



# Evaluating long-term success in grassland restoration: an ecosystem multifunctionality approach

## Journal Article

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**Evaluating long-term success in grassland restoration - an ecosystem multifunctionality approach**

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Organism:	Prokaryotes, Fungi (specify type in field below), Angiosperms < Plants, Nematodes < Aschelminthes < Invertebrates < Animals, Earthworms < Annelids < Invertebrates < Animals, Insects < Arthropods < Invertebrates < Animals
Habitat:	Prairie/Grasslands < Temperate Zone < Terrestrial < Habitat
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Key words/phrases:	Above-belowground properties, biotic-abiotic properties, long-term monitoring, cost efficiency, semi-natural grasslands, nature management techniques
Abstract:	It is generally assumed that restoring biodiversity will enhance diversity and ecosystem functioning. However, to date, it has rarely been evaluated whether and how restoration efforts manage to rebuild biodiversity and multiple ecosystem functions (ecosystem multifunctionality) simultaneously. Here, we quantified how three

	<p>restoration methods of increasing intervention intensity (harvest only &lt; topsoil removal &lt; topsoil removal + propagule addition) affected grassland ecosystem multifunctionality 22 years after the restoration event. We compared restored with intensively managed and targeted semi-natural grasslands based on 13 biotic and abiotic, above- and belowground properties. We found that all three restoration methods improved ecosystem multifunctionality compared to intensively managed grasslands and developed towards the targeted semi-natural grasslands. However, whereas higher levels of intervention intensity reached ecosystem multifunctionality of targeted semi-natural grasslands after 22 years, lower intervention missed this target. Moreover, we found that topsoil removal with and without seed addition accelerated the recovery of biotic and aboveground properties, and we found no negative long-term effects on abiotic or belowground properties despite removing the top layer of the soil. We also evaluated which ecosystem properties were the best indicators for restoration success in terms of accuracy and cost efficiency. Overall, we demonstrated that low-cost measures explained relatively more variation of ecosystem multifunctionality compared to high-cost measures. Plant species richness was the most accurate individual property in describing ecosystem multifunctionality, as it accounted for 53% of ecosystem multifunctionality at only 4% of the costs of our comprehensive multifunctionality approach. Plant species richness is the property that typically is used in restoration monitoring by conservation agencies. Vegetation structure, soil carbon storage and water holding capacity together explained 70% of ecosystem multifunctionality at only twice the costs (8%) of plant species richness, which is, in our opinion, worth considering in future restoration monitoring projects. Hence, our findings provide a guideline for land managers how they could obtain an accurate estimate of aboveground-belowground ecosystem multifunctionality and restoration success in a highly cost-efficient way.</p>

1 Running head: Restoring grassland multifunctionality

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3 **Evaluating long-term success in grassland restoration - an ecosystem multifunctionality approach**

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## 20 **ABSTRACT**

21 It is generally assumed that restoring biodiversity will enhance diversity and ecosystem functioning.  
22 However, to date, it has rarely been evaluated whether and how restoration efforts manage to rebuild  
23 biodiversity and multiple ecosystem functions (ecosystem multifunctionality) simultaneously. Here, we  
24 quantified how three restoration methods of increasing intervention intensity (harvest only < topsoil  
25 removal < topsoil removal + propagule addition) affected grassland ecosystem multifunctionality 22 years  
26 after the restoration event. We compared restored with intensively managed and targeted semi-natural  
27 grasslands based on 13 biotic and abiotic, above- and belowground properties. We found that all three  
28 restoration methods improved ecosystem multifunctionality compared to intensively managed grasslands  
29 and developed towards the targeted semi-natural grasslands. However, whereas higher levels of  
30 intervention intensity reached ecosystem multifunctionality of targeted semi-natural grasslands after 22  
31 years, lower intervention missed this target. Moreover, we found that topsoil removal with and without  
32 seed addition accelerated the recovery of biotic and aboveground properties, and we found no negative  
33 long-term effects on abiotic or belowground properties despite removing the top layer of the soil. We also  
34 evaluated which ecosystem properties were the best indicators for restoration success in terms of accuracy  
35 and cost efficiency. Overall, we demonstrated that low-cost measures explained relatively more variation  
36 of ecosystem multifunctionality compared to high-cost measures. Plant species richness was the most  
37 accurate individual property in describing ecosystem multifunctionality, as it accounted for 53% of  
38 ecosystem multifunctionality at only 4% of the costs of our comprehensive multifunctionality approach.  
39 Plant species richness is the property that typically is used in restoration monitoring by conservation  
40 agencies. Vegetation structure, soil carbon storage and water holding capacity together explained 70% of  
41 ecosystem multifunctionality at only twice the costs (8%) of plant species richness, which is, in our  
42 opinion, worth considering in future restoration monitoring projects. Hence, our findings provide a  
43 guideline for land managers how they could obtain an accurate estimate of aboveground-belowground  
44 ecosystem multifunctionality and restoration success in a highly cost-efficient way.

45 **KEYWORDS**

46 Above-belowground properties, biotic-abiotic properties, long-term monitoring, cost efficiency, semi-  
47 natural grasslands, nature management techniques

For Review Only

## 48 INTRODUCTION

49 Semi-natural grasslands are an integral part of the Western and Central European cultural landscape  
50 and result from traditional farming over centuries (Van Dijk 1991, Poschlod and Wallis De Vries 2002,  
51 Bobbink et al. 2011). These grasslands are among the most species-rich ecosystems and represent  
52 biodiversity hotspots that harbor specialized plant and animal communities with high numbers of rare and  
53 endangered species (Dengler et al. 2014). Semi-natural grasslands are characterized by low productivity  
54 and high structural heterogeneity with a diverse mosaic of ecological niches and microhabitats (Diacon-  
55 Bolli et al. 2012). They are found on oligo- to mesotrophic soils that are sensitive to eutrophication  
56 (Bobbink et al. 1998, Bobbink et al. 2011). Maintaining these grasslands requires low-input agricultural  
57 management to prevent accumulation of soil nutrients and to impede reforestation (Poschlod and Wallis  
58 De Vries 2002). Semi-natural grasslands also provide numerous ecosystem functions and services. For  
59 example, by supporting high abundance and diversity of invertebrates, they may provide pollination and  
60 pest control services for surrounding agricultural areas (Byrne and delBarco-Trillo 2019). They can be  
61 important for soil and water protection against pollution (Peciña et al. 2019) and may act as hydrological  
62 buffers (Gimmi et al. 2011). Semi-natural grasslands were also found to mitigate droughts or floods and  
63 reduce carbon dioxide emissions due to their enhanced carbon storage capacities compared to arable land  
64 (Peciña et al. 2019). However, semi-natural grasslands are under multiple pressures.

65 Since the late 19<sup>th</sup> century, semi-natural grasslands have been drastically reduced in their extent and  
66 connectivity (Wallis De Vries et al. 2002) as their low productivity made them prime for conversion into  
67 more profitable high-input agricultural land, or on the contrary, for complete abandonment (Quétier et al.  
68 2007, Török and Dengler 2018). In Switzerland, for example, 95% of semi-natural grasslands were lost  
69 during the course of the past century (Lachat et al. 2010). As a consequence, efforts to protect the  
70 remaining areas were greatly enhanced, but their ongoing loss could not be stopped (Gattlen et al. 2017).  
71 Today, these grasslands represent species-rich islands in a landscape dominated by intensive agriculture.  
72 It became evident that sustainable conservation has to integrate restoration to actively extend and re-

73 connect these fragmented remnants and to re-enable metapopulation dynamics and genetic exchange of  
74 biotic communities among the isolated patches (Lachat et al. 2010). Hence, converting adjacent  
75 intensively managed grasslands into semi-natural grasslands became the focus of restoration projects  
76 (Kiehl et al. 2010, Kardol and Wardle 2010). Intensively managed grassland generally represents a highly  
77 eutrophic and homogenized habitat, dominated by only a few competitive generalist species while habitat  
78 specialists are scarce (De Deyn et al. 2003, Kardol and Wardle 2010). Thus, successful conversion of  
79 such intensively managed grasslands into nutrient poor and species rich communities relies on  
80 overcoming their agricultural legacy, which is preserved in overabundant soil nutrients as well as poor  
81 species and propagule availability (Bakker and Berendse 1999, McLauchlan 2006, Brinkman et al. 2017).

82 Various restoration strategies have been tested over the past decades. They affect above- and  
83 belowground, biotic and abiotic properties differently depending on their intervention intensity (e.g.,  
84 Marrs et al. 1998, Kiehl and Pfadenhauer 2007, Kardol et al. 2008, Frouz et al. 2009, Suding 2011). Mild  
85 interventions, such as cessation of fertilization and multiple plant biomass harvests, have been rarely  
86 successful in lowering the high availability of soil nutrients and re-establishing targeted plant  
87 communities. Conversely, more severe interventions, such as topsoil removal with and without seed  
88 addition, were found to be highly successful in restoring oligotrophic grassland ecosystems (see review in  
89 Kiehl et al. 2010). However, removal of the nutrient-rich topsoil, typically a layer of 20 to 50 cm,  
90 substantially affects belowground biota and abiotic soil conditions, and is therefore viewed rather  
91 critically (see Geissen et al. 2013).

92 Yet, to evaluate restoration success, usually only a few aboveground biotic properties, typically plant  
93 community composition, sometimes the presence/absence of selected insect species or taxa (e.g.,  
94 grasshoppers, beetles) are used (e.g., Patzelt et al. 2001, Kardol et al. 2005, Kiehl & Wagner 2006, Kiehl  
95 & Pfadenhauer 2007, Klimkowska et al. 2007, Verhagen et al. 2008, Neff et al. 2020). More exhaustive  
96 evaluations are lacking and only few studies assessed belowground community composition and soil  
97 properties to determine restoration success (e.g., Kardol et al. 2009b, Frouz et al. 2009, Wubs et al. 2016,  
98 Resch et al. 2019). As restoration methods should enhance and re-establish biodiversity and ecosystem



99 functioning both above- and belowground, success should be evaluated based on a comprehensive  
100 assessment of biotic and abiotic, above- and belowground properties, such as taxonomic and structural  
101 diversity, and soil functions and processes (Havlicek 2012, Greiner et al. 2018, Gann et al. 2019). Thus, a  
102 multifunctional approach could be highly suitable to validate successful re-establishment of the targeted  
103 species or ecosystem properties and functions over time (see review in Manning et al. 2018, but also see  
104 Meyer et al. 2015, Costantini et al. 2016).

105 In the present study, we assessed how three restoration methods of different intervention intensities,  
106 i.e., *Harvest only* (biomass removal), *Topsoil* (topsoil removal), and *Topsoil+Propagules* (topsoil  
107 removal plus addition of target plant species), succeeded in restoring ecosystem multifunctionality. We  
108 included 13 properties, namely aboveground arthropod richness, belowground faunal and microbial taxon  
109 richness, plant species richness, vegetation structure, above- and belowground functional diversity and  
110 food-web complexity, soil heterogeneity, soil carbon (C) storage, water holding capacity, nutrient  
111 retention capacity and soil net nitrogen (N) mineralization in our ecosystem multifunctionality metric.  
112 Restoration success was compared to both intensively managed grasslands (*Initial* state) and ancient  
113 semi-natural grasslands (*Target* state). The evaluation took place 22 years after restoration methods were  
114 implemented. To our knowledge, this is the first long-term study that combined aboveground and  
115 belowground ecosystem multifunctionality to evaluate the recovery of targeted ecosystem properties after  
116 grassland restoration. As measuring and assessing various ecosystem properties is cost-intensive, we  
117 conducted a “cost-benefit analysis” to determine which and how many ecosystem properties are needed to  
118 define ecosystem multifunctionality in restored grasslands as accurately as possible, but at affordable  
119 costs (effort, infrastructure, expert knowledge). This analysis should help environmental agencies that  
120 supervise restoration programs in their decision-making process. Overall, we aimed to answer the  
121 following research questions:

- 122 1. Does multifunctionality differ between intensively managed and semi-natural grasslands?
- 123 2. Are the different restoration methods successful in restoring grassland multifunctionality?

- 124 3. How much do biotic and abiotic, above- and belowground properties contribute to ecosystem  
125 multifunctionality?
- 126 4. Which ecosystem properties are the best indicators to accurately describe multifunctionality in  
127 restored grasslands in a cost-effective way?

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## 128 MATERIAL AND METHODS

### 129 Study area

130 The study was conducted in the Canton of Zurich, Switzerland, in and around two nature reserves  
131 *Eigentäl* and *Altläufe der Glatt* (47°27' to 47°29' N, 8°37' to 8°32' E, 417 to 572 m a.s.l.). All studied  
132 grasslands were located with a radius of approximately 4 km. Average monthly temperatures range from  
133  $0.7 \pm 2.0$  °C (January) to  $19.0 \pm 1.5$  °C (July), and monthly precipitation range from  $60 \pm 42$  mm  
134 (January) to  $118 \pm 46$  mm (July [maxima]; 1989-2017; MeteoSchweiz 2018). The two nature reserves  
135 contain small-scale grassland mosaics differing in their nutrient and water availability. In our study, we  
136 focused on semi-dry and semi-wet oligo- to mesotrophic grasslands characterized by high plant species  
137 richness and groundwater fluctuations throughout the year (Delarze et al. 2015, see also Resch et al.  
138 2019).

139

### 140 Experimental design and sampling

141 A large-scale restoration experiment to expand and reconnect isolated remnants of species-rich  
142 grasslands was initiated in the nature reserve *Eigentäl* in 1990. Twenty hectares of adjacent intensive  
143 grasslands were chosen for restoration. In 1995, three restoration methods of increasing intervention  
144 intensities were implemented. The goal of all three methods was to lower the availability of soil nutrients  
145 and hence, facilitate ecosystem development towards the targeted nutrient-poor grasslands. These  
146 methods were: *Harvest only* (hay harvest twice a year), *Topsoil* (removal of the nutrient-rich topsoil), and  
147 *Topsoil+Propagules* (topsoil removal combined with the application of hay from target vegetation;  
148 further details see Resch et al. 2019). Plant biomass harvest (once a year in late summer/early autumn)  
149 commenced in *Topsoil* and *Topsoil+Propagules* five years after the soils were removed and is still  
150 ongoing today (see Appendix 1: Table S1). We measured restoration success by comparing the three  
151 restoration methods with intensively managed (*Initial*) and semi-natural grasslands (*Target*) 22 years after  
152 restoration. *Initial* grassland sites share the same agricultural history as the restored sites: mowing and

153 subsequent fertilizing (manure) up to five times a year, as well as different tillage regimes (see Appendix  
154 S1: Table S1; Resch et al. 2019). *Target* sites were the sites from which hay for seeding the  
155 *Topsoil+Propagules* sites was collected. Soil conditions (i.e., soil types, soil texture) were comparable to  
156 those found in the restored grasslands (see Appendix S1: Table S1; Resch et al. 2019). Additionally,  
157 *Target* sites were selected to represent a variety of semi-natural grasslands, including semi-dry to semi-  
158 wet conditions. In *Target* grasslands, biomass is harvested once a year in late summer or early autumn.  
159 Eleven 5 m x 5 m (25 m<sup>2</sup>) plots were randomly established in each of the five treatments (in total 55 plots;  
160 for a detailed map see Neff et al. 2020). An additional 2 m x 2 m (4 m<sup>2</sup>) subplot was randomly established  
161 at least 2 m away from each 25 m<sup>2</sup> plot for destructive sampling (see details below). Data sampling took  
162 place between June and September 2017.

163

#### 164 *Vegetation properties*

165 All plant species were identified within the 25 m<sup>2</sup> plots (nomenclature: Lauber and Wagner 1996) in  
166 mid-June 2017 (in total 250 species). Vegetation structure and plant biomass were assessed diagonally on  
167 a transect of 2 m x 10 cm within the 25 m<sup>2</sup> plot in early July 2017. We measured the maximum and mean  
168 height of the vegetation at the start, middle and end of the transect and calculated the standard deviation  
169 of these measures to describe vegetation structural heterogeneity (Schuldt et al. 2019). Thereafter,  
170 biomass was clipped on the entire transect to 1 cm height, sorted into five functional groups (graminoids,  
171 forbs, legumes, litter, and woody species; Data repository: <https://doi.org/10.16904/envidat.169>), dried at  
172 60 °C for 48 h, and weighed (Meyer et al. 2015).

173

#### 174 *Aboveground arthropods*

175 Aboveground arthropods were sampled at two locations in each 25 m<sup>2</sup> plot in early July 2017 (see also  
176 Neff et al. 2020). Briefly, two cylindrical baskets (50 cm diameter, 67 cm height; woven fabric) were  
177 thrown simultaneously from outside the plot into two opposite corners. A closable mosquito mesh sleeve  
178 was mounted to the top of the baskets and an integrated metal ring at the bottom was fixed to the ground

179 with metal stakes to assure that insects could not escape. A suction sampler (Vortis, Burkhard  
180 Manufacturing Co. Ltd., Hertfordshire, England) was then inserted into one of the baskets through the  
181 opening of the sleeve and the plot was "vacuumed" twice for 105 seconds with a 30 seconds break. The  
182 collected animals were immediately transferred into 70% ethanol. Arthropods were sorted and assigned to  
183 23 taxonomic groups (Appendix S1: Table S3; Data repository: <https://doi.org/10.16904/envidat.169>).  
184 Holometabolic larvae were lumped into one category while hemimetabolic larvae were grouped  
185 separately from adults in the respective taxonomic rank. We used mean values of individuals per plot for  
186 total abundance. Aboveground arthropod richness was defined by the number of different taxa to lowest  
187 taxonomic level (in total 23 taxa). All taxa were assigned to one of five trophic levels: 1) primary  
188 producers, 2) primary consumers, 3) secondary consumers, 4) tertiary consumers, and 5) quaternary  
189 consumers (Appendix S1: Table S3).

190

#### 191 *Belowground fauna*

192 Sampling of all belowground fauna took place in mid-July 2017. Earthworms were sampled in two 30  
193 cm x 30 cm x 20 cm soil monoliths at two opposite corners of the 25 m<sup>2</sup> plot (opposite to aboveground  
194 arthropod sampling). The excavated soil monolith was broken by hand, all earthworms collected and  
195 immediately transferred in a 4% formaldehyde solution. Thereafter, earthworm individuals were  
196 identified to species level (in total 10 taxa; Christian and Zicsi 1999) and species assigned to three  
197 functional groups (Appendix 1: Table S3; Data repository: <https://doi.org/10.16904/envidat.169>; Bouché  
198 1977).

199 To assess soil arthropod communities, we randomly collected one undisturbed soil core (5 cm  
200 diameter, 12 cm depth) in each 4 m<sup>2</sup> subplot with a slide hammer corer lined with a plastic sleeve (AMS  
201 Samplers, American Falls, Idaho, USA). Soil arthropods were extracted using Berlese-Tullgren funnels (3  
202 mm mesh), starting the day of sampling and lasting 14 days. Individuals were stored in 70% ethanol. Soil  
203 arthropods were assigned to 41 taxonomic groups and 4 feeding types (Appendix 1: Table S3; Data  
204 repository: <https://doi.org/10.16904/envidat.169>). Holometabolic and hemimetabolic larvae were treated

205 as previously described for aboveground arthropods. Belowground arthropod richness refers to the 41  
206 taxonomic groups.

207 For soil nematode sampling, we randomly collected eight soil cores of 2.2 cm diameter (Giddings  
208 Machine Company, Windsor, CO, USA) within each 4 m<sup>2</sup> subplot to a depth of 12 cm. The eight cores  
209 were combined, gently homogenized, placed in coolers, kept at 4 °C and transported to the laboratory at  
210 NIOO in Wageningen (NL) within one week after collection. Free-living nematodes were extracted from  
211 200 g of fresh soil using Oostenbrink elutriator (Oostenbrink 1960) and prepared for morphological  
212 identification and quantification as described by Resch et al. (2019). Nematodes were identified to family  
213 level (39 taxa) according to Bongers (1988), assigned to 17 functional groups, 5 feeding types and 5  
214 colonizer-persister (C-P) classes (Appendix 1: Table S3; Data repository:  
215 <https://doi.org/10.16904/envidat.169>; Yeates et al. 1993, Bongers 1990, Resch et al. 2019).

216 We randomly collected two more soil cores (2.2 cm diameter x 12 cm depth) within each 4 m<sup>2</sup> subplot  
217 to determine soil microbial communities. Again, the soil cores were combined, homogenized, placed in  
218 coolers and transported to the laboratory at WSL in Birmensdorf (Switzerland) where the metagenomic  
219 DNA was extracted from 8 g sieved soil (2 mm) using the DNeasy PowerMax Soil Kit (Quiagen, Hilden,  
220 NRW, GER) according to the manufacturer's instructions. PCR amplification of the V3-V4 region of the  
221 prokaryotic small-subunit (16S) and the ribosomal internal transcribed spacer region (ITS2) of eukaryotes  
222 was performed with 1 ng of template DNA utilizing PCR primers and conditions as previously described  
223 (Frey et al., 2016). PCRs were run in triplicates and pooled. The pooled amplicons were sent to the  
224 Genome Quebec Innovation Centre (Montreal, QC, Canada) for barcoding using the Fluidigm Access  
225 Array technology (Fluidigm) and paired-end sequencing on the Illumina MiSeq v3 platform (Illumina  
226 Inc., San Diego, CA, USA). Quality filtering, clustering into operational taxonomic units (OTUs) and  
227 taxonomic assignment were performed as described by Frey et al. (2016) and Adamczyk et al. (2019). We  
228 used a customised pipeline largely based on UPARSE (Edgar 2013) implemented in USEARCH v. 9.2  
229 (Edgar 2010). After discarding singletons of dereplicated sequences, clustering into OTUs with 97%  
230 sequence similarity was performed (Edgar 2013). Quality-filtered reads were mapped on the filtered set of

231 centroid sequences. Taxonomic classification of prokaryotic and fungal sequences was conducted  
232 querying against most recent versions of SILVA (v.132, Quast et al. 2013) and UNITE (v.8, Nilsson et al.  
233 2018). Only taxonomic assignments with confidence rankings equal or higher than 0.8 were accepted  
234 (assignments below 0.8 set to unclassified). Prokaryotic OTUs assigned to mitochondria or chloroplasts  
235 as well as eukaryotic OTUs assigned other than fungi were removed prior to data analysis. In addition,  
236 prokaryotic and fungal datasets were filtered to discard singletons and doubletons. Thereafter, OTU  
237 abundance matrices were rarefied to the lowest number of sequences per community, to normalize the  
238 total number of reads and achieve parity between samples (Prokaryota: 29,843 reads; Fungi: 26,690  
239 reads). Finally, prokaryotic and fungal observed richness (number of OTUs) were estimated (Prokaryota:  
240 14,010 OTUs; Fungi: 5,813 OTUs). For prokaryotes, we distinguished five and for fungi six functional  
241 types based on lowest taxonomic resolution (Appendix 1: Table S3; Data repository:  
242 <https://doi.org/10.16904/envidat.169>; Nguyen et al. 2016, Tedersoo et al. 2014). Belowground taxon  
243 richness was defined by the total number of earthworm, arthropod, nematode, fungi, and prokaryote taxa  
244 assigned to lowest taxonomic level. Finally, all belowground taxa were assigned to the same five trophic  
245 levels as the aboveground arthropods (Appendix 1: Table S3; Data repository:  
246 <https://doi.org/10.16904/envidat.169>).

247

#### 248 *Soil chemical and physical properties, soil nitrogen mineralization*

249 We randomly collected three 5 cm diameter x 12 cm depth soil samples in each 4 m<sup>2</sup> subplot with a  
250 slide hammer corer (AMS Samplers, American Falls, Idaho, USA), pooled them and then made two  
251 subsamples. One was field-fresh and stored at 3 °C until analysis, the other was dried for 48 h at 60 °C  
252 and passed through a 4 mm mesh. From the dried sample, we measured soil pH potentiometrically in 0.01  
253 M CaCl<sub>2</sub> (soil:solution ratio=1:2; 30 minutes equilibration time). Total and organic carbon content were  
254 measured on fine-ground samples (≤ 0.5 mm) by dry combustion using a CN analyzer NC 2500 (CE  
255 Instruments, Wigan, United Kingdom). Inorganic carbon of samples with a pH > 6.5 was removed with  
256 acid vapor prior to analysis of organic carbon (Walther et al. 2010). We calculated total soil carbon (C)

257 storage after correcting its content for soil depth, stone content and density of fine earth (see below).  
258 Exchangeable cations were determined on another 5 g dry soil sample with 50 mL unbuffered 1 M  $\text{NH}_4\text{Cl}$   
259 solution (soil:solution ratio=1:10, end-over-end shaker for 1.5 hours) and measured by an ICP-OES  
260 (Optima 7300 DV, Perkin-Elmer, Waltham, Massachusetts, USA). Thereafter, cation exchange capacity  
261 (CEC) was calculated as the sum of exchangeable cations and protons (and expressed as  $\text{mmol}_c$  per 1 kg  
262 soil) and used to describe nutrient retention capacity in our plots. Concentrations of exchangeable protons  
263 were calculated as the difference between total and Al-induced exchangeable acidity as determined by the  
264 KCl-method (Thomas 1982).

265 Ammonium ( $\text{NH}_4^+$ ) and nitrate ( $\text{NO}_3^-$ ) were extracted from a 20 g fresh subsample with 80 mL 1M  
266 KCl for 1.5 hours on an end-over-end shaker and filtered through ashless folded filter paper (DF 5895  
267 150, ALBET LabScience, Hahnemühle FineArt GmbH, Dassel, Germany).  $\text{NH}_4^+$  concentrations were  
268 determined colorimetrically by automated flow injection analysis (FIAS 300, Perkin-Elmer, Waltham,  
269 Massachusetts, USA).  $\text{NO}_3^-$  concentrations were measured colorimetrically according to Norman and  
270 Stucki (1981). Potential soil net nitrogen (N) mineralization was assessed during an 8-week incubation  
271 period under controlled moisture (60% of field capacity, see below), temperature (20 °C) and light  
272 conditions (dark) in the laboratory. We weighed duplicate samples of fresh soil equivalent to 8 g dry soil  
273 (24 h at 104 °C) into 50 mL Falcon tubes. Soil samples were extracted for  $\text{NH}_4^+$  and  $\text{NO}_3^-$  at the  
274 beginning and after eight weeks as described above. Soil net N mineralization was calculated as the  
275 difference between the inorganic nitrogen ( $\text{NH}_4^+$  and  $\text{NO}_3^-$ ) before and after the incubation (Hart et al.  
276 1994), corrected for the total incubation time and represented per day values expressed as  $\text{mg N kg}^{-1}$  soil  
277  $\text{d}^{-1}$ .

278 To assess soil physical properties, we randomly collected one undisturbed soil core per 4  $\text{m}^2$  subplot (5  
279 cm diameter, 12 cm depth) in a steel cylinder that fit into the slide hammer (AMS Samplers, American  
280 Falls, Idaho, USA). The cylinder was capped in the field to avoid disturbance. We then measured field  
281 capacity in the laboratory. For this purpose, the cylinder and soil therein were saturated in a water bath  
282 and drained on a sand/silt-bed with a suction corresponding to 60 cm hydrostatic head. The moist soil was



283 dried at 105 °C to constant weight. Field capacity was calculated by dividing the mass of water by the  
284 total mass of wet soil contained at 60 cm hydrostatic head and used to describe water holding capacity.  
285 Thereafter, samples were passed through a 4 mm mesh. Fine-earth and skeleton fractions were weighed  
286 separately to assess bulk soil density (fine-earth plus skeleton), density of fine earth, and proportion of  
287 skeleton. Particle density was determined with the pycnometer method (Blake and Hartge 1986), and total  
288 porosity and proportion of fine pores were calculated (Danielson and Sutherland 1986). Clay, silt, and  
289 sand contents were quantified with the sediment method (Gee and Bauder 1986).

290 Surface and soil temperature (12 cm depth, water-resistant digital pocket thermometer; IP65, H-B  
291 Instrument, Trappe, Pennsylvania, USA) as well as volumetric soil moisture content (12 cm depth, time  
292 domain reflectometry; Field-Scout TDR 300, Spectrum Technologies, Aurora, Illinois, USA) were  
293 measured at five random locations within the 4 m<sup>2</sup> subplots every month from June to September. We  
294 calculated the standard deviation of each temperature and moisture measure over four months to describe  
295 seasonal variations. Slope inclination was determined at plot-level via GPS measurements (GPS 1200,  
296 Leica Geosystem, Heerbrugg, Switzerland) and categorized into slope gradient classes according to FAO  
297 standards (1990). Thickness of the topsoil horizon (equivalent to Ah or Aa horizon) was determined at  
298 one soil monolith (30 x 30 x 30 cm<sup>3</sup>) per 4 m<sup>2</sup> subplot in cm and rounded to next integer.

### 300 **Ecosystem properties and multifunctionality (Research question 1 - 3)**

301 In total, we used 13 ecosystem properties that represented four major ecosystem attributes, namely  
302 biodiversity (plant species richness, aboveground arthropod richness, belowground taxon richness),  
303 structural diversity (vegetation structure, soil heterogeneity, above- and belowground functional diversity,  
304 above- and belowground food-web complexity), soil functions (soil C storage, water holding capacity,  
305 nutrient retention capacity), and soil processes (soil net N mineralization, Appendix S1: Table S2).

306 Selection of the 13 properties was based on suggested international principles and standards on  
307 ecological restoration of the Society for Ecological Restoration (SER), and thus, included standardized  
308 indicators of restoration success (McDonald et al. 2016, Gann et al. 2019). We used individual properties

309 that were shown to increase ecosystem functioning and invasion resistance, i.e. ecosystem stability, two  
310 major goals in ecological restoration (details on rationales see Appendix S1: Table S2). Thus, we assumed  
311 that restoring these properties and increasing their values is mandatory to meet the primary objective of a  
312 restoration project, namely restoring high levels of ecosystem functioning and strengthening of ecosystem  
313 stability (Gann et al. 2019).

314 Soil heterogeneity was calculated based on 20 soil properties (soil pH, organic C content,  $\text{NO}_3^-$  and  
315  $\text{NH}_4^+$  concentrations, concentrations of exchangeable cations [Ca, K, Mg, Na, Mn], bulk density, texture,  
316 proportion of skeleton and fine pores, thickness of topsoil horizon, slope class, seasonal variation in  
317 surface and soil temperature as well as soil moisture). We z-transformed the 20 properties and then  
318 calculated multivariate Euclidean distances for all pairwise between- and within-group combinations for  
319 each treatment. We then used differences in group homogeneities based on group dispersion variances,  
320 i.e., distance of single plot to its corresponding group centroid to obtain soil heterogeneity (betadisper  
321 function of the vegan package, Oksanen et al. 2019, Alsterberg et al. 2017).

322 We calculated functional diversity for plants using shoot biomass of plant functional groups and for  
323 faunal and microbial communities by assigning all taxonomic levels to functional groups. In total, 46  
324 functional groups were defined based on lowest taxonomic resolution for each biotic community (see  
325 Appendix S1: Table S3; Data repository: <https://doi.org/10.16904/envidat.169>). We calculated  
326 multivariate Euclidean distances on z-transformed functional groups (relative abundances) for all pairwise  
327 combinations of treatments and defined functional diversity above- and belowground using differences in  
328 group homogeneities based on group dispersion variances.

329 Food-web complexity for faunal and microbial functional groups was based on life-history traits. For  
330 each functional group we assigned: 1) feeding type, 2) trophic level, and 3) sensitivity to stress and/or  
331 disturbance and recolonization ability (SD level), based on well-established bioindicative methods  
332 (Bongers 1990, Parisi et al. 2005). For this study, we extended these methods to also address aboveground  
333 arthropods, earthworms, prokaryotes and fungi. The ecomorphological index concept of soil  
334 microarthropods (Parisi et al. 2005) was adopted for aboveground arthropods. For earthworms, we ranked

335 the sensitivity according to the r- and K-strategy (Römbke et al. 2005): sensitivity was ranked lowest for  
336 epigeic species (one), followed by endogeic (five) and highest for anecic species (nine). The prokaryotic  
337 community was classified based on copiotrophic-oligotrophic characteristic (for a review see Ho et al.  
338 2017): copiotrophic and undefined bacteria received lowest (one), oligotrophic bacteria highest (nine)  
339 rank. The fungal community was ranked based on the copiotrophic-oligotrophic concept only if known  
340 (for a review also see Ho et al. 2017): copiotrophic saprotrophs, pathotrophs (excluding animal) and  
341 undefined fungi were ranked lowest (one); symbiotrophs, biotrophs, animal pathogens and oligotrophic  
342 saprotrophs received highest ranking (nine); saprotrophs (excluding oligo- or copiotrophs) and others  
343 received an intermediate ranking (five). We then defined the trait-based factor as follows: 1) the digit  
344 before the comma was defined by the feeding type and trophic level (ranging from one to five), 2) the  
345 digit after the comma corresponded to stress/disturbance sensitivity and recolonization ability (ranging  
346 from 1 to 9). Higher values of the trait-based factor indicated higher food-web complexity (see Appendix  
347 S1: Table S3). We calculated weighted abundance per functional group by multiplying relative abundance  
348 per functional group with its corresponding trait-based factor. Thereafter, food-web complexity was  
349 defined as the standardized community weighted mean for the above- and belowground communities  
350 separately.

351 We calculated five different multifunctionality measures using the averaging approach (Hooper and  
352 Vitousek 1998). Ecosystem multifunctionality included all 13 ecosystem properties. We also calculated  
353 aboveground multifunctionality (plant richness and vegetation structure, aboveground arthropod richness,  
354 functional diversity, food-web complexity), belowground multifunctionality (belowground taxon  
355 richness, functional diversity, food-web complexity, soil heterogeneity, soil C storage, water holding  
356 capacity, nutrient retention capacity, soil net N mineralization), biotic multifunctionality (aboveground  
357 arthropod richness, belowground taxon richness, plant richness, vegetation structure, above- and  
358 belowground functional diversity, food-web complexity), and abiotic multifunctionality (soil  
359 heterogeneity, soil C storage, water holding capacity, nutrient retention capacity and soil net N  
360 mineralization). We did not use the threshold approach (Gamfeldt et al. 2008) as we were not interested in

361 assessing the number of properties performing above a certain threshold, but comparing levels of  
362 multifunctionality in restored systems with those of our targeted semi-natural grasslands. The availability  
363 of a real-world target rather than any arbitrarily chosen threshold justifies the use of the averaging  
364 approach (Byrnes et al. 2014, Gamfeldt and Roger 2017).

365 All five multifunctionality measures were calculated after standardizing each ecosystem property  
366 (Delgado-Baquerizo et al. 2019). For belowground taxon richness, functional diversity and food-web  
367 complexity, standardization was applied within each faunal and microbial group before averaging to  
368 counteract overrepresentation of microbial taxa. All ecosystem properties were weighted equally for  
369 multifunctionality calculations. Potential collinearity between all pairs of individual ecosystem properties  
370 was assessed using Pearson correlations to ensure that no highly correlated variables ( $r > |0.7|$ ) were  
371 included, and that no opposing performance (i.e., strong negative correlations) among the individual  
372 ecosystem properties was present (Dormann et al. 2013; Appendix S1: Fig. S1).

373 Treatment differences (explanatory variable) in multifunctionality measures and the 13 ecosystem  
374 properties (dependent variables) were assessed using beta regression on standardized values (Ferrari and  
375 Cribari-Neto 2004). As beta regression models do only allow for values between 0 and 1 but not both  
376 extremes (relevant only for individual properties), we transformed our data accordingly (Smithson and  
377 Verkuilen 2006). Significant differences between treatments were identified using likelihood ratio tests  
378 (lrtest function of the lmtest R package, Zeileis and Hothorn 2002). Post-hoc pairwise comparisons were  
379 adjusted for multiple testing using the Bonferroni correction-method in combination with the false  
380 discovery rate approach (cld function of the multcomp R package, Hothorn et al. 2008).

381

#### 382 **Most cost-effective ways to describe multifunctionality (Research question 4)**

383 We assessed which ecosystem property or which combination of ecosystem properties explained the  
384 highest amount of ecosystem multifunctionality at the lowest possible costs. For this purpose we  
385 calculated 8190 alternative models using linear regression as implemented in an exhaustive search  
386 approach (regsubsets function of the leaps R package, Lumley 2020). These models contained all possible

387 combinations of 13 ecosystem properties, hence we obtained a series of models that included 12  
388 properties (all in EMF.12), a series of models that included 11 properties (EMF.11) and so forth  
389 (Appendix S2). In a first step, we compared how much variation of ecosystem multifunctionality each of  
390 these alternative models explained, using the Bayesian information criterion ( $\Delta\text{BIC} > 2$ , Table 1,  
391 Kassambra 2018). We then selected the best models with 12, 11, 10, etc. variables.

392 We estimated costs to each ecosystem property by approximating costs for effort, infrastructure and  
393 expert knowledge that are necessary to collect each of our 13 ecosystem properties (Appendix S1: Table  
394 S4-S7). Costs were classified into coarse categories, represented by pluses (+) and where higher costs  
395 equated to more +. We then assigned these costs to each alternative model described above by summing  
396 the costs of all ecosystem properties included in the respective models (Appendix S2). We selected the  
397 models with 12, 11, 10, etc. variables with the lowest costs (Table 2). Thus, we were able to evaluate how  
398 much an alternative model explained and how much it would roughly cost to collect the data contained in  
399 it.

400 All statistical analyses and graphical outputs were performed in R version 3.6.0 (R Core Team 2019).  
401 A full list of all packages used can be found in Appendix S1: Table S8.

## 402 RESULTS

403 Ecosystem multifunctionality was higher in all three restored treatments than in *Initial*, but only  
404 *Topsoil* and *Topsoil+Propagules* reached *Target* levels (Fig. 1A). Treatment differences in ecosystem  
405 multifunctionality were mainly associated to differences in aboveground (Fig. 1B) and biotic (Fig. 1D)  
406 multifunctionality, with the two topsoil removal treatments reaching higher levels than *Harvest only*.  
407 Interestingly, the two topsoil removal treatments resulted in even higher aboveground and biotic  
408 multifunctionality than *Target* (Fig. 1B, 1D). Belowground (Fig. 1C) as well as abiotic (Fig. 1E)  
409 multifunctionality did not differ among the three restoration methods, but were significantly higher than  
410 in *Initial* and significantly lower than in *Target* (exception: belowground multifunctionality in *Topsoil*).  
411 Aboveground, belowground, biotic and abiotic multifunctionality were positively correlated with  
412 ecosystem multifunctionality (Appendix S1: Figs. S2A-D).

413 Six out of the 13 ecosystem properties contributed significantly to both explaining ecosystem  
414 multifunctionality and discriminating among the five treatments: Plant species richness, vegetation  
415 structure, belowground functional diversity, aboveground food-web complexity, soil C storage, and soil  
416 net N mineralization (Fig. 2, Table 1).

417 Including more variables into our model explained more variation in ecosystem multifunctionality.  
418 Yet, naturally, this also increases the costs of collecting the data. The model including all 13 ecosystem  
419 properties equals 100% ecosystem multifunctionality and would cost the most (77+). Interestingly, we  
420 found negative relationships between explained variation in ecosystem multifunctionality and costs for  
421 each group of models that included the same number of variables (Fig. 3). This means, low-cost measures  
422 explained relatively more variation of ecosystem multifunctionality compared to high-cost measures  
423 within a model cluster (Fig. 3, Table 1 and 2). Models with two or more properties included were able to  
424 explain  $\geq 70\%$  of ecosystem multifunctionality, however, the costs were 10+ and up (Table 2). The  
425 “cheapest” model was based on vegetation structure (1+), but explained only 47.7% of ecosystem  
426 multifunctionality (Table 1). Plant species richness accounted for 52.9% of ecosystem multifunctionality

427 at roughly 4 % (3+) of the cost of the model including all 13 properties (77+) and represented the best  
428 individual indicator of all 13 ecosystem properties (Table 1). Plant species richness, in addition,  
429 discriminated significantly among the treatments (Fig. 2, Table 1).

430 Vegetation structure, soil C storage and water holding capacity together explained 70% of ecosystem  
431 multifunctionality at the costs of roughly 8% (6+) of what it took to obtain all 13 variables. On the  
432 contrary, by using vegetation structure, soil C storage and water holding capacity we increased the costs  
433 by roughly 17% compared to when we only used vegetation structure alone, but we gained 22.3% of  
434 explained variation of ecosystem multifunctionality (Table 1). Hence, this model can be considered the  
435 most cost-effective while describing a high amount of ecosystem multifunctionality (Table 2).

## 436 **DISCUSSION**

### 437 **Restoring grassland multifunctionality**

438 Ecosystem multifunctionality was significantly higher in semi-natural grasslands compared to  
439 intensively managed grasslands (research question 1). This is in line with studies showing that intensive  
440 agriculture decreases multifunctionality by homogenizing plant and faunal communities and soil  
441 properties (e.g., Birkhofer et al. 2012, Gossner et al. 2016, Soliveres et al. 2016), and reducing functional  
442 diversity at local and landscape scales (Allan et al. 2015, Neff et al. 2019). In contrast, traditionally  
443 managed semi-natural grasslands are characterized by high taxonomic and structural heterogeneity above-  
444 and belowground (Lachat et al. 2010, Diacon-Bolli et al. 2012, Byrne and delBarco-Trillo 2019, Peciña et  
445 al. 2019), thereby supporting multiple functions and services simultaneously.

446 For all three restoration methods we found higher ecosystem multifunctionality than in intensively  
447 managed grasslands, but only the two topsoil removal treatments reached *Target* levels within 22 years  
448 (research question 2). Thus, these restoration methods allow rebuilding multifunctionality comparable to  
449 the targeted semi-natural grasslands over decadal time frames, which has already been reported from  
450 peatlands (Strobl et al. 2019). We also provide strong evidence that topsoil removal not only promoted the  
451 restoration of grassland multifunctionality, but also successfully re-established ecosystem  
452 multifunctionality comparable to the targeted semi-natural grasslands. Similar results have been reported  
453 for Mediterranean forests, where the long-term recovery of forest multifunctionality depended on the  
454 intervention intensity of the restoration methods used (natural regeneration vs. active planting, Cruz-  
455 Alonso et al. 2019).

456 We assessed 13 different biotic and abiotic, above- and belowground ecosystem properties that  
457 represented key attributes of the targeted ecosystem. We specifically focused on integrating belowground  
458 ecosystem properties and functions as their recovery during restoration has been suggested essential for  
459 evaluation (see Bardgett et al. 2005, Meyer et al. 2015), especially for restoration methods that strongly  
460 affect the soil, such as topsoil removal. This comprehensive assessment allowed us to also identify the



461 contribution of the different ecosystem components to multifunctionality of restored grasslands (research  
462 question 3). Thereby, we demonstrated that topsoil removal clearly accelerated the recovery of biotic and  
463 aboveground multifunctionality while it had no negative long-term effects on abiotic or belowground  
464 multifunctionality compared to low intervention methods. Topsoil removal even led to a higher biotic  
465 multifunctionality compared to the *Target*, indicating that our measures succeeded in creating species-rich  
466 and functional systems, which are, however, slightly different from our *Target* sites. Furthermore, our  
467 results also revealed that abiotic multifunctionality in all three restoration methods did not reach target  
468 levels, even 22 years after treatment implementation. Thus, the long-term recovery of abiotic soil  
469 properties lags behind aboveground properties. This is in line with short-term studies reporting time lags  
470 in the response of biotic aboveground and belowground communities to changed soil conditions (see  
471 Bardgett et al. 2005, Kardol et al. 2005, 2009a). The apparent failure in recreating soils with an equivalent  
472 level of abiotic multifunctionality compared to target systems, therefore, underlines that protection and  
473 conservation efforts are most urgently needed to minimize degradation and loss of biodiversity and  
474 ecosystem functioning (e.g., United Nations 2015: Sustainable Development Goal 15, Pe'er et al. 2020).

475 Although particular standards for ecological restoration urged the need for comprehensive assessments  
476 (see Gann et al. 2019), long-term multifunctionality studies in grassland ecosystems have so far been  
477 lacking. In addition, studies assessing the long-term recovery of multiple biotic and abiotic belowground  
478 properties after topsoil removal are scarce and primarily focused on individual properties (e.g., Frouz et  
479 al. 2009, Wubs et al. 2016, Resch et al. 2019). Here we show that long-term studies that incorporate  
480 multiple above- and belowground ecosystem components are important as the evaluation of restoration  
481 success strongly depends on the number and identity of the indicators used (e.g., Montoya et al. 2012,  
482 Wortley et al. 2013). Thus, we strongly recommend to integrate biotic and abiotic, above- and  
483 belowground properties in long-term monitoring programs to appropriately represent the entire  
484 ecosystem.

485

486 **Revealing ecosystem multifunctionality in a most cost-efficient way**

487 We used 13 ecosystem properties to calculate ecosystem multifunctionality, which was highly  
488 resource-intensive. Monitoring the success of restoration projects is normally resource-limited, only  
489 allowing for the collection of a restricted set of properties (Montoya et al. 2012, Gann et al. 2019). To  
490 explore which of our 13 properties (alone or in combination) would be best suited to describe ecosystem  
491 multifunctionality with relative high accuracy, but at low costs, we conducted a “cost-benefit analysis”  
492 (research question 4). Plant species richness was found to be the most accurate individual indicator  
493 successfully describing ecosystem multifunctionality (52.9 %), which supports its supremacy as the most  
494 commonly used biotic indicator for conservation agencies conducting such restoration monitoring (Kiehl  
495 et al. 2010). Vegetation structure would be the cheapest individual property, but still described quite a  
496 high amount of ecosystem multifunctionality (47.7 %), hence, could be used instead of plant species  
497 richness if funding is limited or experts are scarce, but long-term restoration monitoring is stipulated by  
498 statutory regulations. However, vegetation structure complemented with two low-cost belowground  
499 properties, i.e. soil C storage and water holding capacity, would allow for a highly cost-effective  
500 monitoring of ecosystem multifunctionality. Such a combination provides land managers or nature  
501 protection agencies with an accurate measure to monitor how ecosystem multifunctionality is restored  
502 over decadal time frames.

## 503 CONCLUSIONS

504 Long-term monitoring of restoration projects is indispensable to implement adaptive management  
505 strategies if necessary and assess restoration success. This is of major importance for industries (e.g.,  
506 mining companies), governments, communities and land managers ultimately responsible for  
507 implementing enforced statutory regulations and the subsequent evaluation of restoration activities in the  
508 long-term. Practical standards to monitor and evaluate restoration have already been proposed.  
509 Nevertheless, long-term studies combining aboveground and belowground ecosystem multifunctionality  
510 assessments to evaluate the recovery of targeted ecosystem properties were lacking. Therefore, the  
511 findings of our study can serve as a guideline to monitor and evaluate long-term grassland restoration,  
512 using a comprehensive, multifunctional approach.

513 In the advent of the United Nations Decade on Ecosystem Restoration (2021-2030) multiple priorities  
514 need to be set to foster the cumulative gains of restoration actions across the globe. Hence, new  
515 restoration initiatives should not only focus on defining which specific types of ecosystems or global  
516 regions should be prioritized for restoration activities, but also on promoting and implementing cost-  
517 efficient properties to accurately assess entire ecosystems and their recovery following restoration. In this  
518 study, we showed that for our grassland systems assessing vegetation structure, soil C storage and water  
519 holding capacity allows for a highly cost-effective long-term monitoring of ecosystem multifunctionality.  
520 As this is one of the first studies considering a multifunctionality approach, further evidence from other  
521 ecosystems is needed to validate the generality of our results. Nevertheless, we are highly confident that  
522 our findings can serve as a baseline to help overcome funding limitations within restoration projects, often  
523 prevalent in less developed countries where restoration activities are especially needed.

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534

## 535 **AUTHORS' CONTRIBUTIONS**

536 MCR, ACR, MS, BF, SZ, and NB designed the experiment; MCR, ACR and MS developed the ideas  
537 for the manuscript; MCR, SZ and UG collected the data; WHvdP, BF and SZ led the lab work; MCR  
538 analyzed the data and wrote the first draft of the paper; ACR and MS commented on all drafts of the  
539 paper; NB, BF, UG, SZ and WHvdP contributed critically to the advanced drafts of the paper; all authors  
540 gave final approval for publication.

541

## 542 **DATA ACCESSIBILITY**

543 Data available via the EnviDat Repository <https://doi.org/10.16904/envidat.169>. Raw sequences of the  
544 soil microbial community are deposited in the NCBI Sequence Read Archive under the BioProject  
545 accession number PRJNA630536.

546 **LITERATURE**

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824 **TABLES**

825 **Table 1.** Statistical analyses for all 13 ecosystem properties that we used to calculate ecosystem  
 826 multifunctionality, and to discriminate among our restored, intensively managed and semi-natural  
 827 grasslands (overall, pairwise comparison). Model comparison was based on the explained variation of  
 828 ecosystem multifunctionality ( $r^2$ ) and on the Bayesian information criterion (BIC). Ecosystem properties  
 829 are sorted by ecosystem attribute and consecutively numbered (No.). Cost = cost categorization according  
 830 to effort, infrastructure and expert knowledge needed for assessment (see Appendix S1: Table S4);  $r^2$  =  
 831 Pseudo  $r^2$ ;  $\chi^2$  = Chi squared value;  $\Delta$ BIC = difference in BIC units to the lowest ranked property (lowest  
 832 BIC = plant species richness); I = *Initial*; H = *Harvest only*; Ts = *Topsoil*; TsP = *Topsoil+Propagules*; T =  
 833 *Target*; AG = aboveground; BG = belowground. Different lower case letters indicate significant differences  
 834 between treatments.

Ecosystem attribute	Ecosystem property		Ecosystem multifunctionality							Treatment					
	No.	Name	Cost	$r^2$	$\chi^2$	p	BIC	$\Delta$ BIC	$\chi^2$	p	I	H	Ts	TsP	T
Biodiversity	1	Arthropod richness AG	7+	0.347	23.393	<0.001	-15.5	18.0	7.504	0.112	a	a	a	a	a
	2	Taxon richness BG	9+	0.001	0.034	0.855	8.0	41.4	3.174	0.529	a	a	a	a	a
	3	Plant species richness	3+	0.529	41.707	<0.001	-33.4	-	63.530	<0.001	c	b	a	a	a
Structural diversity	4	Vegetation structure	1+	0.477	34.929	<0.001	-27.7	5.7	34.128	<0.001	c	c	b	a	b
	5	Soil heterogeneity	8+	0.093	5.144	0.023	2.7	36.1	7.302	0.121	a	a	a	a	a
	6	Functional diversity AG	8+	0.005	0.238	0.626	7.7	41.2	15.554	0.004	ab	b	b	a	b
	7	Functional diversity BG	10+	0.137	8.042	0.005	-0.1	33.3	17.196	0.002	b	b	a	b	b
	8	Food-web complexity AG	8+	0.317	20.941	<0.001	-12.9	20.5	24.769	<0.001	c	bc	b	a	bc
	9	Food-web complexity BG	10+	0.014	0.802	0.371	7.3	40.7	4.790	0.310	a	a	a	a	a
Soil functions	10	Soil C storage	2+	0.137	8.631	0.003	-0.1	33.3	15.126	0.004	c	ab	ab	bc	a
	11	Water holding capacity	3+	0.221	13.845	<0.001	-5.8	27.7	8.798	0.066	a	a	a	a	a
	12	Nutrient retention capacity	3+	0.186	11.886	<0.001	-3.3	30.1	9.245	0.055	a	a	a	a	a
Soil process	13	Soil net N mineralization	5+	0.415	29.440	<0.001	-21.5	11.9	49.884	<0.001	d	c	b	b	a

835



836 **Table 2.** Comparison of top alternative models based on highest explained variation of ecosystem  
 837 multifunctionality (EMF) or lowest cost. Alternative ecosystem multifunctionality models were clustered  
 838 according to the number of ecosystem properties included in the calculations (EMF.1-12). Alternative  
 839 models for highest explanatory power were compared based on the Bayesian information criteria (BIC)  
 840 and considered different when the difference in  $\Delta$ BIC was  $> 2$  (Kassambra 2018; Appendix S2). This was  
 841 done for each cluster separately. % EMF = proportion of ecosystem multifunctionality explained; Cost =  
 842 total costs for a specific model (Table 1; Appendix S1: Table S4; Appendix S2); Properties considered =  
 843 List of ecosystem properties included, numbers correspond to Table 1 (No.).

EMF model	highest explanatory power			lowest cost		
	% EMF	Cost	Properties considered	% EMF	Cost	Properties considered
EMF.12	99.5	67+	1+2+3+4+5+6+7+8+10+11+12+13	99.5	67+	1+2+3+4+5+6+7+8+10+11+12+13
EMF.11	98.8	58+	1+3+4+5+6+7+8+10+11+12+13	97.5	57+	1+2+3+4+5+6+8+10+11+12+13
EMF.10	98.2	55+	1+3+4+5+6+7+8+10+11+13	97.3	48+	1+3+4+5+6+8+10+11+12+13
EMF.9	97.2	50+	1+3+4+5+6+7+8+10+11	96.3	40+	1+3+4+5+8+10+11+12+13
EMF.8	96.3	42+	1+3+4+5+7+8+10+11	92.3	32+	1+3+4+8+10+11+12+13
EMF.7	95.5	36+	1+3+5+8+10+11+13	85.3	24+	1+3+4+10+11+12+13
EMF.6	94.5	31+	1+3+5+8+10+11	80.0	17+	3+4+10+11+12+13
EMF.5	89.8	23+	1+3+8+10+11	78.1	12+	3+4+10+11+12
EMF.4	87.6	21+	1+3+8+11	77.8	9+	3+4+10+11
EMF.3	80.4	14+	3+8+11	70.0	6+	4+10+11
EMF.2	70.1	10+	1+3	56.5	3+	4+10
EMF.1	52.9	3+	3	47.7	1+	4

844

845 **FIGURE LEGENDS**

846 **Fig. 1.** Treatment effects on ecosystem (A), aboveground (B), belowground (C), biotic (D) and abiotic  
847 (E) multifunctionality (mean  $\pm$  SE). All five multifunctionality measures represent weighted average values  
848 of standardized properties (y- axis: scaled between 0 and 1). Different lower-case letters indicate significant  
849 differences between treatments. I = *Initial*; H = *Harvest only*; Ts = *Topsoil*; TsP = *Topsoil+Propagules*; T  
850 = *Target*.

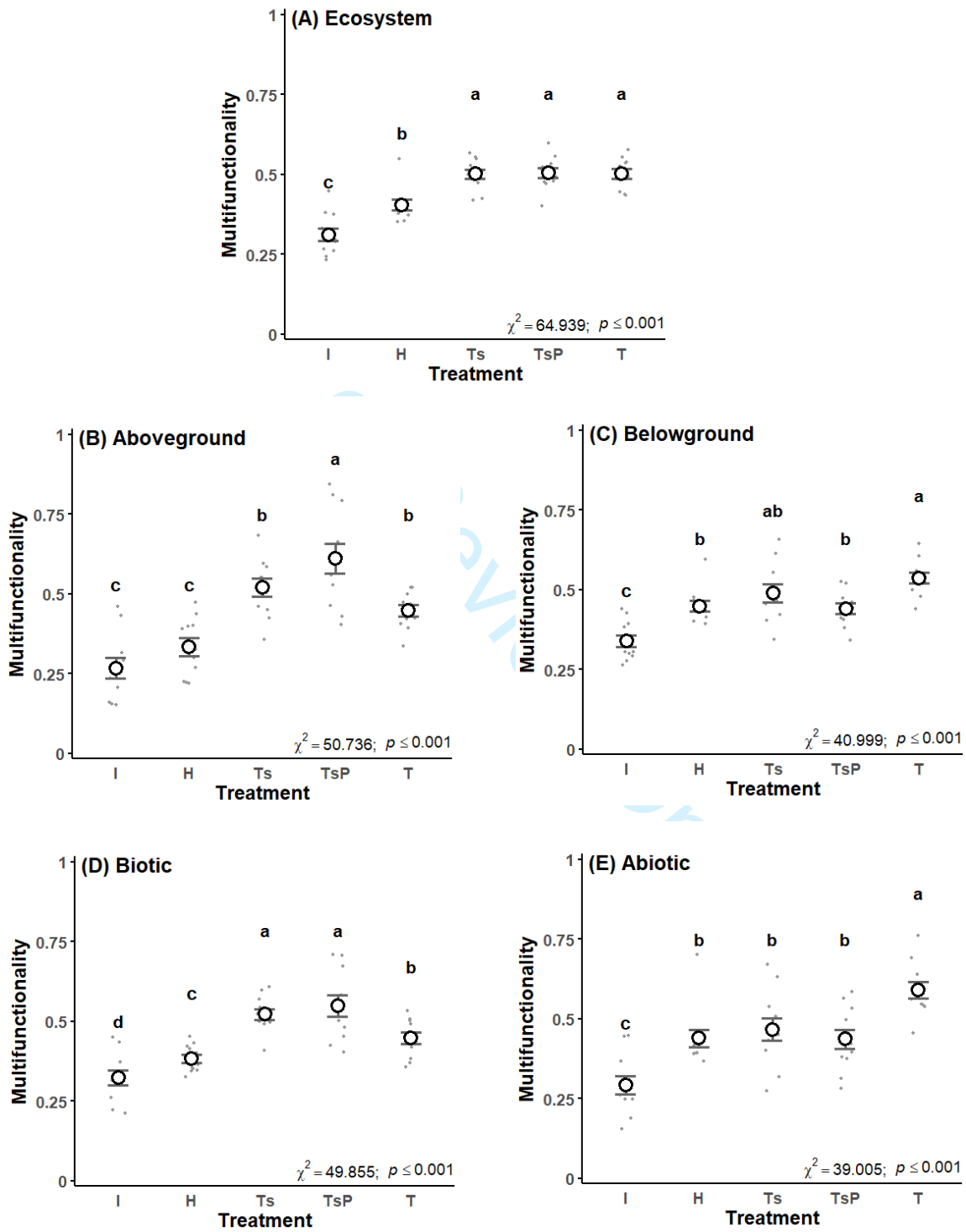
851

852 **Fig. 2.** Treatment effects on standardized ecosystem properties (mean  $\pm$  SE; 1-13). Different lower case  
853 letters indicate significant differences between treatments. AG = aboveground; BG = belowground; I =  
854 *Initial*; H = *Harvest only*; Ts = *Topsoil*; TsP = *Topsoil+Propagules*; T = *Target*. Label numbers refer to  
855 Table 1 (No.).

856

857 **Fig. 3.** Relationship of explained variation of ecosystem multifunctionality (EMF) with costs for  
858 individual and multiple ecosystem properties. Subsets of possible combinations were identified by the  
859 stepwise reduction of all 13 ecosystem properties using an exhaustive search approach, which resulted in  
860 8190 alternative calculations of ecosystem multifunctionality (single points; Appendix S2). Alternative  
861 calculations of ecosystem multifunctionality were clustered by number of included ecosystem properties  
862 (No. variables) and indicated by different colors. Linear regressions were calculated per cluster and also  
863 indicated in the respective colors. For comparison, ecosystem multifunctionality calculated based on all 13  
864 properties and the respective costs are also shown (\* = Full model).

865 **FIGURE 1**



866 **FIGURE 2**

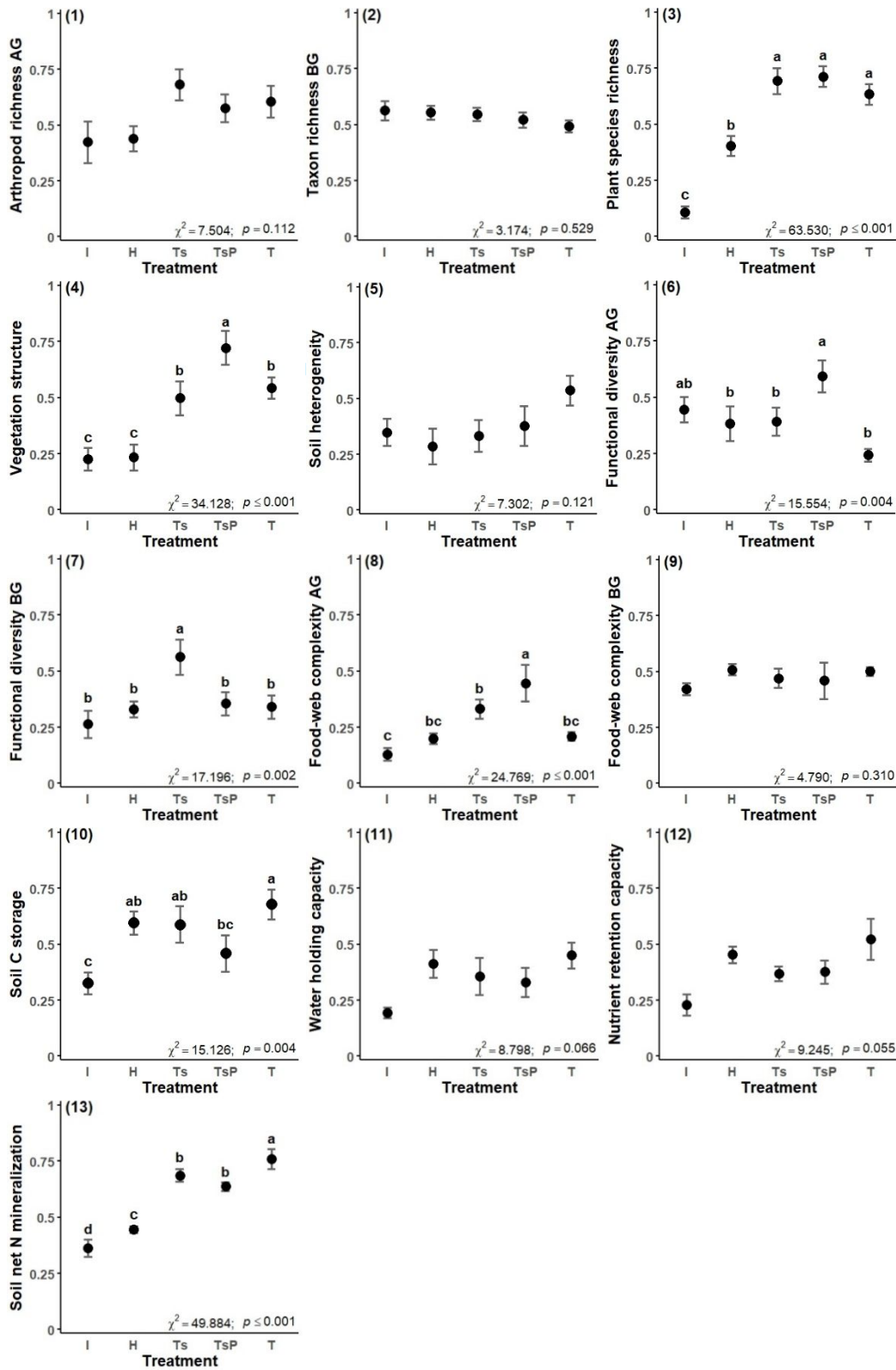
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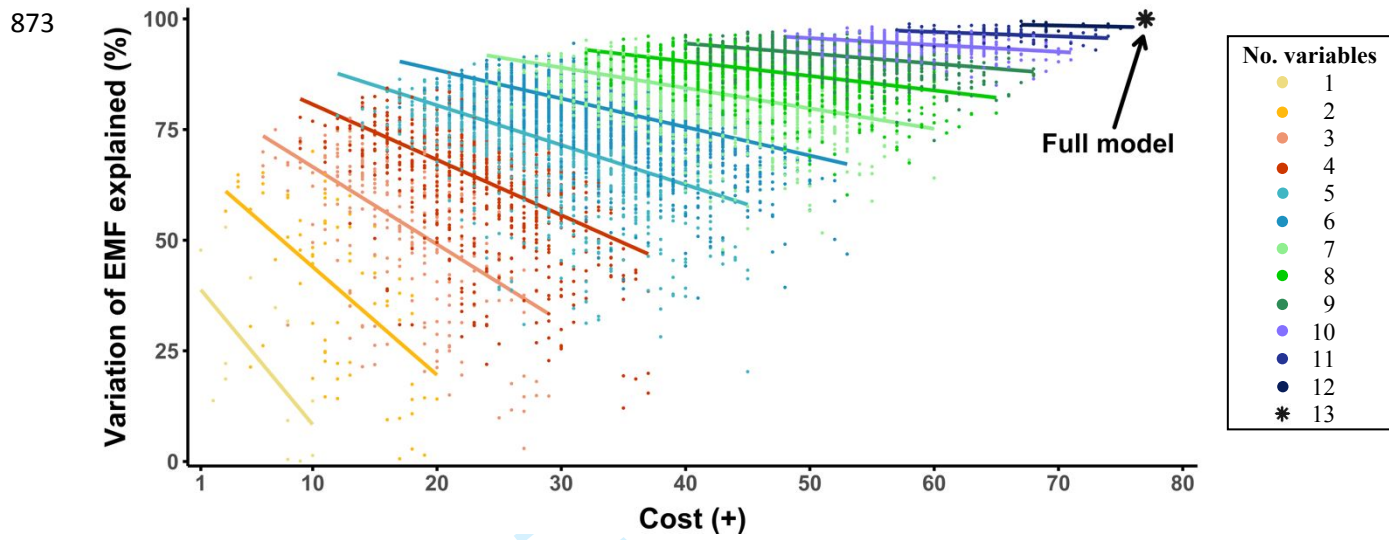
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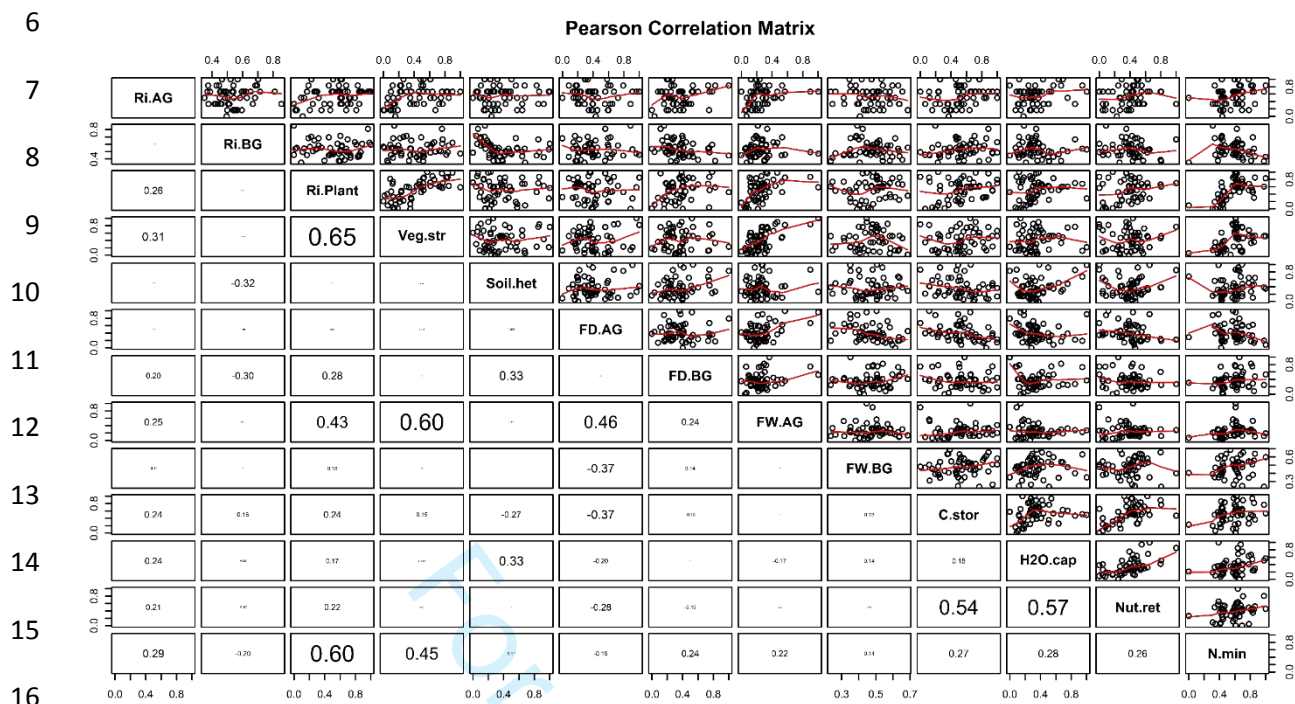
872 **FIGURE 3**



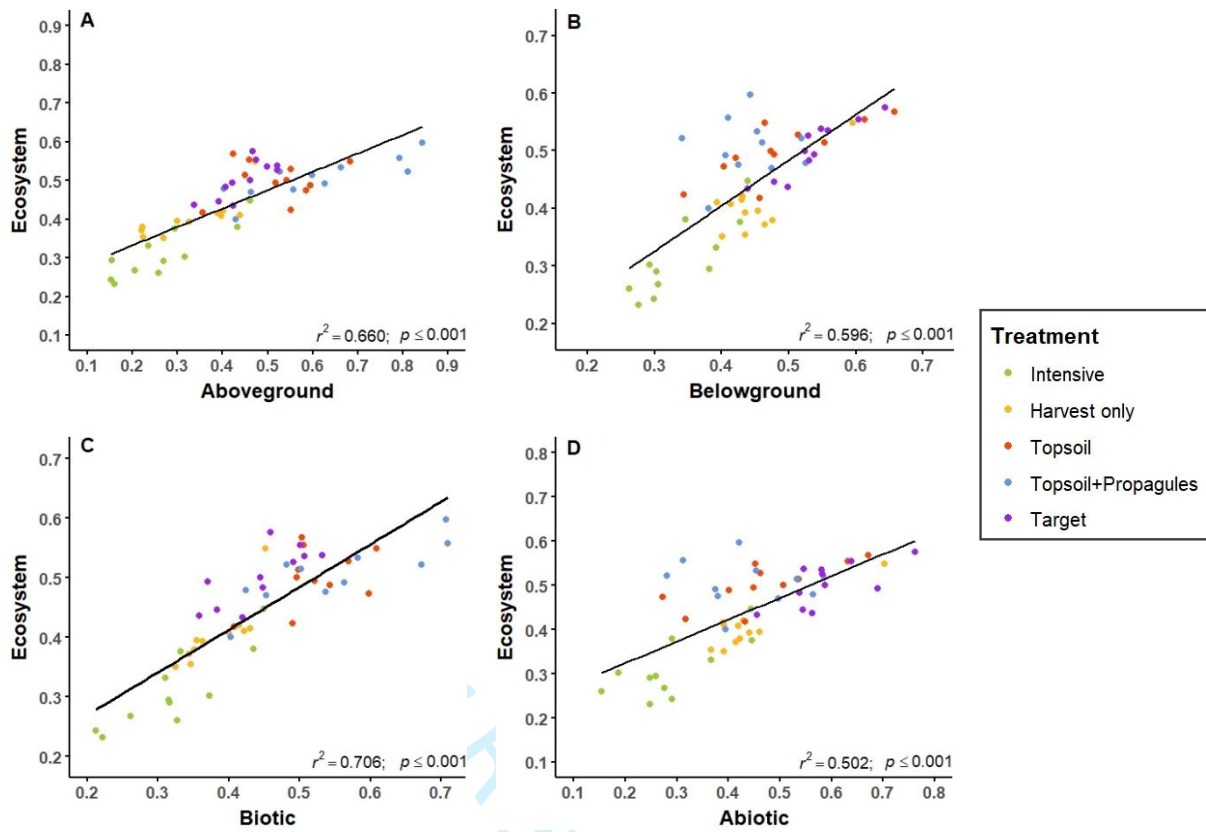
Review Only

- 1 **Supporting Information.** M. Carol Resch, Martin Schütz, Nina Buchmann, Beat Frey, Ulrich Graf,
- 2 Wim H. van der Putten, Stephan Zimmermann, Anita C. Risch. *Evaluating long-term success in*
- 3 *grassland restoration – an ecosystem multifunctionality approach.* Ecological Applications
- 4
- 5 **APPENDIX S1.** Supporting information

For Review Only



17 **Figure S1:** Scatterplot matrix for pair-wise comparison of the 13 ecosystem properties using Pearson  
 18 correlations. Strength of correlation is size-coded (increasing font size=higher correlation). No highly  
 19 correlated variables, i.e. Pearson  $> |0.7|$ , were identified, therefore all ecosystem properties were kept  
 20 for further multifunctionality calculations (Dormann et al. 2013). Ri = richness; AG = aboveground;  
 21 BG = belowground; Veg.str = vegetation structure; Soil.het = soil heterogeneity; FD = functional  
 22 diversity; FW = food-web complexity; C.stor = soil carbon storage; H2O.cap = water holding  
 23 capacity; Nut.ret = nutrient retention capacity; N.min = soil net nitrogen mineralization.



24

25

26 **Figure S2:** Relationship between ecosystem multifunctionality and aboveground (A), belowground

27 (B), biotic (C), and abiotic (D) multifunctionality across all five treatments. Degrees of freedom:

28 numerator=1, denominator=53.



29 **Table S1:** Detailed site description of individual plots. Management: level of mowing frequency per  
 30 year; for Initial plots = mowing frequency equivalent to manuring frequency (35-40 kg N ha<sup>-1</sup>  
 31 application<sup>-1</sup>). Tillage: last time the plot was tilled. Land-use: for Initial plots = recent agricultural  
 32 use; for all restored sites = agricultural use before restoration; TG = temporary grassland; PG =  
 33 permanent grassland. Mowing: for Initial plots = earliest date of biomass harvesting; for restored and  
 34 target sites: earliest date(s) of biomass harvesting based on contracts between farmers and the Nature  
 35 Protection Agency of Zurich. Soil type: Soil types based on soil mapping survey 1991 (before  
 36 restoration). Slope: slope gradient classes in % according to FAO (1990).

Plot	Treatment	X Coordinate	Y Coordinate	Management	Tillage	Land use	Mowing	Soil type	Slope
I1	Initial	689 080.243	258 246.682	4-5 times	< 5 years	TG	~ 01.05	calcaric Cambisol	2-5
I2	Initial	689 171.878	258 201.273	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	5-10
I3	Initial	689 369.799	257 724.519	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	15-30
I4	Initial	689 655.412	257 775.139	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	10-15
I5	Initial	689 474.826	257 867.636	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	5-10
I6	Initial	689 621.276	257 411.625	2-3 times	> 50 years	PG	~ 01.05	Cambisol	5-10
I7	Initial	689 107.190	258 191.221	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	10-15
I8	Initial	689 856.414	257 037.378	4-5 times	< 5 years	TG	~ 01.05	Cambisol	2-5
I9	Initial	688 074.334	256 633.488	4-5 times	< 5 years	TG	~ 01.05	gleyic Cambisol	1-2
I10	Initial	689 181.127	255 357.313	4-5 times	< 5 years	TG	~ 01.05	calcaric Cambisol	1-2
I11	Initial	689 182.964	255 311.208	4-5 times	< 5 years	TG	~ 01.05	calcaric Cambisol	1-2
H1	Harvest only	689 186.967	258 681.567	twice	> 50 years	PG	15.06+01.08	calcaric Cambisol	15-30
H2	Harvest only	688 933.815	258 420.623	twice	> 50 years	PG	01.06+01.08	gleyic Cambisol	1-2
H3	Harvest only	688 919.745	258 404.992	twice	> 50 years	PG	01.06+01.08	gleyic Cambisol	1-2
H4	Harvest only	688 879.453	258 194.025	twice	> 50 years	PG	15.06+01.08	calcaric Cambisol	10-15
H5	Harvest only	689 607.500	257 321.004	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	5-10
H6	Harvest only	689 601.683	257 303.948	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	2-5
H7	Harvest only	689 287.785	257 262.048	once	> 50 years	PG	01.09	gleyic Cambisol	1-2
H8	Harvest only	689 384.058	257 240.320	twice	> 20 years	TG	15.06+01.08	Cambisol	1-2
H9	Harvest only	688 243.282	256 768.410	twice	> 50 years	PG	15.06+01.08	Cambisol	5-10
H10	Harvest only	688 087.389	256 606.881	twice	> 20 years	TG	15.06+01.08	gleyic Cambisol	1-2
H11	Harvest only	686 482.257	257 511.743	twice	> 50 years	PG	15.06+01.08	Cambisol	5-10
Ts12	Topsoil	688 842.399	258 157.864	once	> 20 years	TG	01.10	calcaric Cambisol	15-30
Ts13	Topsoil	688 924.788	258 162.298	once	> 20 years	TG	01.10	gleyic Cambisol	5-10
Ts14	Topsoil	688 945.718	258 163.263	once	> 20 years	TG	01.10	gleyic Cambisol	2-5
Ts15	Topsoil	688 929.716	258 150.335	once	> 20 years	TG	01.10	gleyic Cambisol	5-10
Ts16	Topsoil	689 304.495	257 643.792	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	15-30
Ts17	Topsoil	689 299.038	257 635.489	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
Ts18	Topsoil	689 290.017	257 630.635	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
Ts19	Topsoil	689 275.499	257 604.954	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
Ts20	Topsoil	688 432.429	256 701.455	once	> 20 years	TG	01.09	Cambisol	10-15
Ts21	Topsoil	688 452.466	256 689.857	once	> 20 years	TG	01.09	Cambisol	10-15
Ts22	Topsoil	688 480.873	256 674.312	once	> 20 years	TG	01.09	Cambisol	10-15
TsP23	Topsoil+Propagules	688 866.496	258 143.692	once	> 20 years	TG	01.10	calcaric Cambisol	15-30

TsP24	Topsoil+Propagules	688 920.325	258 174.350	once	> 50 years	PG	01.10	gleyic Cambisol	2-5
TsP25	Topsoil+Propagules	688 936.369	258 182.046	once	> 50 years	PG	01.10	gleyic Cambisol	2-5
TsP26	Topsoil+Propagules	688 940.846	258 139.118	once	> 20 years	TG	01.10	gleyic Cambisol	10-15
TsP27	Topsoil+Propagules	689 327.330	257 626.436	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	15-30
TsP28	Topsoil+Propagules	689 331.254	257 608.974	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
TsP29	Topsoil+Propagules	689 311.264	257 594.039	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
TsP30	Topsoil+Propagules	689 291.989	257 592.732	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
TsP31	Topsoil+Propagules	688 427.274	256 690.798	once	> 20 years	TG	01.09	Cambisol	10-15
TsP32	Topsoil+Propagules	688 443.274	256 671.733	once	> 20 years	TG	01.09	Cambisol	10-15
TsP33	Topsoil+Propagules	688 476.252	256 662.240	once	> 20 years	TG	01.09	Cambisol	10-15
T1	Target	689 243.905	258 650.264	once	> 50 years	PG	01.10	calcaric Cambisol	15-30
T2	Target	689 236.201	258 665.533	once	> 50 years	PG	01.10	calcaric Cambisol	15-30
T3	Target	688 745.706	260 651.789	once	> 50 years	PG	01.07	calcaric Cambisol	30-60
T4	Target	688 770.481	260 651.169	once	> 50 years	PG	01.07	calcaric Cambisol	30-60
T5	Target	682 380.151	257 922.449	once	> 50 years	PG	01.09	Gleysol	1-2
T6	Target	682 369.291	258 137.826	once	> 50 years	PG	01.09	gleyic Cambisol	1-2
T7	Target	682 383.696	258 122.936	once	> 50 years	PG	01.09	gleyic Cambisol	1-2
T8	Target	682 351.964	258 096.006	once	> 50 years	PG	01.09	Gleysol	1-2
T9	Target	682 347.167	258 038.684	once	> 50 years	PG	01.09	Gleysol	2-5
T10	Target	682 386.682	257 977.765	once	> 50 years	PG	01.09	Gleysol	2-5
T11	Target	682 364.170	257 909.674	once	> 50 years	PG	01.09	Gleysol	5-10

38 **Table S2:** Ecosystem attributes, their ecological importance, and their link to selected ecosystem  
 39 properties. AG = aboveground; BG = belowground.

Ecosystem attribute	Important indications	Ecosystem property	References
<b>Biodiversity</b>	- <b>Ecosystem stability, resistance and resilience:</b> ability to counteract or buffer environmental changes (e.g. climatic extremes such as droughts or floods); increases rates and pace of recovery from disturbance; acts as barrier to ecological invasion	Arthropod richness AG	Pennekamp et al. 2018; Isbell et al. 2015; Kennedy et al. 2002; Naeem et al. 2000
		Taxon richness BG	
		Plant richness	
	<b>Structural diversity</b>	- <b>Niche availability and differentiation:</b> vertical stratification influences important habitat features (i.e., microclimate, food and shelter availability); increased heterogeneity promotes species coexistence and hence species diversity	Vegetation structure
	- <b>Spatial heterogeneity:</b> increased patchiness of resources promotes niche differentiation and counteracts homogenization and dominance of exploitative species	Soil heterogeneity	Baer et al. 2019; Gossner et al. 2016
	- <b>Resource utilization efficiency:</b> functional complementary or redundancy of organismic groups indicates sustainability or exploitation of resources; complementary or opposing effects due to enhanced diversity in functional groups	Functional diversity	Soliveres et al. 2016; Vandewalle et al. 2010; Pacini et al. 2009; Yachi and Loreau 2007; Rosenfeld 2002
	- <b>Presence and diversity of key trophic levels:</b> indicator of disturbance intensity (e.g. restoration method, one-time) or management (ongoing); increased levels of disturbance decrease complexity by absence of higher trophic levels	Food-web complexity	Parisi et al. 2005; Bongers 1990
<b>Soil functions</b>	- <b>Water regulation:</b> hydrological conditions (e.g., changes in groundwater level) and water availability for plant growth	Water holding capacity	Hazelton and Murphy 2007; Delarze et al. 2015
	- <b>Storage and filtering capacity:</b> storing, filtering and transforming nutrients and pollutants; regulation of nutrient sequestration and flow to mitigate negative effects of land use or climate change	Soil carbon storage	Wang et al. 2019; Ward et al. 2016; Grêt-Regamey et al. 2016
	- <b>Soil fertility:</b> capacity of soil to hold and exchange cations in a plant available form; reduced values indicate for potential threat of excessive nutrient-leaching or soil acidification	Nutrient retention capacity	Matson et al. 1997
<b>Soil process</b>	- <b>Nutrient cycling:</b> appropriate levels of plant growth and productivity in sustainable and self-supporting ecosystems	Soil net nitrogen mineralization	Risch et al. 2018; Risch et al. 2019

41 **Table S3:** Classification of faunal and microbial functional groups according to which part of the  
 42 ecosystem they inhabit (above-/belowground), phylum, identification level of taxonomic or functional  
 43 group, feeding type, trophic level, response to increased stress or disturbance levels (SD level), and  
 44 the proposed factor defining food-web complexity (FW factor, feeding type + trophic level + SD  
 45 level). Classification of functional groups was based on lowest taxonomic resolution (see also Data  
 46 repository: <https://doi.org/10.16904/envidat.169>). This information was used to assess functional  
 47 diversity (feeding type + trophic level) and food-web complexity (rel. abundance multiplied by FW  
 48 factor) above- and belowground. Collembola were classified into functional subgroups following  
 49 Oliveira Filho et al. (2016). .a = adults; .l = larvae; .juv = juveniles; EMI = ecomorphological index  
 50 (Parisi et al. 2005); SD = stress/disturbance level; C-P = colonizer-persister scaling (Bongers 1990).

Ecosystem compartment	Phylum	Taxonomic unit/ Functional groups	Feeding type	Trophic level	SD level	FW factor
aboveground	Arthropoda	Pseuscorpiones.a	Carnivores	5. level	EMI.20	5.9
		Formicidae.a	Omnivores	5. level	EMI.5	5.5
		Araneae.a	Carnivores	5. level	EMI.1	5.1
		Staphylinidae.a	Carnivores	5. level	EMI.1	5.1
		Neuroptera.a	Carnivores	5. level	EMI.1	5.1
		Coleoptera.a	Omnivores	5. level	EMI.1	5.1
		Ensifera.a	Omnivores	5. level	EMI.1	5.1
		Heteroptera.a	Omnivores	5. level	EMI.1	5.1
		Isopoda.a	Omnivores	4. level	EMI.10	4.8
		holometabolic.l	Omnivores	4. level	EMI.10	4.8
		Blattodea.a	Omnivores	4. level	EMI.5	4.5
		Apocrita.a	Omnivores	4. level	EMI.1	4.1
		Heteroptera.juv	Omnivores	4. level	EMI.1	4.1
		Nematocera.a	Omnivores	3. level	EMI.1	3.1
		Brachycera.a	Omnivores	3. level	EMI.1	3.1
		Lepidoptera.a	Omnivores	3. level	EMI.1	3.1
		Psocoptera.a	Omnivores	3. level	EMI.1	3.1
		Caelifera.a	Herbivores	2. level	EMI.1	2.1
		Psyllidae.a	Herbivores	2. level	EMI.1	2.1
		Auchenorrhyncha.a	Herbivores	2. level	EMI.1	2.1
		Auchenorrhyncha.juv	Herbivores	2. level	EMI.1	2.1
		Aphididae.a	Herbivores	2. level	EMI.1	2.1
		Thysanoptera.a	Herbivores	2. level	EMI.1	2.1
belowground	Annelida	Earthworm.anecic	Omnivores	5. level	SD.9	5.9
		Earthworm.endogeic	Omnivores	5. level	SD.5	5.5
		Earthworm.epigeic	Omnivores	5. level	SD.1	5.1

Arthropoda	Geophilomorpha.a	Carnivores	5. level	EMI.10	5.8
	Lithobiomorpha.a	Carnivores	5. level	EMI.10	5.8
	Vespoidea.a	Carnivores	5. level	EMI.1	5.1
	Staphylinidae.a	Carnivores	5. level	EMI.1	5.1
	Coleoptera.juv	Omnivores	5. level	EMI.10	5.8
	Formicidae.a	Omnivores	5. level	EMI.5	5.5
	Coleoptera.a	Omnivores	5. level	EMI.1	5.1
	Heteroptera.a	Omnivores	5. level	EMI.1	5.1
	Acari.oriobatida	Omnivores	4. level	EMI.20	4.9
	Diplura.a	Omnivores	4. level	EMI.20	4.9
	Acari.rest	Omnivores	4. level	EMI.10	4.8
	Diptera.l	Omnivores	4. level	EMI.10	4.8
	Lepidoptera.l	Omnivores	4. level	EMI.10	4.8
	holometabolic.l	Omnivores	4. level	EMI.10	4.8
	Araneae.juv	Omnivores	4. level	EMI.5	4.5
	Protura.a	Fungivores	3. level	EMI.20	3.9
	Symphyla.a	Omnivores	3. level	EMI.20	3.9
	Paupoda.a	Omnivores	3. level	EMI.20	3.9
	Collembola.euedaphic1	Fungivores	3. level	EMI.20	3.9
	Archaeognatha.a	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic3	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic8	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic12	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic20	Omnivores	3. level	EMI.10	3.8
	Collembola.hemiedaphic16	Omnivores	3. level	EMI.8	3.6
	Collembola.hemiedaphic31	Omnivores	3. level	EMI.6	3.5
	Collembola.hemiedaphic32	Omnivores	3. level	EMI.6	3.5
	Collembola.hemiedaphic49	Omnivores	3. level	EMI.6	3.5
	Collembola.epigeic8	Omnivores	3. level	EMI.4	3.2
	Collembola.epigeic9	Omnivores	3. level	EMI.4	3.2
	Collembola.epigeic15	Omnivores	3. level	EMI.2	3.2
	Collembola.epigeic17	Omnivores	3. level	EMI.2	3.2
	Collembola.epigeic22	Omnivores	3. level	EMI.1	3.1
	Psocoptera.juv	Omnivores	3. level	EMI.1	3.1
	Psocoptera.a	Herbivores	2. level	EMI.1	2.1
	Heteroptera.juv	Herbivores	2. level	EMI.1	2.1
Auchenorrhyncha.a	Herbivores	2. level	EMI.1	2.1	
Auchenorrhyncha.juv	Herbivores	2. level	EMI.1	2.1	
Aphididae.a	Herbivores	2. level	EMI.1	2.1	
Aphididae.juv	Herbivores	2. level	EMI.1	2.1	
Thysanoptera.a	Herbivores	2. level	EMI.1	2.1	
Nematoda	Ca5	Carnivores	4. level	C-P.5	4.9
	Om5	Omnivores	4. level	C-P.5	4.9
	Ca4	Carnivores	4. level	C-P.4	4.8

	Om4	Omnivores	4. level	C-P.4	4.8
	Ca3	Carnivores	4. level	C-P.3	4.5
	Om3	Omnivores	4. level	C-P.3	4.5
	Ba4	Bacterivores	3. level	C-P.4	3.8
	Fu4	Fungivores	3. level	C-P.4	3.8
	Ba3	Bacterivores	3. level	C-P.3	3.5
	Fu3	Fungivores	3. level	C-P.3	3.5
	Fu2	Fungivores	3. level	C-P.2	3.2
	Ba2	Bacterivores	3. level	C-P.2	3.2
	Ba1	Bacterivores	3. level	C-P.1	3.1
	He5	Herbivores	2. level	C-P.5	2.9
	He4	Herbivores	2. level	C-P.4	2.8
	He3	Herbivores	2. level	C-P.3	2.5
	He2	Herbivores	2. level	C-P.2	2.2
Prokaryota	Pro.methanotroph	methanotroph	2. level	undefined	2.9
	Pro.mixotroph	mixotroph	2. level	oligotroph	2.9
	Pro.mixotroph	mixotroph	2. level	copiotroph	2.1
	Pro.heterotroph	heterotroph	2. level	oligotroph	2.9
	Pro.heterotroph	heterotroph	2. level	copiotroph	2.1
	Pro.heterotroph	heterotroph	2. level	undefined	2.1
	Pro.autotroph	autotroph	1. level	oligotroph	2.9
	Pro.autotroph	autotroph	1. level	copiotroph	2.1
	Pro.undef	undefined	2. level	oligotroph	2.9
	Pro.undef	undefined	2. level	copiotroph	2.1
	Pro.undef	undefined	2. level	undefined	2.1
Fungi	Fun.symbio	symbiotroph	2. level	undefined	2.9
	Fun.bio	biotroph	2. level	parasitic	2.9
	Fun.sapro	saprotroph	2. level	oligotroph	2.9
	Fun.sapro	saprotroph	2. level	copiotroph	2.1
	Fun.sapro	saprotroph	2. level	undefined	2.5
	Fun.patho	pathotroph	2. level	animal	2.9
	Fun.patho	pathotroph	2. level	undefined	2.1
	Fun.others	others	2. level	undefined	2.5
	Fun.undef	undefined	2. level	undefined	2.1

52 **Table S4:** Summarized cost categorization for the 13 ecosystem properties used to calculate  
 53 multifunctionality measures. Effort: sampling, extraction and identification (i.e., time needed).  
 54 Infrastructure: equipment (e.g., microscopes) and laboratories (e.g., wet, genetic). Analyses requiring  
 55 specific equipment (e.g., sequencing machines, CN analyzer) for soil genetic and chemical properties,  
 56 have been outsourced to specialized companies as might be most eligible for practical  
 57 implementation. Expert knowledge: expertise for identification, classification and interpretation (e.g.,  
 58 biotic communities). Categories were based on detailed assessment for effort, infrastructure and  
 59 expert knowledge listed in Tables S5, S6 and S7. AG = aboveground; BG = belowground.

Ecosystem property	Cost	Effort	Infrastructure	Expert knowledge
1 Arthropod richness AG	7+	++++	+	++
2 Taxon richness BG	9+	++++	+++	++
3 Plant richness	3+	+		++
4 Vegetation structure	1+	+		
5 Soil heterogeneity	8+	++++	++	++
6 Functional diversity AG	8+	++++	+	+++
7 Functional diversity BG	10+	++++	+++	+++
8 Food-web complexity AG	8+	++++	+	+++
9 Food-web complexity BG	10+	++++	+++	+++
10 Soil carbon storage	2+	+	+	
11 Water holding capacity	3+	++	+	
12 Nutrient retention capacity	3+	++	+	
13 Soil net nitrogen mineralization	5+	++	++	+

61 **Table S5:** Detailed description of the effort needed to assess individual ecosystem properties in our  
 62 specific study. Estimates are given as work days per sample for the different tasks to obtain raw data  
 63 to be used in data analysis. AG = aboveground; BG = belowground.

<b>Ecosystem property</b>	<b>Sampling + Extraction</b>	<b>Sorting + Identification</b>	<b>additional classification</b>
1 Arthropod richness AG	1.0	5.0	---
2 Taxon richness BG			---
- earthworms	0.04	0.5	
- arthropods	7.0	2.0	
- nematodes	7.0	0.5	
- microbes	2.0	3.0	
3 Plant richness	---	0.04	---
4 Vegetation structure	0.02	---	---
5 Soil heterogeneity		---	---
- soil pH	1.0		
- organic C content	1.5		
- NO <sub>3</sub> <sup>-</sup> concentration	0.5		
- NH <sub>4</sub> <sup>+</sup> concentration	0.5		
- exchangeable cation concentrations	0.5		
- bulk density	0.5		
- proportion of skeleton	1.0		
- texture	1.5		
- proportion of fine pores	0.2		
- thickness of topsoil horizon	0.02		
- slope class	0.02		
- seasonal variation surface temperature	0.5		
- seasonal variation soil temperature	0.5		
- seasonal variation soil moisture	0.5		
6 Functional diversity AG	see Arthropod richness AG		3.0
7 Functional diversity BG	see Taxon richness BG		1.0
8 Food-web complexity AG	see Arthropod richness AG		1.0
9 Food-web complexity BG	see Taxon richness BG		1.0
10 Soil carbon storage	1.0	---	---
11 Water holding capacity	see bulk density		1.0
12 Nutrient retention capacity	see exchangeable cations		1.0
13 Soil net nitrogen mineralization	see NO <sub>3</sub> <sup>-</sup> and NH <sub>4</sub> <sup>+</sup>		2.5



65 **Table S6:** Detailed description of the infrastructure needed to assess individual ecosystem properties.

66 Infrastructure included the equipment and laboratories needed for the sample processing. AG =

67 aboveground; BG = belowground.

<b>Ecosystem property</b>	<b>Equipment</b>	<b>Laboratories</b>
1 Arthropod richness AG	- suction sampler - binocular	- dry lab
2 Taxon richness BG	- soil hammer, spade - Oostenbrink elutriator (nematodes) - Berlese-Tullgren funnels (arthropods) - binocular (earthworms, arthropods) - microscope (nematodes) - centrifuge, shaker, scales, extractor hood - drying oven, refrigerator, freezer - PCR machines, spectral photometer, electrophoresis	- dry and wet labs - DNA extraction lab - PCR amplification lab - electrophoresis lab
3 Plant richness	---	---
4 Vegetation structure	---	---
5 Soil heterogeneity	- soil hammer, spade - centrifuge, shaker, scales, extractor hood - drying oven, refrigerator - water-resistant digital pocket thermometer - time domain reflectometer (TDR)	- dry and wet labs
6 Functional diversity AG	see Arthropod richness AG - shears, drying oven, scales (plant biomass)	
7 Functional diversity BG	see Taxon richness BG	
8 Food-web complexity AG	see Arthropod richness AG	
9 Food-web complexity BG	see Taxon richness BG	
10 Soil carbon storage	- soil hammer - drying oven - CN analyzer	- dry lab
11 Water holding capacity	- soil hammer - drying oven - water bath and sand/silt-bed drainage	- dry and wet labs
12 Nutrient retention capacity	- soil hammer - drying oven	- dry lab
13 Soil net nitrogen mineralization	- soil hammer - drying oven, refrigerator, climatic chambers	- dry and wet labs

69 **Table S7:** Detailed description of the area of expertise needed to assess individual ecosystem  
 70 properties. AG = aboveground; BG = belowground.

<b>Ecosystem property</b>	<b>Area of expertise</b>
1 Arthropod richness AG	- identification and classification of AG arthropods (order to family level)
2 Taxon richness BG	- identification and classification of earthworms (species level) - identification and classification of soil arthropods (order to family level) - identification and classification of soil nematodes (family level) - interpreting metabarcoding data of soil microbes (OTU level)
3 Plant richness	- identification and classification of plants (species level)
4 Vegetation structure	---
5 Soil heterogeneity	- soil chemical, physical, and biogeochemical analysis
6 Functional diversity AG	- see Arthropod richness AG - functional classification of plant species - functional classification of arthropod groups
7 Functional diversity BG	- see Taxon richness BG - functional classification of all biotic groups studied
8 Food-web complexity AG	- see Arthropod richness AG - functional classification of arthropod groups - classification according to taxon response to increased stress or disturbance levels (SD level)
9 Food-web complexity BG	- see Taxon richness BG - functional classification of all biotic groups studied - classification according to taxon response to increased stress or disturbance levels (SD level)
10 Soil carbon storage	---
11 Water holding capacity	---
12 Nutrient retention capacity	---
13 Soil net nitrogen mineralization	- soil chemical and biogeochemical analysis

72 **Table S8:** R libraries and packages used for analyses of ecosystem multifunctionality and its single  
 73 components as well as individual ecosystem properties are listed, indicating reason of analyses.

<b>Analyses</b>	<b>Package</b>	<b>Version</b>	<b>Citation</b>
Beta regression models	betareg	3.1-0	Cribari-Neto & Zeileis et al. 2010
Likelihood ration tests	lmtest	0.9-37	Zeileis & Hothorn 2002
Multiple pairwise comparison and adjustment (univariate)	emmeans	1.3.5	Lenth 2019
	rcompanion	2.2.1	Mangiafico 2019
	multcomp	1.4-10	Hothorn et al. 2008
	multcompView	0.1-7	Graves et al. 2015
Multivariate homogeneity of groups` dispersion	vegan	2.5-5	Oksanen et al. 2019
	permut	0.9-5	Simpson 2019
Strength and significance of Pearson correlation	Hmisc	4.2-0	Harrell 2019
	Formula	1.2-3	Zeileis & Croissant 2010
Exhaustive search (Regression subset selection)	leaps	3.1	Lumley 2020
Graphical presentation	ggplot2	3.1.1	Wickham 2016
	ggthemes	4.2.0	Arnold 2019
	lattice	0.20-38	Deepayan 2008
	corrplot	0.84	Wei & Simko 2017
	RColorBrewer	1.1-2	Neuwirth 2014
	factoextra	1.0.5	Kassambara & Mundt 2017

74

75 **Literature**

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**Supporting Information.** MC Resch, M Schütz, N Buchmann, B Frey, U Graf, Wvd Putten, S Zimmermann, AC Risch  
*Evaluating long-term success in grassland restoration – an ecosystem multifunctionality approach.*

**Appendix S2:** Supporting information on alternative ecosystem multifunctionality (EMF) models

<b>Variable</b>	<b>Description</b>
<b>EMF.x.x</b>	consecutively numbered alternative models after clustering models by number of included variables
<b>EMF.x</b>	series of alternative models grouped by the number of included variables (combination cluster)
<b>No.</b>	number of included variables in the respective alternative model
<b>Ri.AG</b>	Aboveground arthropod richness
<b>Ri.BG</b>	Belowground taxon richness (earthworms, arthropods, nematodes, fungi, prokaryotes)
<b>Ri.Plant</b>	Plant richness
<b>Veg.str</b>	Vegetation structure
<b>Soil.het</b>	Soil heterogeneity
<b>FD.AG</b>	Functional diversity aboveground (relative abundance of plant and faunal functional groups)
<b>FD.BG</b>	Functional diversity belowground (relative abundance of microbial and faunal functional groups)
<b>FW.AG</b>	Food-web complexity aboveground (standardized community weighted mean of abundance per functional group; life-history trait-based approach for faunal functional groups; trait-based factor reflects three aspects of food-web structure: 1) feeding type, 2) trophic level, and 3) sensitivity to stress and/or disturbance as well as recolonization ability ["SD level"])
<b>FW.BG</b>	Food-web complexity belowground (standardized community weighted mean of abundance per functional group; life-history trait-based approach for faunal and microbial functional groups; trait-based factor reflects three aspects of food-web structure: 1) feeding type, 2) trophic level, and 3) sensitivity to stress and/or disturbance as well as recolonization ability ["SD level"])
<b>C.stor</b>	Soil carbon storage (total soil carbon (C) content corrected for soil depth and density of fine earth)
<b>H2O.cap</b>	Water holding capacity (Field capacity at 60 cm hydrostatic head)
<b>Nut.ret</b>	Nutrient retention capacity (Cation exchange capacity [CEC]; mmolc per 1 kg soil)
<b>N.min</b>	Soil net nitrogen mineralization (mg N kg <sup>-1</sup> soil d <sup>-1</sup> )
<b>r<sup>2</sup></b>	Explained variation of overall EMF ("Pseudo r <sup>2</sup> ")
<b>BIC</b>	Bayesian information criteria
<b>ΔBIC.overall</b>	Difference in BIC units to the lowest ranked model across all possible combinations
<b>ΔBIC.cluster</b>	Difference in BIC units to the lowest ranked model within series of alternative models (EMF.x)
<b>Cost</b>	Cost categorization according to effort, infrastructure and expert knowledge needed for assessment
<b>best.r<sup>2</sup></b>	Highest explained variation of overall EMF at lowest Cost within combination cluster
<b>best.cost</b>	Lowest Cost at highest explained variation of overall EMF within combination cluster





EMF.10.035	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.036	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.037	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.10.038	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.039	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.040	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.10.041	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.042	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.10.043	EMF.10	10	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.044	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.045	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.046	EMF.10	10	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.047	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.048	EMF.10	10			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.049	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.050	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.10.051	EMF.10	10	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.052	EMF.10	10	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.053	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.054	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.055	EMF.10	10	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.056	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.10.057	EMF.10	10	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.058	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.10.059	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.10.060	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.10.061	EMF.10	10	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.062	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.063	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.10.064	EMF.10	10	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.065	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.10.066	EMF.10	10	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.067	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.068	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.10.069	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.10.070	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.10.071	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.10.072	EMF.10	10		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.073	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.074	EMF.10	10	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.075	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.076	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.10.077	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.10.078	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.079	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.080	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.081	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.082	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.10.083	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.10.084	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.10.085	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.086	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.087	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.088	EMF.10	10	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.089	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.10.090	EMF.10	10	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.091	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.10.092	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.10.093	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.10.094	EMF.10	10			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.095	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.096	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.097	EMF.10	10	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret

EMF.10.098	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG				Nut.ret
EMF.10.099	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.100	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.101	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG				Nut.ret
EMF.10.102	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor			Nut.ret
EMF.10.103	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor			Nut.ret
EMF.10.104	EMF.10	10	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.105	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap		Nut.ret
EMF.10.106	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.107	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap		Nut.ret
EMF.10.108	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.10.109	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor			Nut.ret
EMF.10.110	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG				Nut.ret
EMF.10.111	EMF.10	10			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.112	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap		Nut.ret
EMF.10.113	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap		Nut.ret
EMF.10.114	EMF.10	10	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.115	EMF.10	10				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.116	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor			Nut.ret
EMF.10.117	EMF.10	10		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap		Nut.ret
EMF.10.118	EMF.10	10			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.119	EMF.10	10	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.120	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.10.121	EMF.10	10			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.122	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.123	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.10.124	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.125	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG				Nut.ret
EMF.10.126	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor			Nut.ret
EMF.10.127	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap		Nut.ret
EMF.10.128	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.10.129	EMF.10	10	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.10.130	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG				Nut.ret
EMF.10.131	EMF.10	10	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.132	EMF.10	10		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.133	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.134	EMF.10	10	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.135	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap		Nut.ret
EMF.10.136	EMF.10	10	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.137	EMF.10	10			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.138	EMF.10	10		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.139	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.140	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG				Nut.ret
EMF.10.141	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap		Nut.ret
EMF.10.142	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap		
EMF.10.143	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap		Nut.ret
EMF.10.144	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap		
EMF.10.145	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor			Nut.ret
EMF.10.146	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor			Nut.ret
EMF.10.147	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.148	EMF.10	10		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.149	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor	H2O.cap		Nut.ret
EMF.10.150	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.10.151	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.152	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor			Nut.ret
EMF.10.153	EMF.10	10	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		Nut.ret
EMF.10.154	EMF.10	10	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.155	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor	H2O.cap		Nut.ret
EMF.10.156	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor			Nut.ret
EMF.10.157	EMF.10	10	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.158	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor	H2O.cap		Nut.ret
EMF.10.159	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor			Nut.ret
EMF.10.160	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap		Nut.ret



EMF.10.161	EMF.10	10	Ri.AG		Ri.Plant	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.162	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.10.163	EMF.10	10		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.164	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.10.165	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.10.166	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	
EMF.10.167	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.168	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.169	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.170	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.171	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.172	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap
EMF.10.173	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	
EMF.10.174	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.175	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.176	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	Nut.ret
EMF.10.177	EMF.10	10		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.178	EMF.10	10	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.179	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.180	EMF.10	10		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.181	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.182	EMF.10	10		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.183	EMF.10	10		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.10.184	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.185	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.186	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap
EMF.10.187	EMF.10	10	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.188	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap
EMF.10.189	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.190	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.191	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	Nut.ret
EMF.10.192	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.10.193	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.10.194	EMF.10	10		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.10.195	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.196	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.197	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.198	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	
EMF.10.199	EMF.10	10		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.200	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.10.201	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.202	EMF.10	10			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.10.203	EMF.10	10			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.204	EMF.10	10	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.10.205	EMF.10	10	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.206	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.207	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.208	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.10.209	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	H2O.cap
EMF.10.210	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.211	EMF.10	10		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.212	EMF.10	10		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.213	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.10.214	EMF.10	10		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.215	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap
EMF.10.216	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.10.217	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap
EMF.10.218	EMF.10	10		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.10.219	EMF.10	10		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.220	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.10.221	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.10.222	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.10.223	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap

EMF.10.224	EMF.10	10	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.10.225	EMF.10	10	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	Nut.ret		
EMF.10.226	EMF.10	10	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.10.227	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.10.228	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.10.229	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.10.230	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	Nut.ret	
EMF.10.231	EMF.10	10			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.232	EMF.10	10	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.10.233	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.10.234	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.10.235	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.10.236	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.237	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.238	EMF.10	10			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.239	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.240	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.241	EMF.10	10	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.242	EMF.10	10	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.243	EMF.10	10	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.10.244	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.10.245	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.246	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.247	EMF.10	10		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.248	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.249	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.10.250	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.251	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.252	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.253	EMF.10	10		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.254	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.255	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.256	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.257	EMF.10	10	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.258	EMF.10	10	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.259	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.260	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.261	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.262	EMF.10	10	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.263	EMF.10	10		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.264	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.10.265	EMF.10	10	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.266	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.10.267	EMF.10	10		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.268	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.10.269	EMF.10	10		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.270	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.271	EMF.10	10	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.272	EMF.10	10		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.273	EMF.10	10		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.274	EMF.10	10	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.275	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.276	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.10.277	EMF.10	10		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.278	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.10.279	EMF.10	10		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.280	EMF.10	10		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.10.281	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.282	EMF.10	10		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.283	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.10.284	EMF.10	10	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.10.285	EMF.10	10	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.10.286	EMF.10	10	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret

EMF.9.0001	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0002	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0003	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.9.0004	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0005	EMF.9	9	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0006	EMF.9	9	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0007	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0008	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.9.0009	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0010	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0011	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.9.0012	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap
EMF.9.0013	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0014	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0015	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	Nut.ret
EMF.9.0016	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.9.0017	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor	H2O.cap
EMF.9.0018	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor	H2O.cap
EMF.9.0019	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0020	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.9.0021	EMF.9	9	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0022	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.AG		C.stor	H2O.cap
EMF.9.0023	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	Nut.ret
EMF.9.0024	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0025	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0026	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0027	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0028	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.9.0029	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0030	EMF.9	9	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0031	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap
EMF.9.0032	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	Nut.ret
EMF.9.0033	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0034	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0035	EMF.9	9	Ri.AG		Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0036	EMF.9	9	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0037	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0038	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap
EMF.9.0039	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0040	EMF.9	9	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0041	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0042	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0043	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor	H2O.cap
EMF.9.0044	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap
EMF.9.0045	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	Nut.ret
EMF.9.0046	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0047	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0048	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.9.0049	EMF.9	9	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0050	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.9.0051	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.9.0052	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap
EMF.9.0053	EMF.9	9	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0054	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0055	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap
EMF.9.0056	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0057	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0058	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.9.0059	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0060	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.9.0061	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0062	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				Nut.ret
EMF.9.0063	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	Nut.ret



EMF.9.0064	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret
EMF.9.0065	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.9.0066	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0067	EMF.9	9			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0068	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0069	EMF.9	9	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0070	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			Nut.ret
EMF.9.0071	EMF.9	9	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.9.0072	EMF.9	9		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0073	EMF.9	9	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0074	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		H2O.cap	Nut.ret
EMF.9.0075	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0076	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0077	EMF.9	9	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0078	EMF.9	9	Ri.AG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0079	EMF.9	9		Ri.BG	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0080	EMF.9	9	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0081	EMF.9	9	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0082	EMF.9	9	Ri.AG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0083	EMF.9	9	Ri.AG	Ri.BG	Veg.str			FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0084	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	Nut.ret
EMF.9.0085	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0086	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het			FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.9.0087	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.9.0088	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap
EMF.9.0089	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0090	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0091	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0092	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG			C.stor		Nut.ret
EMF.9.0093	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap
EMF.9.0094	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.9.0095	EMF.9	9		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0096	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG		C.stor	Nut.ret
EMF.9.0097	EMF.9	9	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0098	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	Nut.ret
EMF.9.0099	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.9.0100	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.9.0101	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.9.0102	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.9.0103	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0104	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.9.0105	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret
EMF.9.0106	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.9.0107	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.9.0108	EMF.9	9	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0109	EMF.9	9		Ri.BG	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0110	EMF.9	9	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0111	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0112	EMF.9	9	Ri.AG		Veg.str				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0113	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.9.0114	EMF.9	9	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0115	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.9.0116	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor	Nut.ret
EMF.9.0117	EMF.9	9	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0118	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	Nut.ret
EMF.9.0119	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret
EMF.9.0120	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		Nut.ret
EMF.9.0121	EMF.9	9		Ri.Plant	Veg.str	Soil.het			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.9.0122	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.9.0123	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0124	EMF.9	9		Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0125	EMF.9	9		Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0126	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	Nut.ret

EMF.9.0127	EMF.9	9	Ri.AG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.9.0128	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor		Nut.ret	
EMF.9.0129	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.9.0130	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.9.0131	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	Nut.ret	
EMF.9.0132	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0133	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0134	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0135	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.9.0136	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0137	EMF.9	9	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0138	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	
EMF.9.0139	EMF.9	9	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0140	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.9.0141	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.9.0142	EMF.9	9			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0143	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0144	EMF.9	9				Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0145	EMF.9	9	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0146	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.9.0147	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0148	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0149	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0150	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0151	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0152	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0153	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.9.0154	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	
EMF.9.0155	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor		Nut.ret
EMF.9.0156	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.9.0157	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	
EMF.9.0158	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0159	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0160	EMF.9	9				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0161	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.9.0162	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0163	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.9.0164	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret
EMF.9.0165	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0166	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0167	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG			Nut.ret
EMF.9.0168	EMF.9	9	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0169	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.9.0170	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0171	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0172	EMF.9	9				Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0173	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0174	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0175	EMF.9	9		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0176	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0177	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0178	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0179	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0180	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0181	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG				Nut.ret
EMF.9.0182	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.9.0183	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0184	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor		Nut.ret
EMF.9.0185	EMF.9	9			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0186	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0187	EMF.9	9	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0188	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0189	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	

EMF.9.0190	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap		
EMF.9.0191	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			Nut.ret	
EMF.9.0192	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.9.0193	EMF.9	9				Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0194	EMF.9	9	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0195	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0196	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0197	EMF.9	9	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0198	EMF.9	9	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0199	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.9.0200	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0201	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			H2O.cap	
EMF.9.0202	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0203	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0204	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0205	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0206	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0207	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0208	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.9.0209	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0210	EMF.9	9	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0211	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor		
EMF.9.0212	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0213	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0214	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0215	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG				H2O.cap	Nut.ret
EMF.9.0216	EMF.9	9		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0217	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0218	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.9.0219	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0220	EMF.9	9			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0221	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0222	EMF.9	9			Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0223	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0224	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0225	EMF.9	9		Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0226	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0227	EMF.9	9			Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0228	EMF.9	9	Ri.AG		Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0229	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0230	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0231	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	
EMF.9.0232	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0233	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0234	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0235	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.9.0236	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0237	EMF.9	9	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0238	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor		Nut.ret
EMF.9.0239	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.9.0240	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.9.0241	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0242	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	
EMF.9.0243	EMF.9	9		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0244	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0245	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0246	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0247	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret
EMF.9.0248	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG			Nut.ret
EMF.9.0249	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0250	EMF.9	9	Ri.AG			Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0251	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	
EMF.9.0252	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret

EMF.9.0253	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor	H2O.cap		
EMF.9.0254	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0255	EMF.9	9		Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0256	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0257	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0258	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0259	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0260	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.9.0261	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.9.0262	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.9.0263	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0264	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0265	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0266	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0267	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0268	EMF.9	9		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0269	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap	
EMF.9.0270	EMF.9	9		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0271	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0272	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.9.0273	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0274	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0275	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor		
EMF.9.0276	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.9.0277	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0278	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0279	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0280	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0281	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0282	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0283	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG					H2O.cap	Nut.ret
EMF.9.0284	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0285	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret
EMF.9.0286	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0287	EMF.9	9		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0288	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG			Nut.ret
EMF.9.0289	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0290	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor		
EMF.9.0291	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0292	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.9.0293	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.9.0294	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0295	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0296	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0297	EMF.9	9				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0298	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.9.0299	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0300	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0301	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0302	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0303	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0304	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0305	EMF.9	9			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0306	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0307	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0308	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.9.0309	EMF.9	9		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0310	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0311	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0312	EMF.9	9		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0313	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0314	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0315	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	

EMF.9.0316	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0317	EMF.9	9	Ri.AG		Ri.Plant	Soil.het		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0318	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0319	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0320	EMF.9	9	Ri.AG		Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0321	EMF.9	9		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0322	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0323	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0324	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0325	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0326	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0327	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0328	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0329	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0330	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.9.0331	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.9.0332	EMF.9	9			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0333	EMF.9	9	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0334	EMF.9	9		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0335	EMF.9	9		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0336	EMF.9	9			Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0337	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor		Nut.ret
EMF.9.0338	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.9.0339	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0340	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0341	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0342	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor		
EMF.9.0343	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0344	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0345	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0346	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0347	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.9.0348	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0349	EMF.9	9		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0350	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.9.0351	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0352	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor		
EMF.9.0353	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0354	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0355	EMF.9	9	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0356	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.9.0357	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0358	EMF.9	9				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0359	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0360	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0361	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0362	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0363	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG				Nut.ret
EMF.9.0364	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0365	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.9.0366	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.9.0367	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0368	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0369	EMF.9	9		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0370	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0371	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0372	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0373	EMF.9	9	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.9.0374	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0375	EMF.9	9			Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0376	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0377	EMF.9	9			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0378	EMF.9	9			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret



EMF.9.0379	EMF.9	9	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret		
EMF.9.0380	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret		
EMF.9.0381	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap			
EMF.9.0382	EMF.9	9			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0383	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG			FW.BG	C.stor			
EMF.9.0384	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap			
EMF.9.0385	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0386	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor			
EMF.9.0387	EMF.9	9		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap		
EMF.9.0388	EMF.9	9		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0389	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0390	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0391	EMF.9	9		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.9.0392	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.9.0393	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0394	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			FW.BG	H2O.cap	Nut.ret	
EMF.9.0395	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor	Nut.ret		
EMF.9.0396	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant					FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0397	EMF.9	9		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.9.0398	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor	Nut.ret		
EMF.9.0399	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor			
EMF.9.0400	EMF.9	9	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.9.0401	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			FW.BG	H2O.cap	Nut.ret	
EMF.9.0402	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.9.0403	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0404	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap		
EMF.9.0405	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0406	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0407	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap			
EMF.9.0408	EMF.9	9	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.9.0409	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0410	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.9.0411	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			FW.BG	C.stor	H2O.cap	
EMF.9.0412	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret		
EMF.9.0413	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG			C.stor	H2O.cap	Nut.ret	
EMF.9.0414	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	Nut.ret		
EMF.9.0415	EMF.9	9			Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0416	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het					C.stor	H2O.cap	Nut.ret	
EMF.9.0417	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	Nut.ret		
EMF.9.0418	EMF.9	9	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap	Nut.ret		
EMF.9.0419	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	H2O.cap	Nut.ret		
EMF.9.0420	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor	Nut.ret		
EMF.9.0421	EMF.9	9		Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0422	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor			
EMF.9.0423	EMF.9	9	Ri.AG				Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0424	EMF.9	9			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.9.0425	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0426	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap			
EMF.9.0427	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.9.0428	EMF.9	9	Ri.AG			Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0429	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	Nut.ret		
EMF.9.0430	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0431	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret		
EMF.9.0432	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.9.0433	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor			
EMF.9.0434	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap			
EMF.9.0435	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0436	EMF.9	9		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0437	EMF.9	9	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0438	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.9.0439	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret		
EMF.9.0440	EMF.9	9				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.9.0441	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		

EMF.9.0442	EMF.9	9	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap			
EMF.9.0443	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap			
EMF.9.0444	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.9.0445	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.9.0446	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret	
EMF.9.0447	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0448	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.9.0449	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor	Nut.ret	
EMF.9.0450	EMF.9	9		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.9.0451	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.9.0452	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.9.0453	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0454	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	
EMF.9.0455	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0456	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor	Nut.ret	
EMF.9.0457	EMF.9	9	Ri.AG		Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0458	EMF.9	9	Ri.AG			Soil.het	FD.AG			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0459	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.9.0460	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0461	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	
EMF.9.0462	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0463	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor	Nut.ret	
EMF.9.0464	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			FW.BG		H2O.cap	Nut.ret
EMF.9.0465	EMF.9	9		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0466	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0467	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG		H2O.cap	Nut.ret
EMF.9.0468	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0469	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.9.0470	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0471	EMF.9	9		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0472	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0473	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0474	EMF.9	9	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0475	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0476	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.9.0477	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0478	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0479	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.9.0480	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0481	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0482	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.9.0483	EMF.9	9	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0484	EMF.9	9	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.9.0485	EMF.9	9	Ri.AG	Ri.BG			Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0486	EMF.9	9	Ri.AG					FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0487	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0488	EMF.9	9		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0489	EMF.9	9	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0490	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.9.0491	EMF.9	9		Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0492	EMF.9	9	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0493	EMF.9	9		Ri.Plant	Veg.str	Soil.het			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0494	EMF.9	9	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0495	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	Nut.ret	
EMF.9.0496	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret
EMF.9.0497	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.9.0498	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.9.0499	EMF.9	9			Veg.str	Soil.het	FD.AG			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0500	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.9.0501	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	Nut.ret	
EMF.9.0502	EMF.9	9	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.9.0503	EMF.9	9	Ri.AG	Ri.BG		Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0504	EMF.9	9		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	

EMF.9.0505	EMF.9	9	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.9.0506	EMF.9	9	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap
EMF.9.0507	EMF.9	9	Ri.AG	Ri.BG	Veg.str			FD.BG	FW.AG	FW.BG	C.stor
EMF.9.0508	EMF.9	9		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.9.0509	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor
EMF.9.0510	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG	C.stor
EMF.9.0511	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.9.0512	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor
EMF.9.0513	EMF.9	9		Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG		C.stor
EMF.9.0514	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	H2O.cap
EMF.9.0515	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het		FD.BG		FW.BG	C.stor
EMF.9.0516	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het		FD.BG		FW.BG	C.stor
EMF.9.0517	EMF.9	9	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.9.0518	EMF.9	9	Ri.AG		Ri.Plant			FD.AG	FD.BG		FW.BG
EMF.9.0519	EMF.9	9	Ri.AG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor
EMF.9.0520	EMF.9	9	Ri.AG	Ri.BG				FD.BG	FW.AG	FW.BG	C.stor
EMF.9.0521	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.9.0522	EMF.9	9	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap
EMF.9.0523	EMF.9	9		Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor
EMF.9.0524	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG	C.stor
EMF.9.0525	EMF.9	9		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	
EMF.9.0526	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG
EMF.9.0527	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor
EMF.9.0528	EMF.9	9	Ri.AG	Ri.BG	Veg.str				FW.AG	FW.BG	C.stor
EMF.9.0529	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.9.0530	EMF.9	9		Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor
EMF.9.0531	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG
EMF.9.0532	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG
EMF.9.0533	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	
EMF.9.0534	EMF.9	9		Ri.BG	Veg.str			FD.AG	FD.BG	FW.AG	FW.BG
EMF.9.0535	EMF.9	9	Ri.AG	Ri.BG	Veg.str			FD.AG		FW.AG	FW.BG
EMF.9.0536	EMF.9	9		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG
EMF.9.0537	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG				C.stor
EMF.9.0538	EMF.9	9		Ri.BG	Veg.str	Soil.het			FW.AG	FW.BG	C.stor
EMF.9.0539	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor
EMF.9.0540	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.9.0541	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG
EMF.9.0542	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor
EMF.9.0543	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG			FW.BG	H2O.cap
EMF.9.0544	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor
EMF.9.0545	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		C.stor
EMF.9.0546	EMF.9	9		Ri.Plant	Veg.str			FD.AG	FD.BG	FW.AG	FW.BG
EMF.9.0547	EMF.9	9		Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.9.0548	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap
EMF.9.0549	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG
EMF.9.0550	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	
EMF.9.0551	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor
EMF.9.0552	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.9.0553	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG
EMF.9.0554	EMF.9	9		Ri.Plant	Veg.str			FD.AG		FW.AG	FW.BG
EMF.9.0555	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het			FW.AG	FW.BG	C.stor
EMF.9.0556	EMF.9	9	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG
EMF.9.0557	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG
EMF.9.0558	EMF.9	9	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG
EMF.9.0559	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		C.stor
EMF.9.0560	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	
EMF.9.0561	EMF.9	9		Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG
EMF.9.0562	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG
EMF.9.0563	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG
EMF.9.0564	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG
EMF.9.0565	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG
EMF.9.0566	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG
EMF.9.0567	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG



EMF.9.0568	EMF.9	9	Ri.AG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0569	EMF.9	9	Ri.AG	Ri.BG	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0570	EMF.9	9		Ri.BG Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0571	EMF.9	9		Ri.BG	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0572	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0573	EMF.9	9	Ri.AG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0574	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	
EMF.9.0575	EMF.9	9	Ri.AG	Ri.BG	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0576	EMF.9	9	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0577	EMF.9	9		Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap Nut.ret
EMF.9.0578	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	
EMF.9.0579	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0580	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap Nut.ret
EMF.9.0581	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.9.0582	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	Nut.ret
EMF.9.0583	EMF.9	9	Ri.AG	Ri.BG Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.9.0584	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		Nut.ret
EMF.9.0585	EMF.9	9		Ri.BG Ri.Plant	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0586	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	
EMF.9.0587	EMF.9	9		Ri.BG Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap Nut.ret
EMF.9.0588	EMF.9	9		Ri.BG Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.9.0589	EMF.9	9	Ri.AG	Ri.BG	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0590	EMF.9	9		Ri.BG	Soil.het			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0591	EMF.9	9	Ri.AG	Ri.BG	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0592	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Soil.het		FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0593	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	
EMF.9.0594	EMF.9	9		Ri.BG Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0595	EMF.9	9		Ri.BG Ri.Plant	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0596	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.9.0597	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor		Nut.ret
EMF.9.0598	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0599	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret
EMF.9.0600	EMF.9	9		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0601	EMF.9	9		Ri.BG Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0602	EMF.9	9		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0603	EMF.9	9		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.9.0604	EMF.9	9		Ri.BG	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		H2O.cap
EMF.9.0605	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Soil.het			FD.BG		FW.BG		H2O.cap Nut.ret
EMF.9.0606	EMF.9	9	Ri.AG	Ri.BG Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0607	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Soil.het			FD.BG		FW.BG	C.stor	H2O.cap
EMF.9.0608	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		
EMF.9.0609	EMF.9	9		Ri.BG Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0610	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0611	EMF.9	9	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0612	EMF.9	9	Ri.AG	Ri.BG Ri.Plant			FD.AG			FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0613	EMF.9	9		Ri.BG Ri.Plant	Soil.het	FD.AG	FD.BG				C.stor	H2O.cap Nut.ret
EMF.9.0614	EMF.9	9	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap
EMF.9.0615	EMF.9	9		Ri.BG Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.9.0616	EMF.9	9	Ri.AG	Ri.BG	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0617	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap Nut.ret
EMF.9.0618	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Soil.het			FD.BG		FW.BG	C.stor	H2O.cap Nut.ret
EMF.9.0619	EMF.9	9		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0620	EMF.9	9	Ri.AG	Ri.BG Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0621	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		
EMF.9.0622	EMF.9	9	Ri.AG	Ri.BG Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	Nut.ret
EMF.9.0623	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap Nut.ret
EMF.9.0624	EMF.9	9		Ri.BG Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0625	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	
EMF.9.0626	EMF.9	9		Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.9.0627	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.9.0628	EMF.9	9	Ri.AG	Ri.BG Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0629	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	Nut.ret
EMF.9.0630	EMF.9	9	Ri.AG	Ri.BG Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		

EMF.9.0631	EMF.9	9	Ri.AG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.9.0632	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.9.0633	EMF.9	9		Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0634	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.9.0635	EMF.9	9	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG				
EMF.9.0636	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret	
EMF.9.0637	EMF.9	9	Ri.AG		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0638	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0639	EMF.9	9		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0640	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.9.0641	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.9.0642	EMF.9	9		Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0643	EMF.9	9	Ri.AG		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0644	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor			
EMF.9.0645	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0646	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0647	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				
EMF.9.0648	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0649	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.9.0650	EMF.9	9	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor			
EMF.9.0651	EMF.9	9	Ri.AG		Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0652	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0653	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0654	EMF.9	9	Ri.AG		Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0655	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0656	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor		
EMF.9.0657	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0658	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor			
EMF.9.0659	EMF.9	9	Ri.AG		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0660	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0661	EMF.9	9	Ri.AG		Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0662	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap		
EMF.9.0663	EMF.9	9	Ri.AG		Ri.BG		Veg.str	Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0664	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor			
EMF.9.0665	EMF.9	9			Ri.Plant			Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0666	EMF.9	9	Ri.AG					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0667	EMF.9	9	Ri.AG		Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0668	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0669	EMF.9	9	Ri.AG		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.9.0670	EMF.9	9		Ri.BG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0671	EMF.9	9		Ri.BG				Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0672	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor		
EMF.9.0673	EMF.9	9	Ri.AG		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0674	EMF.9	9	Ri.AG		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.9.0675	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0676	EMF.9	9	Ri.AG		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.9.0677	EMF.9	9	Ri.AG		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0678	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0679	EMF.9	9		Ri.BG	Ri.Plant	Veg.str			FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0680	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str					FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0681	EMF.9	9		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.9.0682	EMF.9	9	Ri.AG		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0683	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0684	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.9.0685	EMF.9	9	Ri.AG		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0686	EMF.9	9		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0687	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor		
EMF.9.0688	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0689	EMF.9	9	Ri.AG		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0690	EMF.9	9		Ri.BG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0691	EMF.9	9	Ri.AG		Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.9.0692	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.9.0693	EMF.9	9	Ri.AG		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		

EMF.9.0694	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0695	EMF.9	9		Ri.BG	Ri.Plant		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0696	EMF.9	9	Ri.AG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0697	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.9.0698	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0699	EMF.9	9		Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0700	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.9.0701	EMF.9	9	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.9.0702	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.9.0703	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.9.0704	EMF.9	9	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		
EMF.9.0705	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.9.0706	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0707	EMF.9	9	Ri.AG	Ri.BG			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0708	EMF.9	9		Ri.BG	Ri.Plant	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0709	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.9.0710	EMF.9	9		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0711	EMF.9	9		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.9.0712	EMF.9	9		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.9.0713	EMF.9	9		Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0714	EMF.9	9	Ri.AG	Ri.BG		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.9.0715	EMF.9	9	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0001	EMF.8	8	Ri.AG		Ri.Plant	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.8.0002	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	C.stor	H2O.cap	
EMF.8.0003	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	C.stor	H2O.cap	
EMF.8.0004	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	C.stor	H2O.cap	
EMF.8.0005	EMF.8	8	Ri.AG		Ri.Plant	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0006	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.AG		C.stor	H2O.cap	
EMF.8.0007	EMF.8	8	Ri.AG		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0008	EMF.8	8	Ri.AG		Ri.Plant	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0009	EMF.8	8	Ri.AG		Ri.Plant	Soil.het			FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0010	EMF.8	8	Ri.AG		Ri.Plant	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0011	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	
EMF.8.0012	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	C.stor	H2O.cap	Nut.ret
EMF.8.0013	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0014	EMF.8	8	Ri.AG		Ri.Plant	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0015	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor	H2O.cap	
EMF.8.0016	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0017	EMF.8	8	Ri.AG		Ri.Plant	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0018	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.8.0019	EMF.8	8	Ri.AG		Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0020	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	C.stor	H2O.cap	
EMF.8.0021	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor		Nut.ret
EMF.8.0022	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0023	EMF.8	8	Ri.AG		Ri.Plant	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0024	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0025	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0026	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	C.stor	H2O.cap	
EMF.8.0027	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	
EMF.8.0028	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	C.stor	H2O.cap	
EMF.8.0029	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor	H2O.cap	
EMF.8.0030	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor		Nut.ret
EMF.8.0031	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0032	EMF.8	8	Ri.AG			Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0033	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.AG		H2O.cap	Nut.ret	
EMF.8.0034	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	C.stor	H2O.cap	
EMF.8.0035	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor	H2O.cap	
EMF.8.0036	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.8.0037	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG		H2O.cap	Nut.ret
EMF.8.0038	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret
EMF.8.0039	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret
EMF.8.0040	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor	H2O.cap	
EMF.8.0041	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG		H2O.cap	Nut.ret	

EMF.8.0042	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor	Nut.ret	
EMF.8.0043	EMF.8	8	Ri.AG		Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0044	EMF.8	8			Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0045	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.0046	EMF.8	8	Ri.AG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0047	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor		Nut.ret
EMF.8.0048	EMF.8	8			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0049	EMF.8	8	Ri.AG	Ri.Plant		Soil.het		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0050	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret
EMF.8.0051	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0052	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0053	EMF.8	8			Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0054	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor		Nut.ret
EMF.8.0055	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.8.0056	EMF.8	8	Ri.AG	Ri.Plant		Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0057	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0058	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.8.0059	EMF.8	8	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0060	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0061	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG		C.stor		Nut.ret
EMF.8.0062	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0063	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0064	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	
EMF.8.0065	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret
EMF.8.0066	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.0067	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor		Nut.ret
EMF.8.0068	EMF.8	8	Ri.AG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0069	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.8.0070	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG			Nut.ret
EMF.8.0071	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0072	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0073	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	
EMF.8.0074	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG					Nut.ret
EMF.8.0075	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0076	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor	H2O.cap	
EMF.8.0077	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0078	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor		
EMF.8.0079	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.8.0080	EMF.8	8	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0081	EMF.8	8	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0082	EMF.8	8	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0083	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG				Nut.ret
EMF.8.0084	EMF.8	8	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0085	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret
EMF.8.0086	EMF.8	8			Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0087	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG				Nut.ret
EMF.8.0088	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0089	EMF.8	8	Ri.AG	Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0090	EMF.8	8	Ri.AG	Ri.Plant				FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0091	EMF.8	8		Ri.BG		Veg.str		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0092	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG			H2O.cap	Nut.ret
EMF.8.0093	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.8.0094	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG				Nut.ret
EMF.8.0095	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0096	EMF.8	8	Ri.AG	Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0097	EMF.8	8	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.8.0098	EMF.8	8			Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0099	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			Nut.ret
EMF.8.0100	EMF.8	8	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0101	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0102	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0103	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG			Nut.ret
EMF.8.0104	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret

EMF.8.0105	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	FD.AG	FW.AG	C.stor	H2O.cap	
EMF.8.0106	EMF.8	8	Ri.AG	Ri.Plant	Soil.het	FD.AG	FW.AG	FW.BG		Nut.ret
EMF.8.0107	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	Nut.ret
EMF.8.0108	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		H2O.cap
EMF.8.0109	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	C.stor	H2O.cap
EMF.8.0110	EMF.8	8	Ri.AG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0111	EMF.8	8		Ri.Plant	Veg.str	FD.AG	FD.BG		C.stor	H2O.cap
EMF.8.0112	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FW.AG		C.stor
EMF.8.0113	EMF.8	8		Ri.BG	Veg.str	FD.AG	FD.BG	FW.AG		C.stor
EMF.8.0114	EMF.8	8	Ri.AG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	H2O.cap
EMF.8.0115	EMF.8	8		Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		C.stor
EMF.8.0116	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	Nut.ret
EMF.8.0117	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG
EMF.8.0118	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG	C.stor
EMF.8.0119	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.AG	FW.AG	FW.BG
EMF.8.0120	EMF.8	8	Ri.AG		Veg.str			FD.BG	FW.AG	FW.BG
EMF.8.0121	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor
EMF.8.0122	EMF.8	8			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.8.0123	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG	
EMF.8.0124	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	H2O.cap
EMF.8.0125	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.8.0126	EMF.8	8	Ri.AG		Veg.str		FD.AG	FD.BG	FW.BG	C.stor
EMF.8.0127	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0128	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	
EMF.8.0129	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	
EMF.8.0130	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0131	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.8.0132	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0133	EMF.8	8			Veg.str		Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0134	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG
EMF.8.0135	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG
EMF.8.0136	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		Nut.ret
EMF.8.0137	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.8.0138	EMF.8	8		Ri.BG	Veg.str		Soil.het	FD.AG	FD.BG	
EMF.8.0139	EMF.8	8	Ri.AG		Veg.str	Soil.het		FD.AG	FW.AG	
EMF.8.0140	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	
EMF.8.0141	EMF.8	8			Veg.str		Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0142	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0143	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.8.0144	EMF.8	8	Ri.AG	Ri.Plant			Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0145	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	
EMF.8.0146	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.AG	FD.BG	FW.AG
EMF.8.0147	EMF.8	8	Ri.AG	Ri.Plant			Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0148	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0149	EMF.8	8	Ri.AG		Veg.str	Soil.het		FD.AG	FD.BG	FW.AG
EMF.8.0150	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	
EMF.8.0151	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG
EMF.8.0152	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.8.0153	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	
EMF.8.0154	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.8.0155	EMF.8	8		Ri.Plant	Veg.str		Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0156	EMF.8	8	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor
EMF.8.0157	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	
EMF.8.0158	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		C.stor
EMF.8.0159	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	
EMF.8.0160	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG		C.stor
EMF.8.0161	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor
EMF.8.0162	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	
EMF.8.0163	EMF.8	8		Ri.BG	Veg.str	Soil.het		FD.AG	FD.BG	FW.AG
EMF.8.0164	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	
EMF.8.0165	EMF.8	8	Ri.AG		Veg.str		Soil.het	FD.AG	FD.BG	FW.AG
EMF.8.0166	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		C.stor
EMF.8.0167	EMF.8	8			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	



EMF.8.0168	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			Nut.ret
EMF.8.0169	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	
EMF.8.0170	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.8.0171	EMF.8	8	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap
EMF.8.0172	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor	Nut.ret
EMF.8.0173	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG		H2O.cap
EMF.8.0174	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor	H2O.cap
EMF.8.0175	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0176	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	C.stor	H2O.cap
EMF.8.0177	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	Nut.ret
EMF.8.0178	EMF.8	8				Veg.str		FD.AG	FD.BG		FW.BG	C.stor
EMF.8.0179	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor	H2O.cap
EMF.8.0180	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor
EMF.8.0181	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	C.stor	H2O.cap
EMF.8.0182	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.0183	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	C.stor	H2O.cap
EMF.8.0184	EMF.8	8	Ri.AG			Veg.str			FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0185	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	C.stor	H2O.cap
EMF.8.0186	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor	Nut.ret
EMF.8.0187	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap
EMF.8.0188	EMF.8	8	Ri.AG		Ri.Plant			FD.AG		FW.AG	C.stor	H2O.cap
EMF.8.0189	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	H2O.cap
EMF.8.0190	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor	H2O.cap
EMF.8.0191	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor	Nut.ret
EMF.8.0192	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor	H2O.cap
EMF.8.0193	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		C.stor	Nut.ret
EMF.8.0194	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.8.0195	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor
EMF.8.0196	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		H2O.cap
EMF.8.0197	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG			C.stor	H2O.cap
EMF.8.0198	EMF.8	8			Ri.Plant	Veg.str	Soil.het			FW.AG	C.stor	H2O.cap
EMF.8.0199	EMF.8	8	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0200	EMF.8	8	Ri.AG		Ri.Plant	Veg.str				FW.AG	C.stor	H2O.cap
EMF.8.0201	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		C.stor	H2O.cap
EMF.8.0202	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.0203	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.8.0204	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.8.0205	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0206	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	C.stor	H2O.cap
EMF.8.0207	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				Nut.ret
EMF.8.0208	EMF.8	8	Ri.AG		Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor
EMF.8.0209	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	C.stor	H2O.cap
EMF.8.0210	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	Nut.ret
EMF.8.0211	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			H2O.cap
EMF.8.0212	EMF.8	8			Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0213	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap
EMF.8.0214	EMF.8	8	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap
EMF.8.0215	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG		FW.BG	C.stor
EMF.8.0216	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	C.stor	H2O.cap
EMF.8.0217	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	Nut.ret
EMF.8.0218	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		H2O.cap
EMF.8.0219	EMF.8	8			Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor
EMF.8.0220	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	C.stor	
EMF.8.0221	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap
EMF.8.0222	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap
EMF.8.0223	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	Nut.ret
EMF.8.0224	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			H2O.cap
EMF.8.0225	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG		FW.BG	C.stor
EMF.8.0226	EMF.8	8	Ri.AG		Ri.Plant				FD.BG	FW.AG	FW.BG	H2O.cap
EMF.8.0227	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		Nut.ret
EMF.8.0228	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0229	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor
EMF.8.0230	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor

EMF.8.0231	EMF.8	8	Ri.BG	Veg.str		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap				
EMF.8.0232	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap			
EMF.8.0233	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	Nut.ret		
EMF.8.0234	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap		
EMF.8.0235	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG				C.stor	Nut.ret		
EMF.8.0236	EMF.8	8	Ri.AG		Ri.Plant	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	Nut.ret		
EMF.8.0237	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG			FW.BG		Nut.ret		
EMF.8.0238	EMF.8	8	Ri.AG		Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret		
EMF.8.0239	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		FD.BG	FW.AG			C.stor	H2O.cap	Nut.ret	
EMF.8.0240	EMF.8	8	Ri.AG		Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0241	EMF.8	8	Ri.AG		Ri.Plant	Soil.het	FD.AG	FD.BG			C.stor		Nut.ret	
EMF.8.0242	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG		H2O.cap	Nut.ret	
EMF.8.0243	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor		
EMF.8.0244	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor	Nut.ret	
EMF.8.0245	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap	Nut.ret	
EMF.8.0246	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.0247	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	Nut.ret	
EMF.8.0248	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	
EMF.8.0249	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor		
EMF.8.0250	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0251	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	Nut.ret	
EMF.8.0252	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor		
EMF.8.0253	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0254	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor		
EMF.8.0255	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		Nut.ret	
EMF.8.0256	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0257	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.8.0258	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.8.0259	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0260	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor		
EMF.8.0261	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0262	EMF.8	8			Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0263	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG				H2O.cap	Nut.ret
EMF.8.0264	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0265	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			H2O.cap	
EMF.8.0266	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0267	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0268	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.8.0269	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	
EMF.8.0270	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG		Nut.ret	
EMF.8.0271	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0272	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0273	EMF.8	8		Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0274	EMF.8	8	Ri.AG		Ri.Plant					FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0275	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0276	EMF.8	8			Veg.str	Soil.het	FD.AG	FD.BG			FW.BG	C.stor	H2O.cap	
EMF.8.0277	EMF.8	8	Ri.AG		Ri.Plant	Veg.str				FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0278	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0279	EMF.8	8			Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0280	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.8.0281	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.0282	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0283	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0284	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0285	EMF.8	8	Ri.AG		Ri.Plant			FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0286	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0287	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor		
EMF.8.0288	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant					FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0289	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG					Nut.ret
EMF.8.0290	EMF.8	8			Veg.str			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0291	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0292	EMF.8	8			Veg.str	Soil.het	FD.AG	FD.BG			FW.BG	C.stor		Nut.ret
EMF.8.0293	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	

EMF.8.0294	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor	H2O.cap		
EMF.8.0295	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.AG	FW.BG	C.stor			
EMF.8.0296	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.8.0297	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.8.0298	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	C.stor		Nut.ret	
EMF.8.0299	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG			H2O.cap	Nut.ret	
EMF.8.0300	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FW.AG		C.stor	H2O.cap		
EMF.8.0301	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor		Nut.ret	
EMF.8.0302	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG				Nut.ret	
EMF.8.0303	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	C.stor	H2O.cap		
EMF.8.0304	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		C.stor	H2O.cap		
EMF.8.0305	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	C.stor	H2O.cap		
EMF.8.0306	EMF.8	8	Ri.AG	Ri.BG			Veg.str	Soil.het	FD.BG		C.stor		Nut.ret	
EMF.8.0307	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.0308	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				Nut.ret	
EMF.8.0309	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap		
EMF.8.0310	EMF.8	8	Ri.AG	Ri.BG			Veg.str		FD.AG	FD.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0311	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG		H2O.cap		
EMF.8.0312	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.0313	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			Nut.ret	
EMF.8.0314	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor			
EMF.8.0315	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.8.0316	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.0317	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG	FW.BG		H2O.cap		
EMF.8.0318	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor		Nut.ret	
EMF.8.0319	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	C.stor	H2O.cap		
EMF.8.0320	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	C.stor		Nut.ret	
EMF.8.0321	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG			Nut.ret	
EMF.8.0322	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			H2O.cap	Nut.ret	
EMF.8.0323	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG	C.stor			
EMF.8.0324	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.8.0325	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	C.stor		Nut.ret	
EMF.8.0326	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			Nut.ret	
EMF.8.0327	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG		H2O.cap	Nut.ret	
EMF.8.0328	EMF.8	8	Ri.AG	Ri.BG			Veg.str		FD.AG	FD.BG	C.stor		Nut.ret	
EMF.8.0329	EMF.8	8	Ri.AG	Ri.BG			Veg.str		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0330	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor			
EMF.8.0331	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor			
EMF.8.0332	EMF.8	8	Ri.AG				Soil.het		FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret	
EMF.8.0333	EMF.8	8		Ri.BG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor	H2O.cap	
EMF.8.0334	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG				Nut.ret	
EMF.8.0335	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			Nut.ret	
EMF.8.0336	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.0337	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0338	EMF.8	8		Ri.BG			Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap	Nut.ret	
EMF.8.0339	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FW.AG			H2O.cap	Nut.ret	
EMF.8.0340	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.0341	EMF.8	8	Ri.AG				Veg.str	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.8.0342	EMF.8	8	Ri.AG				Veg.str	Soil.het	FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.8.0343	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	C.stor		Nut.ret	
EMF.8.0344	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	C.stor	H2O.cap		
EMF.8.0345	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret	
EMF.8.0346	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor	H2O.cap		
EMF.8.0347	EMF.8	8	Ri.AG	Ri.BG			Veg.str	Soil.het		FD.BG		H2O.cap	Nut.ret	
EMF.8.0348	EMF.8	8	Ri.AG				Veg.str		FD.AG	FD.BG	FW.AG	C.stor	Nut.ret	
EMF.8.0349	EMF.8	8	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.0350	EMF.8	8	Ri.AG	Ri.BG			Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.8.0351	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		H2O.cap		
EMF.8.0352	EMF.8	8	Ri.AG				Veg.str	Soil.het	FD.AG		FW.BG	C.stor	Nut.ret	
EMF.8.0353	EMF.8	8			Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0354	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor	H2O.cap	Nut.ret	
EMF.8.0355	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0356	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		



EMF.8.0357	EMF.8	8		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret				
EMF.8.0358	EMF.8	8	Ri.AG	Ri.Plant	Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret				
EMF.8.0359	EMF.8	8		Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret			
EMF.8.0360	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG			C.stor		Nut.ret			
EMF.8.0361	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap				
EMF.8.0362	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FW.AG	FW.BG		H2O.cap				
EMF.8.0363	EMF.8	8			Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG			C.stor	H2O.cap	Nut.ret		
EMF.8.0364	EMF.8	8	Ri.AG			Veg.str	Soil.het		FW.AG	FW.BG		H2O.cap	Nut.ret			
EMF.8.0365	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG			C.stor				
EMF.8.0366	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret		
EMF.8.0367	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap			
EMF.8.0368	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG		H2O.cap			
EMF.8.0369	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			C.stor	Nut.ret		
EMF.8.0370	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG		C.stor	H2O.cap	Nut.ret		
EMF.8.0371	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het						C.stor	H2O.cap	Nut.ret	
EMF.8.0372	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret		
EMF.8.0373	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG			H2O.cap		
EMF.8.0374	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG				H2O.cap	Nut.ret		
EMF.8.0375	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG		C.stor	H2O.cap			
EMF.8.0376	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG			H2O.cap	Nut.ret		
EMF.8.0377	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		C.stor	H2O.cap		
EMF.8.0378	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG			H2O.cap	Nut.ret	
EMF.8.0379	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG				H2O.cap	Nut.ret	
EMF.8.0380	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG			C.stor	H2O.cap	Nut.ret	
EMF.8.0381	EMF.8	8	Ri.AG				Soil.het		FD.BG	FW.AG	FW.BG			C.stor	H2O.cap	
EMF.8.0382	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG					C.stor	H2O.cap	Nut.ret
EMF.8.0383	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG			H2O.cap		
EMF.8.0384	EMF.8	8				Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			H2O.cap	Nut.ret	
EMF.8.0385	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG				Nut.ret		
EMF.8.0386	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG				C.stor	H2O.cap	Nut.ret	
EMF.8.0387	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG				H2O.cap	Nut.ret	
EMF.8.0388	EMF.8	8		Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG		C.stor	H2O.cap	Nut.ret	
EMF.8.0389	EMF.8	8	Ri.AG		Ri.Plant			FD.AG		FW.AG	FW.BG		C.stor	H2O.cap	Nut.ret	
EMF.8.0390	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG				C.stor		
EMF.8.0391	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG						H2O.cap	Nut.ret	
EMF.8.0392	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG		C.stor	H2O.cap		
EMF.8.0393	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			H2O.cap	Nut.ret	
EMF.8.0394	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG				H2O.cap		
EMF.8.0395	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG			C.stor	H2O.cap	
EMF.8.0396	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het							C.stor	H2O.cap	
EMF.8.0397	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG				Nut.ret	
EMF.8.0398	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het							C.stor	Nut.ret	
EMF.8.0399	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG			FW.BG		C.stor	H2O.cap		
EMF.8.0400	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG			C.stor		
EMF.8.0401	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG			H2O.cap	Nut.ret	
EMF.8.0402	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG					C.stor	Nut.ret	
EMF.8.0403	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			C.stor	H2O.cap	
EMF.8.0404	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			H2O.cap	Nut.ret	
EMF.8.0405	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			C.stor	H2O.cap	
EMF.8.0406	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			H2O.cap		
EMF.8.0407	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG			H2O.cap	Nut.ret	
EMF.8.0408	EMF.8	8			Ri.Plant		Soil.het			FW.AG	FW.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0409	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het				FW.BG			C.stor	H2O.cap	
EMF.8.0410	EMF.8	8	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG			C.stor	H2O.cap	
EMF.8.0411	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret		
EMF.8.0412	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG			FW.BG			C.stor	H2O.cap	
EMF.8.0413	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Veg.str		FD.BG	FW.AG				Nut.ret		
EMF.8.0414	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG				C.stor	Nut.ret	
EMF.8.0415	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG			C.stor	H2O.cap	
EMF.8.0416	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG				H2O.cap	Nut.ret	
EMF.8.0417	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			C.stor	Nut.ret	
EMF.8.0418	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG				H2O.cap		
EMF.8.0419	EMF.8	8				Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			H2O.cap	Nut.ret	

EMF.8.0420	EMF.8	8	Ri.AG	Ri.BG	Veg.str		FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.8.0421	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	FD.AG	FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.8.0422	EMF.8	8	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.8.0423	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.BG	C.stor	Nut.ret
EMF.8.0424	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.BG	C.stor	H2O.cap
EMF.8.0425	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FW.AG	FW.BG		H2O.cap
EMF.8.0426	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	H2O.cap
EMF.8.0427	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FW.AG		C.stor
EMF.8.0428	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG			C.stor
EMF.8.0429	EMF.8	8	Ri.AG				Soil.het	FD.AG	FW.AG	FW.BG	C.stor
EMF.8.0430	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	
EMF.8.0431	EMF.8	8	Ri.AG			Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.8.0432	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	
EMF.8.0433	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	
EMF.8.0434	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FW.AG		
EMF.8.0435	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			
EMF.8.0436	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG
EMF.8.0437	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FW.AG		C.stor
EMF.8.0438	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG			C.stor
EMF.8.0439	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor
EMF.8.0440	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG		
EMF.8.0441	EMF.8	8			Ri.Plant		Soil.het	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0442	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	
EMF.8.0443	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.BG			C.stor
EMF.8.0444	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.BG	FW.AG		
EMF.8.0445	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	
EMF.8.0446	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	
EMF.8.0447	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		
EMF.8.0448	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	
EMF.8.0449	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FW.AG	FW.BG	
EMF.8.0450	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.BG			C.stor
EMF.8.0451	EMF.8	8	Ri.AG			Veg.str		FD.AG	FW.AG		C.stor
EMF.8.0452	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG	FW.BG	
EMF.8.0453	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor
EMF.8.0454	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	
EMF.8.0455	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG
EMF.8.0456	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor
EMF.8.0457	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		
EMF.8.0458	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	
EMF.8.0459	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.BG	
EMF.8.0460	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		
EMF.8.0461	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				
EMF.8.0462	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.BG			C.stor
EMF.8.0463	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	
EMF.8.0464	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		
EMF.8.0465	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	
EMF.8.0466	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	
EMF.8.0467	EMF.8	8	Ri.AG					FD.AG	FD.BG	FW.AG	
EMF.8.0468	EMF.8	8			Ri.Plant			FD.AG	FD.BG	FW.AG	
EMF.8.0469	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	
EMF.8.0470	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.BG	
EMF.8.0471	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FW.AG		C.stor
EMF.8.0472	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FW.AG		C.stor
EMF.8.0473	EMF.8	8	Ri.AG				Soil.het	FD.AG	FW.AG		C.stor
EMF.8.0474	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	
EMF.8.0475	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor
EMF.8.0476	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.BG	C.stor
EMF.8.0477	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	C.stor
EMF.8.0478	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	
EMF.8.0479	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG	
EMF.8.0480	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor
EMF.8.0481	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FW.AG		C.stor
EMF.8.0482	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.BG	FW.AG	FW.BG	

EMF.8.0483	EMF.8	8	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.BG			C.stor	H2O.cap			
EMF.8.0484	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FW.AG	FW.BG	C.stor	H2O.cap			
EMF.8.0485	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		H2O.cap	Nut.ret		
EMF.8.0486	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	H2O.cap	Nut.ret	
EMF.8.0487	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG		FW.BG	H2O.cap	Nut.ret	
EMF.8.0488	EMF.8	8	Ri.AG			Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0489	EMF.8	8	Ri.AG	Ri.BG				FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.0490	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor		Nut.ret	
EMF.8.0491	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	
EMF.8.0492	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0493	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0494	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0495	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant					FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0496	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor	H2O.cap	
EMF.8.0497	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0498	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0499	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.8.0500	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0501	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor		
EMF.8.0502	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.8.0503	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.8.0504	EMF.8	8				Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0505	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.8.0506	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.0507	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0508	EMF.8	8				Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0509	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret
EMF.8.0510	EMF.8	8	Ri.AG			Veg.str				FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0511	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG				C.stor	H2O.cap	Nut.ret
EMF.8.0512	EMF.8	8	Ri.AG					FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0513	EMF.8	8		Ri.BG	Ri.Plant				FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0514	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.8.0515	EMF.8	8			Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0516	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0517	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0518	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0519	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG			C.stor	H2O.cap	
EMF.8.0520	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.8.0521	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het				FW.BG		H2O.cap	Nut.ret
EMF.8.0522	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG			Nut.ret
EMF.8.0523	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0524	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.8.0525	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.8.0526	EMF.8	8				Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0527	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0528	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.8.0529	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0530	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.8.0531	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG					H2O.cap	
EMF.8.0532	EMF.8	8	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0533	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.8.0534	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0535	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG				H2O.cap	
EMF.8.0536	EMF.8	8	Ri.AG	Ri.BG		Veg.str				FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0537	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.8.0538	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0539	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.8.0540	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.8.0541	EMF.8	8		Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0542	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	
EMF.8.0543	EMF.8	8	Ri.AG			Veg.str			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0544	EMF.8	8		Ri.BG		Veg.str	Soil.het			FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0545	EMF.8	8	Ri.AG						FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret

EMF.8.0546	EMF.8	8	Ri.AG	Ri.BG	Veg.str			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0547	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG	C.stor	
EMF.8.0548	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.8.0549	EMF.8	8	Ri.AG			Veg.str			FD.BG	FW.BG	C.stor	H2O.cap
EMF.8.0550	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.BG		FW.BG	C.stor	H2O.cap
EMF.8.0551	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG			C.stor	H2O.cap
EMF.8.0552	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0553	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor	H2O.cap
EMF.8.0554	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		C.stor	Nut.ret
EMF.8.0555	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.8.0556	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.BG	C.stor	Nut.ret
EMF.8.0557	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.8.0558	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.BG		Nut.ret
EMF.8.0559	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0560	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	H2O.cap	
EMF.8.0561	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.BG	C.stor	H2O.cap
EMF.8.0562	EMF.8	8			Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0563	EMF.8	8	Ri.AG	Ri.BG					FD.BG	FW.AG	FW.BG	C.stor
EMF.8.0564	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor	Nut.ret
EMF.8.0565	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		H2O.cap	
EMF.8.0566	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	H2O.cap	Nut.ret
EMF.8.0567	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		Nut.ret
EMF.8.0568	EMF.8	8				Veg.str	Soil.het		FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0569	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	H2O.cap	
EMF.8.0570	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor	H2O.cap
EMF.8.0571	EMF.8	8	Ri.AG			Veg.str	Soil.het		FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0572	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		Nut.ret
EMF.8.0573	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap
EMF.8.0574	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0575	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.BG	C.stor	H2O.cap
EMF.8.0576	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	H2O.cap
EMF.8.0577	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG		Nut.ret
EMF.8.0578	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0579	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	C.stor	Nut.ret
EMF.8.0580	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor	Nut.ret
EMF.8.0581	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	
EMF.8.0582	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FW.AG		C.stor	H2O.cap
EMF.8.0583	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor	
EMF.8.0584	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	C.stor	Nut.ret
EMF.8.0585	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		H2O.cap	Nut.ret
EMF.8.0586	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.BG		Nut.ret
EMF.8.0587	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap	Nut.ret
EMF.8.0588	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	H2O.cap	Nut.ret
EMF.8.0589	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG		Nut.ret
EMF.8.0590	EMF.8	8		Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0591	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG		C.stor	H2O.cap
EMF.8.0592	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG		C.stor	H2O.cap
EMF.8.0593	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.8.0594	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG	C.stor	H2O.cap
EMF.8.0595	EMF.8	8			Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor
EMF.8.0596	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		Nut.ret
EMF.8.0597	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor	H2O.cap
EMF.8.0598	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG		Nut.ret
EMF.8.0599	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.8.0600	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG	C.stor	Nut.ret
EMF.8.0601	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	C.stor	H2O.cap
EMF.8.0602	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG	C.stor	H2O.cap
EMF.8.0603	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG	C.stor	
EMF.8.0604	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.8.0605	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap	
EMF.8.0606	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor	Nut.ret
EMF.8.0607	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.8.0608	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG	FW.BG	C.stor	Nut.ret

EMF.8.0609	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor			
EMF.8.0610	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	C.stor	Nut.ret		
EMF.8.0611	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		Nut.ret		
EMF.8.0612	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG			FW.BG	H2O.cap	Nut.ret	
EMF.8.0613	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.8.0614	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.8.0615	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	Nut.ret	
EMF.8.0616	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0617	EMF.8	8	Ri.AG	Ri.BG		Veg.str				FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0618	EMF.8	8				Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0619	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0620	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.8.0621	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0622	EMF.8	8	Ri.AG	Ri.BG					FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0623	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0624	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.8.0625	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0626	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG			Nut.ret
EMF.8.0627	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.8.0628	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0629	EMF.8	8				Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0630	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0631	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0632	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.8.0633	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0634	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.8.0635	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0636	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0637	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.8.0638	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.0639	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG			Nut.ret
EMF.8.0640	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.8.0641	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor		
EMF.8.0642	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	
EMF.8.0643	EMF.8	8	Ri.AG				Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0644	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG				Nut.ret
EMF.8.0645	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG			C.stor	H2O.cap	
EMF.8.0646	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG			Nut.ret
EMF.8.0647	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0648	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0649	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0650	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	
EMF.8.0651	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0652	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG			C.stor		Nut.ret
EMF.8.0653	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0654	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0655	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.0656	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0657	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.8.0658	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.8.0659	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0660	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0661	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.8.0662	EMF.8	8	Ri.AG	Ri.BG			Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0663	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG					H2O.cap	Nut.ret
EMF.8.0664	EMF.8	8		Ri.BG			Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0665	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor		
EMF.8.0666	EMF.8	8	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.0667	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0668	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.8.0669	EMF.8	8		Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0670	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.0671	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret



EMF.8.0672	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.8.0673	EMF.8	8			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0674	EMF.8	8	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG					C.stor	Nut.ret
EMF.8.0675	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap
EMF.8.0676	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor	Nut.ret
EMF.8.0677	EMF.8	8			Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		C.stor
EMF.8.0678	EMF.8	8		Ri.BG		Veg.str			FD.BG		FW.BG		C.stor
EMF.8.0679	EMF.8	8		Ri.BG	Ri.Plant	Veg.str				FW.AG			C.stor
EMF.8.0680	EMF.8	8			Ri.Plant	Veg.str				FW.AG	FW.BG		C.stor
EMF.8.0681	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG			C.stor
EMF.8.0682	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG		FW.BG		H2O.cap
EMF.8.0683	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG			Nut.ret
EMF.8.0684	EMF.8	8		Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG		H2O.cap
EMF.8.0685	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG				C.stor
EMF.8.0686	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG			C.stor
EMF.8.0687	EMF.8	8			Ri.Plant	Veg.str			FD.BG		FW.BG		C.stor
EMF.8.0688	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG			FW.BG		C.stor
EMF.8.0689	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.8.0690	EMF.8	8		Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG		C.stor
EMF.8.0691	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG		H2O.cap
EMF.8.0692	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap
EMF.8.0693	EMF.8	8	Ri.AG					FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.8.0694	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG			C.stor
EMF.8.0695	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG					C.stor
EMF.8.0696	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		C.stor
EMF.8.0697	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap
EMF.8.0698	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG				H2O.cap
EMF.8.0699	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap
EMF.8.0700	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap
EMF.8.0701	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG		FW.BG		C.stor
EMF.8.0702	EMF.8	8		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG			C.stor
EMF.8.0703	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG		H2O.cap
EMF.8.0704	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap
EMF.8.0705	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap
EMF.8.0706	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		C.stor
EMF.8.0707	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap
EMF.8.0708	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG				H2O.cap
EMF.8.0709	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG		FW.BG		C.stor
EMF.8.0710	EMF.8	8			Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap
EMF.8.0711	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				C.stor
EMF.8.0712	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG			H2O.cap
EMF.8.0713	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap
EMF.8.0714	EMF.8	8			Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		C.stor
EMF.8.0715	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG		FW.BG		C.stor
EMF.8.0716	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			C.stor
EMF.8.0717	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG				C.stor
EMF.8.0718	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG			C.stor
EMF.8.0719	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG		FW.BG		C.stor
EMF.8.0720	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG					C.stor
EMF.8.0721	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		C.stor
EMF.8.0722	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG		C.stor
EMF.8.0723	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			C.stor
EMF.8.0724	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG		H2O.cap
EMF.8.0725	EMF.8	8	Ri.AG				Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.8.0726	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG				H2O.cap
EMF.8.0727	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG			C.stor
EMF.8.0728	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		C.stor
EMF.8.0729	EMF.8	8		Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		C.stor
EMF.8.0730	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret
EMF.8.0731	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		C.stor
EMF.8.0732	EMF.8	8	Ri.AG					FD.AG		FW.AG	FW.BG		C.stor
EMF.8.0733	EMF.8	8	Ri.AG		Ri.Plant			FD.AG			FW.BG		C.stor
EMF.8.0734	EMF.8	8	Ri.AG				Soil.het	FD.AG		FW.AG	FW.BG		C.stor

EMF.8.0735	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG		Nut.ret		
EMF.8.0736	EMF.8	8		Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0737	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0738	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG		H2O.cap	
EMF.8.0739	EMF.8	8		Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0740	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG			Nut.ret
EMF.8.0741	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0742	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.0743	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0744	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het					C.stor	H2O.cap	Nut.ret
EMF.8.0745	EMF.8	8			Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.8.0746	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0747	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0748	EMF.8	8	Ri.AG			Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0749	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0750	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG				Nut.ret
EMF.8.0751	EMF.8	8					Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0752	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0753	EMF.8	8	Ri.AG	Ri.BG				FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0754	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het				FW.BG	C.stor		Nut.ret
EMF.8.0755	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0756	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.0757	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.8.0758	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0759	EMF.8	8		Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0760	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0761	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor		
EMF.8.0762	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG			Nut.ret
EMF.8.0763	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.8.0764	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0765	EMF.8	8	Ri.AG				Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0766	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG		H2O.cap	
EMF.8.0767	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0768	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG			
EMF.8.0769	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0770	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor		
EMF.8.0771	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0772	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0773	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.8.0774	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG			FW.BG	C.stor	H2O.cap	
EMF.8.0775	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0776	EMF.8	8	Ri.AG	Ri.BG			Soil.het			FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0777	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	
EMF.8.0778	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.8.0779	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap	
EMF.8.0780	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG			
EMF.8.0781	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0782	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het				FW.BG	C.stor	H2O.cap	
EMF.8.0783	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.0784	EMF.8	8	Ri.AG		Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0785	EMF.8	8	Ri.AG	Ri.BG				FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0786	EMF.8	8		Ri.BG	Ri.Plant			FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0787	EMF.8	8			Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0788	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor		
EMF.8.0789	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			
EMF.8.0790	EMF.8	8	Ri.AG		Ri.Plant		Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0791	EMF.8	8		Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0792	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.0793	EMF.8	8		Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0794	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0795	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0796	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.8.0797	EMF.8	8					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	

EMF.8.0798	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor	Nut.ret			
EMF.8.0799	EMF.8	8	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap			
EMF.8.0800	EMF.8	8				Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0801	EMF.8	8	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FW.AG			C.stor			
EMF.8.0802	EMF.8	8	Ri.BG				FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.0803	EMF.8	8	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap		
EMF.8.0804	EMF.8	8	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor		Nut.ret	
EMF.8.0805	EMF.8	8	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap		
EMF.8.0806	EMF.8	8	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.8.0807	EMF.8	8	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG			H2O.cap	Nut.ret	
EMF.8.0808	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG				
EMF.8.0809	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.8.0810	EMF.8	8	Ri.AG	Ri.BG					FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0811	EMF.8	8		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.8.0812	EMF.8	8		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.8.0813	EMF.8	8	Ri.AG		Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.0814	EMF.8	8		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.8.0815	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.0816	EMF.8	8			Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0817	EMF.8	8		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.0818	EMF.8	8		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.8.0819	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG		H2O.cap	Nut.ret	
EMF.8.0820	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	Nut.ret	
EMF.8.0821	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.8.0822	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.8.0823	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.AG		C.stor		Nut.ret	
EMF.8.0824	EMF.8	8		Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret	
EMF.8.0825	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.8.0826	EMF.8	8		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.0827	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG		Nut.ret	
EMF.8.0828	EMF.8	8		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.0829	EMF.8	8	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap		
EMF.8.0830	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG			
EMF.8.0831	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG			Nut.ret	
EMF.8.0832	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor		Nut.ret	
EMF.8.0833	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap		
EMF.8.0834	EMF.8	8	Ri.AG		Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0835	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.0836	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG				H2O.cap	Nut.ret	
EMF.8.0837	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0838	EMF.8	8		Ri.Plant	Veg.str			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0839	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0840	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0841	EMF.8	8		Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0842	EMF.8	8		Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0843	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.8.0844	EMF.8	8		Ri.BG		Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0845	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0846	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0847	EMF.8	8	Ri.AG		Ri.Plant		Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0848	EMF.8	8		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.0849	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap		
EMF.8.0850	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG				
EMF.8.0851	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.BG		H2O.cap	Nut.ret	
EMF.8.0852	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	C.stor		Nut.ret	
EMF.8.0853	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG				
EMF.8.0854	EMF.8	8		Ri.BG				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.0855	EMF.8	8		Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0856	EMF.8	8		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret	
EMF.8.0857	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			
EMF.8.0858	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret	
EMF.8.0859	EMF.8	8	Ri.AG		Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.8.0860	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap		



EMF.8.0861	EMF.8	8		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.8.0862	EMF.8	8		Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0863	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0864	EMF.8	8			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0865	EMF.8	8	Ri.AG	Ri.BG		Veg.str	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.8.0866	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.0867	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0868	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	
EMF.8.0869	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap	Nut.ret
EMF.8.0870	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	
EMF.8.0871	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0872	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0873	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	
EMF.8.0874	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG			Nut.ret
EMF.8.0875	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0876	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		
EMF.8.0877	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG			Nut.ret
EMF.8.0878	EMF.8	8	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.8.0879	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.8.0880	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	
EMF.8.0881	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.8.0882	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.8.0883	EMF.8	8	Ri.AG	Ri.BG				FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.8.0884	EMF.8	8		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0885	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.8.0886	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0887	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG			C.stor	H2O.cap	Nut.ret
EMF.8.0888	EMF.8	8						FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0889	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.8.0890	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			
EMF.8.0891	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.8.0892	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor	Nut.ret
EMF.8.0893	EMF.8	8		Ri.BG		Veg.str			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0894	EMF.8	8				Veg.str	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0895	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG		H2O.cap	Nut.ret
EMF.8.0896	EMF.8	8	Ri.AG			Veg.str		FD.AG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0897	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.BG		H2O.cap	Nut.ret
EMF.8.0898	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.8.0899	EMF.8	8				Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.8.0900	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.BG	C.stor		
EMF.8.0901	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.8.0902	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.8.0903	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.8.0904	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	
EMF.8.0905	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0906	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.8.0907	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.8.0908	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	
EMF.8.0909	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor	
EMF.8.0910	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	
EMF.8.0911	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.8.0912	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		C.stor		Nut.ret
EMF.8.0913	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.8.0914	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor		Nut.ret
EMF.8.0915	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			
EMF.8.0916	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor		Nut.ret
EMF.8.0917	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	
EMF.8.0918	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.8.0919	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor	Nut.ret
EMF.8.0920	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor	H2O.cap	Nut.ret
EMF.8.0921	EMF.8	8	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.8.0922	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.8.0923	EMF.8	8		Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor	Nut.ret

EMF.8.0924	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret		
EMF.8.0925	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	FD.AG				C.stor	Nut.ret		
EMF.8.0926	EMF.8	8	Ri.AG		Ri.Plant	Soil.het		FD.BG		FW.BG		H2O.cap	Nut.ret	
EMF.8.0927	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG					
EMF.8.0928	EMF.8	8	Ri.AG			Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0929	EMF.8	8	Ri.AG				Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0930	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0931	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.0932	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor		
EMF.8.0933	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.0934	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0935	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0936	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0937	EMF.8	8	Ri.AG	Ri.BG		Veg.str				FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0938	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0939	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG			Nut.ret
EMF.8.0940	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.0941	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor		
EMF.8.0942	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret
EMF.8.0943	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG			Nut.ret
EMF.8.0944	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.0945	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het				FW.BG	C.stor		Nut.ret
EMF.8.0946	EMF.8	8		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.8.0947	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.0948	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0949	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0950	EMF.8	8		Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0951	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.0952	EMF.8	8		Ri.BG			Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0953	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het					C.stor	H2O.cap	Nut.ret
EMF.8.0954	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.8.0955	EMF.8	8				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.0956	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.0957	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG			
EMF.8.0958	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0959	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor		Nut.ret
EMF.8.0960	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG			
EMF.8.0961	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0962	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG				C.stor	H2O.cap	Nut.ret
EMF.8.0963	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.0964	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.0965	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.8.0966	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.0967	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0968	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0969	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.8.0970	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.0971	EMF.8	8		Ri.BG			Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0972	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.0973	EMF.8	8			Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0974	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0975	EMF.8	8		Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.0976	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.8.0977	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.0978	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0979	EMF.8	8			Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.0980	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.8.0981	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.8.0982	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor		
EMF.8.0983	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.8.0984	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.0985	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	
EMF.8.0986	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		

EMF.8.0987	EMF.8	8	Ri.AG	Ri.BG	Veg.str	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap				
EMF.8.0988	EMF.8	8		Ri.BG	Veg.str	Soil.het	FD.AG			C.stor	H2O.cap	Nut.ret		
EMF.8.0989	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.0990	EMF.8	8			Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.0991	EMF.8	8		Ri.BG	Ri.Plant		FD.AG	FW.AG	FW.BG		H2O.cap	Nut.ret		
EMF.8.0992	EMF.8	8		Ri.BG	Veg.str	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap			
EMF.8.0993	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap		
EMF.8.0994	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.0995	EMF.8	8		Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.8.0996	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap		
EMF.8.0997	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.BG	H2O.cap	Nut.ret		
EMF.8.0998	EMF.8	8				Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.0999	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str					C.stor	H2O.cap	Nut.ret	
EMF.8.1000	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG	C.stor			
EMF.8.1001	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.BG	C.stor	H2O.cap		
EMF.8.1002	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.8.1003	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.BG		H2O.cap	Nut.ret	
EMF.8.1004	EMF.8	8		Ri.BG	Veg.str	Soil.het	FD.AG			FW.BG	C.stor		Nut.ret	
EMF.8.1005	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.1006	EMF.8	8		Ri.BG	Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1007	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			
EMF.8.1008	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.1009	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor	H2O.cap	Nut.ret	
EMF.8.1010	EMF.8	8	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor			
EMF.8.1011	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.8.1012	EMF.8	8			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.8.1013	EMF.8	8		Ri.BG		Veg.str		FD.AG	FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.8.1014	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG			H2O.cap	Nut.ret	
EMF.8.1015	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.8.1016	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor		Nut.ret	
EMF.8.1017	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap		
EMF.8.1018	EMF.8	8		Ri.BG	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor			
EMF.8.1019	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.BG	C.stor		Nut.ret	
EMF.8.1020	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor	H2O.cap		
EMF.8.1021	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor			
EMF.8.1022	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FW.AG	FW.BG	C.stor			
EMF.8.1023	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			
EMF.8.1024	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor	H2O.cap		
EMF.8.1025	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.BG	C.stor		Nut.ret	
EMF.8.1026	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap		
EMF.8.1027	EMF.8	8		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.1028	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret
EMF.8.1029	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor	H2O.cap	Nut.ret	
EMF.8.1030	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.1031	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.8.1032	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.1033	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.8.1034	EMF.8	8	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1035	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1036	EMF.8	8	Ri.AG					FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1037	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret
EMF.8.1038	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1039	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.8.1040	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1041	EMF.8	8		Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1042	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1043	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.1044	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.8.1045	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1046	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.1047	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.1048	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	H2O.cap	Nut.ret	
EMF.8.1049	EMF.8	8	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor		

EMF.8.1050	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG				
EMF.8.1051	EMF.8	8			Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1052	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.BG	C.stor			
EMF.8.1053	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor	Nut.ret	
EMF.8.1054	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG		C.stor	Nut.ret	
EMF.8.1055	EMF.8	8	Ri.AG					FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1056	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.1057	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.8.1058	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.1059	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.1060	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor		
EMF.8.1061	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.8.1062	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret
EMF.8.1063	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.1064	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor		
EMF.8.1065	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG		H2O.cap	Nut.ret
EMF.8.1066	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.8.1067	EMF.8	8	Ri.AG	Ri.BG					FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1068	EMF.8	8	Ri.AG	Ri.BG		Veg.str				FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1069	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.8.1070	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.1071	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.1072	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1073	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str					FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1074	EMF.8	8		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.1075	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.1076	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.8.1077	EMF.8	8	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1078	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1079	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor		
EMF.8.1080	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.8.1081	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor		
EMF.8.1082	EMF.8	8	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1083	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret
EMF.8.1084	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				
EMF.8.1085	EMF.8	8	Ri.AG	Ri.BG					FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1086	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.1087	EMF.8	8	Ri.AG				Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1088	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.8.1089	EMF.8	8		Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1090	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.1091	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.8.1092	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.8.1093	EMF.8	8	Ri.AG	Ri.BG			Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1094	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.8.1095	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.8.1096	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.1097	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.8.1098	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.8.1099	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.1100	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG			C.stor	H2O.cap	Nut.ret
EMF.8.1101	EMF.8	8					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.8.1102	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.8.1103	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor		
EMF.8.1104	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor		
EMF.8.1105	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.8.1106	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor		
EMF.8.1107	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.8.1108	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.8.1109	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.8.1110	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.1111	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1112	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret

EMF.8.1113	EMF.8	8	Ri.AG	Ri.BG	Veg.str		FD.BG	FW.AG	FW.BG	C.stor			
EMF.8.1114	EMF.8	8	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor			
EMF.8.1115	EMF.8	8		Ri.Plant			FD.AG	FD.BG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1116	EMF.8	8		Ri.BG	Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor			
EMF.8.1117	EMF.8	8		Ri.BG			FD.AG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1118	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.BG	C.stor		Nut.ret	
EMF.8.1119	EMF.8	8	Ri.AG			Soil.het	FD.AG	FD.BG	FW.BG	C.stor		Nut.ret	
EMF.8.1120	EMF.8	8		Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.BG	C.stor	H2O.cap		
EMF.8.1121	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.BG	FW.AG	FW.BG			
EMF.8.1122	EMF.8	8	Ri.AG		Ri.Plant			FD.BG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1123	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	H2O.cap		
EMF.8.1124	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.BG	C.stor			
EMF.8.1125	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.BG	C.stor	H2O.cap		
EMF.8.1126	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.8.1127	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1128	EMF.8	8		Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.8.1129	EMF.8	8		Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.8.1130	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor		
EMF.8.1131	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.BG	C.stor			
EMF.8.1132	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG	C.stor		
EMF.8.1133	EMF.8	8	Ri.AG	Ri.BG		Veg.str	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1134	EMF.8	8		Ri.BG		Veg.str	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1135	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1136	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.8.1137	EMF.8	8	Ri.AG		Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.8.1138	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	C.stor		
EMF.8.1139	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		C.stor		Nut.ret	
EMF.8.1140	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.BG			Nut.ret	
EMF.8.1141	EMF.8	8			Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.8.1142	EMF.8	8			Ri.Plant	Veg.str	FD.AG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.8.1143	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	H2O.cap		
EMF.8.1144	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1145	EMF.8	8	Ri.AG			Soil.het	FD.AG	FD.BG	FW.BG	C.stor	H2O.cap		
EMF.8.1146	EMF.8	8		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.8.1147	EMF.8	8		Ri.BG		Veg.str	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1148	EMF.8	8				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1149	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	H2O.cap	Nut.ret	
EMF.8.1150	EMF.8	8	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.8.1151	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str	FD.AG	FD.BG	FW.BG				
EMF.8.1152	EMF.8	8		Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1153	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG	FW.BG			
EMF.8.1154	EMF.8	8	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.8.1155	EMF.8	8		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap		
EMF.8.1156	EMF.8	8	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.8.1157	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	H2O.cap	Nut.ret	
EMF.8.1158	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.8.1159	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.BG			
EMF.8.1160	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.8.1161	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FW.AG	FW.BG	C.stor		
EMF.8.1162	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1163	EMF.8	8	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			
EMF.8.1164	EMF.8	8	Ri.AG			Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.8.1165	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap		
EMF.8.1166	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG			
EMF.8.1167	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor		Nut.ret	
EMF.8.1168	EMF.8	8	Ri.AG	Ri.BG		Veg.str			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.8.1169	EMF.8	8	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.8.1170	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.8.1171	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	FD.AG		FW.AG		C.stor		Nut.ret
EMF.8.1172	EMF.8	8		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.8.1173	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret	
EMF.8.1174	EMF.8	8		Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1175	EMF.8	8		Ri.BG		Veg.str	Soil.het		FW.BG	C.stor	H2O.cap	Nut.ret	



EMF.8.1176	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG						
EMF.8.1177	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG					
EMF.8.1178	EMF.8	8			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor				
EMF.8.1179	EMF.8	8	Ri.AG				Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1180	EMF.8	8	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1181	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1182	EMF.8	8			Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret		
EMF.8.1183	EMF.8	8	Ri.AG					FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1184	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor				
EMF.8.1185	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor				
EMF.8.1186	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor				
EMF.8.1187	EMF.8	8					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1188	EMF.8	8		Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1189	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap			
EMF.8.1190	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor				
EMF.8.1191	EMF.8	8		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap			
EMF.8.1192	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant				FD.BG		FW.BG	C.stor		Nut.ret		
EMF.8.1193	EMF.8	8		Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor		Nut.ret		
EMF.8.1194	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor				
EMF.8.1195	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG					
EMF.8.1196	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor		Nut.ret		
EMF.8.1197	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG			FW.BG	C.stor	H2O.cap			
EMF.8.1198	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret		
EMF.8.1199	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1200	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret		
EMF.8.1201	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret		
EMF.8.1202	EMF.8	8		Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1203	EMF.8	8	Ri.AG	Ri.BG				FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1204	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1205	EMF.8	8		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret		
EMF.8.1206	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret		
EMF.8.1207	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant						FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1208	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor		Nut.ret		
EMF.8.1209	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1210	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG		H2O.cap	Nut.ret		
EMF.8.1211	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG		FW.BG	C.stor	H2O.cap			
EMF.8.1212	EMF.8	8		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor				
EMF.8.1213	EMF.8	8		Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1214	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1215	EMF.8	8		Ri.BG	Ri.Plant	Veg.str					FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1216	EMF.8	8	Ri.AG				Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	Nut.ret		
EMF.8.1217	EMF.8	8		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1218	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor				
EMF.8.1219	EMF.8	8		Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1220	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret		
EMF.8.1221	EMF.8	8	Ri.AG	Ri.BG				FD.AG	FD.BG		FW.BG	C.stor		Nut.ret		
EMF.8.1222	EMF.8	8		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor				
EMF.8.1223	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret		
EMF.8.1224	EMF.8	8		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap			
EMF.8.1225	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor				
EMF.8.1226	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG					
EMF.8.1227	EMF.8	8		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1228	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor		Nut.ret		
EMF.8.1229	EMF.8	8		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG						
EMF.8.1230	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret		
EMF.8.1231	EMF.8	8			Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1232	EMF.8	8	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG					
EMF.8.1233	EMF.8	8		Ri.BG	Ri.Plant		Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.8.1234	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1235	EMF.8	8		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret		
EMF.8.1236	EMF.8	8	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG					
EMF.8.1237	EMF.8	8	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG					
EMF.8.1238	EMF.8	8		Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor		Nut.ret		

EMF.8.1239	EMF.8	8	Ri.BG	Ri.Plant		FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.8.1240	EMF.8	8	Ri.AG	Ri.BG		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.8.1241	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	Nut.ret
EMF.8.1242	EMF.8	8	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	
EMF.8.1243	EMF.8	8	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	
EMF.8.1244	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap
EMF.8.1245	EMF.8	8	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor
EMF.8.1246	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.1247	EMF.8	8	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.1248	EMF.8	8		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.8.1249	EMF.8	8	Ri.AG	Ri.BG			FD.AG		FW.BG	C.stor	H2O.cap
EMF.8.1250	EMF.8	8	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.8.1251	EMF.8	8	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor
EMF.8.1252	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.8.1253	EMF.8	8	Ri.BG	Ri.Plant				FD.BG		FW.BG	C.stor
EMF.8.1254	EMF.8	8	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor
EMF.8.1255	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap
EMF.8.1256	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FD.BG		C.stor	H2O.cap
EMF.8.1257	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FD.BG		FW.BG	C.stor
EMF.8.1258	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap
EMF.8.1259	EMF.8	8	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.1260	EMF.8	8	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.1261	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FD.BG		FW.BG	H2O.cap
EMF.8.1262	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1263	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.1264	EMF.8	8	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.8.1265	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1266	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FD.BG		FW.BG	C.stor
EMF.8.1267	EMF.8	8	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.8.1268	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1269	EMF.8	8				Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1270	EMF.8	8	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	
EMF.8.1271	EMF.8	8	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.8.1272	EMF.8	8	Ri.AG			Soil.het		FD.BG		FW.BG	C.stor
EMF.8.1273	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.8.1274	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap
EMF.8.1275	EMF.8	8	Ri.AG	Ri.BG		Soil.het			FW.BG	C.stor	H2O.cap
EMF.8.1276	EMF.8	8	Ri.AG	Ri.BG				FD.BG		FW.BG	C.stor
EMF.8.1277	EMF.8	8	Ri.AG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1278	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1279	EMF.8	8	Ri.BG			Soil.het	FD.AG		FW.BG	C.stor	H2O.cap
EMF.8.1280	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1281	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.8.1282	EMF.8	8	Ri.AG	Ri.BG			FD.AG	FD.BG		FW.BG	C.stor
EMF.8.1283	EMF.8	8	Ri.BG			Soil.het		FD.BG		FW.BG	C.stor
EMF.8.1284	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap
EMF.8.1285	EMF.8	8	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor	H2O.cap
EMF.8.1286	EMF.8	8	Ri.AG	Ri.BG		Soil.het		FD.BG		FW.BG	C.stor
EMF.8.1287	EMF.8	8	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.7.0001	EMF.7	7	Ri.AG	Ri.Plant		Soil.het		FW.AG		C.stor	H2O.cap
EMF.7.0002	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor	H2O.cap
EMF.7.0003	EMF.7	7	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor
EMF.7.0004	EMF.7	7	Ri.AG	Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor
EMF.7.0005	EMF.7	7	Ri.AG	Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor
EMF.7.0006	EMF.7	7	Ri.AG	Ri.Plant		Soil.het			FW.AG		C.stor
EMF.7.0007	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.AG		C.stor
EMF.7.0008	EMF.7	7	Ri.AG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor
EMF.7.0009	EMF.7	7	Ri.AG		Veg.str			FD.BG	FW.AG		C.stor
EMF.7.0010	EMF.7	7	Ri.AG	Ri.Plant		Soil.het			FW.AG		H2O.cap
EMF.7.0011	EMF.7	7		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor
EMF.7.0012	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG				C.stor
EMF.7.0013	EMF.7	7	Ri.AG	Ri.Plant				FD.BG	FW.AG		C.stor
EMF.7.0014	EMF.7	7			Veg.str	Soil.het		FD.BG	FW.AG		C.stor

EMF.7.0015	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.7.0016	EMF.7	7	Ri.AG	Ri.Plant		Soil.het		FW.AG	C.stor		Nut.ret
EMF.7.0017	EMF.7	7	Ri.AG	Ri.Plant	Veg.str		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.7.0018	EMF.7	7	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor	H2O.cap
EMF.7.0019	EMF.7	7			Veg.str		FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.7.0020	EMF.7	7	Ri.AG		Veg.str			FD.BG	FW.AG		H2O.cap
EMF.7.0021	EMF.7	7			Veg.str			FD.BG	FW.AG	C.stor	H2O.cap
EMF.7.0022	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor	Nut.ret
EMF.7.0023	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor
EMF.7.0024	EMF.7	7		Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor
EMF.7.0025	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG		H2O.cap
EMF.7.0026	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG		Nut.ret
EMF.7.0027	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG		H2O.cap
EMF.7.0028	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.BG	FW.AG		H2O.cap
EMF.7.0029	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		C.stor	Nut.ret
EMF.7.0030	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FW.AG	FW.BG	H2O.cap
EMF.7.0031	EMF.7	7	Ri.AG			Veg.str	Soil.het		FW.AG		C.stor
EMF.7.0032	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.AG		H2O.cap
EMF.7.0033	EMF.7	7	Ri.AG			Veg.str		FD.BG	FW.AG		C.stor
EMF.7.0034	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	C.stor
EMF.7.0035	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	C.stor
EMF.7.0036	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	C.stor
EMF.7.0037	EMF.7	7	Ri.AG		Ri.Plant			FD.AG		FW.AG	C.stor
EMF.7.0038	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor
EMF.7.0039	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG		C.stor
EMF.7.0040	EMF.7	7			Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor
EMF.7.0041	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG		C.stor
EMF.7.0042	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.AG		Nut.ret
EMF.7.0043	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor
EMF.7.0044	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FW.AG	FW.BG	H2O.cap
EMF.7.0045	EMF.7	7				Veg.str		FD.AG	FD.BG		C.stor
EMF.7.0046	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	H2O.cap
EMF.7.0047	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor
EMF.7.0048	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.BG	FW.AG		H2O.cap
EMF.7.0049	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG			C.stor
EMF.7.0050	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor
EMF.7.0051	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	Nut.ret
EMF.7.0052	EMF.7	7	Ri.AG		Ri.Plant				FD.BG	FW.AG	H2O.cap
EMF.7.0053	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	H2O.cap
EMF.7.0054	EMF.7	7		Ri.BG		Veg.str			FD.BG	FW.AG	C.stor
EMF.7.0055	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor
EMF.7.0056	EMF.7	7	Ri.AG		Ri.Plant				FD.BG	FW.AG	C.stor
EMF.7.0057	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG		C.stor
EMF.7.0058	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor
EMF.7.0059	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		Nut.ret
EMF.7.0060	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor
EMF.7.0061	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	C.stor
EMF.7.0062	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FW.AG	FW.BG	Nut.ret
EMF.7.0063	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	H2O.cap
EMF.7.0064	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	Nut.ret
EMF.7.0065	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	C.stor
EMF.7.0066	EMF.7	7				Veg.str	Soil.het		FD.BG	FW.AG	C.stor
EMF.7.0067	EMF.7	7				Veg.str			FD.BG	FW.AG	FW.BG
EMF.7.0068	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor
EMF.7.0069	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	C.stor
EMF.7.0070	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	Nut.ret
EMF.7.0071	EMF.7	7		Ri.BG		Veg.str			FD.BG	FW.AG	H2O.cap
EMF.7.0072	EMF.7	7	Ri.AG		Ri.Plant				FD.BG	FW.AG	FW.BG
EMF.7.0073	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		H2O.cap
EMF.7.0074	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor
EMF.7.0075	EMF.7	7	Ri.AG		Ri.Plant				FW.AG		C.stor
EMF.7.0076	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor
EMF.7.0077	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor



EMF.7.0078	EMF.7	7		Ri.Plant	Soil.het	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.7.0079	EMF.7	7	Ri.AG	Ri.Plant			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0080	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG		Nut.ret
EMF.7.0081	EMF.7	7		Ri.Plant	Veg.str	FD.AG	FD.BG		C.stor	H2O.cap	
EMF.7.0082	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FW.AG		C.stor	H2O.cap
EMF.7.0083	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor
EMF.7.0084	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.BG	FW.AG		Nut.ret
EMF.7.0085	EMF.7	7			Veg.str	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.7.0086	EMF.7	7			Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	C.stor
EMF.7.0087	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor
EMF.7.0088	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG		H2O.cap
EMF.7.0089	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG		H2O.cap
EMF.7.0090	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG			Nut.ret
EMF.7.0091	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	C.stor
EMF.7.0092	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	
EMF.7.0093	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.7.0094	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			Nut.ret
EMF.7.0095	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG		C.stor
EMF.7.0096	EMF.7	7			Ri.Plant		Soil.het	FD.AG		FW.AG	C.stor
EMF.7.0097	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor
EMF.7.0098	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG			C.stor
EMF.7.0099	EMF.7	7	Ri.AG			Veg.str		FD.BG	FW.AG	FW.BG	C.stor
EMF.7.0100	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor
EMF.7.0101	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG		C.stor
EMF.7.0102	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	C.stor
EMF.7.0103	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG		C.stor
EMF.7.0104	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	
EMF.7.0105	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		H2O.cap
EMF.7.0106	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.0107	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FW.AG		C.stor
EMF.7.0108	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor
EMF.7.0109	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor
EMF.7.0110	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor
EMF.7.0111	EMF.7	7			Ri.Plant	Veg.str		FD.BG	FW.AG		H2O.cap
EMF.7.0112	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.0113	EMF.7	7	Ri.AG		Ri.Plant			FD.AG		FW.AG	
EMF.7.0114	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor
EMF.7.0115	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	
EMF.7.0116	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	
EMF.7.0117	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		H2O.cap
EMF.7.0118	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		H2O.cap
EMF.7.0119	EMF.7	7	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	
EMF.7.0120	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	
EMF.7.0121	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		
EMF.7.0122	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG		H2O.cap
EMF.7.0123	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor
EMF.7.0124	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	
EMF.7.0125	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.7.0126	EMF.7	7	Ri.AG				Soil.het		FD.BG	FW.AG	
EMF.7.0127	EMF.7	7		Ri.BG		Veg.str		FD.BG	FW.AG		C.stor
EMF.7.0128	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor
EMF.7.0129	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG			C.stor
EMF.7.0130	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	
EMF.7.0131	EMF.7	7	Ri.AG		Ri.Plant				FW.AG	FW.BG	H2O.cap
EMF.7.0132	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	H2O.cap
EMF.7.0133	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor
EMF.7.0134	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG		C.stor
EMF.7.0135	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	
EMF.7.0136	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG		FW.BG
EMF.7.0137	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	
EMF.7.0138	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor
EMF.7.0139	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FW.AG		H2O.cap
EMF.7.0140	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG		C.stor	

EMF.7.0141	EMF.7	7		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap		
EMF.7.0142	EMF.7	7	Ri.AG	Ri.Plant		FD.AG	FD.BG	FW.AG			H2O.cap		
EMF.7.0143	EMF.7	7			Veg.str	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret	
EMF.7.0144	EMF.7	7	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	C.stor	H2O.cap		
EMF.7.0145	EMF.7	7	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG				Nut.ret	
EMF.7.0146	EMF.7	7	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor	H2O.cap		
EMF.7.0147	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG				Nut.ret	
EMF.7.0148	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG	C.stor		
EMF.7.0149	EMF.7	7		Ri.Plant		Soil.het			FW.AG	C.stor	H2O.cap	Nut.ret	
EMF.7.0150	EMF.7	7	Ri.AG		Veg.str		FD.AG	FD.BG		C.stor		Nut.ret	
EMF.7.0151	EMF.7	7	Ri.AG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0152	EMF.7	7	Ri.AG	Ri.Plant		Soil.het	FD.AG			FW.BG		Nut.ret	
EMF.7.0153	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		C.stor		
EMF.7.0154	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor	H2O.cap	
EMF.7.0155	EMF.7	7			Veg.str			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.0156	EMF.7	7		Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0157	EMF.7	7	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.7.0158	EMF.7	7	Ri.AG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.7.0159	EMF.7	7	Ri.AG	Ri.Plant				FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.7.0160	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.0161	EMF.7	7			Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.0162	EMF.7	7			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0163	EMF.7	7	Ri.AG	Ri.Plant	Veg.str		FD.AG		FW.AG		H2O.cap		
EMF.7.0164	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	
EMF.7.0165	EMF.7	7	Ri.AG	Ri.Plant			FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.0166	EMF.7	7	Ri.AG	Ri.Plant	Veg.str				FW.AG	FW.BG		H2O.cap	
EMF.7.0167	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.0168	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het					C.stor	H2O.cap	
EMF.7.0169	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		Nut.ret	
EMF.7.0170	EMF.7	7	Ri.AG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.7.0171	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		H2O.cap	
EMF.7.0172	EMF.7	7	Ri.BG		Veg.str		FD.AG	FD.BG			C.stor	H2O.cap	
EMF.7.0173	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap	Nut.ret	
EMF.7.0174	EMF.7	7	Ri.AG	Ri.Plant				FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.0175	EMF.7	7			Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.0176	EMF.7	7		Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.0177	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	C.stor	H2O.cap	
EMF.7.0178	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG			Nut.ret	
EMF.7.0179	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG		H2O.cap		
EMF.7.0180	EMF.7	7	Ri.AG	Ri.Plant				FD.AG		FW.AG	C.stor	H2O.cap	Nut.ret
EMF.7.0181	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		Nut.ret	
EMF.7.0182	EMF.7	7	Ri.BG		Veg.str		FD.AG	FD.BG			H2O.cap	Nut.ret	
EMF.7.0183	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.0184	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.7.0185	EMF.7	7		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.0186	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.0187	EMF.7	7	Ri.AG		Veg.str	Soil.het			FW.AG		H2O.cap	Nut.ret	
EMF.7.0188	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG			Nut.ret	
EMF.7.0189	EMF.7	7	Ri.AG	Ri.Plant			FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.7.0190	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.0191	EMF.7	7	Ri.AG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.7.0192	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG		H2O.cap		
EMF.7.0193	EMF.7	7		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0194	EMF.7	7	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor	Nut.ret	
EMF.7.0195	EMF.7	7			Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.0196	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het					C.stor	H2O.cap	Nut.ret
EMF.7.0197	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	Nut.ret	
EMF.7.0198	EMF.7	7	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.7.0199	EMF.7	7	Ri.AG	Ri.Plant	Veg.str			FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.0200	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	C.stor		
EMF.7.0201	EMF.7	7	Ri.AG		Veg.str			FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.0202	EMF.7	7		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.0203	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	Soil.het					C.stor	Nut.ret	

EMF.7.0204	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.0205	EMF.7	7	Ri.AG	Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG		C.stor	
EMF.7.0206	EMF.7	7	Ri.AG	Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG			Nut.ret
EMF.7.0207	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	FD.AG	FD.BG		C.stor	H2O.cap
EMF.7.0208	EMF.7	7	Ri.AG		Veg.str	FD.AG	FD.BG	FW.AG			H2O.cap Nut.ret
EMF.7.0209	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	FD.AG		FW.AG			H2O.cap
EMF.7.0210	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG		FW.AG		C.stor
EMF.7.0211	EMF.7	7			Veg.str	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0212	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor Nut.ret
EMF.7.0213	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor H2O.cap
EMF.7.0214	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FD.BG		H2O.cap Nut.ret
EMF.7.0215	EMF.7	7	Ri.AG		Veg.str		FD.AG		FW.AG		C.stor H2O.cap
EMF.7.0216	EMF.7	7		Ri.BG	Veg.str		FD.AG	FD.BG	FW.AG		C.stor H2O.cap
EMF.7.0217	EMF.7	7		Ri.BG	Veg.str	Soil.het		FD.BG	FW.AG		Nut.ret
EMF.7.0218	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	C.stor Nut.ret
EMF.7.0219	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor
EMF.7.0220	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	H2O.cap
EMF.7.0221	EMF.7	7	Ri.AG			Soil.het	FD.AG		FW.AG		C.stor H2O.cap
EMF.7.0222	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			Nut.ret
EMF.7.0223	EMF.7	7	Ri.AG		Ri.Plant				FW.AG	FW.BG	C.stor H2O.cap Nut.ret
EMF.7.0224	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor H2O.cap
EMF.7.0225	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor
EMF.7.0226	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor Nut.ret
EMF.7.0227	EMF.7	7	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	H2O.cap
EMF.7.0228	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			Nut.ret
EMF.7.0229	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FW.AG		C.stor H2O.cap Nut.ret
EMF.7.0230	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG	H2O.cap Nut.ret
EMF.7.0231	EMF.7	7			Ri.Plant			FD.AG	FD.BG	FW.AG	C.stor H2O.cap
EMF.7.0232	EMF.7	7	Ri.AG	Ri.BG		Soil.het			FW.AG		C.stor H2O.cap
EMF.7.0233	EMF.7	7			Veg.str	Soil.het		FD.BG	FW.AG		C.stor Nut.ret
EMF.7.0234	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor H2O.cap
EMF.7.0235	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG			C.stor Nut.ret
EMF.7.0236	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG		Nut.ret
EMF.7.0237	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor
EMF.7.0238	EMF.7	7	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG		Nut.ret
EMF.7.0239	EMF.7	7	Ri.AG			Soil.het			FW.AG	FW.BG	C.stor H2O.cap
EMF.7.0240	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor Nut.ret
EMF.7.0241	EMF.7	7	Ri.AG			Soil.het			FW.AG		C.stor H2O.cap Nut.ret
EMF.7.0242	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor Nut.ret
EMF.7.0243	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	H2O.cap Nut.ret
EMF.7.0244	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		Nut.ret
EMF.7.0245	EMF.7	7			Veg.str		FD.AG	FD.BG		FW.BG	C.stor H2O.cap Nut.ret
EMF.7.0246	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	H2O.cap Nut.ret
EMF.7.0247	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				Nut.ret
EMF.7.0248	EMF.7	7	Ri.AG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor H2O.cap
EMF.7.0249	EMF.7	7	Ri.AG				FD.AG	FD.BG	FW.AG		C.stor H2O.cap
EMF.7.0250	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor
EMF.7.0251	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG C.stor
EMF.7.0252	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor H2O.cap Nut.ret
EMF.7.0253	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG		H2O.cap Nut.ret
EMF.7.0254	EMF.7	7	Ri.AG			Veg.str				FW.AG	C.stor H2O.cap Nut.ret
EMF.7.0255	EMF.7	7	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	Nut.ret
EMF.7.0256	EMF.7	7	Ri.AG			Veg.str	Soil.het			FW.AG	C.stor Nut.ret
EMF.7.0257	EMF.7	7	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	H2O.cap
EMF.7.0258	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FD.BG		C.stor H2O.cap
EMF.7.0259	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		H2O.cap Nut.ret
EMF.7.0260	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG		C.stor H2O.cap Nut.ret
EMF.7.0261	EMF.7	7	Ri.AG					FD.BG	FW.AG		C.stor H2O.cap Nut.ret
EMF.7.0262	EMF.7	7	Ri.AG		Veg.str				FW.AG	FW.BG	C.stor H2O.cap
EMF.7.0263	EMF.7	7	Ri.AG	Ri.BG		Veg.str			FD.BG		H2O.cap Nut.ret
EMF.7.0264	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor Nut.ret
EMF.7.0265	EMF.7	7	Ri.AG			Veg.str			FD.BG	FW.AG	FW.BG H2O.cap
EMF.7.0266	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	H2O.cap Nut.ret

EMF.7.0267	EMF.7	7	Ri.AG		Veg.str		FD.BG		C.stor	H2O.cap	Nut.ret		
EMF.7.0268	EMF.7	7			Veg.str	Soil.het	FD.AG	FW.AG	C.stor	H2O.cap			
EMF.7.0269	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.BG	FW.AG	C.stor				
EMF.7.0270	EMF.7	7		Ri.BG	Ri.Plant	Soil.het	FD.AG	FW.AG	C.stor	H2O.cap			
EMF.7.0271	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.BG		C.stor	H2O.cap			
EMF.7.0272	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG	FW.BG	C.stor				
EMF.7.0273	EMF.7	7	Ri.AG		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.BG	C.stor			
EMF.7.0274	EMF.7	7			Ri.Plant	Veg.str	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.7.0275	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	FD.AG		C.stor	H2O.cap			
EMF.7.0276	EMF.7	7	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG	H2O.cap			
EMF.7.0277	EMF.7	7			Ri.Plant	Soil.het	FD.AG	FW.AG	C.stor	H2O.cap	Nut.ret		
EMF.7.0278	EMF.7	7		Ri.BG	Ri.Plant		FD.BG	FW.AG	C.stor	H2O.cap			
EMF.7.0279	EMF.7	7	Ri.AG	Ri.BG			FD.BG	FW.AG	C.stor	H2O.cap			
EMF.7.0280	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FW.AG	C.stor	H2O.cap			
EMF.7.0281	EMF.7	7		Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0282	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG		C.stor	H2O.cap		
EMF.7.0283	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.BG		Nut.ret		
EMF.7.0284	EMF.7	7			Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0285	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.BG		C.stor			
EMF.7.0286	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	Nut.ret		
EMF.7.0287	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het			H2O.cap	Nut.ret		
EMF.7.0288	EMF.7	7	Ri.AG			Veg.str		FD.BG	FW.AG	C.stor	Nut.ret		
EMF.7.0289	EMF.7	7				Veg.str	Soil.het		FW.AG	C.stor	H2O.cap	Nut.ret	
EMF.7.0290	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FW.AG	C.stor	H2O.cap	Nut.ret	
EMF.7.0291	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.7.0292	EMF.7	7			Ri.Plant			FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret	
EMF.7.0293	EMF.7	7	Ri.AG		Ri.Plant		FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.7.0294	EMF.7	7			Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0295	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	FD.AG	FD.BG		H2O.cap			
EMF.7.0296	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.BG		H2O.cap	Nut.ret		
EMF.7.0297	EMF.7	7	Ri.AG					FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0298	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		H2O.cap			
EMF.7.0299	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0300	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		H2O.cap	Nut.ret		
EMF.7.0301	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.BG		FW.BG	H2O.cap	Nut.ret	
EMF.7.0302	EMF.7	7		Ri.BG		Veg.str	Soil.het		FW.AG	C.stor	H2O.cap		
EMF.7.0303	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG			Nut.ret		
EMF.7.0304	EMF.7	7	Ri.AG			Veg.str		FD.BG	FW.AG	FW.BG	Nut.ret		
EMF.7.0305	EMF.7	7	Ri.AG	Ri.BG		Veg.str	FD.AG	FD.BG		C.stor	H2O.cap		
EMF.7.0306	EMF.7	7	Ri.AG			Veg.str	FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret		
EMF.7.0307	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.BG		C.stor	H2O.cap		
EMF.7.0308	EMF.7	7			Ri.Plant	Veg.str	FD.AG		FW.AG	C.stor	H2O.cap		
EMF.7.0309	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.BG	H2O.cap	Nut.ret	
EMF.7.0310	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		Nut.ret		
EMF.7.0311	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG		C.stor	Nut.ret		
EMF.7.0312	EMF.7	7			Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.0313	EMF.7	7				Veg.str	Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0314	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG		C.stor	H2O.cap		
EMF.7.0315	EMF.7	7				Veg.str	FD.AG	FD.BG		FW.BG	H2O.cap	Nut.ret	
EMF.7.0316	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	Nut.ret		
EMF.7.0317	EMF.7	7	Ri.AG			Veg.str	Soil.het		FW.AG	FW.BG	Nut.ret		
EMF.7.0318	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.BG		C.stor	Nut.ret		
EMF.7.0319	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG	H2O.cap	Nut.ret		
EMF.7.0320	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG		Nut.ret		
EMF.7.0321	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG		C.stor	H2O.cap		
EMF.7.0322	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	FD.AG	FD.BG		Nut.ret			
EMF.7.0323	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.0324	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.BG	H2O.cap	Nut.ret	
EMF.7.0325	EMF.7	7	Ri.AG			Veg.str			FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.7.0326	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG	Nut.ret		
EMF.7.0327	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG	C.stor	Nut.ret		
EMF.7.0328	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.7.0329	EMF.7	7				Veg.str	Soil.het	FD.BG		C.stor	H2O.cap	Nut.ret	

EMF.7.0330	EMF.7	7	Ri.AG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.7.0331	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het					H2O.cap	Nut.ret
EMF.7.0332	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.7.0333	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.7.0334	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.7.0335	EMF.7	7	Ri.AG		Ri.BG				FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.7.0336	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor	
EMF.7.0337	EMF.7	7	Ri.AG			Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0338	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			Nut.ret
EMF.7.0339	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	
EMF.7.0340	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap
EMF.7.0341	EMF.7	7		Ri.BG		Veg.str	Soil.het		FD.BG				H2O.cap
EMF.7.0342	EMF.7	7	Ri.AG			Veg.str	Soil.het		FD.BG		FW.BG		Nut.ret
EMF.7.0343	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG			H2O.cap
EMF.7.0344	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG			H2O.cap
EMF.7.0345	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.AG			H2O.cap
EMF.7.0346	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.AG			Nut.ret
EMF.7.0347	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG				C.stor	H2O.cap
EMF.7.0348	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			Nut.ret
EMF.7.0349	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap
EMF.7.0350	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor	Nut.ret
EMF.7.0351	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	
EMF.7.0352	EMF.7	7	Ri.AG			Veg.str	Soil.het			FW.AG		C.stor	H2O.cap
EMF.7.0353	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap
EMF.7.0354	EMF.7	7				Veg.str		FD.AG	FD.BG		FW.BG	C.stor	Nut.ret
EMF.7.0355	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het					C.stor	
EMF.7.0356	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor	Nut.ret
EMF.7.0357	EMF.7	7		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG			H2O.cap
EMF.7.0358	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap
EMF.7.0359	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap
EMF.7.0360	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG		H2O.cap
EMF.7.0361	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				Nut.ret
EMF.7.0362	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.7.0363	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG		FW.BG	C.stor	Nut.ret
EMF.7.0364	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG					H2O.cap
EMF.7.0365	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG			C.stor	H2O.cap
EMF.7.0366	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG			H2O.cap
EMF.7.0367	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG				Nut.ret
EMF.7.0368	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret
EMF.7.0369	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor	Nut.ret
EMF.7.0370	EMF.7	7		Ri.BG	Ri.Plant		Soil.het			FW.AG			H2O.cap
EMF.7.0371	EMF.7	7	Ri.AG			Veg.str			FD.BG		FW.BG		H2O.cap
EMF.7.0372	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG			FW.BG		Nut.ret
EMF.7.0373	EMF.7	7	Ri.AG	Ri.BG		Veg.str				FW.AG			H2O.cap
EMF.7.0374	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG				H2O.cap
EMF.7.0375	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.0376	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.7.0377	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				Nut.ret
EMF.7.0378	EMF.7	7		Ri.BG		Veg.str			FD.BG			C.stor	H2O.cap
EMF.7.0379	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG				H2O.cap
EMF.7.0380	EMF.7	7			Ri.Plant	Veg.str				FW.AG		C.stor	H2O.cap
EMF.7.0381	EMF.7	7	Ri.AG				Soil.het		FD.BG	FW.AG			H2O.cap
EMF.7.0382	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG				H2O.cap
EMF.7.0383	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG			Nut.ret
EMF.7.0384	EMF.7	7				Veg.str		FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.7.0385	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			C.stor	H2O.cap
EMF.7.0386	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG			C.stor	
EMF.7.0387	EMF.7	7			Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor	Nut.ret
EMF.7.0388	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG			Nut.ret
EMF.7.0389	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG				Nut.ret
EMF.7.0390	EMF.7	7	Ri.AG			Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap
EMF.7.0391	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG			H2O.cap
EMF.7.0392	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG			C.stor	Nut.ret



EMF.7.0393	EMF.7	7	Ri.BG	Ri.Plant			FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.7.0394	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG	FW.AG		C.stor	H2O.cap
EMF.7.0395	EMF.7	7		Ri.Plant	Veg.str		FD.BG			C.stor	H2O.cap
EMF.7.0396	EMF.7	7		Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0397	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor	H2O.cap
EMF.7.0398	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.BG				H2O.cap
EMF.7.0399	EMF.7	7	Ri.AG	Ri.BG	Veg.str	Soil.het		FW.AG		C.stor	H2O.cap
EMF.7.0400	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			Nut.ret
EMF.7.0401	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap
EMF.7.0402	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	Nut.ret
EMF.7.0403	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG			C.stor	Nut.ret
EMF.7.0404	EMF.7	7	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	Nut.ret
EMF.7.0405	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.7.0406	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor
EMF.7.0407	EMF.7	7	Ri.AG	Ri.BG	Veg.str	Soil.het			FW.AG		H2O.cap
EMF.7.0408	EMF.7	7		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap
EMF.7.0409	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor
EMF.7.0410	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG		FW.AG		Nut.ret
EMF.7.0411	EMF.7	7	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap
EMF.7.0412	EMF.7	7		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	H2O.cap
EMF.7.0413	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor	H2O.cap
EMF.7.0414	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		C.stor	Nut.ret
EMF.7.0415	EMF.7	7	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		Nut.ret
EMF.7.0416	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor
EMF.7.0417	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG		C.stor	H2O.cap
EMF.7.0418	EMF.7	7		Ri.Plant		Soil.het		FD.BG	FW.AG		H2O.cap
EMF.7.0419	EMF.7	7	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG	H2O.cap
EMF.7.0420	EMF.7	7		Ri.Plant			FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.7.0421	EMF.7	7	Ri.AG	Ri.BG		Soil.het			FW.AG		H2O.cap
EMF.7.0422	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG
EMF.7.0423	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG			FW.BG
EMF.7.0424	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG		C.stor	H2O.cap
EMF.7.0425	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.BG		C.stor
EMF.7.0426	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.BG		FW.BG	C.stor
EMF.7.0427	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.7.0428	EMF.7	7	Ri.BG	Ri.Plant		Veg.str		FD.BG		C.stor	H2O.cap
EMF.7.0429	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.AG		FW.BG
EMF.7.0430	EMF.7	7	Ri.BG			Veg.str	Soil.het	FD.BG	FW.AG		C.stor
EMF.7.0431	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG
EMF.7.0432	EMF.7	7	Ri.BG			Veg.str	Soil.het		FD.BG		C.stor
EMF.7.0433	EMF.7	7	Ri.AG		Ri.Plant			Soil.het	FD.AG	FD.BG	
EMF.7.0434	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	
EMF.7.0435	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			Veg.str	Soil.het		FD.BG
EMF.7.0436	EMF.7	7	Ri.BG			Veg.str	Soil.het		FD.BG		C.stor
EMF.7.0437	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.BG		FW.BG
EMF.7.0438	EMF.7	7	Ri.AG					FD.BG	FW.AG	FW.BG	
EMF.7.0439	EMF.7	7	Ri.AG					FD.AG	FD.BG	FW.AG	
EMF.7.0440	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			Soil.het	FD.AG		
EMF.7.0441	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str	Soil.het			FW.BG
EMF.7.0442	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.AG		FW.BG
EMF.7.0443	EMF.7	7	Ri.AG			Veg.str			FD.BG		FW.BG
EMF.7.0444	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG	
EMF.7.0445	EMF.7	7		Ri.Plant		Veg.str	Soil.het	FD.AG			C.stor
EMF.7.0446	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.AG		FW.BG
EMF.7.0447	EMF.7	7	Ri.BG	Ri.Plant			Veg.str	FD.AG	FD.BG	FW.AG	
EMF.7.0448	EMF.7	7		Ri.Plant		Veg.str		FD.AG	FD.BG	FW.AG	
EMF.7.0449	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str	Soil.het			
EMF.7.0450	EMF.7	7	Ri.BG				Soil.het		FD.BG	FW.AG	
EMF.7.0451	EMF.7	7	Ri.AG				Veg.str		FD.BG		FW.BG
EMF.7.0452	EMF.7	7		Ri.Plant				FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.0453	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG		FW.BG
EMF.7.0454	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.AG		C.stor
EMF.7.0455	EMF.7	7		Ri.Plant			Veg.str		FD.BG	FW.AG	FW.BG

EMF.7.0456	EMF.7	7	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.BG			H2O.cap	Nut.ret		
EMF.7.0457	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.BG			H2O.cap	Nut.ret		
EMF.7.0458	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	FD.AG		C.stor	H2O.cap			
EMF.7.0459	EMF.7	7		Ri.BG	Ri.Plant		FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret		
EMF.7.0460	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.BG	FW.BG		Nut.ret		
EMF.7.0461	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		C.stor	H2O.cap		
EMF.7.0462	EMF.7	7	Ri.AG			Soil.het		FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.7.0463	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.BG		Nut.ret		
EMF.7.0464	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG		C.stor	Nut.ret		
EMF.7.0465	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		Nut.ret		
EMF.7.0466	EMF.7	7	Ri.AG		Ri.Plant		FD.AG	FD.BG	FW.AG		Nut.ret		
EMF.7.0467	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			H2O.cap		
EMF.7.0468	EMF.7	7	Ri.AG				FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0469	EMF.7	7		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.0470	EMF.7	7		Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.0471	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG				Nut.ret	
EMF.7.0472	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.BG		C.stor	H2O.cap		
EMF.7.0473	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.BG	H2O.cap		
EMF.7.0474	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG	H2O.cap		
EMF.7.0475	EMF.7	7		Ri.BG		Veg.str		FD.BG	FW.AG		C.stor	Nut.ret	
EMF.7.0476	EMF.7	7		Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0477	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG		FW.BG	C.stor		
EMF.7.0478	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		Nut.ret	
EMF.7.0479	EMF.7	7				Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.7.0480	EMF.7	7		Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.0481	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.7.0482	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG			H2O.cap	
EMF.7.0483	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			H2O.cap	
EMF.7.0484	EMF.7	7				Veg.str		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.0485	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.7.0486	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap	
EMF.7.0487	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.7.0488	EMF.7	7	Ri.AG			Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.7.0489	EMF.7	7				Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.7.0490	EMF.7	7		Ri.BG		Veg.str			FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.0491	EMF.7	7				Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.0492	EMF.7	7	Ri.AG		Ri.Plant			FD.AG		FW.BG	C.stor	H2O.cap	
EMF.7.0493	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		H2O.cap	Nut.ret
EMF.7.0494	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor		
EMF.7.0495	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	C.stor		Nut.ret
EMF.7.0496	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		H2O.cap	
EMF.7.0497	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG	H2O.cap	
EMF.7.0498	EMF.7	7	Ri.AG					FD.AG		FW.AG	C.stor	H2O.cap	Nut.ret
EMF.7.0499	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG			Nut.ret
EMF.7.0500	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG			Nut.ret
EMF.7.0501	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.7.0502	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het				C.stor		Nut.ret
EMF.7.0503	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG			Nut.ret
EMF.7.0504	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	C.stor		Nut.ret
EMF.7.0505	EMF.7	7			Ri.Plant			FD.AG		FW.AG	C.stor	H2O.cap	Nut.ret
EMF.7.0506	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het				C.stor	H2O.cap	
EMF.7.0507	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		Nut.ret
EMF.7.0508	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FD.BG		C.stor	H2O.cap	
EMF.7.0509	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.7.0510	EMF.7	7		Ri.BG	Ri.Plant				FW.AG		C.stor	H2O.cap	
EMF.7.0511	EMF.7	7		Ri.BG	Ri.Plant		Soil.het			FW.AG	C.stor	H2O.cap	Nut.ret
EMF.7.0512	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.7.0513	EMF.7	7			Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0514	EMF.7	7					Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.7.0515	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG			Nut.ret
EMF.7.0516	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			Nut.ret
EMF.7.0517	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG			H2O.cap
EMF.7.0518	EMF.7	7	Ri.AG	Ri.BG				FD.AG		FW.AG	C.stor	H2O.cap	



EMF.7.0519	EMF.7	7		Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG				Nut.ret	
EMF.7.0520	EMF.7	7		Ri.BG	Veg.str	Soil.het	FD.BG	FW.AG			H2O.cap		
EMF.7.0521	EMF.7	7	Ri.AG	Ri.BG	Veg.str			FW.AG	FW.BG		H2O.cap		
EMF.7.0522	EMF.7	7			Soil.het	FD.BG	FW.AG			C.stor	H2O.cap	Nut.ret	
EMF.7.0523	EMF.7	7			Veg.str	Soil.het	FD.BG	FW.AG	FW.BG	C.stor		Nut.ret	
EMF.7.0524	EMF.7	7	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.BG		FW.BG			Nut.ret	
EMF.7.0525	EMF.7	7	Ri.AG		Veg.str	Soil.het		FW.AG	FW.BG	C.stor			
EMF.7.0526	EMF.7	7		Ri.Plant		FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret	
EMF.7.0527	EMF.7	7	Ri.AG					FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.0528	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret	
EMF.7.0529	EMF.7	7	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG		FW.BG		Nut.ret	
EMF.7.0530	EMF.7	7	Ri.AG			Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret	
EMF.7.0531	EMF.7	7	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.7.0532	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG		Nut.ret	
EMF.7.0533	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor		
EMF.7.0534	EMF.7	7	Ri.AG	Ri.BG		Veg.str	FD.AG	FD.BG			C.stor	Nut.ret	
EMF.7.0535	EMF.7	7	Ri.AG		Ri.Plant		FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.0536	EMF.7	7		Ri.Plant		Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret	
EMF.7.0537	EMF.7	7			Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.0538	EMF.7	7		Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.7.0539	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG			C.stor	Nut.ret	
EMF.7.0540	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.BG		FW.BG		H2O.cap	
EMF.7.0541	EMF.7	7	Ri.AG			Soil.het		FD.BG	FW.AG		C.stor	Nut.ret	
EMF.7.0542	EMF.7	7	Ri.AG			Veg.str	Soil.het		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.0543	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG		FW.BG		Nut.ret	
EMF.7.0544	EMF.7	7			Veg.str	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.0545	EMF.7	7	Ri.AG		Ri.Plant		FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.7.0546	EMF.7	7	Ri.AG			Veg.str		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.0547	EMF.7	7		Ri.Plant		Veg.str		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.0548	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG			
EMF.7.0549	EMF.7	7		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.0550	EMF.7	7			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.7.0551	EMF.7	7		Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.0552	EMF.7	7	Ri.AG	Ri.BG					FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.0553	EMF.7	7		Ri.Plant		Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.0554	EMF.7	7	Ri.AG	Ri.BG					FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0555	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.0556	EMF.7	7		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.7.0557	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG		Nut.ret	
EMF.7.0558	EMF.7	7		Ri.Plant	Veg.str		FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.7.0559	EMF.7	7			Veg.str	Soil.het		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.0560	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.7.0561	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.7.0562	EMF.7	7	Ri.AG		Ri.Plant			FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.7.0563	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor	Nut.ret
EMF.7.0564	EMF.7	7		Ri.Plant				FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.0565	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG		Nut.ret	
EMF.7.0566	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FD.BG		C.stor	H2O.cap	
EMF.7.0567	EMF.7	7		Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.7.0568	EMF.7	7	Ri.AG		Ri.Plant			FD.BG	FW.AG		C.stor	Nut.ret	
EMF.7.0569	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.7.0570	EMF.7	7			Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.0571	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FW.AG			H2O.cap	Nut.ret
EMF.7.0572	EMF.7	7				Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0573	EMF.7	7		Ri.Plant		Soil.het		FD.BG	FW.AG		C.stor	Nut.ret	
EMF.7.0574	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		C.stor	Nut.ret	
EMF.7.0575	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		C.stor	H2O.cap	
EMF.7.0576	EMF.7	7		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.0577	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG			H2O.cap	
EMF.7.0578	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	C.stor	H2O.cap	
EMF.7.0579	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG		H2O.cap	
EMF.7.0580	EMF.7	7		Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.0581	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG		FW.BG		H2O.cap	Nut.ret

EMF.7.0582	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het					H2O.cap	Nut.ret
EMF.7.0583	EMF.7	7			Ri.Plant	Soil.het	FD.AG	FW.AG	C.stor			Nut.ret
EMF.7.0584	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FW.AG	FW.BG			
EMF.7.0585	EMF.7	7				Veg.str	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.0586	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG		H2O.cap	
EMF.7.0587	EMF.7	7	Ri.AG		Ri.Plant	Soil.het				C.stor	H2O.cap	Nut.ret
EMF.7.0588	EMF.7	7	Ri.AG			Veg.str		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.0589	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG		C.stor	
EMF.7.0590	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor	Nut.ret
EMF.7.0591	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0592	EMF.7	7		Ri.BG	Ri.Plant				FW.AG		C.stor	H2O.cap
EMF.7.0593	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap	
EMF.7.0594	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.0595	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG			
EMF.7.0596	EMF.7	7		Ri.BG				FD.BG	FW.AG		C.stor	H2O.cap
EMF.7.0597	EMF.7	7	Ri.AG		Ri.Plant			FD.AG		FW.BG	H2O.cap	Nut.ret
EMF.7.0598	EMF.7	7		Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0599	EMF.7	7			Ri.Plant	Veg.str		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.0600	EMF.7	7			Ri.Plant				FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0601	EMF.7	7			Ri.Plant	Veg.str			FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.7.0602	EMF.7	7		Ri.BG		Veg.str	Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.7.0603	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	H2O.cap	
EMF.7.0604	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	H2O.cap	
EMF.7.0605	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		H2O.cap	
EMF.7.0606	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FW.AG		C.stor	Nut.ret
EMF.7.0607	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.0608	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG		Nut.ret
EMF.7.0609	EMF.7	7		Ri.BG		Veg.str		FD.AG		FW.AG	C.stor	H2O.cap
EMF.7.0610	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			H2O.cap	
EMF.7.0611	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor	Nut.ret
EMF.7.0612	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.BG	C.stor	H2O.cap
EMF.7.0613	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.BG			C.stor	Nut.ret
EMF.7.0614	EMF.7	7	Ri.AG		Ri.Plant		Soil.het			FW.BG	C.stor	H2O.cap
EMF.7.0615	EMF.7	7				Veg.str		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.0616	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.0617	EMF.7	7	Ri.AG				Soil.het		FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.0618	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	C.stor	Nut.ret
EMF.7.0619	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FW.AG		C.stor	
EMF.7.0620	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG		
EMF.7.0621	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.BG			C.stor	H2O.cap
EMF.7.0622	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		H2O.cap	
EMF.7.0623	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG		
EMF.7.0624	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		C.stor	H2O.cap
EMF.7.0625	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap	Nut.ret
EMF.7.0626	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het				C.stor	H2O.cap
EMF.7.0627	EMF.7	7		Ri.BG				FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.7.0628	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG		C.stor	Nut.ret
EMF.7.0629	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor	H2O.cap
EMF.7.0630	EMF.7	7	Ri.AG		Ri.Plant			FD.AG			C.stor	H2O.cap
EMF.7.0631	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.7.0632	EMF.7	7						FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.7.0633	EMF.7	7	Ri.AG		Ri.Plant		Soil.het			FW.BG	C.stor	Nut.ret
EMF.7.0634	EMF.7	7			Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0635	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG			
EMF.7.0636	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0637	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG			H2O.cap	Nut.ret
EMF.7.0638	EMF.7	7				Veg.str			FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.0639	EMF.7	7		Ri.BG		Veg.str			FW.AG		C.stor	H2O.cap
EMF.7.0640	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG		Nut.ret
EMF.7.0641	EMF.7	7	Ri.AG				Soil.het	FD.AG	FW.AG		C.stor	Nut.ret
EMF.7.0642	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG			
EMF.7.0643	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG		C.stor	
EMF.7.0644	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.BG	H2O.cap	Nut.ret

EMF.7.0645	EMF.7	7	Ri.AG	Ri.Plant		FD.AG	FD.BG	FW.BG		Nut.ret
EMF.7.0646	EMF.7	7	Ri.AG			FD.AG		FW.AG	FW.BG	H2O.cap
EMF.7.0647	EMF.7	7	Ri.AG	Ri.BG	Soil.het			FW.AG	FW.BG	Nut.ret
EMF.7.0648	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG		FW.BG	H2O.cap
EMF.7.0649	EMF.7	7	Ri.AG	Ri.BG			FD.BG	FW.AG	FW.BG	H2O.cap
EMF.7.0650	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.BG	C.stor
EMF.7.0651	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.BG	C.stor
EMF.7.0652	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		Nut.ret
EMF.7.0653	EMF.7	7		Ri.BG	Ri.Plant	Soil.het		FD.BG	FW.AG	C.stor
EMF.7.0654	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het		FD.BG		H2O.cap
EMF.7.0655	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG
EMF.7.0656	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.BG	C.stor
EMF.7.0657	EMF.7	7	Ri.AG		Ri.Plant	Soil.het		FD.BG	FW.BG	C.stor
EMF.7.0658	EMF.7	7		Ri.BG	Ri.Plant	Soil.het	FD.AG		FW.AG	H2O.cap
EMF.7.0659	EMF.7	7		Ri.BG	Ri.Plant	Soil.het			FW.AG	FW.BG
EMF.7.0660	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		H2O.cap
EMF.7.0661	EMF.7	7	Ri.AG		Veg.str	Soil.het			FW.AG	FW.BG
EMF.7.0662	EMF.7	7			Veg.str	Soil.het		FD.BG	FW.BG	H2O.cap
EMF.7.0663	EMF.7	7		Ri.BG		Veg.str		FD.BG	FW.BG	C.stor
EMF.7.0664	EMF.7	7		Ri.BG				FD.BG	FW.AG	FW.BG
EMF.7.0665	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		C.stor
EMF.7.0666	EMF.7	7		Ri.BG		Veg.str		FD.BG	FW.BG	C.stor
EMF.7.0667	EMF.7	7	Ri.AG	Ri.BG		Soil.het			FW.AG	FW.BG
EMF.7.0668	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	H2O.cap
EMF.7.0669	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het		FD.BG		C.stor
EMF.7.0670	EMF.7	7	Ri.AG		Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG
EMF.7.0671	EMF.7	7	Ri.AG	Ri.BG					FW.AG	FW.BG
EMF.7.0672	EMF.7	7			Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG
EMF.7.0673	EMF.7	7	Ri.AG			Soil.het		FD.BG	FW.AG	FW.BG
EMF.7.0674	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG
EMF.7.0675	EMF.7	7		Ri.BG		Veg.str			FW.AG	FW.BG
EMF.7.0676	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	H2O.cap
EMF.7.0677	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG
EMF.7.0678	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG
EMF.7.0679	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG	C.stor
EMF.7.0680	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG
EMF.7.0681	EMF.7	7	Ri.AG		Ri.Plant	Soil.het			FW.BG	C.stor
EMF.7.0682	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het		FD.BG		FW.BG
EMF.7.0683	EMF.7	7	Ri.AG			Veg.str	Soil.het		FW.AG	FW.BG
EMF.7.0684	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG
EMF.7.0685	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG
EMF.7.0686	EMF.7	7				Veg.str	Soil.het		FD.BG	FW.AG
EMF.7.0687	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.BG
EMF.7.0688	EMF.7	7				Veg.str	Soil.het		FW.AG	FW.BG
EMF.7.0689	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.BG
EMF.7.0690	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG
EMF.7.0691	EMF.7	7				Veg.str		FD.AG	FD.BG	FW.AG
EMF.7.0692	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	H2O.cap
EMF.7.0693	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG
EMF.7.0694	EMF.7	7						FD.AG	FD.BG	FW.AG
EMF.7.0695	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG
EMF.7.0696	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		C.stor
EMF.7.0697	EMF.7	7						FD.BG	FW.AG	FW.BG
EMF.7.0698	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG
EMF.7.0699	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG
EMF.7.0700	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG
EMF.7.0701	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG
EMF.7.0702	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	
EMF.7.0703	EMF.7	7				Veg.str	Soil.het	FD.AG		FW.AG
EMF.7.0704	EMF.7	7	Ri.AG		Ri.Plant			FD.AG		FW.AG
EMF.7.0705	EMF.7	7			Ri.Plant		Soil.het		FW.AG	FW.BG
EMF.7.0706	EMF.7	7		Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG
EMF.7.0707	EMF.7	7	Ri.AG		Ri.Plant		Soil.het	FD.BG		FW.BG

EMF.7.0708	EMF.7	7	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.7.0709	EMF.7	7		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.7.0710	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor	Nut.ret
EMF.7.0711	EMF.7	7	Ri.AG		Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.7.0712	EMF.7	7	Ri.BG		Veg.str	Soil.het		FD.BG	FW.BG	C.stor	Nut.ret
EMF.7.0713	EMF.7	7	Ri.AG	Ri.BG			FD.AG		FW.AG		H2O.cap
EMF.7.0714	EMF.7	7		Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap
EMF.7.0715	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.7.0716	EMF.7	7	Ri.AG		Veg.str		FD.AG		FW.AG	FW.BG	
EMF.7.0717	EMF.7	7	Ri.AG	Ri.BG				FD.BG		FW.BG	C.stor
EMF.7.0718	EMF.7	7	Ri.AG		Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	
EMF.7.0719	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.BG			C.stor
EMF.7.0720	EMF.7	7	Ri.AG		Ri.Plant	Soil.het		FD.BG			H2O.cap
EMF.7.0721	EMF.7	7			Veg.str	Soil.het	FD.AG		FW.AG		C.stor
EMF.7.0722	EMF.7	7	Ri.AG			Soil.het		FD.BG	FW.AG	FW.BG	
EMF.7.0723	EMF.7	7	Ri.BG			Soil.het		FD.BG	FW.AG		H2O.cap
EMF.7.0724	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		C.stor
EMF.7.0725	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.AG		H2O.cap
EMF.7.0726	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG
EMF.7.0727	EMF.7	7	Ri.AG			Soil.het		FD.BG	FW.AG		C.stor
EMF.7.0728	EMF.7	7	Ri.AG		Ri.Plant		FD.AG	FD.BG		FW.BG	
EMF.7.0729	EMF.7	7	Ri.AG				FD.AG	FD.BG	FW.AG	FW.BG	
EMF.7.0730	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	
EMF.7.0731	EMF.7	7	Ri.BG		Veg.str	Soil.het			FW.AG		C.stor
EMF.7.0732	EMF.7	7		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	
EMF.7.0733	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor
EMF.7.0734	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap
EMF.7.0735	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG			FW.BG
EMF.7.0736	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG			FW.BG	
EMF.7.0737	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			C.stor
EMF.7.0738	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG		FW.AG		Nut.ret
EMF.7.0739	EMF.7	7	Ri.AG	Ri.BG		Veg.str			FW.AG	FW.BG	C.stor
EMF.7.0740	EMF.7	7	Ri.AG			Soil.het	FD.AG		FW.AG	FW.BG	
EMF.7.0741	EMF.7	7	Ri.AG			Soil.het	FD.AG		FW.AG	FW.BG	
EMF.7.0742	EMF.7	7	Ri.AG			Veg.str		FD.AG			C.stor
EMF.7.0743	EMF.7	7	Ri.AG		Ri.Plant	Soil.het				FW.BG	
EMF.7.0744	EMF.7	7	Ri.AG		Ri.Plant	Soil.het		FD.BG		FW.BG	
EMF.7.0745	EMF.7	7	Ri.AG		Ri.Plant		FD.AG	FD.BG			C.stor
EMF.7.0746	EMF.7	7		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	
EMF.7.0747	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FD.BG			Nut.ret
EMF.7.0748	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor
EMF.7.0749	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	
EMF.7.0750	EMF.7	7	Ri.AG		Ri.Plant		FD.AG	FD.BG	FW.AG		C.stor
EMF.7.0751	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			
EMF.7.0752	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				Nut.ret
EMF.7.0753	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		H2O.cap
EMF.7.0754	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap
EMF.7.0755	EMF.7	7	Ri.AG		Veg.str				FW.AG	FW.BG	C.stor
EMF.7.0756	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			Nut.ret
EMF.7.0757	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG	
EMF.7.0758	EMF.7	7	Ri.BG			Soil.het			FW.AG		C.stor
EMF.7.0759	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		Nut.ret
EMF.7.0760	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor
EMF.7.0761	EMF.7	7	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	
EMF.7.0762	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG	
EMF.7.0763	EMF.7	7	Ri.AG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor
EMF.7.0764	EMF.7	7	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	
EMF.7.0765	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	
EMF.7.0766	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		H2O.cap
EMF.7.0767	EMF.7	7		Ri.Plant	Veg.str	Soil.het					C.stor
EMF.7.0768	EMF.7	7	Ri.AG		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG		
EMF.7.0769	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor
EMF.7.0770	EMF.7	7	Ri.BG			Soil.het	FD.AG		FW.AG		C.stor

EMF.7.0771	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG		FW.BG	C.stor	Nut.ret
EMF.7.0772	EMF.7	7	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor	
EMF.7.0773	EMF.7	7	Ri.AG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor
EMF.7.0774	EMF.7	7	Ri.AG	Ri.BG		Veg.str			FW.AG		H2O.cap
EMF.7.0775	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor
EMF.7.0776	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		H2O.cap
EMF.7.0777	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	H2O.cap
EMF.7.0778	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	C.stor
EMF.7.0779	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor
EMF.7.0780	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	H2O.cap
EMF.7.0781	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	Nut.ret
EMF.7.0782	EMF.7	7	Ri.AG			Veg.str	Soil.het				C.stor
EMF.7.0783	EMF.7	7			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.7.0784	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		H2O.cap
EMF.7.0785	EMF.7	7	Ri.AG	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG
EMF.7.0786	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		H2O.cap
EMF.7.0787	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	Nut.ret
EMF.7.0788	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	C.stor
EMF.7.0789	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	H2O.cap
EMF.7.0790	EMF.7	7	Ri.AG		Ri.Plant			FD.AG		FW.BG	C.stor
EMF.7.0791	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	H2O.cap
EMF.7.0792	EMF.7	7	Ri.AG			Veg.str	Soil.het			FW.BG	C.stor
EMF.7.0793	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	Nut.ret
EMF.7.0794	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	H2O.cap
EMF.7.0795	EMF.7	7		Ri.BG	Ri.Plant			FD.AG		FW.AG	H2O.cap
EMF.7.0796	EMF.7	7		Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG
EMF.7.0797	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FD.BG		FW.BG
EMF.7.0798	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	C.stor
EMF.7.0799	EMF.7	7				Veg.str	Soil.het			FW.AG	FW.BG
EMF.7.0800	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		H2O.cap
EMF.7.0801	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG
EMF.7.0802	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant					FW.AG	FW.BG
EMF.7.0803	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.0804	EMF.7	7				Veg.str		FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.0805	EMF.7	7		Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG
EMF.7.0806	EMF.7	7	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.7.0807	EMF.7	7	Ri.AG		Ri.Plant					FW.AG	FW.BG
EMF.7.0808	EMF.7	7		Ri.BG		Veg.str			FD.BG		FW.BG
EMF.7.0809	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG			H2O.cap
EMF.7.0810	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	Nut.ret
EMF.7.0811	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG
EMF.7.0812	EMF.7	7				Veg.str	Soil.het	FD.AG			FW.BG
EMF.7.0813	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.7.0814	EMF.7	7	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	Nut.ret
EMF.7.0815	EMF.7	7			Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG
EMF.7.0816	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG
EMF.7.0817	EMF.7	7		Ri.BG			Soil.het			FW.AG	FW.BG
EMF.7.0818	EMF.7	7		Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG
EMF.7.0819	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor
EMF.7.0820	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	H2O.cap
EMF.7.0821	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG			FW.BG
EMF.7.0822	EMF.7	7	Ri.AG		Ri.Plant	Veg.str					C.stor
EMF.7.0823	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor
EMF.7.0824	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG
EMF.7.0825	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het				FW.BG
EMF.7.0826	EMF.7	7		Ri.BG	Ri.Plant					FW.AG	FW.BG
EMF.7.0827	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	H2O.cap
EMF.7.0828	EMF.7	7					Soil.het	FD.AG		FW.AG	C.stor
EMF.7.0829	EMF.7	7				Veg.str	Soil.het	FD.AG			C.stor
EMF.7.0830	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG
EMF.7.0831	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			C.stor
EMF.7.0832	EMF.7	7	Ri.AG		Ri.Plant	Veg.str					FW.BG
EMF.7.0833	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.BG	C.stor





EMF.7.0897	EMF.7	7	Ri.BG	Ri.Plant	Soil.het	FD.AG	FW.AG	C.stor		
EMF.7.0898	EMF.7	7	Ri.BG	Ri.Plant	Soil.het		FD.BG	FW.AG	C.stor	
EMF.7.0899	EMF.7	7		Ri.Plant	Veg.str		FD.BG	FW.BG	C.stor	Nut.ret
EMF.7.0900	EMF.7	7	Ri.BG		Veg.str	FD.AG	FW.AG		H2O.cap	Nut.ret
EMF.7.0901	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het			C.stor	H2O.cap
EMF.7.0902	EMF.7	7	Ri.BG		Veg.str		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.7.0903	EMF.7	7	Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.7.0904	EMF.7	7	Ri.AG			Soil.het	FD.AG	FW.AG	FW.BG	C.stor
EMF.7.0905	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FW.AG		C.stor
EMF.7.0906	EMF.7	7	Ri.AG		Veg.str	Soil.het			FW.BG	H2O.cap
EMF.7.0907	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FW.AG	FW.BG	C.stor
EMF.7.0908	EMF.7	7		Ri.Plant			FD.AG	FW.AG	FW.BG	C.stor
EMF.7.0909	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG		C.stor
EMF.7.0910	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FW.AG	C.stor
EMF.7.0911	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG	FW.BG
EMF.7.0912	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.BG	FW.AG	FW.BG
EMF.7.0913	EMF.7	7		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG
EMF.7.0914	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor
EMF.7.0915	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	H2O.cap
EMF.7.0916	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	H2O.cap
EMF.7.0917	EMF.7	7		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.0918	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	H2O.cap
EMF.7.0919	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.BG
EMF.7.0920	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG
EMF.7.0921	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.7.0922	EMF.7	7		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.0923	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.AG		C.stor
EMF.7.0924	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG			C.stor
EMF.7.0925	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	
EMF.7.0926	EMF.7	7	Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG
EMF.7.0927	EMF.7	7		Ri.Plant	Veg.str	Soil.het				FW.BG
EMF.7.0928	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het			C.stor
EMF.7.0929	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG		FW.BG
EMF.7.0930	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	
EMF.7.0931	EMF.7	7		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG
EMF.7.0932	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG
EMF.7.0933	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.0934	EMF.7	7	Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor
EMF.7.0935	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.0936	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.BG
EMF.7.0937	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG
EMF.7.0938	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.BG
EMF.7.0939	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG
EMF.7.0940	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG
EMF.7.0941	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.AG
EMF.7.0942	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG
EMF.7.0943	EMF.7	7			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG
EMF.7.0944	EMF.7	7		Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG
EMF.7.0945	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG
EMF.7.0946	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.0947	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG
EMF.7.0948	EMF.7	7	Ri.AG			Veg.str			FW.AG	FW.BG
EMF.7.0949	EMF.7	7		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.0950	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.AG		FW.AG
EMF.7.0951	EMF.7	7	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG
EMF.7.0952	EMF.7	7	Ri.AG					FD.BG	FW.AG	FW.BG
EMF.7.0953	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG
EMF.7.0954	EMF.7	7	Ri.AG					FD.AG	FD.BG	FW.AG
EMF.7.0955	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor
EMF.7.0956	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	
EMF.7.0957	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	
EMF.7.0958	EMF.7	7	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.BG
EMF.7.0959	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG



EMF.7.0960	EMF.7	7		Ri.Plant	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap				
EMF.7.0961	EMF.7	7	Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG		Nut.ret			
EMF.7.0962	EMF.7	7	Ri.AG	Ri.BG			FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret		
EMF.7.0963	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FW.AG	FW.BG		Nut.ret			
EMF.7.0964	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.BG	C.stor	H2O.cap	Nut.ret		
EMF.7.0965	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.BG	C.stor	H2O.cap			
EMF.7.0966	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG	FW.BG				
EMF.7.0967	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FW.AG	FW.BG	C.stor	Nut.ret		
EMF.7.0968	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.BG	FW.AG		C.stor			
EMF.7.0969	EMF.7	7			Ri.Plant		Soil.het	FD.BG	FW.AG	FW.BG		Nut.ret		
EMF.7.0970	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap		
EMF.7.0971	EMF.7	7	Ri.AG			Veg.str		FD.AG	FW.AG	FW.BG	H2O.cap	Nut.ret		
EMF.7.0972	EMF.7	7		Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor			
EMF.7.0973	EMF.7	7	Ri.AG	Ri.BG			Veg.str		FD.AG		H2O.cap	Nut.ret		
EMF.7.0974	EMF.7	7			Ri.Plant		Veg.str	Soil.het		FW.BG	C.stor	Nut.ret		
EMF.7.0975	EMF.7	7			Ri.Plant			Soil.het	FD.AG		C.stor	H2O.cap	Nut.ret	
EMF.7.0976	EMF.7	7			Ri.Plant		Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	Nut.ret		
EMF.7.0977	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str			FW.BG	H2O.cap			
EMF.7.0978	EMF.7	7		Ri.BG			Veg.str		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.0979	EMF.7	7		Ri.BG	Ri.Plant			Soil.het	FD.AG	FD.BG	FW.AG	H2O.cap		
EMF.7.0980	EMF.7	7		Ri.BG	Ri.Plant				FD.AG	FW.AG	FW.BG	H2O.cap		
EMF.7.0981	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.AG		FW.BG	H2O.cap	Nut.ret	
EMF.7.0982	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.AG		C.stor	H2O.cap	Nut.ret	
EMF.7.0983	EMF.7	7	Ri.AG	Ri.BG				Soil.het		FW.AG	FW.BG	C.stor		
EMF.7.0984	EMF.7	7	Ri.AG	Ri.BG			Veg.str			FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.7.0985	EMF.7	7	Ri.AG					Soil.het	FD.AG	FD.BG	FW.AG	C.stor		
EMF.7.0986	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str				C.stor	H2O.cap	Nut.ret	
EMF.7.0987	EMF.7	7	Ri.AG					Soil.het	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.0988	EMF.7	7	Ri.AG	Ri.BG			Veg.str	Soil.het	FD.BG	FW.AG		C.stor		
EMF.7.0989	EMF.7	7		Ri.BG	Ri.Plant			Soil.het	FD.BG	FW.AG	FW.BG	H2O.cap		
EMF.7.0990	EMF.7	7		Ri.BG	Ri.Plant		Veg.str	Soil.het	FD.AG	FW.AG	C.stor			
EMF.7.0991	EMF.7	7	Ri.AG		Ri.Plant			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.7.0992	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str	Soil.het		FD.BG	FW.AG			
EMF.7.0993	EMF.7	7			Ri.Plant		Veg.str	Soil.het	FD.AG		FW.BG	H2O.cap	Nut.ret	
EMF.7.0994	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str		FD.AG	FW.AG		Nut.ret		
EMF.7.0995	EMF.7	7	Ri.AG	Ri.BG			Veg.str	Soil.het		FW.AG	FW.BG		Nut.ret	
EMF.7.0996	EMF.7	7	Ri.AG	Ri.BG					FD.AG	FD.BG	FW.AG		Nut.ret	
EMF.7.0997	EMF.7	7	Ri.AG				Veg.str	Soil.het	FD.AG		C.stor	H2O.cap	Nut.ret	
EMF.7.0998	EMF.7	7			Ri.Plant			Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret
EMF.7.0999	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str			FW.BG	C.stor	H2O.cap		
EMF.7.1000	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.AG	FD.BG	FW.BG	C.stor		
EMF.7.1001	EMF.7	7		Ri.BG	Ri.Plant		Veg.str			FD.BG	FW.BG	C.stor	Nut.ret	
EMF.7.1002	EMF.7	7	Ri.AG	Ri.BG			Veg.str		FD.AG	FW.AG			Nut.ret	
EMF.7.1003	EMF.7	7	Ri.AG						FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.1004	EMF.7	7	Ri.AG						FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1005	EMF.7	7		Ri.BG			Veg.str	Soil.het	FD.AG	FW.AG			Nut.ret	
EMF.7.1006	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str				FW.BG	H2O.cap	Nut.ret	
EMF.7.1007	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			Soil.het		FD.BG	FW.BG	H2O.cap		
EMF.7.1008	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Veg.str	Soil.het	FD.AG	FW.AG				
EMF.7.1009	EMF.7	7	Ri.AG		Ri.Plant		Veg.str		FD.AG		FW.BG	C.stor		
EMF.7.1010	EMF.7	7			Ri.Plant			Soil.het	FD.AG	FD.BG		C.stor	Nut.ret	
EMF.7.1011	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.AG	FW.AG	FW.BG		Nut.ret	
EMF.7.1012	EMF.7	7	Ri.AG	Ri.BG						FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1013	EMF.7	7	Ri.AG				Veg.str		FD.AG	FD.BG	FW.AG	C.stor		
EMF.7.1014	EMF.7	7	Ri.AG	Ri.BG						FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.1015	EMF.7	7	Ri.AG						FD.AG	FD.BG	FW.AG	C.stor	Nut.ret	
EMF.7.1016	EMF.7	7		Ri.BG				Soil.het		FD.BG	FW.AG	C.stor	Nut.ret	
EMF.7.1017	EMF.7	7	Ri.AG	Ri.BG					FD.AG	FD.BG	FW.AG	C.stor	H2O.cap	
EMF.7.1018	EMF.7	7		Ri.BG	Ri.Plant		Veg.str	Soil.het	FD.AG			H2O.cap	Nut.ret	
EMF.7.1019	EMF.7	7		Ri.BG			Veg.str	Soil.het		FW.AG	FW.BG	H2O.cap		
EMF.7.1020	EMF.7	7		Ri.BG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1021	EMF.7	7		Ri.BG	Ri.Plant		Veg.str			FD.BG	FW.BG	H2O.cap		
EMF.7.1022	EMF.7	7	Ri.AG	Ri.BG				Soil.het	FD.AG	FW.AG	C.stor			

EMF.7.1023	EMF.7	7	Ri.AG			Soil.het			FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1024	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FD.BG		FW.BG			Nut.ret
EMF.7.1025	EMF.7	7			Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1026	EMF.7	7			Ri.Plant	Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret
EMF.7.1027	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor		Nut.ret
EMF.7.1028	EMF.7	7	Ri.AG	Ri.BG				FD.BG	FW.AG		C.stor		Nut.ret
EMF.7.1029	EMF.7	7		Ri.BG	Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.7.1030	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG			C.stor		Nut.ret
EMF.7.1031	EMF.7	7		Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.7.1032	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	
EMF.7.1033	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		C.stor		
EMF.7.1034	EMF.7	7	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			
EMF.7.1035	EMF.7	7			Ri.Plant	Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.1036	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor		
EMF.7.1037	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	C.stor	
EMF.7.1038	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG			Nut.ret
EMF.7.1039	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		
EMF.7.1040	EMF.7	7			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret
EMF.7.1041	EMF.7	7	Ri.AG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.1042	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.7.1043	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor		Nut.ret
EMF.7.1044	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.1045	EMF.7	7	Ri.AG	Ri.BG		Veg.str			FW.AG		C.stor		Nut.ret
EMF.7.1046	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.7.1047	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	C.stor		
EMF.7.1048	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.7.1049	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	C.stor		
EMF.7.1050	EMF.7	7			Ri.Plant	Veg.str		FD.AG			FW.BG	H2O.cap	Nut.ret
EMF.7.1051	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.7.1052	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG	H2O.cap	
EMF.7.1053	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG				Nut.ret
EMF.7.1054	EMF.7	7				Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.7.1055	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		C.stor		
EMF.7.1056	EMF.7	7				Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.1057	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor		Nut.ret
EMF.7.1058	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor		Nut.ret
EMF.7.1059	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG			Nut.ret
EMF.7.1060	EMF.7	7	Ri.AG						FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1061	EMF.7	7				Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.7.1062	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			
EMF.7.1063	EMF.7	7			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.7.1064	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			C.stor	H2O.cap	
EMF.7.1065	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG		
EMF.7.1066	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG			H2O.cap	Nut.ret
EMF.7.1067	EMF.7	7	Ri.AG		Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	
EMF.7.1068	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.1069	EMF.7	7	Ri.AG				Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.7.1070	EMF.7	7			Ri.Plant	Veg.str	Soil.het			FW.BG		H2O.cap	Nut.ret
EMF.7.1071	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.7.1072	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				
EMF.7.1073	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	
EMF.7.1074	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.7.1075	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	
EMF.7.1076	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG			FW.BG		H2O.cap
EMF.7.1077	EMF.7	7						FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.7.1078	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG				H2O.cap	Nut.ret
EMF.7.1079	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.BG	C.stor		
EMF.7.1080	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		C.stor		Nut.ret
EMF.7.1081	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.7.1082	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap
EMF.7.1083	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor		
EMF.7.1084	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap	
EMF.7.1085	EMF.7	7			Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret

EMF.7.1086	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG					H2O.cap	Nut.ret
EMF.7.1087	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.7.1088	EMF.7	7	Ri.AG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1089	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG				C.stor		Nut.ret
EMF.7.1090	EMF.7	7		Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.7.1091	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor		Nut.ret
EMF.7.1092	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.7.1093	EMF.7	7	Ri.BG				FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.1094	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.BG			Nut.ret
EMF.7.1095	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.7.1096	EMF.7	7	Ri.AG		Ri.Plant	Veg.str				FW.BG	C.stor		Nut.ret
EMF.7.1097	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG		FW.AG		C.stor		Nut.ret
EMF.7.1098	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor		Nut.ret
EMF.7.1099	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.7.1100	EMF.7	7					FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1101	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1102	EMF.7	7	Ri.AG		Ri.Plant			FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.1103	EMF.7	7		Ri.Plant			FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.1104	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.7.1105	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	
EMF.7.1106	EMF.7	7	Ri.BG				FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.1107	EMF.7	7	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.7.1108	EMF.7	7	Ri.AG	Ri.BG	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	
EMF.7.1109	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FD.BG			C.stor	H2O.cap	
EMF.7.1110	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.BG			C.stor	H2O.cap	
EMF.7.1111	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.BG		FW.BG	C.stor		
EMF.7.1112	EMF.7	7			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1113	EMF.7	7	Ri.AG	Ri.BG	Veg.str			FD.BG	FW.AG		C.stor		
EMF.7.1114	EMF.7	7	Ri.BG			Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.1115	EMF.7	7	Ri.AG		Ri.Plant		FD.AG	FD.BG		FW.BG	C.stor		
EMF.7.1116	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG				
EMF.7.1117	EMF.7	7	Ri.BG						FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1118	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.7.1119	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG			C.stor		
EMF.7.1120	EMF.7	7	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor		
EMF.7.1121	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.7.1122	EMF.7	7	Ri.BG			Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.7.1123	EMF.7	7			Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1124	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor	
EMF.7.1125	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor		
EMF.7.1126	EMF.7	7	Ri.AG		Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1127	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG				C.stor	H2O.cap	Nut.ret
EMF.7.1128	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG				Nut.ret
EMF.7.1129	EMF.7	7			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.7.1130	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.7.1131	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1132	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG			Nut.ret
EMF.7.1133	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor		
EMF.7.1134	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG		C.stor		
EMF.7.1135	EMF.7	7	Ri.AG		Ri.Plant			FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.7.1136	EMF.7	7	Ri.AG		Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1137	EMF.7	7	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG			FW.BG			Nut.ret
EMF.7.1138	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG		H2O.cap	Nut.ret
EMF.7.1139	EMF.7	7			Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.7.1140	EMF.7	7	Ri.AG		Ri.Plant			FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.1141	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			C.stor		
EMF.7.1142	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str					C.stor		Nut.ret
EMF.7.1143	EMF.7	7	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.7.1144	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor		
EMF.7.1145	EMF.7	7		Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.7.1146	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.7.1147	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG			C.stor		Nut.ret
EMF.7.1148	EMF.7	7		Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	

EMF.7.1149	EMF.7	7	Ri.BG	Ri.Plant	Soil.het	FD.AG			C.stor	H2O.cap	Nut.ret
EMF.7.1150	EMF.7	7		Ri.Plant	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1151	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG		C.stor	
EMF.7.1152	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor
EMF.7.1153	EMF.7	7	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.BG		H2O.cap
EMF.7.1154	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FW.AG		C.stor	
EMF.7.1155	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FW.AG		C.stor	
EMF.7.1156	EMF.7	7		Ri.BG	Ri.Plant			FD.BG	FW.AG	C.stor	Nut.ret
EMF.7.1157	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		C.stor	Nut.ret
EMF.7.1158	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	
EMF.7.1159	EMF.7	7		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1160	EMF.7	7	Ri.AG		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap
EMF.7.1161	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap
EMF.7.1162	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG		H2O.cap
EMF.7.1163	EMF.7	7		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		Nut.ret
EMF.7.1164	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FW.BG		H2O.cap
EMF.7.1165	EMF.7	7		Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG	Nut.ret
EMF.7.1166	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FW.AG	FW.BG	H2O.cap
EMF.7.1167	EMF.7	7		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap
EMF.7.1168	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.7.1169	EMF.7	7				Soil.het	FD.AG	FD.BG	FW.AG		C.stor
EMF.7.1170	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	H2O.cap
EMF.7.1171	EMF.7	7		Ri.BG		Veg.str		FD.AG	FW.AG	FW.BG	C.stor
EMF.7.1172	EMF.7	7	Ri.AG				FD.AG		FW.AG	FW.BG	C.stor
EMF.7.1173	EMF.7	7		Ri.BG		Veg.str		FD.AG	FW.AG		C.stor
EMF.7.1174	EMF.7	7		Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap
EMF.7.1175	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG
EMF.7.1176	EMF.7	7		Ri.BG		Veg.str			FW.AG	FW.BG	C.stor
EMF.7.1177	EMF.7	7	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG
EMF.7.1178	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	H2O.cap
EMF.7.1179	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.1180	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	Nut.ret
EMF.7.1181	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG			H2O.cap
EMF.7.1182	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG	
EMF.7.1183	EMF.7	7		Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.7.1184	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG	Nut.ret
EMF.7.1185	EMF.7	7				Veg.str		FD.AG	FW.AG	FW.BG	C.stor
EMF.7.1186	EMF.7	7		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG
EMF.7.1187	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.BG	C.stor
EMF.7.1188	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG		C.stor
EMF.7.1189	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	
EMF.7.1190	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG	C.stor	Nut.ret
EMF.7.1191	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.1192	EMF.7	7		Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG
EMF.7.1193	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.BG	C.stor
EMF.7.1194	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG		FW.BG
EMF.7.1195	EMF.7	7	Ri.AG			Veg.str				FW.BG	C.stor
EMF.7.1196	EMF.7	7		Ri.BG		Veg.str		FD.AG		FW.BG	C.stor
EMF.7.1197	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.BG	C.stor
EMF.7.1198	EMF.7	7	Ri.AG	Ri.BG					FD.BG	FW.AG	FW.BG
EMF.7.1199	EMF.7	7	Ri.AG	Ri.BG				FD.AG		FW.AG	FW.BG
EMF.7.1200	EMF.7	7	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG
EMF.7.1201	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	Nut.ret
EMF.7.1202	EMF.7	7		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.1203	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG
EMF.7.1204	EMF.7	7		Ri.Plant		Veg.str		FD.AG		FW.AG	C.stor
EMF.7.1205	EMF.7	7		Ri.BG			Soil.het		FD.BG	FW.AG	C.stor
EMF.7.1206	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.1207	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG
EMF.7.1208	EMF.7	7	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	H2O.cap
EMF.7.1209	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG
EMF.7.1210	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant					FW.AG	FW.BG
EMF.7.1211	EMF.7	7		Ri.Plant		Veg.str		FD.AG		FW.AG	FW.BG

EMF.7.1212	EMF.7	7	Ri.AG	Ri.Plant			FD.BG	FW.BG	C.stor	H2O.cap	Nut.ret			
EMF.7.1213	EMF.7	7		Ri.BG	Veg.str		FD.AG			C.stor	H2O.cap	Nut.ret		
EMF.7.1214	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG			H2O.cap	Nut.ret		
EMF.7.1215	EMF.7	7		Ri.BG	Veg.str		Soil.het			C.stor	H2O.cap	Nut.ret		
EMF.7.1216	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor			
EMF.7.1217	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG		H2O.cap	Nut.ret		
EMF.7.1218	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG				
EMF.7.1219	EMF.7	7					Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1220	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG				H2O.cap	
EMF.7.1221	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.7.1222	EMF.7	7	Ri.AG	Ri.BG		Veg.str					FW.BG		H2O.cap	Nut.ret
EMF.7.1223	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG			FW.BG	C.stor		
EMF.7.1224	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het				FW.BG	C.stor		Nut.ret
EMF.7.1225	EMF.7	7	Ri.AG					FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.1226	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG			C.stor		
EMF.7.1227	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.7.1228	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG		H2O.cap	
EMF.7.1229	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor		
EMF.7.1230	EMF.7	7			Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.7.1231	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het					C.stor	H2O.cap	Nut.ret
EMF.7.1232	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.7.1233	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor		
EMF.7.1234	EMF.7	7	Ri.AG	Ri.BG		Veg.str						C.stor	H2O.cap	Nut.ret
EMF.7.1235	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG				
EMF.7.1236	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor		
EMF.7.1237	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor		
EMF.7.1238	EMF.7	7					Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.1239	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	
EMF.7.1240	EMF.7	7					Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1241	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.1242	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG			Nut.ret
EMF.7.1243	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			
EMF.7.1244	EMF.7	7					Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.1245	EMF.7	7				Veg.str	Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1246	EMF.7	7	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1247	EMF.7	7			Ri.Plant		Soil.het	FD.AG	FD.BG				H2O.cap	Nut.ret
EMF.7.1248	EMF.7	7			Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.7.1249	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1250	EMF.7	7		Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.1251	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.7.1252	EMF.7	7	Ri.AG	Ri.BG		Veg.str					FW.BG	C.stor	H2O.cap	
EMF.7.1253	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG		FW.BG			Nut.ret
EMF.7.1254	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str					FW.BG	C.stor		Nut.ret
EMF.7.1255	EMF.7	7			Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.7.1256	EMF.7	7			Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor		Nut.ret
EMF.7.1257	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor		
EMF.7.1258	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG			C.stor		
EMF.7.1259	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG					
EMF.7.1260	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG				Nut.ret
EMF.7.1261	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				
EMF.7.1262	EMF.7	7	Ri.AG				Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.7.1263	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG			C.stor	H2O.cap	
EMF.7.1264	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG			C.stor		Nut.ret
EMF.7.1265	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1266	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG			C.stor		Nut.ret
EMF.7.1267	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1268	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor		
EMF.7.1269	EMF.7	7	Ri.AG				Soil.het		FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.7.1270	EMF.7	7	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG			
EMF.7.1271	EMF.7	7				Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.7.1272	EMF.7	7					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.7.1273	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG			
EMF.7.1274	EMF.7	7	Ri.AG				Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	



EMF.7.1275	EMF.7	7	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FW.AG	C.stor					
EMF.7.1276	EMF.7	7		Ri.BG		Soil.het	FD.AG	FW.AG	C.stor	Nut.ret				
EMF.7.1277	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	FD.AG		FW.BG	H2O.cap				
EMF.7.1278	EMF.7	7		Ri.BG		Soil.het		FW.AG	FW.BG	C.stor	Nut.ret			
EMF.7.1279	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor	Nut.ret		
EMF.7.1280	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG		FW.BG	C.stor			
EMF.7.1281	EMF.7	7	Ri.AG	Ri.BG					FW.AG	FW.BG	C.stor	Nut.ret		
EMF.7.1282	EMF.7	7			Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor	Nut.ret		
EMF.7.1283	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG				
EMF.7.1284	EMF.7	7				Veg.str	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1285	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.BG		FW.BG				
EMF.7.1286	EMF.7	7		Ri.BG			FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.7.1287	EMF.7	7	Ri.AG	Ri.BG					FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1288	EMF.7	7		Ri.BG		Veg.str	Soil.het			FW.BG	C.stor	H2O.cap		
EMF.7.1289	EMF.7	7		Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG		H2O.cap	Nut.ret	
EMF.7.1290	EMF.7	7	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap		
EMF.7.1291	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG				
EMF.7.1292	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor		Nut.ret	
EMF.7.1293	EMF.7	7	Ri.AG			Soil.het	FD.AG			FW.BG	C.stor	H2O.cap		
EMF.7.1294	EMF.7	7		Ri.BG		Veg.str	Soil.het			FW.BG	C.stor		Nut.ret	
EMF.7.1295	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG			
EMF.7.1296	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			H2O.cap	Nut.ret	
EMF.7.1297	EMF.7	7	Ri.AG			Soil.het	FD.AG	FD.BG			C.stor		Nut.ret	
EMF.7.1298	EMF.7	7				Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.7.1299	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant						C.stor	H2O.cap	Nut.ret	
EMF.7.1300	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant					FW.BG		H2O.cap	Nut.ret	
EMF.7.1301	EMF.7	7	Ri.AG		Ri.Plant					FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1302	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.7.1303	EMF.7	7		Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG		Nut.ret	
EMF.7.1304	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG			
EMF.7.1305	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.BG	FW.AG		C.stor		Nut.ret	
EMF.7.1306	EMF.7	7	Ri.AG	Ri.BG			FD.AG		FW.AG		C.stor		Nut.ret	
EMF.7.1307	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG					
EMF.7.1308	EMF.7	7				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.7.1309	EMF.7	7	Ri.AG				FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1310	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.BG				H2O.cap	Nut.ret	
EMF.7.1311	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG		H2O.cap	Nut.ret	
EMF.7.1312	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.7.1313	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor		
EMF.7.1314	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant					FW.BG	C.stor	H2O.cap		
EMF.7.1315	EMF.7	7				Veg.str		FD.AG		FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1316	EMF.7	7				Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1317	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG				Nut.ret	
EMF.7.1318	EMF.7	7		Ri.BG		Veg.str		FD.AG			FW.BG	H2O.cap	Nut.ret	
EMF.7.1319	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor		
EMF.7.1320	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG			
EMF.7.1321	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG				
EMF.7.1322	EMF.7	7		Ri.BG		Veg.str	Soil.het			FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1323	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het				FW.BG	H2O.cap	Nut.ret	
EMF.7.1324	EMF.7	7		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1325	EMF.7	7		Ri.BG	Ri.Plant	Veg.str						C.stor	H2O.cap	Nut.ret
EMF.7.1326	EMF.7	7	Ri.AG		Ri.Plant				FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.1327	EMF.7	7	Ri.AG	Ri.BG			FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.7.1328	EMF.7	7			Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1329	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor		
EMF.7.1330	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG			
EMF.7.1331	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		
EMF.7.1332	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.7.1333	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret	
EMF.7.1334	EMF.7	7		Ri.BG					FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1335	EMF.7	7		Ri.BG				FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.7.1336	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG			FW.BG	C.stor		
EMF.7.1337	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG			FW.BG		H2O.cap	Nut.ret

EMF.7.1338	EMF.7	7		Ri.Plant		FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1339	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	FD.AG			FW.BG			Nut.ret
EMF.7.1340	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	FD.AG	FD.BG	FW.AG				
EMF.7.1341	EMF.7	7	Ri.AG	Ri.BG		Veg.str	FD.AG			C.stor	H2O.cap	Nut.ret
EMF.7.1342	EMF.7	7		Ri.BG		Veg.str	FD.AG	FD.BG	FW.AG		C.stor	
EMF.7.1343	EMF.7	7		Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.7.1344	EMF.7	7	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.7.1345	EMF.7	7	Ri.AG				FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.7.1346	EMF.7	7		Ri.BG		Veg.str	FD.AG	FD.BG		FW.BG	C.stor	
EMF.7.1347	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG		FW.AG	FW.BG	C.stor	
EMF.7.1348	EMF.7	7				Soil.het	FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1349	EMF.7	7					FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.1350	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FW.AG	FW.BG		H2O.cap
EMF.7.1351	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret
EMF.7.1352	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor	
EMF.7.1353	EMF.7	7	Ri.AG			Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.7.1354	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG		C.stor	H2O.cap
EMF.7.1355	EMF.7	7	Ri.AG				FD.AG	FD.BG			C.stor	H2O.cap
EMF.7.1356	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG				H2O.cap
EMF.7.1357	EMF.7	7		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1358	EMF.7	7		Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap
EMF.7.1359	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor	Nut.ret
EMF.7.1360	EMF.7	7		Ri.BG		Veg.str	Soil.het			FW.BG		H2O.cap
EMF.7.1361	EMF.7	7	Ri.AG			Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret
EMF.7.1362	EMF.7	7		Ri.Plant		Soil.het	FD.AG			FW.BG		H2O.cap
EMF.7.1363	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1364	EMF.7	7	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG	C.stor
EMF.7.1365	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			H2O.cap
EMF.7.1366	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		C.stor
EMF.7.1367	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	Nut.ret
EMF.7.1368	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG			FW.BG	Nut.ret
EMF.7.1369	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor
EMF.7.1370	EMF.7	7		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.7.1371	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG		C.stor
EMF.7.1372	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	C.stor
EMF.7.1373	EMF.7	7		Ri.Plant				FD.AG	FD.BG		FW.BG	
EMF.7.1374	EMF.7	7	Ri.AG	Ri.BG		Veg.str				FW.AG	FW.BG	C.stor
EMF.7.1375	EMF.7	7		Ri.BG	Ri.Plant	Veg.str					FW.BG	
EMF.7.1376	EMF.7	7		Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	
EMF.7.1377	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG		
EMF.7.1378	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG		FW.BG	C.stor
EMF.7.1379	EMF.7	7		Ri.BG				FD.AG	FD.BG	FW.AG		C.stor
EMF.7.1380	EMF.7	7		Ri.BG		Veg.str		FD.AG		FW.AG		C.stor
EMF.7.1381	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	
EMF.7.1382	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.7.1383	EMF.7	7	Ri.AG				Soil.het	FD.AG	FD.BG		FW.BG	C.stor
EMF.7.1384	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor	
EMF.7.1385	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG			C.stor
EMF.7.1386	EMF.7	7		Ri.BG	Ri.Plant		Soil.het				C.stor	H2O.cap
EMF.7.1387	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor
EMF.7.1388	EMF.7	7	Ri.AG	Ri.BG		Veg.str					FW.BG	C.stor
EMF.7.1389	EMF.7	7	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	
EMF.7.1390	EMF.7	7		Ri.Plant		Soil.het		FD.AG	FD.BG			C.stor
EMF.7.1391	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	
EMF.7.1392	EMF.7	7		Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor
EMF.7.1393	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG				C.stor
EMF.7.1394	EMF.7	7	Ri.AG				Soil.het	FD.AG		FW.AG	FW.BG	C.stor
EMF.7.1395	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG		FW.BG	
EMF.7.1396	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	
EMF.7.1397	EMF.7	7		Ri.Plant		Soil.het			FD.BG		FW.BG	C.stor
EMF.7.1398	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG			C.stor
EMF.7.1399	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG			H2O.cap
EMF.7.1400	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG		H2O.cap



EMF.7.1401	EMF.7	7	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG	FW.BG	C.stor		
EMF.7.1402	EMF.7	7	Ri.AG			FD.AG	FD.BG	FW.BG	C.stor	Nut.ret	
EMF.7.1403	EMF.7	7	Ri.AG			FD.AG	FD.BG	FW.BG		H2O.cap	Nut.ret
EMF.7.1404	EMF.7	7	Ri.AG	Ri.BG	Veg.str			FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1405	EMF.7	7	Ri.BG	Ri.Plant	Soil.het				FW.BG	C.stor	H2O.cap
EMF.7.1406	EMF.7	7	Ri.AG	Ri.BG	Veg.str		FD.BG	FW.AG	FW.BG		
EMF.7.1407	EMF.7	7	Ri.AG	Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.7.1408	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1409	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant				FW.BG	C.stor	H2O.cap
EMF.7.1410	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.BG	FW.AG	FW.BG		
EMF.7.1411	EMF.7	7	Ri.BG		Veg.str			FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1412	EMF.7	7	Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1413	EMF.7	7	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.7.1414	EMF.7	7	Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret
EMF.7.1415	EMF.7	7	Ri.AG			FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1416	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1417	EMF.7	7	Ri.AG		Soil.het	FD.AG				C.stor	H2O.cap
EMF.7.1418	EMF.7	7	Ri.AG	Ri.BG	Veg.str	FD.AG	FD.BG		FW.BG		
EMF.7.1419	EMF.7	7		Ri.Plant		FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1420	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor	
EMF.7.1421	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FW.AG	FW.BG		
EMF.7.1422	EMF.7	7		Ri.Plant		FD.AG			FW.BG	C.stor	H2O.cap
EMF.7.1423	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.BG		FW.BG	C.stor	Nut.ret
EMF.7.1424	EMF.7	7	Ri.BG		Veg.str	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.7.1425	EMF.7	7	Ri.BG				FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1426	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG		
EMF.7.1427	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG			C.stor	H2O.cap
EMF.7.1428	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG			C.stor	Nut.ret
EMF.7.1429	EMF.7	7			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1430	EMF.7	7	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1431	EMF.7	7		Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1432	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str	FD.AG	FD.BG		FW.BG	
EMF.7.1433	EMF.7	7	Ri.AG	Ri.BG		Veg.str	FD.AG		FW.BG	C.stor	Nut.ret
EMF.7.1434	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	
EMF.7.1435	EMF.7	7	Ri.BG	Ri.Plant		FD.AG		FW.AG		C.stor	Nut.ret
EMF.7.1436	EMF.7	7	Ri.BG	Ri.Plant		FD.AG			FW.BG	C.stor	H2O.cap
EMF.7.1437	EMF.7	7	Ri.AG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap
EMF.7.1438	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap
EMF.7.1439	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FW.AG			
EMF.7.1440	EMF.7	7	Ri.BG	Ri.Plant		FD.AG				C.stor	H2O.cap
EMF.7.1441	EMF.7	7	Ri.AG	Ri.BG		Veg.str	FD.AG	FD.BG	FW.AG		C.stor
EMF.7.1442	EMF.7	7	Ri.BG	Ri.Plant		FD.AG	FD.BG		FW.BG		Nut.ret
EMF.7.1443	EMF.7	7	Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap
EMF.7.1444	EMF.7	7	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.BG	C.stor	Nut.ret
EMF.7.1445	EMF.7	7		Ri.Plant	Veg.str	FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1446	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			
EMF.7.1447	EMF.7	7	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	
EMF.7.1448	EMF.7	7	Ri.BG	Ri.Plant		Soil.het			FW.BG	C.stor	Nut.ret
EMF.7.1449	EMF.7	7	Ri.AG	Ri.BG		Veg.str	FD.AG	FD.BG	FW.AG		
EMF.7.1450	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG	C.stor
EMF.7.1451	EMF.7	7	Ri.AG		Soil.het	FD.AG			FW.BG		H2O.cap
EMF.7.1452	EMF.7	7		Ri.Plant	Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap
EMF.7.1453	EMF.7	7	Ri.BG	Ri.Plant		FD.AG		FW.AG	FW.BG		Nut.ret
EMF.7.1454	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG		H2O.cap
EMF.7.1455	EMF.7	7	Ri.BG		Veg.str	FD.AG			FW.BG	C.stor	Nut.ret
EMF.7.1456	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG		FW.BG	C.stor	Nut.ret
EMF.7.1457	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap
EMF.7.1458	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap
EMF.7.1459	EMF.7	7		Ri.Plant		FD.AG	FD.BG		FW.BG	C.stor	Nut.ret
EMF.7.1460	EMF.7	7				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1461	EMF.7	7	Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1462	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		C.stor	
EMF.7.1463	EMF.7	7		Ri.Plant	Soil.het		FD.BG		FW.BG	C.stor	H2O.cap

EMF.7.1464	EMF.7	7	Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1465	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG		C.stor		Nut.ret
EMF.7.1466	EMF.7	7	Ri.AG			Soil.het	FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.7.1467	EMF.7	7		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1468	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	
EMF.7.1469	EMF.7	7		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		
EMF.7.1470	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		
EMF.7.1471	EMF.7	7	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.7.1472	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant					FW.BG	C.stor	Nut.ret
EMF.7.1473	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG		C.stor	
EMF.7.1474	EMF.7	7	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1475	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	
EMF.7.1476	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG			
EMF.7.1477	EMF.7	7	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.7.1478	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			
EMF.7.1479	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG			FW.BG	H2O.cap	
EMF.7.1480	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		C.stor	
EMF.7.1481	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG		
EMF.7.1482	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	
EMF.7.1483	EMF.7	7		Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	Nut.ret
EMF.7.1484	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	H2O.cap	Nut.ret
EMF.7.1485	EMF.7	7	Ri.BG	Ri.Plant					FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1486	EMF.7	7	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	
EMF.7.1487	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1488	EMF.7	7		Ri.Plant		Soil.het				FW.BG	C.stor	H2O.cap
EMF.7.1489	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	Nut.ret
EMF.7.1490	EMF.7	7	Ri.AG	Ri.BG				FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1491	EMF.7	7	Ri.AG	Ri.BG		Veg.str	FD.AG		FW.AG		C.stor	Nut.ret
EMF.7.1492	EMF.7	7	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.7.1493	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.7.1494	EMF.7	7	Ri.BG	Ri.Plant		Soil.het				FW.BG	H2O.cap	Nut.ret
EMF.7.1495	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		
EMF.7.1496	EMF.7	7	Ri.AG	Ri.BG		Veg.str				FW.BG	C.stor	H2O.cap
EMF.7.1497	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG			Nut.ret
EMF.7.1498	EMF.7	7	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.1499	EMF.7	7				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1500	EMF.7	7		Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.7.1501	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		Nut.ret
EMF.7.1502	EMF.7	7	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.1503	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG		FW.BG	H2O.cap	
EMF.7.1504	EMF.7	7	Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1505	EMF.7	7	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG	
EMF.7.1506	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.AG		C.stor	Nut.ret
EMF.7.1507	EMF.7	7	Ri.AG				FD.AG			FW.BG	C.stor	H2O.cap
EMF.7.1508	EMF.7	7	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		
EMF.7.1509	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	
EMF.7.1510	EMF.7	7	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		
EMF.7.1511	EMF.7	7	Ri.BG	Ri.Plant		Soil.het				FW.BG	C.stor	H2O.cap
EMF.7.1512	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG			
EMF.7.1513	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor	Nut.ret
EMF.7.1514	EMF.7	7				Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.1515	EMF.7	7	Ri.BG			Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.1516	EMF.7	7	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG	C.stor	
EMF.7.1517	EMF.7	7		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		
EMF.7.1518	EMF.7	7	Ri.BG			Soil.het	FD.AG		FW.AG		C.stor	H2O.cap
EMF.7.1519	EMF.7	7	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.7.1520	EMF.7	7	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		
EMF.7.1521	EMF.7	7	Ri.BG	Ri.Plant				FD.BG		FW.BG	H2O.cap	
EMF.7.1522	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant			FD.BG		FW.BG	C.stor	
EMF.7.1523	EMF.7	7	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	
EMF.7.1524	EMF.7	7	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor	
EMF.7.1525	EMF.7	7	Ri.BG		Veg.str					FW.BG	C.stor	H2O.cap
EMF.7.1526	EMF.7	7	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG		

EMF.7.1527	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG				H2O.cap	Nut.ret		
EMF.7.1528	EMF.7	7		Ri.BG	Ri.Plant		FD.AG		FW.BG		H2O.cap	Nut.ret		
EMF.7.1529	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG	FW.BG		Nut.ret		
EMF.7.1530	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FW.AG	FW.BG	C.stor			
EMF.7.1531	EMF.7	7		Ri.BG		Veg.str	Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1532	EMF.7	7		Ri.BG	Ri.Plant				FD.BG		C.stor	H2O.cap	Nut.ret	
EMF.7.1533	EMF.7	7			Ri.Plant		Soil.het		FD.BG	FW.BG		H2O.cap	Nut.ret	
EMF.7.1534	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG	FW.BG		H2O.cap		
EMF.7.1535	EMF.7	7	Ri.AG	Ri.BG				FD.AG		FW.BG	C.stor	H2O.cap		
EMF.7.1536	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.7.1537	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor		
EMF.7.1538	EMF.7	7		Ri.BG		Veg.str		FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1539	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG		C.stor		Nut.ret	
EMF.7.1540	EMF.7	7		Ri.BG	Ri.Plant				FD.BG	FW.BG		H2O.cap	Nut.ret	
EMF.7.1541	EMF.7	7	Ri.AG					FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1542	EMF.7	7		Ri.BG	Ri.Plant				FD.BG	FW.BG	C.stor	H2O.cap		
EMF.7.1543	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.7.1544	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		
EMF.7.1545	EMF.7	7		Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.1546	EMF.7	7			Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1547	EMF.7	7	Ri.AG	Ri.BG				FD.AG		FW.BG		H2O.cap	Nut.ret	
EMF.7.1548	EMF.7	7		Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor		Nut.ret	
EMF.7.1549	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.BG			Nut.ret	
EMF.7.1550	EMF.7	7	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1551	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG			H2O.cap	Nut.ret	
EMF.7.1552	EMF.7	7		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			
EMF.7.1553	EMF.7	7		Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.1554	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1555	EMF.7	7	Ri.AG	Ri.BG					FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.7.1556	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.7.1557	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor			
EMF.7.1558	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				
EMF.7.1559	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.7.1560	EMF.7	7		Ri.BG	Ri.Plant	Veg.str				FW.AG	FW.BG	C.stor		
EMF.7.1561	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG				H2O.cap	
EMF.7.1562	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1563	EMF.7	7			Ri.Plant				FD.BG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1564	EMF.7	7	Ri.AG				Soil.het	FD.AG	FD.BG	FW.BG		H2O.cap		
EMF.7.1565	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.BG		H2O.cap		
EMF.7.1566	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG		C.stor		Nut.ret	
EMF.7.1567	EMF.7	7		Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1568	EMF.7	7			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.7.1569	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG		C.stor	H2O.cap		
EMF.7.1570	EMF.7	7					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.7.1571	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG		FW.BG		H2O.cap	Nut.ret	
EMF.7.1572	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG		C.stor		Nut.ret
EMF.7.1573	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	
EMF.7.1574	EMF.7	7	Ri.AG	Ri.BG				FD.AG		FW.BG	C.stor		Nut.ret	
EMF.7.1575	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			
EMF.7.1576	EMF.7	7		Ri.BG	Ri.Plant			FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1577	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.7.1578	EMF.7	7	Ri.AG	Ri.BG				FD.AG			C.stor	H2O.cap	Nut.ret	
EMF.7.1579	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				
EMF.7.1580	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1581	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor		
EMF.7.1582	EMF.7	7		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			
EMF.7.1583	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor		Nut.ret
EMF.7.1584	EMF.7	7	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG			
EMF.7.1585	EMF.7	7		Ri.BG				FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.1586	EMF.7	7		Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1587	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG				
EMF.7.1588	EMF.7	7	Ri.AG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.7.1589	EMF.7	7		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG			

EMF.7.1590	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG				
EMF.7.1591	EMF.7	7		Ri.BG	Ri.Plant			FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.7.1592	EMF.7	7				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.7.1593	EMF.7	7	Ri.AG				Soil.het		FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.1594	EMF.7	7					Soil.het	FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.7.1595	EMF.7	7			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.7.1596	EMF.7	7			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG			
EMF.7.1597	EMF.7	7	Ri.AG	Ri.BG				FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1598	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			
EMF.7.1599	EMF.7	7		Ri.BG				FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1600	EMF.7	7		Ri.BG				FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1601	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG			
EMF.7.1602	EMF.7	7		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG			
EMF.7.1603	EMF.7	7	Ri.AG				Soil.het		FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.1604	EMF.7	7		Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1605	EMF.7	7		Ri.BG	Ri.Plant			FD.AG			FW.BG	C.stor	Nut.ret	
EMF.7.1606	EMF.7	7		Ri.BG			Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1607	EMF.7	7		Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1608	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FD.BG		FW.BG	C.stor		
EMF.7.1609	EMF.7	7	Ri.AG				Soil.het		FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.1610	EMF.7	7					Soil.het	FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.1611	EMF.7	7		Ri.BG				FD.AG		FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1612	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG		C.stor	Nut.ret	
EMF.7.1613	EMF.7	7		Ri.BG							FW.BG			
EMF.7.1614	EMF.7	7	Ri.AG	Ri.BG			Veg.str	Soil.het	FD.AG	FD.BG	FW.BG			
EMF.7.1615	EMF.7	7	Ri.AG	Ri.BG								C.stor	H2O.cap	Nut.ret
EMF.7.1616	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG			
EMF.7.1617	EMF.7	7	Ri.AG	Ri.BG			Soil.het				FW.BG	C.stor	Nut.ret	
EMF.7.1618	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG			H2O.cap	Nut.ret	
EMF.7.1619	EMF.7	7	Ri.AG	Ri.BG					FD.BG		FW.BG	H2O.cap	Nut.ret	
EMF.7.1620	EMF.7	7	Ri.AG	Ri.BG			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			
EMF.7.1621	EMF.7	7						FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1622	EMF.7	7		Ri.BG	Ri.Plant				FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.1623	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG		FW.BG	C.stor		
EMF.7.1624	EMF.7	7	Ri.AG				Soil.het		FD.BG		FW.BG	H2O.cap	Nut.ret	
EMF.7.1625	EMF.7	7		Ri.BG				FD.AG	FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.1626	EMF.7	7	Ri.AG	Ri.BG			Soil.het					C.stor	H2O.cap	Nut.ret
EMF.7.1627	EMF.7	7	Ri.AG	Ri.BG			Veg.str	Soil.het	FD.AG	FW.AG	FW.BG			
EMF.7.1628	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret	
EMF.7.1629	EMF.7	7					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1630	EMF.7	7		Ri.BG				Veg.str	FD.AG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1631	EMF.7	7		Ri.BG	Ri.Plant				FD.AG	FD.BG	FW.BG	C.stor		
EMF.7.1632	EMF.7	7	Ri.AG	Ri.BG			Soil.het				FW.BG	H2O.cap	Nut.ret	
EMF.7.1633	EMF.7	7					Soil.het	FD.AG	FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.1634	EMF.7	7	Ri.AG	Ri.BG			Soil.het	FD.AG	FD.BG		FW.BG			
EMF.7.1635	EMF.7	7		Ri.BG				Veg.str	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.7.1636	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor		
EMF.7.1637	EMF.7	7	Ri.AG	Ri.BG			Soil.het				FW.BG	C.stor	H2O.cap	
EMF.7.1638	EMF.7	7		Ri.BG				FD.AG	FD.BG		FW.BG	H2O.cap	Nut.ret	
EMF.7.1639	EMF.7	7	Ri.AG	Ri.BG			Soil.het		FD.BG		FW.BG	H2O.cap		
EMF.7.1640	EMF.7	7	Ri.AG				Soil.het				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1641	EMF.7	7	Ri.AG	Ri.BG					FD.BG		FW.BG	C.stor	H2O.cap	
EMF.7.1642	EMF.7	7	Ri.AG						FD.BG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1643	EMF.7	7		Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap		
EMF.7.1644	EMF.7	7		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG			
EMF.7.1645	EMF.7	7		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.7.1646	EMF.7	7	Ri.AG	Ri.BG					FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.1647	EMF.7	7		Ri.BG	Ri.Plant						FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1648	EMF.7	7		Ri.BG			Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.7.1649	EMF.7	7		Ri.BG				FD.AG	FD.BG		FW.BG	C.stor	Nut.ret	
EMF.7.1650	EMF.7	7	Ri.AG	Ri.BG				FD.AG		FW.AG	FW.BG	C.stor	Nut.ret	
EMF.7.1651	EMF.7	7		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1652	EMF.7	7	Ri.AG	Ri.BG				Veg.str	FD.AG	FD.BG	FW.AG	FW.BG		

EMF.7.1653	EMF.7	7	Ri.BG		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.7.1654	EMF.7	7	Ri.AG		Soil.het	FD.AG	FD.BG	FW.BG	C.stor	Nut.ret	
EMF.7.1655	EMF.7	7	Ri.AG		Soil.het	FD.AG	FD.BG	FW.BG	C.stor	H2O.cap	
EMF.7.1656	EMF.7	7	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG		
EMF.7.1657	EMF.7	7	Ri.AG		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret
EMF.7.1658	EMF.7	7	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	
EMF.7.1659	EMF.7	7	Ri.BG		Soil.het	FD.AG			C.stor	H2O.cap	Nut.ret
EMF.7.1660	EMF.7	7	Ri.AG			FD.AG	FD.BG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1661	EMF.7	7	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor		Nut.ret
EMF.7.1662	EMF.7	7			Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1663	EMF.7	7	Ri.BG		Soil.het	FD.AG	FD.BG	FW.BG	C.stor		
EMF.7.1664	EMF.7	7	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.7.1665	EMF.7	7	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	FW.BG	
EMF.7.1666	EMF.7	7	Ri.BG		Soil.het		FD.BG		C.stor	H2O.cap	Nut.ret
EMF.7.1667	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.7.1668	EMF.7	7			Soil.het	FD.AG	FD.BG	FW.BG		H2O.cap	Nut.ret
EMF.7.1669	EMF.7	7	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.7.1670	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG		C.stor	Nut.ret
EMF.7.1671	EMF.7	7	Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.7.1672	EMF.7	7	Ri.BG		Soil.het		FD.BG	FW.BG	C.stor		Nut.ret
EMF.7.1673	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1674	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG		C.stor	H2O.cap
EMF.7.1675	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.7.1676	EMF.7	7	Ri.BG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.7.1677	EMF.7	7	Ri.AG		Soil.het		FD.AG		FW.BG	C.stor	H2O.cap
EMF.7.1678	EMF.7	7	Ri.BG		Soil.het		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.7.1679	EMF.7	7	Ri.AG	Ri.BG				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.7.1680	EMF.7	7	Ri.BG		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.7.1681	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.BG		Nut.ret
EMF.7.1682	EMF.7	7	Ri.AG		Soil.het		FD.AG	FD.BG	FW.BG		H2O.cap
EMF.7.1683	EMF.7	7	Ri.BG		Soil.het		FD.AG		FW.BG		H2O.cap
EMF.7.1684	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor	H2O.cap
EMF.7.1685	EMF.7	7	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor	Nut.ret
EMF.7.1686	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.BG		H2O.cap
EMF.7.1687	EMF.7	7	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.BG	C.stor	Nut.ret
EMF.7.1688	EMF.7	7	Ri.BG					FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1689	EMF.7	7	Ri.BG		Soil.het		FD.AG	FD.BG	FW.BG		H2O.cap
EMF.7.1690	EMF.7	7	Ri.BG				FD.AG		FW.BG	C.stor	H2O.cap
EMF.7.1691	EMF.7	7	Ri.BG		Soil.het		FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.7.1692	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.AG	FD.BG	FW.BG	C.stor
EMF.7.1693	EMF.7	7	Ri.BG		Veg.str	Soil.het		FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.1694	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.AG	FD.BG		H2O.cap
EMF.7.1695	EMF.7	7			Soil.het			FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1696	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.BG		C.stor	H2O.cap
EMF.7.1697	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.AG	FD.BG	FW.AG	FW.BG
EMF.7.1698	EMF.7	7	Ri.AG		Soil.het			FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1699	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.BG	C.stor	Nut.ret
EMF.7.1700	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1701	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.AG		C.stor	H2O.cap
EMF.7.1702	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.BG		H2O.cap
EMF.7.1703	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.AG	FW.BG		H2O.cap
EMF.7.1704	EMF.7	7	Ri.AG	Ri.BG				FD.AG	FW.BG	C.stor	H2O.cap
EMF.7.1705	EMF.7	7	Ri.BG		Soil.het				FW.BG	C.stor	H2O.cap
EMF.7.1706	EMF.7	7	Ri.AG	Ri.BG				FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1707	EMF.7	7	Ri.BG		Soil.het		FD.AG	FD.BG		C.stor	H2O.cap
EMF.7.1708	EMF.7	7			Soil.het		FD.AG	FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1709	EMF.7	7	Ri.AG	Ri.BG		Soil.het		FD.AG	FD.BG	FW.BG	H2O.cap
EMF.7.1710	EMF.7	7	Ri.AG	Ri.BG		Soil.het			FW.BG	C.stor	H2O.cap
EMF.7.1711	EMF.7	7	Ri.BG		Soil.het		FD.AG	FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1712	EMF.7	7	Ri.BG					FD.AG	FD.BG	FW.BG	C.stor
EMF.7.1713	EMF.7	7	Ri.BG		Soil.het		FD.AG	FD.BG	FW.BG	C.stor	Nut.ret
EMF.7.1714	EMF.7	7	Ri.BG		Soil.het			FD.BG	FW.BG	C.stor	H2O.cap
EMF.7.1715	EMF.7	7	Ri.BG		Soil.het		FD.AG	FD.BG	FW.BG		H2O.cap

EMF.7.1716	EMF.7	7	Ri.BG		Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.0001	EMF.6	6	Ri.AG	Ri.Plant	Soil.het		FW.AG		C.stor	H2O.cap	
EMF.6.0002	EMF.6	6	Ri.AG	Ri.Plant	Soil.het		FW.AG			H2O.cap	Nut.ret
EMF.6.0003	EMF.6	6	Ri.AG	Ri.Plant	Soil.het		FW.AG			H2O.cap	
EMF.6.0004	EMF.6	6			Veg.str		FD.BG	FW.AG	C.stor	H2O.cap	
EMF.6.0005	EMF.6	6	Ri.AG	Ri.Plant			FD.BG	FW.AG	C.stor	H2O.cap	
EMF.6.0006	EMF.6	6	Ri.AG	Ri.Plant				FW.AG	C.stor	H2O.cap	
EMF.6.0007	EMF.6	6	Ri.AG	Ri.Plant	Soil.het			FW.AG	C.stor		Nut.ret
EMF.6.0008	EMF.6	6		Ri.Plant	Veg.str		FD.BG	FW.AG	C.stor	H2O.cap	
EMF.6.0009	EMF.6	6	Ri.AG		Veg.str		FD.BG	FW.AG	C.stor	H2O.cap	
EMF.6.0010	EMF.6	6	Ri.AG	Ri.Plant	Soil.het			FW.AG			Nut.ret
EMF.6.0011	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FW.AG	C.stor	H2O.cap	
EMF.6.0012	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG		H2O.cap	
EMF.6.0013	EMF.6	6	Ri.AG	Ri.Plant		Soil.het		FW.AG	C.stor		
EMF.6.0014	EMF.6	6			Veg.str		FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret
EMF.6.0015	EMF.6	6	Ri.AG	Ri.Plant	Veg.str			FW.AG	C.stor	H2O.cap	
EMF.6.0016	EMF.6	6	Ri.AG	Ri.Plant				FW.AG		H2O.cap	Nut.ret
EMF.6.0017	EMF.6	6		Ri.Plant		Soil.het		FW.AG	C.stor	H2O.cap	
EMF.6.0018	EMF.6	6			Veg.str	Soil.het		FD.BG	FW.AG	C.stor	H2O.cap
EMF.6.0019	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG			Nut.ret
EMF.6.0020	EMF.6	6	Ri.AG	Ri.Plant				FD.BG	FW.AG		H2O.cap
EMF.6.0021	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG		C.stor	H2O.cap	
EMF.6.0022	EMF.6	6	Ri.AG	Ri.Plant		Soil.het		FW.AG	FW.BG		H2O.cap
EMF.6.0023	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Soil.het		FW.AG			H2O.cap
EMF.6.0024	EMF.6	6	Ri.AG	Ri.Plant	Veg.str			FW.AG			H2O.cap
EMF.6.0025	EMF.6	6	Ri.AG	Ri.Plant		Soil.het		FD.BG	FW.AG		H2O.cap
EMF.6.0026	EMF.6	6	Ri.AG	Ri.Plant				FD.BG	FW.AG		H2O.cap
EMF.6.0027	EMF.6	6	Ri.AG	Ri.Plant			FD.AG	FW.AG	C.stor	H2O.cap	Nut.ret
EMF.6.0028	EMF.6	6			Veg.str			FD.BG	FW.AG		H2O.cap
EMF.6.0029	EMF.6	6			Veg.str		FD.AG	FD.BG		C.stor	H2O.cap
EMF.6.0030	EMF.6	6	Ri.AG	Ri.Plant		Soil.het		FW.AG	FW.BG		Nut.ret
EMF.6.0031	EMF.6	6		Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor	H2O.cap
EMF.6.0032	EMF.6	6	Ri.AG	Ri.Plant	Veg.str			FD.BG	FW.AG		H2O.cap
EMF.6.0033	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG		H2O.cap
EMF.6.0034	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FW.AG			Nut.ret
EMF.6.0035	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG	C.stor		
EMF.6.0036	EMF.6	6		Ri.Plant	Veg.str		FD.AG	FD.BG	C.stor	H2O.cap	
EMF.6.0037	EMF.6	6			Veg.str		FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.6.0038	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG			Nut.ret
EMF.6.0039	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG		C.stor		
EMF.6.0040	EMF.6	6	Ri.AG	Ri.Plant			FD.AG	FW.AG			H2O.cap
EMF.6.0041	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG	C.stor	
EMF.6.0042	EMF.6	6	Ri.AG	Ri.Plant				FW.AG	FW.BG		H2O.cap
EMF.6.0043	EMF.6	6	Ri.AG	Ri.Plant				FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.0044	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FW.AG		C.stor	H2O.cap
EMF.6.0045	EMF.6	6	Ri.AG		Veg.str			FD.BG	FW.AG		H2O.cap
EMF.6.0046	EMF.6	6	Ri.AG	Ri.Plant				FW.AG	C.stor	H2O.cap	Nut.ret
EMF.6.0047	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FW.AG			H2O.cap
EMF.6.0048	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het			C.stor	H2O.cap	
EMF.6.0049	EMF.6	6	Ri.AG	Ri.Plant		Soil.het		FD.BG	FW.AG		Nut.ret
EMF.6.0050	EMF.6	6	Ri.AG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor	
EMF.6.0051	EMF.6	6	Ri.AG			Soil.het		FW.AG		C.stor	H2O.cap
EMF.6.0052	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.AG		Nut.ret
EMF.6.0053	EMF.6	6	Ri.AG	Ri.Plant	Veg.str				FW.AG		H2O.cap
EMF.6.0054	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG			C.stor	
EMF.6.0055	EMF.6	6		Ri.Plant	Veg.str			FD.BG	FW.AG		H2O.cap
EMF.6.0056	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG			C.stor	Nut.ret
EMF.6.0057	EMF.6	6	Ri.AG		Veg.str				FW.AG	C.stor	H2O.cap
EMF.6.0058	EMF.6	6		Ri.BG	Veg.str			FD.BG	FW.AG	C.stor	H2O.cap
EMF.6.0059	EMF.6	6			Veg.str			FD.BG	FW.AG	FW.BG	C.stor
EMF.6.0060	EMF.6	6	Ri.AG		Veg.str			FD.BG	FW.AG		H2O.cap
EMF.6.0061	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor	
EMF.6.0062	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG				Nut.ret



EMF.6.0063	EMF.6	6			Veg.str		FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret
EMF.6.0064	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Soil.het			FW.AG	C.stor		
EMF.6.0065	EMF.6	6			Ri.Plant	Soil.het	FD.AG		FW.AG	C.stor	H2O.cap	
EMF.6.0066	EMF.6	6	Ri.AG		Ri.Plant	Soil.het		FD.BG	FW.AG	C.stor		
EMF.6.0067	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het			C.stor		Nut.ret
EMF.6.0068	EMF.6	6	Ri.AG					FD.BG	FW.AG	C.stor	H2O.cap	
EMF.6.0069	EMF.6	6		Ri.BG	Ri.Plant	Soil.het			FW.AG	C.stor	H2O.cap	
EMF.6.0070	EMF.6	6	Ri.AG			Veg.str	FD.AG	FD.BG				Nut.ret
EMF.6.0071	EMF.6	6	Ri.AG			Veg.str	FD.AG	FD.BG		C.stor	H2O.cap	
EMF.6.0072	EMF.6	6			Ri.Plant			FD.BG	FW.AG	C.stor	H2O.cap	
EMF.6.0073	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.BG			H2O.cap	Nut.ret
EMF.6.0074	EMF.6	6			Ri.Plant	Soil.het			FW.AG	C.stor	H2O.cap	Nut.ret
EMF.6.0075	EMF.6	6				Veg.str	Soil.het		FW.AG	C.stor	H2O.cap	
EMF.6.0076	EMF.6	6			Ri.Plant	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.0077	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.BG		C.stor	H2O.cap	
EMF.6.0078	EMF.6	6	Ri.AG		Ri.Plant				FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.6.0079	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het					Nut.ret
EMF.6.0080	EMF.6	6	Ri.AG			Veg.str		FD.BG	FW.AG			Nut.ret
EMF.6.0081	EMF.6	6	Ri.AG		Ri.Plant		FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.6.0082	EMF.6	6	Ri.AG		Ri.Plant			FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.0083	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG		H2O.cap	
EMF.6.0084	EMF.6	6	Ri.AG		Ri.Plant		FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.6.0085	EMF.6	6	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG	H2O.cap	
EMF.6.0086	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.AG		H2O.cap	Nut.ret
EMF.6.0087	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	FD.AG	FD.BG				Nut.ret
EMF.6.0088	EMF.6	6	Ri.AG		Ri.Plant	Soil.het	FD.AG			FW.BG		Nut.ret
EMF.6.0089	EMF.6	6				Veg.str	FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.6.0090	EMF.6	6	Ri.AG		Ri.Plant	Soil.het	FD.AG					Nut.ret
EMF.6.0091	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.BG		C.stor		
EMF.6.0092	EMF.6	6	Ri.AG			Veg.str			FW.AG		H2O.cap	Nut.ret
EMF.6.0093	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.BG		C.stor	H2O.cap	
EMF.6.0094	EMF.6	6	Ri.AG			Veg.str		FD.BG			H2O.cap	Nut.ret
EMF.6.0095	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.BG		Nut.ret
EMF.6.0096	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	FD.AG		FW.AG		H2O.cap	
EMF.6.0097	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG		H2O.cap	
EMF.6.0098	EMF.6	6			Ri.Plant	Veg.str			FW.AG	C.stor	H2O.cap	
EMF.6.0099	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het				H2O.cap	Nut.ret
EMF.6.0100	EMF.6	6				Veg.str	Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.6.0101	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het			C.stor		
EMF.6.0102	EMF.6	6	Ri.AG			Veg.str	Soil.het		FD.BG			Nut.ret
EMF.6.0103	EMF.6	6	Ri.AG			Veg.str	Soil.het		FW.AG	C.stor	H2O.cap	
EMF.6.0104	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het					Nut.ret
EMF.6.0105	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG			Nut.ret
EMF.6.0106	EMF.6	6		Ri.BG		Veg.str		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.6.0107	EMF.6	6	Ri.AG		Ri.Plant		FD.AG		FW.AG	FW.BG	H2O.cap	
EMF.6.0108	EMF.6	6				Veg.str	FD.AG	FD.BG		C.stor		Nut.ret
EMF.6.0109	EMF.6	6	Ri.AG		Ri.Plant	Soil.het	FD.AG	FD.BG		C.stor		
EMF.6.0110	EMF.6	6	Ri.AG			Veg.str		FD.BG		C.stor	H2O.cap	
EMF.6.0111	EMF.6	6	Ri.AG			Veg.str	Soil.het		FW.AG		H2O.cap	
EMF.6.0112	EMF.6	6	Ri.AG			Veg.str	FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.6.0113	EMF.6	6	Ri.AG			Veg.str	Soil.het		FW.AG			Nut.ret
EMF.6.0114	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	H2O.cap	
EMF.6.0115	EMF.6	6			Ri.Plant	Veg.str	FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.6.0116	EMF.6	6			Ri.Plant		FD.AG	FD.BG	FW.AG	C.stor	H2O.cap	
EMF.6.0117	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor	
EMF.6.0118	EMF.6	6			Ri.Plant	Veg.str		FD.BG	FW.AG		H2O.cap	
EMF.6.0119	EMF.6	6	Ri.AG			Veg.str		FD.BG		C.stor	H2O.cap	Nut.ret
EMF.6.0120	EMF.6	6	Ri.AG					FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.6.0121	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG			C.stor		
EMF.6.0122	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.BG				Nut.ret
EMF.6.0123	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG		C.stor	H2O.cap	
EMF.6.0124	EMF.6	6		Ri.BG		Veg.str	Soil.het		FD.BG			Nut.ret
EMF.6.0125	EMF.6	6			Ri.Plant	Veg.str	Soil.het		FD.BG	C.stor		Nut.ret



EMF.6.0126	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FW.AG		H2O.cap	
EMF.6.0127	EMF.6	6		Ri.BG	Veg.str		FD.AG	FD.BG			Nut.ret
EMF.6.0128	EMF.6	6	Ri.AG		Veg.str	Soil.het		FD.BG		C.stor	Nut.ret
EMF.6.0129	EMF.6	6			Ri.Plant			FD.BG	FW.AG	C.stor	H2O.cap
EMF.6.0130	EMF.6	6			Veg.str			FD.BG		C.stor	H2O.cap
EMF.6.0131	EMF.6	6			Ri.Plant	Veg.str		FD.BG		C.stor	H2O.cap
EMF.6.0132	EMF.6	6		Ri.BG	Veg.str			FD.BG			H2O.cap
EMF.6.0133	EMF.6	6	Ri.AG	Ri.BG	Veg.str			FD.BG			Nut.ret
EMF.6.0134	EMF.6	6			Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap
EMF.6.0135	EMF.6	6			Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor
EMF.6.0136	EMF.6	6	Ri.AG		Veg.str	Soil.het		FD.BG			C.stor
EMF.6.0137	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor
EMF.6.0138	EMF.6	6		Ri.BG	Ri.Plant			FD.BG	FW.AG		C.stor
EMF.6.0139	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG			C.stor
EMF.6.0140	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		H2O.cap
EMF.6.0141	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG		H2O.cap
EMF.6.0142	EMF.6	6			Veg.str		FD.AG	FD.BG		FW.BG	C.stor
EMF.6.0143	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			H2O.cap
EMF.6.0144	EMF.6	6			Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap
EMF.6.0145	EMF.6	6	Ri.AG		Veg.str	Soil.het		FD.BG	FW.AG		Nut.ret
EMF.6.0146	EMF.6	6			Veg.str	Soil.het	FD.AG	FD.BG			C.stor
EMF.6.0147	EMF.6	6			Veg.str	Soil.het		FD.BG	FW.AG		Nut.ret
EMF.6.0148	EMF.6	6			Veg.str			FD.BG	FW.AG	FW.BG	H2O.cap
EMF.6.0149	EMF.6	6			Ri.Plant		FD.AG		FW.AG		C.stor
EMF.6.0150	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het				H2O.cap
EMF.6.0151	EMF.6	6	Ri.AG				FD.AG		FW.AG		C.stor
EMF.6.0152	EMF.6	6	Ri.AG		Veg.str				FW.AG	FW.BG	H2O.cap
EMF.6.0153	EMF.6	6	Ri.AG		Ri.Plant	Soil.het	FD.AG				H2O.cap
EMF.6.0154	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.AG				Nut.ret
EMF.6.0155	EMF.6	6		Ri.BG	Veg.str		FD.AG	FD.BG			C.stor
EMF.6.0156	EMF.6	6	Ri.AG			Soil.het			FW.AG		H2O.cap
EMF.6.0157	EMF.6	6			Veg.str	Soil.het		FD.BG			C.stor
EMF.6.0158	EMF.6	6			Veg.str	Soil.het		FD.BG			C.stor
EMF.6.0159	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG			Nut.ret
EMF.6.0160	EMF.6	6		Ri.BG	Veg.str			FD.BG	FW.AG		Nut.ret
EMF.6.0161	EMF.6	6			Veg.str	Soil.het		FD.BG	FW.AG		C.stor
EMF.6.0162	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.BG			H2O.cap
EMF.6.0163	EMF.6	6	Ri.AG						FW.AG	FW.BG	C.stor
EMF.6.0164	EMF.6	6			Ri.Plant		Soil.het		FW.AG		H2O.cap
EMF.6.0165	EMF.6	6	Ri.AG						FW.AG		C.stor
EMF.6.0166	EMF.6	6	Ri.AG		Veg.str		FD.AG	FD.BG			C.stor
EMF.6.0167	EMF.6	6			Veg.str	Soil.het		FD.BG			C.stor
EMF.6.0168	EMF.6	6		Ri.BG	Veg.str			FD.BG	FW.AG		H2O.cap
EMF.6.0169	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		Nut.ret
EMF.6.0170	EMF.6	6			Veg.str	Soil.het	FD.AG	FD.BG			Nut.ret
EMF.6.0171	EMF.6	6			Ri.Plant			FD.BG	FW.AG		H2O.cap
EMF.6.0172	EMF.6	6			Ri.Plant	Veg.str	Soil.het		FW.AG		H2O.cap
EMF.6.0173	EMF.6	6			Ri.Plant	Veg.str		FD.BG			C.stor
EMF.6.0174	EMF.6	6	Ri.AG	Ri.BG					FW.AG		C.stor
EMF.6.0175	EMF.6	6				Soil.het		FD.BG	FW.AG		C.stor
EMF.6.0176	EMF.6	6	Ri.AG		Veg.str			FD.BG			C.stor
EMF.6.0177	EMF.6	6	Ri.AG	Ri.BG	Veg.str				FW.AG		H2O.cap
EMF.6.0178	EMF.6	6			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG	Nut.ret
EMF.6.0179	EMF.6	6	Ri.AG		Veg.str		FD.AG		FW.AG		H2O.cap
EMF.6.0180	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.BG			C.stor
EMF.6.0181	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG			Nut.ret
EMF.6.0182	EMF.6	6	Ri.AG		Veg.str		FD.AG	FD.BG		FW.BG	Nut.ret
EMF.6.0183	EMF.6	6	Ri.AG		Ri.Plant	Soil.het	FD.AG				H2O.cap
EMF.6.0184	EMF.6	6			Ri.Plant	Veg.str		FD.BG			H2O.cap
EMF.6.0185	EMF.6	6			Ri.Plant	Veg.str			FW.AG		H2O.cap
EMF.6.0186	EMF.6	6			Ri.Plant				FW.AG	FW.BG	C.stor
EMF.6.0187	EMF.6	6			Ri.Plant				FW.AG		C.stor
EMF.6.0188	EMF.6	6		Ri.BG	Ri.Plant				FW.AG		C.stor

EMF.6.0189	EMF.6	6	Ri.Plant	Veg.str	FD.AG	FW.AG	C.stor	H2O.cap	
EMF.6.0190	EMF.6	6	Ri.Plant	Veg.str	Soil.het	FW.AG		H2O.cap	
EMF.6.0191	EMF.6	6 Ri.AG	Ri.Plant		FD.BG	FW.AG			Nut.ret
EMF.6.0192	EMF.6	6 Ri.AG		Veg.str	Soil.het	FD.BG		H2O.cap	Nut.ret
EMF.6.0193	EMF.6	6	Ri.Plant	Veg.str	FD.AG	FD.BG			Nut.ret
EMF.6.0194	EMF.6	6	Ri.Plant	Veg.str	Soil.het	FD.BG		H2O.cap	Nut.ret
EMF.6.0195	EMF.6	6		Veg.str	FD.AG	FW.AG	C.stor	H2O.cap	
EMF.6.0196	EMF.6	6 Ri.AG	Ri.BG	Veg.str		FD.BG		H2O.cap	Nut.ret
EMF.6.0197	EMF.6	6 Ri.AG		Ri.Plant	Veg.str	FD.AG		H2O.cap	
EMF.6.0198	EMF.6	6 Ri.AG		Ri.Plant	Veg.str	FD.BG	FW.BG		Nut.ret
EMF.6.0199	EMF.6	6 Ri.AG		Veg.str		FD.BG	FW.BG		Nut.ret
EMF.6.0200	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	FD.BG		H2O.cap	Nut.ret
EMF.6.0201	EMF.6	6		Veg.str		FD.BG	FW.AG	C.stor	Nut.ret
EMF.6.0202	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FW.AG	C.stor	Nut.ret
EMF.6.0203	EMF.6	6 Ri.AG	Ri.BG	Ri.Plant		Soil.het			Nut.ret
EMF.6.0204	EMF.6	6 Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG		Nut.ret
EMF.6.0205	EMF.6	6 Ri.AG		Ri.Plant		FD.AG	FD.BG	C.stor	H2O.cap
EMF.6.0206	EMF.6	6 Ri.AG		Ri.Plant		Soil.het		C.stor	H2O.cap
EMF.6.0207	EMF.6	6		Veg.str	FD.AG	FD.BG	FW.BG		Nut.ret
EMF.6.0208	EMF.6	6 Ri.AG	Ri.BG	Veg.str	Soil.het	FD.BG			Nut.ret
EMF.6.0209	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	Nut.ret
EMF.6.0210	EMF.6	6		Veg.str		FD.AG	FD.BG	FW.AG	Nut.ret
EMF.6.0211	EMF.6	6 Ri.AG		Veg.str	Soil.het		FW.AG	C.stor	
EMF.6.0212	EMF.6	6 Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.BG	H2O.cap
EMF.6.0213	EMF.6	6		Ri.Plant	Veg.str		FW.AG	C.stor	H2O.cap
EMF.6.0214	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FW.AG	C.stor	H2O.cap
EMF.6.0215	EMF.6	6		Veg.str			FW.AG	C.stor	H2O.cap
EMF.6.0216	EMF.6	6 Ri.AG	Ri.BG	Ri.Plant		Soil.het	FW.AG		Nut.ret
EMF.6.0217	EMF.6	6 Ri.AG		Veg.str		FD.BG	FW.AG	C.stor	Nut.ret
EMF.6.0218	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.BG		Nut.ret
EMF.6.0219	EMF.6	6		Ri.Plant	Veg.str	FD.AG	FD.BG	C.stor	Nut.ret
EMF.6.0220	EMF.6	6		Ri.Plant	Veg.str		FW.AG	FW.BG	C.stor
EMF.6.0221	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FW.AG		H2O.cap
EMF.6.0222	EMF.6	6 Ri.AG		Veg.str		FD.BG	FW.BG		H2O.cap
EMF.6.0223	EMF.6	6 Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			H2O.cap
EMF.6.0224	EMF.6	6 Ri.AG		Ri.Plant	Veg.str		FD.AG		H2O.cap
EMF.6.0225	EMF.6	6 Ri.AG		Ri.Plant		FD.AG		C.stor	H2O.cap
EMF.6.0226	EMF.6	6		Veg.str	Soil.het		FD.BG		H2O.cap
EMF.6.0227	EMF.6	6	Ri.BG		Veg.str		FD.BG	C.stor	H2O.cap
EMF.6.0228	EMF.6	6 Ri.AG		Ri.Plant		Soil.het	FD.BG	C.stor	H2O.cap
EMF.6.0229	EMF.6	6 Ri.AG	Ri.BG				FD.BG	FW.AG	H2O.cap
EMF.6.0230	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.BG	C.stor	H2O.cap
EMF.6.0231	EMF.6	6 Ri.AG		Ri.Plant		Soil.het		C.stor	Nut.ret
EMF.6.0232	EMF.6	6		Veg.str			FW.AG	FW.BG	C.stor
EMF.6.0233	EMF.6	6		Ri.Plant	Veg.str		FD.BG	FW.BG	C.stor
EMF.6.0234	EMF.6	6	Ri.BG		Veg.str		FD.BG		C.stor
EMF.6.0235	EMF.6	6	Ri.BG		Veg.str		FW.AG		C.stor
EMF.6.0236	EMF.6	6 Ri.AG	Ri.BG	Ri.Plant		Soil.het		C.stor	H2O.cap
EMF.6.0237	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG	H2O.cap
EMF.6.0238	EMF.6	6 Ri.AG		Ri.Plant		Soil.het		FW.AG	FW.BG
EMF.6.0239	EMF.6	6	Ri.BG				FD.BG	FW.AG	C.stor
EMF.6.0240	EMF.6	6		Ri.Plant	Veg.str		FD.BG	FW.AG	Nut.ret
EMF.6.0241	EMF.6	6		Veg.str	Soil.het		FD.BG	FW.AG	H2O.cap
EMF.6.0242	EMF.6	6		Veg.str		FD.AG	FD.BG	FW.AG	H2O.cap
EMF.6.0243	EMF.6	6				FD.AG	FD.BG	FW.AG	C.stor
EMF.6.0244	EMF.6	6		Veg.str			FD.BG	FW.AG	FW.BG
EMF.6.0245	EMF.6	6 Ri.AG		Ri.Plant	Veg.str		FW.AG		Nut.ret
EMF.6.0246	EMF.6	6 Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG		H2O.cap
EMF.6.0247	EMF.6	6 Ri.AG		Veg.str	Soil.het		FD.BG	FW.BG	Nut.ret
EMF.6.0248	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	H2O.cap
EMF.6.0249	EMF.6	6 Ri.AG		Ri.Plant	Veg.str	Soil.het		FW.AG	
EMF.6.0250	EMF.6	6	Ri.BG		Veg.str		FD.AG	FD.BG	H2O.cap
EMF.6.0251	EMF.6	6 Ri.AG					FW.AG	FW.BG	H2O.cap

EMF.6.0252	EMF.6	6	Ri.AG		Veg.str	FD.AG	FD.BG			H2O.cap	
EMF.6.0253	EMF.6	6					FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret
EMF.6.0254	EMF.6	6	Ri.AG	Ri.Plant	Soil.het				C.stor	H2O.cap	Nut.ret
EMF.6.0255	EMF.6	6		Ri.Plant	Soil.het			FW.AG	C.stor		Nut.ret
EMF.6.0256	EMF.6	6	Ri.AG	Ri.Plant	Soil.het	FD.AG			FW.BG	H2O.cap	
EMF.6.0257	EMF.6	6	Ri.AG		Soil.het		FD.BG	FW.AG		H2O.cap	
EMF.6.0258	EMF.6	6	Ri.AG		Veg.str		FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.0259	EMF.6	6		Ri.Plant	Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.6.0260	EMF.6	6	Ri.AG	Ri.Plant	Veg.str		FD.BG		FW.BG	H2O.cap	
EMF.6.0261	EMF.6	6		Ri.BG	Ri.Plant		FD.BG	FW.AG		H2O.cap	
EMF.6.0262	EMF.6	6			Veg.str	Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.6.0263	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Soil.het			C.stor		Nut.ret
EMF.6.0264	EMF.6	6	Ri.AG		Soil.het			FW.AG	C.stor		Nut.ret
EMF.6.0265	EMF.6	6	Ri.AG	Ri.Plant	Soil.het				FW.BG	C.stor	H2O.cap
EMF.6.0266	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.BG		C.stor	H2O.cap	
EMF.6.0267	EMF.6	6	Ri.AG		Veg.str		FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.0268	EMF.6	6	Ri.AG	Ri.BG				FW.AG		H2O.cap	Nut.ret
EMF.6.0269	EMF.6	6		Ri.BG	Veg.str	Soil.het	FD.BG		C.stor		Nut.ret
EMF.6.0270	EMF.6	6			Veg.str		FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.0271	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Soil.het			C.stor		
EMF.6.0272	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FW.AG		H2O.cap	
EMF.6.0273	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FW.AG			Nut.ret
EMF.6.0274	EMF.6	6			Veg.str		FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.0275	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Soil.het	FD.BG				Nut.ret
EMF.6.0276	EMF.6	6			Veg.str		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.6.0277	EMF.6	6	Ri.AG	Ri.Plant	Soil.het		FD.BG		C.stor		Nut.ret
EMF.6.0278	EMF.6	6		Ri.Plant	Soil.het		FD.BG	FW.AG		H2O.cap	
EMF.6.0279	EMF.6	6					FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.0280	EMF.6	6	Ri.AG				FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.0281	EMF.6	6	Ri.AG		Veg.str	FD.AG	FD.BG	FW.AG			Nut.ret
EMF.6.0282	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG		C.stor		Nut.ret
EMF.6.0283	EMF.6	6	Ri.AG			FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.6.0284	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.BG	FW.AG			Nut.ret
EMF.6.0285	EMF.6	6		Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.6.0286	EMF.6	6		Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.0287	EMF.6	6	Ri.AG		Soil.het			FW.AG	FW.BG	H2O.cap	
EMF.6.0288	EMF.6	6			Veg.str		FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.0289	EMF.6	6	Ri.AG	Ri.Plant		FD.AG		FW.AG			Nut.ret
EMF.6.0290	EMF.6	6		Ri.Plant	Veg.str		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.6.0291	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG				Nut.ret
EMF.6.0292	EMF.6	6	Ri.AG				FD.AG	FD.BG	FW.AG	H2O.cap	
EMF.6.0293	EMF.6	6	Ri.AG	Ri.Plant	Veg.str		FD.AG				Nut.ret
EMF.6.0294	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.BG			Nut.ret
EMF.6.0295	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG			Nut.ret
EMF.6.0296	EMF.6	6	Ri.AG	Ri.Plant	Soil.het				FW.BG	C.stor	Nut.ret
EMF.6.0297	EMF.6	6	Ri.AG	Ri.Plant	Veg.str		FD.AG		FW.BG	H2O.cap	
EMF.6.0298	EMF.6	6			Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.6.0299	EMF.6	6	Ri.AG	Ri.Plant	Soil.het	FD.AG		FW.AG			
EMF.6.0300	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		C.stor	
EMF.6.0301	EMF.6	6	Ri.AG		Veg.str	Soil.het		FD.BG		C.stor	
EMF.6.0302	EMF.6	6	Ri.AG	Ri.Plant	Soil.het		FD.BG	FW.AG			
EMF.6.0303	EMF.6	6		Ri.BG	Ri.Plant	Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.6.0304	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FW.AG		H2O.cap	
EMF.6.0305	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor	
EMF.6.0306	EMF.6	6		Ri.BG	Veg.str	Soil.het		FD.BG		C.stor	H2O.cap
EMF.6.0307	EMF.6	6	Ri.AG		Veg.str		FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.0308	EMF.6	6	Ri.AG	Ri.Plant	Soil.het					H2O.cap	Nut.ret
EMF.6.0309	EMF.6	6	Ri.AG	Ri.Plant	Soil.het		FD.BG				Nut.ret
EMF.6.0310	EMF.6	6		Ri.BG	Veg.str		FD.BG		C.stor		Nut.ret
EMF.6.0311	EMF.6	6		Ri.BG	Ri.Plant		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.6.0312	EMF.6	6		Ri.BG	Ri.Plant	Soil.het		FW.AG			Nut.ret
EMF.6.0313	EMF.6	6	Ri.AG	Ri.Plant	Soil.het				FW.BG		Nut.ret
EMF.6.0314	EMF.6	6	Ri.AG		Soil.het		FD.BG	FW.AG	C.stor	H2O.cap	

EMF.6.0315	EMF.6	6	Ri.BG		Soil.het		FW.AG		C.stor	H2O.cap	
EMF.6.0316	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FW.AG			Nut.ret
EMF.6.0317	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FW.AG		C.stor	H2O.cap
EMF.6.0318	EMF.6	6	Ri.AG		Ri.Plant		FW.AG	FW.BG			Nut.ret
EMF.6.0319	EMF.6	6			Ri.Plant	Veg.str	FD.AG	FW.AG			H2O.cap
EMF.6.0320	EMF.6	6	Ri.AG		Ri.Plant		Soil.het		FW.BG	C.stor	
EMF.6.0321	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.BG		Nut.ret
EMF.6.0322	EMF.6	6			Ri.Plant	Veg.str		FW.AG	FW.BG		H2O.cap
EMF.6.0323	EMF.6	6		Ri.BG	Ri.Plant			FW.AG			H2O.cap
EMF.6.0324	EMF.6	6	Ri.AG			Soil.het	FD.AG	FW.AG			H2O.cap
EMF.6.0325	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.BG		C.stor	
EMF.6.0326	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.BG			H2O.cap
EMF.6.0327	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.BG	FW.AG		Nut.ret
EMF.6.0328	EMF.6	6	Ri.AG		Ri.Plant			FD.AG			H2O.cap
EMF.6.0329	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FW.AG		H2O.cap
EMF.6.0330	EMF.6	6			Ri.Plant		Soil.het		FW.AG	FW.BG	H2O.cap
EMF.6.0331	EMF.6	6				Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap
EMF.6.0332	EMF.6	6	Ri.AG			Veg.str	Soil.het	FD.AG		C.stor	
EMF.6.0333	EMF.6	6	Ri.AG			Veg.str			FW.AG	FW.BG	C.stor
EMF.6.0334	EMF.6	6			Ri.Plant	Veg.str		FD.BG	FW.AG		C.stor
EMF.6.0335	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het				H2O.cap
EMF.6.0336	EMF.6	6	Ri.AG			Veg.str	Soil.het	FD.BG	FW.AG		H2O.cap
EMF.6.0337	EMF.6	6	Ri.AG				Soil.het	FD.BG	FW.AG		Nut.ret
EMF.6.0338	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG		H2O.cap
EMF.6.0339	EMF.6	6				Veg.str		FD.AG	FD.BG	FW.BG	C.stor
EMF.6.0340	EMF.6	6				Veg.str	Soil.het	FD.BG	FW.BG	C.stor	H2O.cap
EMF.6.0341	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG		C.stor
EMF.6.0342	EMF.6	6	Ri.AG			Veg.str		FD.AG	FD.BG	FW.AG	H2O.cap
EMF.6.0343	EMF.6	6					Soil.het	FD.AG	FW.AG		C.stor
EMF.6.0344	EMF.6	6				Veg.str	Soil.het		FW.AG		C.stor
EMF.6.0345	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG			H2O.cap
EMF.6.0346	EMF.6	6			Ri.Plant	Veg.str	Soil.het			C.stor	H2O.cap
EMF.6.0347	EMF.6	6	Ri.AG			Veg.str			FW.AG		C.stor
EMF.6.0348	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		Nut.ret
EMF.6.0349	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG	Nut.ret
EMF.6.0350	EMF.6	6	Ri.AG		Ri.Plant			FD.AG		FW.BG	C.stor
EMF.6.0351	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het				H2O.cap
EMF.6.0352	EMF.6	6	Ri.AG				Soil.het		FW.AG	FW.BG	Nut.ret
EMF.6.0353	EMF.6	6			Ri.Plant			FD.BG	FW.AG	FW.BG	H2O.cap
EMF.6.0354	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.BG	Nut.ret
EMF.6.0355	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.AG	H2O.cap
EMF.6.0356	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor
EMF.6.0357	EMF.6	6					Soil.het		FW.AG		C.stor
EMF.6.0358	EMF.6	6			Ri.Plant			FD.AG	FW.AG		H2O.cap
EMF.6.0359	EMF.6	6		Ri.BG		Veg.str			FD.BG	FW.BG	Nut.ret
EMF.6.0360	EMF.6	6	Ri.AG			Veg.str	Soil.het		FW.AG		H2O.cap
EMF.6.0361	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FD.BG		H2O.cap
EMF.6.0362	EMF.6	6	Ri.AG			Veg.str		FD.AG		C.stor	H2O.cap
EMF.6.0363	EMF.6	6	Ri.AG		Ri.Plant	Veg.str					H2O.cap
EMF.6.0364	EMF.6	6	Ri.AG		Ri.Plant			FD.AG		FW.BG	H2O.cap
EMF.6.0365	EMF.6	6			Ri.Plant		Soil.het	FD.BG	FW.AG		C.stor
EMF.6.0366	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FD.BG		H2O.cap
EMF.6.0367	EMF.6	6				Veg.str	Soil.het		FW.AG		C.stor
EMF.6.0368	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG		H2O.cap
EMF.6.0369	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			
EMF.6.0370	EMF.6	6	Ri.AG		Ri.Plant	Veg.str					C.stor
EMF.6.0371	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FD.BG		H2O.cap
EMF.6.0372	EMF.6	6	Ri.AG		Ri.Plant				FW.AG		C.stor
EMF.6.0373	EMF.6	6					Soil.het		FW.AG	FW.BG	C.stor
EMF.6.0374	EMF.6	6				Veg.str	Soil.het		FD.BG	FW.BG	Nut.ret
EMF.6.0375	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.AG		Nut.ret
EMF.6.0376	EMF.6	6		Ri.BG					FD.BG	FW.AG	H2O.cap
EMF.6.0377	EMF.6	6			Ri.Plant				FW.AG	FW.BG	H2O.cap

EMF.6.0378	EMF.6	6	Ri.AG		Veg.str		FD.AG		FW.AG		C.stor	H2O.cap		
EMF.6.0379	EMF.6	6	Ri.AG	Ri.BG					FW.AG	FW.BG		H2O.cap		
EMF.6.0380	EMF.6	6	Ri.AG		Ri.Plant		FD.AG	FD.BG	FW.AG				Nut.ret	
EMF.6.0381	EMF.6	6			Veg.str	Soil.het		FD.BG		FW.BG	C.stor		Nut.ret	
EMF.6.0382	EMF.6	6			Ri.Plant	Veg.str		FD.BG			C.stor		Nut.ret	
EMF.6.0383	EMF.6	6	Ri.AG		Ri.Plant	Soil.het		FD.BG				H2O.cap	Nut.ret	
EMF.6.0384	EMF.6	6			Ri.Plant	Veg.str	FD.AG	FD.BG		FW.BG			Nut.ret	
EMF.6.0385	EMF.6	6	Ri.AG		Ri.Plant	Soil.het	FD.AG			FW.BG				
EMF.6.0386	EMF.6	6	Ri.AG		Ri.Plant		FD.AG	FD.BG					Nut.ret	
EMF.6.0387	EMF.6	6			Veg.str		FD.AG	FD.BG	FW.AG		C.stor		Nut.ret	
EMF.6.0388	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG				Nut.ret	
EMF.6.0389	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG			C.stor			
EMF.6.0390	EMF.6	6	Ri.AG			Veg.str	Soil.het				C.stor	H2O.cap		
EMF.6.0391	EMF.6	6	Ri.AG			Veg.str			FD.BG	FW.BG	C.stor		Nut.ret	
EMF.6.0392	EMF.6	6	Ri.AG					FD.AG		FW.AG	FW.BG	H2O.cap		
EMF.6.0393	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG	C.stor			
EMF.6.0394	EMF.6	6			Veg.str	Soil.het			FW.AG	FW.BG	C.stor	H2O.cap		
EMF.6.0395	EMF.6	6	Ri.AG		Ri.Plant			FD.BG	FW.AG		C.stor		Nut.ret	
EMF.6.0396	EMF.6	6		Ri.BG	Ri.Plant			FD.AG		FW.AG		C.stor	H2O.cap	
EMF.6.0397	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FD.BG			C.stor	Nut.ret	
EMF.6.0398	EMF.6	6	Ri.AG		Ri.Plant				FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.6.0399	EMF.6	6			Ri.Plant			FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.0400	EMF.6	6	Ri.AG			Veg.str	Soil.het			FW.AG		C.stor		Nut.ret
EMF.6.0401	EMF.6	6		Ri.BG		Veg.str		FD.AG	FD.BG			C.stor		Nut.ret
EMF.6.0402	EMF.6	6		Ri.BG		Veg.str				FW.AG			H2O.cap	Nut.ret
EMF.6.0403	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het							
EMF.6.0404	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG			
EMF.6.0405	EMF.6	6	Ri.AG			Veg.str	Soil.het		FD.BG				H2O.cap	
EMF.6.0406	EMF.6	6			Ri.Plant			FD.AG		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.6.0407	EMF.6	6	Ri.AG			Veg.str	Soil.het					C.stor		Nut.ret
EMF.6.0408	EMF.6	6			Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG				Nut.ret
EMF.6.0409	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.6.0410	EMF.6	6			Ri.Plant		Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.0411	EMF.6	6				Veg.str	Soil.het	FD.AG		FW.AG		C.stor	H2O.cap	
EMF.6.0412	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het				FW.BG			
EMF.6.0413	EMF.6	6	Ri.AG		Ri.Plant		Soil.het				FW.BG		H2O.cap	Nut.ret
EMF.6.0414	EMF.6	6			Ri.Plant		Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.6.0415	EMF.6	6		Ri.BG		Veg.str	Soil.het			FW.AG		C.stor	H2O.cap	
EMF.6.0416	EMF.6	6			Ri.Plant				FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.0417	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG			H2O.cap	
EMF.6.0418	EMF.6	6				Veg.str		FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.6.0419	EMF.6	6				Veg.str	Soil.het	FD.AG	FD.BG			C.stor		
EMF.6.0420	EMF.6	6				Veg.str				FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.0421	EMF.6	6	Ri.AG		Ri.Plant		Soil.het		FD.BG		FW.BG			Nut.ret
EMF.6.0422	EMF.6	6			Ri.Plant	Veg.str		FD.AG	FD.BG				H2O.cap	
EMF.6.0423	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.AG			H2O.cap	
EMF.6.0424	EMF.6	6	Ri.AG		Ri.Plant			FD.AG			FW.BG			Nut.ret
EMF.6.0425	EMF.6	6			Ri.Plant	Veg.str		FD.AG				C.stor	H2O.cap	
EMF.6.0426	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG				Nut.ret
EMF.6.0427	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG					Nut.ret
EMF.6.0428	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FD.BG		FW.BG			Nut.ret
EMF.6.0429	EMF.6	6			Ri.Plant	Veg.str	Soil.het					C.stor	H2O.cap	Nut.ret
EMF.6.0430	EMF.6	6				Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	
EMF.6.0431	EMF.6	6		Ri.BG	Ri.Plant		Soil.het			FW.AG		C.stor		Nut.ret
EMF.6.0432	EMF.6	6		Ri.BG		Veg.str			FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.6.0433	EMF.6	6	Ri.AG		Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor		
EMF.6.0434	EMF.6	6		Ri.BG	Ri.Plant					FW.AG	FW.BG	C.stor	H2O.cap	
EMF.6.0435	EMF.6	6	Ri.AG			Veg.str		FD.AG			FW.BG			Nut.ret
EMF.6.0436	EMF.6	6		Ri.BG	Ri.Plant					FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.0437	EMF.6	6			Ri.Plant					FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.0438	EMF.6	6	Ri.AG			Veg.str			FD.BG		FW.BG		H2O.cap	
EMF.6.0439	EMF.6	6			Ri.Plant	Veg.str	Soil.het		FD.BG			C.stor		
EMF.6.0440	EMF.6	6			Ri.Plant	Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap	

EMF.6.0441	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG					H2O.cap
EMF.6.0442	EMF.6	6				Veg.str	Soil.het		FD.BG	FW.AG		C.stor	
EMF.6.0443	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap
EMF.6.0444	EMF.6	6			Ri.Plant	Veg.str		FD.AG		FW.AG			H2O.cap Nut.ret
EMF.6.0445	EMF.6	6	Ri.AG		Ri.Plant	Veg.str				FW.AG	FW.BG		Nut.ret
EMF.6.0446	EMF.6	6			Ri.Plant	Veg.str				FW.AG	FW.BG		H2O.cap Nut.ret
EMF.6.0447	EMF.6	6	Ri.AG			Veg.str	Soil.het				FW.BG		Nut.ret
EMF.6.0448	EMF.6	6		Ri.BG	Ri.Plant	Veg.str				FW.AG			H2O.cap Nut.ret
EMF.6.0449	EMF.6	6			Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	Nut.ret
EMF.6.0450	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG				
EMF.6.0451	EMF.6	6	Ri.AG						FD.BG	FW.AG		C.stor	H2O.cap Nut.ret
EMF.6.0452	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het					C.stor	H2O.cap
EMF.6.0453	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.AG	FW.BG		
EMF.6.0454	EMF.6	6	Ri.AG			Veg.str				FW.AG	FW.BG		Nut.ret
EMF.6.0455	EMF.6	6				Veg.str			FD.BG		FW.BG	C.stor	Nut.ret
EMF.6.0456	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG			Nut.ret
EMF.6.0457	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG					
EMF.6.0458	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		
EMF.6.0459	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG					Nut.ret
EMF.6.0460	EMF.6	6	Ri.AG		Ri.Plant		Soil.het				FW.BG		H2O.cap
EMF.6.0461	EMF.6	6			Ri.Plant		Soil.het		FD.BG	FW.AG			Nut.ret
EMF.6.0462	EMF.6	6		Ri.BG	Ri.Plant		Soil.het			FW.AG		C.stor	
EMF.6.0463	EMF.6	6	Ri.AG		Ri.Plant		Soil.het		FD.BG				H2O.cap
EMF.6.0464	EMF.6	6			Ri.Plant		Soil.het	FD.AG		FW.AG		C.stor	
EMF.6.0465	EMF.6	6	Ri.AG				Soil.het	FD.AG		FW.AG			Nut.ret
EMF.6.0466	EMF.6	6	Ri.AG			Veg.str		FD.AG					H2O.cap Nut.ret
EMF.6.0467	EMF.6	6	Ri.AG		Ri.Plant	Veg.str					FW.BG		H2O.cap
EMF.6.0468	EMF.6	6		Ri.BG	Ri.Plant			FD.AG		FW.AG			H2O.cap
EMF.6.0469	EMF.6	6	Ri.AG		Ri.Plant			FD.AG			FW.BG		H2O.cap Nut.ret
EMF.6.0470	EMF.6	6		Ri.BG	Ri.Plant					FW.AG	FW.BG		H2O.cap
EMF.6.0471	EMF.6	6			Ri.Plant	Veg.str	Soil.het					C.stor	Nut.ret
EMF.6.0472	EMF.6	6			Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor	H2O.cap
EMF.6.0473	EMF.6	6			Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.0474	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG			H2O.cap
EMF.6.0475	EMF.6	6			Ri.Plant	Veg.str			FD.BG		FW.BG		Nut.ret
EMF.6.0476	EMF.6	6	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG		C.stor	
EMF.6.0477	EMF.6	6		Ri.BG		Veg.str			FD.BG	FW.AG		C.stor	Nut.ret
EMF.6.0478	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het						Nut.ret
EMF.6.0479	EMF.6	6	Ri.AG		Ri.Plant			FD.AG				C.stor	H2O.cap Nut.ret
EMF.6.0480	EMF.6	6	Ri.AG			Veg.str				FW.AG	FW.BG		H2O.cap Nut.ret
EMF.6.0481	EMF.6	6	Ri.AG		Ri.Plant	Veg.str						C.stor	H2O.cap Nut.ret
EMF.6.0482	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG		C.stor	
EMF.6.0483	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG			Nut.ret
EMF.6.0484	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG		
EMF.6.0485	EMF.6	6				Veg.str	Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.0486	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG				C.stor	H2O.cap
EMF.6.0487	EMF.6	6		Ri.BG		Veg.str			FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.0488	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str							H2O.cap
EMF.6.0489	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG					H2O.cap
EMF.6.0490	EMF.6	6		Ri.BG	Ri.Plant	Veg.str			FD.BG			C.stor	Nut.ret
EMF.6.0491	EMF.6	6			Ri.Plant		Soil.het	FD.AG				C.stor	H2O.cap
EMF.6.0492	EMF.6	6	Ri.AG			Veg.str		FD.AG		FW.AG			Nut.ret
EMF.6.0493	EMF.6	6	Ri.AG		Ri.Plant	Veg.str					FW.BG		H2O.cap Nut.ret
EMF.6.0494	EMF.6	6	Ri.AG			Veg.str	Soil.het			FW.AG	FW.BG		Nut.ret
EMF.6.0495	EMF.6	6	Ri.AG			Veg.str	Soil.het						H2O.cap Nut.ret
EMF.6.0496	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG			
EMF.6.0497	EMF.6	6	Ri.AG		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG		
EMF.6.0498	EMF.6	6	Ri.AG		Ri.Plant			FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.0499	EMF.6	6			Ri.Plant		Soil.het			FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.0500	EMF.6	6	Ri.AG						FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.0501	EMF.6	6	Ri.AG		Ri.Plant	Veg.str					FW.BG	C.stor	H2O.cap
EMF.6.0502	EMF.6	6	Ri.AG					FD.AG	FD.BG	FW.AG		C.stor	H2O.cap
EMF.6.0503	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str						C.stor	H2O.cap



EMF.6.0504	EMF.6	6		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.6.0505	EMF.6	6		Veg.str	Soil.het		FD.BG		FW.BG	H2O.cap		Nut.ret
EMF.6.0506	EMF.6	6	Ri.BG	Veg.str	Soil.het			FW.AG				Nut.ret
EMF.6.0507	EMF.6	6	Ri.BG	Veg.str	Soil.het		FD.BG		FW.BG			Nut.ret
EMF.6.0508	EMF.6	6	Ri.AG	Ri.BG			FD.BG	FW.AG		C.stor	H2O.cap	
EMF.6.0509	EMF.6	6		Veg.str			FD.BG	FW.AG	FW.BG	C.stor		Nut.ret
EMF.6.0510	EMF.6	6		Ri.Plant		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.6.0511	EMF.6	6		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG			Nut.ret
EMF.6.0512	EMF.6	6		Ri.Plant	Soil.het		FD.BG	FW.AG		C.stor		
EMF.6.0513	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.BG				H2O.cap	
EMF.6.0514	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG			Nut.ret
EMF.6.0515	EMF.6	6	Ri.AG		Soil.het			FW.AG	FW.BG	C.stor		
EMF.6.0516	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG			H2O.cap	
EMF.6.0517	EMF.6	6	Ri.BG		Veg.str	Soil.het		FW.AG			H2O.cap	
EMF.6.0518	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			
EMF.6.0519	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG		C.stor		
EMF.6.0520	EMF.6	6	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG			Nut.ret
EMF.6.0521	EMF.6	6	Ri.AG	Ri.Plant	Veg.str			FW.AG		C.stor		Nut.ret
EMF.6.0522	EMF.6	6	Ri.AG			Soil.het		FD.BG	FW.AG		C.stor	
EMF.6.0523	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		C.stor		
EMF.6.0524	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			
EMF.6.0525	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG	H2O.cap	
EMF.6.0526	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str					H2O.cap	Nut.ret
EMF.6.0527	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	C.stor		
EMF.6.0528	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG		C.stor		
EMF.6.0529	EMF.6	6	Ri.AG		Veg.str			FW.AG		C.stor		Nut.ret
EMF.6.0530	EMF.6	6	Ri.AG	Ri.Plant			FD.AG	FD.BG		FW.BG		Nut.ret
EMF.6.0531	EMF.6	6	Ri.AG			Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.6.0532	EMF.6	6		Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor	H2O.cap	
EMF.6.0533	EMF.6	6	Ri.AG	Ri.BG				FD.BG	FW.AG			Nut.ret
EMF.6.0534	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG			Nut.ret
EMF.6.0535	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			Nut.ret
EMF.6.0536	EMF.6	6	Ri.AG			Soil.het	FD.AG		FW.AG		C.stor	
EMF.6.0537	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FW.AG		C.stor		
EMF.6.0538	EMF.6	6		Ri.Plant		Soil.het	FD.AG		FW.AG			Nut.ret
EMF.6.0539	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het						Nut.ret
EMF.6.0540	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG	C.stor	
EMF.6.0541	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FD.BG			H2O.cap	
EMF.6.0542	EMF.6	6		Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor		
EMF.6.0543	EMF.6	6	Ri.BG		Veg.str		FD.AG	FD.BG	FW.BG			Nut.ret
EMF.6.0544	EMF.6	6		Ri.Plant	Veg.str			FD.BG	FW.BG	C.stor		Nut.ret
EMF.6.0545	EMF.6	6	Ri.AG		Veg.str		FD.AG	FD.BG		C.stor		
EMF.6.0546	EMF.6	6	Ri.AG	Ri.Plant			FD.AG	FD.BG		FW.BG	H2O.cap	
EMF.6.0547	EMF.6	6				Soil.het		FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.6.0548	EMF.6	6		Ri.Plant		Soil.het			FW.AG	FW.BG		Nut.ret
EMF.6.0549	EMF.6	6	Ri.BG	Ri.Plant	Veg.str			FD.BG		FW.BG		Nut.ret
EMF.6.0550	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FW.AG			Nut.ret
EMF.6.0551	EMF.6	6	Ri.BG		Veg.str		FD.AG	FD.BG			H2O.cap	
EMF.6.0552	EMF.6	6			Veg.str	Soil.het			FW.AG	FW.BG	H2O.cap	
EMF.6.0553	EMF.6	6			Veg.str	Soil.het	FD.AG			C.stor		Nut.ret
EMF.6.0554	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG			
EMF.6.0555	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG		
EMF.6.0556	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG		
EMF.6.0557	EMF.6	6		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.6.0558	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap	Nut.ret
EMF.6.0559	EMF.6	6	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG			Nut.ret
EMF.6.0560	EMF.6	6		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.0561	EMF.6	6			Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	
EMF.6.0562	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het				C.stor		Nut.ret
EMF.6.0563	EMF.6	6	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG				
EMF.6.0564	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het			FW.BG		
EMF.6.0565	EMF.6	6	Ri.AG			Soil.het			FW.AG	C.stor	H2O.cap	Nut.ret
EMF.6.0566	EMF.6	6	Ri.AG	Ri.Plant	Veg.str	Soil.het		FD.BG		FW.BG		

EMF.6.0567	EMF.6	6	Ri.AG	Ri.BG	Veg.str			FW.AG		H2O.cap	Nut.ret
EMF.6.0568	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.BG		FW.BG	C.stor	
EMF.6.0569	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	FD.AG			C.stor	Nut.ret
EMF.6.0570	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG	FW.AG		H2O.cap
EMF.6.0571	EMF.6	6			Ri.Plant	Veg.str	Soil.het				H2O.cap
EMF.6.0572	EMF.6	6					FD.AG	FD.BG	FW.AG		H2O.cap
EMF.6.0573	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG			C.stor	H2O.cap
EMF.6.0574	EMF.6	6	Ri.AG		Veg.str		FD.AG		FW.BG		H2O.cap
EMF.6.0575	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.BG	FW.BG		H2O.cap
EMF.6.0576	EMF.6	6	Ri.AG			Veg.str	FD.AG		FW.AG		H2O.cap
EMF.6.0577	EMF.6	6		Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG	Nut.ret
EMF.6.0578	EMF.6	6						FD.BG	FW.AG	FW.BG	H2O.cap
EMF.6.0579	EMF.6	6	Ri.AG	Ri.BG			Soil.het		FW.AG	C.stor	H2O.cap
EMF.6.0580	EMF.6	6			Veg.str	Soil.het			FW.AG	FW.BG	Nut.ret
EMF.6.0581	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	H2O.cap
EMF.6.0582	EMF.6	6	Ri.AG				Soil.het	FD.AG	FW.AG	C.stor	H2O.cap
EMF.6.0583	EMF.6	6			Veg.str			FD.AG	FD.BG	FW.AG	FW.BG
EMF.6.0584	EMF.6	6	Ri.AG						FD.BG	FW.AG	C.stor
EMF.6.0585	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FD.BG		C.stor
EMF.6.0586	EMF.6	6	Ri.AG		Veg.str	Soil.het				FW.BG	C.stor
EMF.6.0587	EMF.6	6	Ri.AG						FD.BG	FW.AG	FW.BG
EMF.6.0588	EMF.6	6	Ri.AG					FD.AG	FD.BG	FW.AG	Nut.ret
EMF.6.0589	EMF.6	6		Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor
EMF.6.0590	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	
EMF.6.0591	EMF.6	6	Ri.AG		Ri.Plant			FD.AG			C.stor
EMF.6.0592	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor
EMF.6.0593	EMF.6	6			Ri.Plant	Veg.str			FD.BG	FW.BG	H2O.cap
EMF.6.0594	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		
EMF.6.0595	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		
EMF.6.0596	EMF.6	6	Ri.AG		Ri.Plant	Veg.str				FW.BG	Nut.ret
EMF.6.0597	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap
EMF.6.0598	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG		H2O.cap
EMF.6.0599	EMF.6	6	Ri.AG		Ri.Plant				FW.AG	FW.BG	C.stor
EMF.6.0600	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG				H2O.cap
EMF.6.0601	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		H2O.cap
EMF.6.0602	EMF.6	6						FD.AG		FW.AG	C.stor
EMF.6.0603	EMF.6	6		Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG
EMF.6.0604	EMF.6	6		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG	H2O.cap
EMF.6.0605	EMF.6	6			Ri.Plant	Veg.str		FD.AG			H2O.cap
EMF.6.0606	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		Nut.ret
EMF.6.0607	EMF.6	6	Ri.AG		Ri.Plant			FD.AG		FW.AG	C.stor
EMF.6.0608	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor
EMF.6.0609	EMF.6	6			Veg.str	Soil.het	FD.AG		FW.AG		Nut.ret
EMF.6.0610	EMF.6	6		Ri.BG				FD.AG		FW.AG	C.stor
EMF.6.0611	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			
EMF.6.0612	EMF.6	6	Ri.AG		Veg.str	Soil.het			FW.AG	FW.BG	H2O.cap
EMF.6.0613	EMF.6	6		Ri.BG	Veg.str				FW.AG	FW.BG	H2O.cap
EMF.6.0614	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		H2O.cap
EMF.6.0615	EMF.6	6						FD.AG		FW.AG	FW.BG
EMF.6.0616	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.BG	H2O.cap
EMF.6.0617	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	Nut.ret
EMF.6.0618	EMF.6	6		Ri.BG		Veg.str		FD.AG		FW.AG	H2O.cap
EMF.6.0619	EMF.6	6	Ri.AG		Veg.str				FD.BG	FW.AG	C.stor
EMF.6.0620	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			Nut.ret
EMF.6.0621	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	
EMF.6.0622	EMF.6	6		Ri.BG					FW.AG		C.stor
EMF.6.0623	EMF.6	6		Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	H2O.cap
EMF.6.0624	EMF.6	6			Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG
EMF.6.0625	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG	H2O.cap
EMF.6.0626	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.BG	Nut.ret
EMF.6.0627	EMF.6	6			Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG
EMF.6.0628	EMF.6	6	Ri.AG		Ri.Plant	Veg.str			FD.BG		C.stor
EMF.6.0629	EMF.6	6		Ri.BG		Veg.str	Soil.het		FD.BG		C.stor

EMF.6.0630	EMF.6	6	Ri.BG		Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.6.0631	EMF.6	6		Veg.str		FD.AG	FW.AG	FW.BG	H2O.cap	
EMF.6.0632	EMF.6	6					FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.0633	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	FD.AG			H2O.cap	Nut.ret
EMF.6.0634	EMF.6	6	Ri.BG				FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.0635	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	FD.AG				Nut.ret
EMF.6.0636	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.BG	FW.BG	C.stor	
EMF.6.0637	EMF.6	6		Ri.Plant	Veg.str	FD.AG		FW.BG	C.stor	H2O.cap
EMF.6.0638	EMF.6	6		Ri.Plant	Veg.str	FD.AG	FD.BG	FW.BG		H2O.cap
EMF.6.0639	EMF.6	6			Veg.str	FD.AG	FD.BG	FW.BG		H2O.cap
EMF.6.0640	EMF.6	6		Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap
EMF.6.0641	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het			C.stor	
EMF.6.0642	EMF.6	6	Ri.BG		Veg.str		FD.BG	FW.BG	C.stor	Nut.ret
EMF.6.0643	EMF.6	6	Ri.AG		Ri.Plant		FD.BG	FW.AG	C.stor	
EMF.6.0644	EMF.6	6		Ri.Plant	Veg.str	FD.AG			C.stor	H2O.cap
EMF.6.0645	EMF.6	6	Ri.AG		Ri.Plant		FD.BG			H2O.cap
EMF.6.0646	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	FD.AG	FW.AG			Nut.ret
EMF.6.0647	EMF.6	6	Ri.AG		Ri.Plant		FD.BG		C.stor	H2O.cap
EMF.6.0648	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het			C.stor	
EMF.6.0649	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FW.BG		H2O.cap
EMF.6.0650	EMF.6	6	Ri.BG		Veg.str	Soil.het	FD.BG			H2O.cap
EMF.6.0651	EMF.6	6	Ri.AG		Ri.Plant	Veg.str			C.stor	Nut.ret
EMF.6.0652	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FW.BG		Nut.ret
EMF.6.0653	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str				Nut.ret
EMF.6.0654	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			Nut.ret
EMF.6.0655	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.AG		C.stor	H2O.cap
EMF.6.0656	EMF.6	6	Ri.AG		Veg.str		FD.AG		C.stor	Nut.ret
EMF.6.0657	EMF.6	6			Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap
EMF.6.0658	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FD.BG		Nut.ret
EMF.6.0659	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG			H2O.cap
EMF.6.0660	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG
EMF.6.0661	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het				H2O.cap
EMF.6.0662	EMF.6	6		Ri.Plant		Soil.het	FD.AG		C.stor	Nut.ret
EMF.6.0663	EMF.6	6		Ri.Plant			FD.AG	FD.BG	C.stor	H2O.cap
EMF.6.0664	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FW.AG	C.stor	Nut.ret
EMF.6.0665	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FW.BG		Nut.ret
EMF.6.0666	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG		C.stor	Nut.ret
EMF.6.0667	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG	C.stor
EMF.6.0668	EMF.6	6	Ri.AG		Ri.Plant		FD.AG	FW.AG	C.stor	
EMF.6.0669	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	FD.AG		C.stor	
EMF.6.0670	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FW.AG	C.stor	
EMF.6.0671	EMF.6	6	Ri.BG	Ri.Plant			FD.AG	FW.AG		H2O.cap
EMF.6.0672	EMF.6	6	Ri.BG	Ri.Plant				FW.AG	FW.BG	H2O.cap
EMF.6.0673	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.BG		C.stor	
EMF.6.0674	EMF.6	6			Veg.str	Soil.het	FD.AG	FW.AG	C.stor	
EMF.6.0675	EMF.6	6	Ri.AG		Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap
EMF.6.0676	EMF.6	6	Ri.BG			Soil.het	FD.BG	FW.AG		H2O.cap
EMF.6.0677	EMF.6	6	Ri.AG		Veg.str	Soil.het		FW.AG	FW.BG	C.stor
EMF.6.0678	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.BG	FW.AG	C.stor	
EMF.6.0679	EMF.6	6		Ri.Plant			FD.AG	FW.AG	FW.BG	H2O.cap
EMF.6.0680	EMF.6	6	Ri.BG			Soil.het	FD.BG	FW.AG		Nut.ret
EMF.6.0681	EMF.6	6	Ri.AG		Ri.Plant		Soil.het	FD.BG	FW.BG	
EMF.6.0682	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FW.AG		H2O.cap
EMF.6.0683	EMF.6	6		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.6.0684	EMF.6	6	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG	H2O.cap
EMF.6.0685	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het		FW.AG		Nut.ret
EMF.6.0686	EMF.6	6		Ri.Plant		Soil.het	FD.AG		FW.BG	C.stor
EMF.6.0687	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.AG		C.stor	H2O.cap
EMF.6.0688	EMF.6	6	Ri.BG		Veg.str			FW.AG	C.stor	H2O.cap
EMF.6.0689	EMF.6	6	Ri.BG		Veg.str		FD.BG	FW.AG	FW.BG	H2O.cap
EMF.6.0690	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.BG	FW.BG		H2O.cap
EMF.6.0691	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FW.AG		Nut.ret
EMF.6.0692	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FW.BG	C.stor	

EMF.6.0693	EMF.6	6	Ri.BG	Veg.str	FD.AG	FW.AG	C.stor	H2O.cap				
EMF.6.0694	EMF.6	6	Ri.BG	Veg.str	FD.BG	FW.AG	FW.BG	H2O.cap				
EMF.6.0695	EMF.6	6	Ri.BG	Veg.str	Soil.het	FD.BG	FW.AG	H2O.cap				
EMF.6.0696	EMF.6	6	Ri.BG	Ri.Plant	FD.BG	FW.AG			Nut.ret			
EMF.6.0697	EMF.6	6	Ri.BG	Veg.str		FW.AG	FW.BG	C.stor	H2O.cap			
EMF.6.0698	EMF.6	6		Ri.Plant	Soil.het	FD.AG		C.stor	H2O.cap	Nut.ret		
EMF.6.0699	EMF.6	6	Ri.BG	Ri.Plant	Soil.het		FW.AG	FW.BG		Nut.ret		
EMF.6.0700	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	FD.BG			H2O.cap			
EMF.6.0701	EMF.6	6		Veg.str	Soil.het	FD.BG		FW.BG	C.stor			
EMF.6.0702	EMF.6	6	Ri.AG		Veg.str	Soil.het			FW.BG	H2O.cap		
EMF.6.0703	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	FD.BG			FW.BG	H2O.cap		
EMF.6.0704	EMF.6	6	Ri.AG	Ri.Plant		FD.AG			FW.BG	C.stor	Nut.ret	
EMF.6.0705	EMF.6	6	Ri.BG	Veg.str	Soil.het			FW.AG		C.stor		
EMF.6.0706	EMF.6	6		Veg.str	FD.AG			FW.BG	C.stor	H2O.cap		
EMF.6.0707	EMF.6	6		Veg.str				FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.0708	EMF.6	6		Veg.str	Soil.het			FW.AG	FW.BG	C.stor		
EMF.6.0709	EMF.6	6		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.6.0710	EMF.6	6	Ri.BG		FD.AG	FD.BG	FW.AG				H2O.cap	
EMF.6.0711	EMF.6	6	Ri.AG	Ri.BG	Veg.str			FW.AG	FW.BG		H2O.cap	
EMF.6.0712	EMF.6	6		Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.6.0713	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het			FW.AG		H2O.cap	
EMF.6.0714	EMF.6	6	Ri.BG				FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.6.0715	EMF.6	6		Veg.str	FD.AG			FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.0716	EMF.6	6	Ri.BG	Ri.Plant	Soil.het	FD.AG			FW.AG		C.stor	
EMF.6.0717	EMF.6	6		Ri.Plant	Veg.str	Soil.het				FW.BG	H2O.cap	Nut.ret
EMF.6.0718	EMF.6	6	Ri.AG	Ri.BG	Veg.str	FD.AG						Nut.ret
EMF.6.0719	EMF.6	6		Ri.Plant	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.6.0720	EMF.6	6	Ri.BG	Ri.Plant	Soil.het	FD.AG			FW.AG			Nut.ret
EMF.6.0721	EMF.6	6	Ri.AG			FD.AG			FW.AG	FW.BG		Nut.ret
EMF.6.0722	EMF.6	6	Ri.AG	Ri.Plant			FD.BG			C.stor	H2O.cap	Nut.ret
EMF.6.0723	EMF.6	6	Ri.AG	Ri.Plant				FW.AG	FW.BG	C.stor		
EMF.6.0724	EMF.6	6		Veg.str	FD.AG					C.stor	H2O.cap	Nut.ret
EMF.6.0725	EMF.6	6		Veg.str	Soil.het	FD.BG	FW.AG	FW.BG			H2O.cap	
EMF.6.0726	EMF.6	6		Ri.Plant	Soil.het	FD.BG	FW.AG	FW.BG				Nut.ret
EMF.6.0727	EMF.6	6		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.6.0728	EMF.6	6	Ri.AG		Veg.str	FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.6.0729	EMF.6	6		Veg.str	FD.AG			FW.AG	FW.BG	C.stor	H2O.cap	
EMF.6.0730	EMF.6	6		Ri.Plant	Soil.het	FD.BG	FW.AG	FW.BG	C.stor			
EMF.6.0731	EMF.6	6	Ri.AG		Soil.het	FD.BG	FW.AG				H2O.cap	Nut.ret
EMF.6.0732	EMF.6	6			Soil.het	FD.BG	FW.AG			C.stor		Nut.ret
EMF.6.0733	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het					H2O.cap	
EMF.6.0734	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.BG			H2O.cap	Nut.ret
EMF.6.0735	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.AG				H2O.cap	
EMF.6.0736	EMF.6	6	Ri.AG		Veg.str	Soil.het			FW.AG	FW.BG		
EMF.6.0737	EMF.6	6	Ri.AG				FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.0738	EMF.6	6	Ri.AG		Veg.str				FW.BG		H2O.cap	Nut.ret
EMF.6.0739	EMF.6	6	Ri.AG		Veg.str	Soil.het				FW.BG	C.stor	Nut.ret
EMF.6.0740	EMF.6	6	Ri.AG	Ri.Plant		FD.AG	FD.BG			C.stor		
EMF.6.0741	EMF.6	6	Ri.AG		Veg.str	Soil.het				C.stor	H2O.cap	Nut.ret
EMF.6.0742	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het					H2O.cap	
EMF.6.0743	EMF.6	6	Ri.AG	Ri.Plant		FD.AG			FW.BG	C.stor		
EMF.6.0744	EMF.6	6	Ri.AG		Veg.str					C.stor	H2O.cap	Nut.ret
EMF.6.0745	EMF.6	6		Ri.Plant	Soil.het	FD.AG	FD.BG			C.stor		Nut.ret
EMF.6.0746	EMF.6	6	Ri.AG	Ri.BG			FD.BG	FW.AG			H2O.cap	Nut.ret
EMF.6.0747	EMF.6	6	Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor		
EMF.6.0748	EMF.6	6	Ri.AG	Ri.BG	Veg.str	FD.AG	FD.BG				H2O.cap	
EMF.6.0749	EMF.6	6			Soil.het		FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.0750	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.6.0751	EMF.6	6	Ri.AG		Veg.str	Soil.het				FW.BG	C.stor	H2O.cap
EMF.6.0752	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.BG		C.stor	H2O.cap	
EMF.6.0753	EMF.6	6			Veg.str	Soil.het	FD.AG				FW.BG	Nut.ret
EMF.6.0754	EMF.6	6			Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.0755	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het					FW.BG	Nut.ret

EMF.6.0756	EMF.6	6	Ri.AG	Ri.Plant	Veg.str		FD.BG	FW.AG				
EMF.6.0757	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		FD.AG		FW.BG		Nut.ret	
EMF.6.0758	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FW.AG		C.stor		
EMF.6.0759	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG		FW.BG	C.stor		
EMF.6.0760	EMF.6	6	Ri.AG		Ri.Plant			FD.BG		FW.BG	H2O.cap	
EMF.6.0761	EMF.6	6				Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.6.0762	EMF.6	6	Ri.AG		Ri.Plant			FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.0763	EMF.6	6	Ri.AG			Veg.str	Soil.het	FD.BG		FW.BG	H2O.cap	
EMF.6.0764	EMF.6	6				Veg.str	Soil.het				C.stor	H2O.cap
EMF.6.0765	EMF.6	6			Ri.Plant			FD.BG	FW.AG		C.stor	Nut.ret
EMF.6.0766	EMF.6	6	Ri.AG				FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.6.0767	EMF.6	6				Veg.str	Soil.het	FD.AG			H2O.cap	Nut.ret
EMF.6.0768	EMF.6	6		Ri.BG			Soil.het	FD.BG	FW.AG		C.stor	H2O.cap
EMF.6.0769	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor	
EMF.6.0770	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG			C.stor	
EMF.6.0771	EMF.6	6	Ri.AG			Veg.str				FW.BG	C.stor	H2O.cap
EMF.6.0772	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG		H2O.cap	
EMF.6.0773	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			
EMF.6.0774	EMF.6	6	Ri.AG		Ri.Plant				FD.BG		FW.BG	H2O.cap
EMF.6.0775	EMF.6	6	Ri.AG			Veg.str	Soil.het		FD.BG	FW.AG		Nut.ret
EMF.6.0776	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Veg.str				FW.BG	Nut.ret
EMF.6.0777	EMF.6	6			Ri.Plant		Veg.str	FD.AG	FD.BG		C.stor	
EMF.6.0778	EMF.6	6	Ri.AG		Ri.Plant		Veg.str				FW.BG	C.stor
EMF.6.0779	EMF.6	6	Ri.AG	Ri.BG			Veg.str		FD.BG		FW.BG	H2O.cap
EMF.6.0780	EMF.6	6	Ri.AG	Ri.BG			Veg.str	FD.AG		FW.AG		H2O.cap
EMF.6.0781	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FD.BG			Nut.ret
EMF.6.0782	EMF.6	6		Ri.BG			Veg.str	FD.AG			C.stor	H2O.cap
EMF.6.0783	EMF.6	6	Ri.AG	Ri.BG			Veg.str				H2O.cap	Nut.ret
EMF.6.0784	EMF.6	6	Ri.AG		Ri.Plant		Veg.str		FD.BG		FW.BG	C.stor
EMF.6.0785	EMF.6	6				Veg.str	Soil.het	FD.AG			FW.BG	C.stor
EMF.6.0786	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.BG	
EMF.6.0787	EMF.6	6					Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor
EMF.6.0788	EMF.6	6					Soil.het	FD.AG	FD.BG	FW.AG		C.stor
EMF.6.0789	EMF.6	6	Ri.AG		Ri.Plant		Veg.str		FD.AG		FW.BG	
EMF.6.0790	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.AG		Nut.ret
EMF.6.0791	EMF.6	6				Veg.str	Soil.het		FD.BG		FW.BG	H2O.cap
EMF.6.0792	EMF.6	6	Ri.AG		Ri.Plant		Veg.str		FD.AG	FD.BG		
EMF.6.0793	EMF.6	6			Ri.Plant		Veg.str		FD.AG		FW.AG	Nut.ret
EMF.6.0794	EMF.6	6		Ri.BG			Veg.str	Soil.het	FD.AG			Nut.ret
EMF.6.0795	EMF.6	6	Ri.AG	Ri.BG			Veg.str				C.stor	H2O.cap
EMF.6.0796	EMF.6	6		Ri.BG	Ri.Plant				FD.AG		FW.AG	FW.BG
EMF.6.0797	EMF.6	6	Ri.AG		Ri.Plant		Veg.str				FW.AG	FW.BG
EMF.6.0798	EMF.6	6	Ri.AG			Veg.str	Soil.het	FD.AG			FW.AG	C.stor
EMF.6.0799	EMF.6	6	Ri.AG	Ri.BG			Veg.str	Soil.het			FW.AG	C.stor
EMF.6.0800	EMF.6	6	Ri.AG				Veg.str			FD.BG		FW.BG
EMF.6.0801	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		Veg.str		FD.BG			C.stor
EMF.6.0802	EMF.6	6	Ri.AG							FW.AG	FW.BG	C.stor
EMF.6.0803	EMF.6	6			Ri.Plant			Soil.het	FD.AG		FW.BG	C.stor
EMF.6.0804	EMF.6	6		Ri.BG						FW.AG	FW.BG	H2O.cap
EMF.6.0805	EMF.6	6	Ri.AG	Ri.BG						FW.AG	FW.BG	Nut.ret
EMF.6.0806	EMF.6	6	Ri.AG	Ri.BG			Veg.str	Soil.het			FW.AG	
EMF.6.0807	EMF.6	6			Ri.Plant		Veg.str		FD.AG		FW.BG	H2O.cap
EMF.6.0808	EMF.6	6	Ri.AG				Veg.str		FD.AG		FW.BG	C.stor
EMF.6.0809	EMF.6	6		Ri.BG					FD.AG		FW.AG	H2O.cap
EMF.6.0810	EMF.6	6		Ri.BG			Veg.str	Soil.het			C.stor	H2O.cap
EMF.6.0811	EMF.6	6		Ri.BG				Soil.het			FW.AG	C.stor
EMF.6.0812	EMF.6	6			Ri.Plant		Veg.str				FW.AG	C.stor
EMF.6.0813	EMF.6	6	Ri.AG	Ri.BG							FW.AG	FW.BG
EMF.6.0814	EMF.6	6	Ri.AG	Ri.BG			Veg.str			FD.BG		C.stor
EMF.6.0815	EMF.6	6	Ri.AG		Ri.Plant				FD.AG		FW.AG	FW.BG
EMF.6.0816	EMF.6	6	Ri.AG	Ri.BG			Veg.str	Soil.het				C.stor
EMF.6.0817	EMF.6	6					Veg.str	Soil.het			FW.AG	FW.BG
EMF.6.0818	EMF.6	6		Ri.BG	Ri.Plant			Soil.het	FD.AG			Nut.ret

EMF.6.0819	EMF.6	6		Ri.Plant		Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret	
EMF.6.0820	EMF.6	6	Ri.AG	Ri.Plant	Veg.str		FD.AG			FW.BG	C.stor			
EMF.6.0821	EMF.6	6		Ri.Plant	Veg.str	Soil.het				FW.BG		H2O.cap		
EMF.6.0822	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	C.stor			
EMF.6.0823	EMF.6	6			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		C.stor			
EMF.6.0824	EMF.6	6	Ri.AG	Ri.Plant							C.stor	H2O.cap	Nut.ret	
EMF.6.0825	EMF.6	6	Ri.AG				FD.AG		FW.AG		C.stor		Nut.ret	
EMF.6.0826	EMF.6	6			Veg.str	Soil.het				FW.BG	C.stor	H2O.cap		
EMF.6.0827	EMF.6	6				Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap		
EMF.6.0828	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant							H2O.cap	Nut.ret	
EMF.6.0829	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	FD.AG					H2O.cap		
EMF.6.0830	EMF.6	6			Ri.Plant	Veg.str	FD.AG			FW.BG		H2O.cap	Nut.ret	
EMF.6.0831	EMF.6	6	Ri.AG		Ri.Plant					FW.BG		H2O.cap	Nut.ret	
EMF.6.0832	EMF.6	6				Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.6.0833	EMF.6	6	Ri.AG						FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.6.0834	EMF.6	6			Ri.Plant	Veg.str				FW.AG	FW.BG		Nut.ret	
EMF.6.0835	EMF.6	6			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	C.stor			
EMF.6.0836	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant						C.stor	H2O.cap		
EMF.6.0837	EMF.6	6					FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap		
EMF.6.0838	EMF.6	6	Ri.AG		Ri.Plant					FW.BG	C.stor	H2O.cap		
EMF.6.0839	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str					C.stor		Nut.ret	
EMF.6.0840	EMF.6	6		Ri.BG	Ri.Plant	Veg.str				FW.AG			Nut.ret	
EMF.6.0841	EMF.6	6	Ri.AG		Ri.Plant	Veg.str	FD.AG		FW.AG					
EMF.6.0842	EMF.6	6		Ri.BG	Veg.str	Soil.het					C.stor		Nut.ret	
EMF.6.0843	EMF.6	6			Veg.str	Soil.het			FW.AG	FW.BG	C.stor		Nut.ret	
EMF.6.0844	EMF.6	6			Ri.Plant			FD.BG	FW.AG	FW.BG			Nut.ret	
EMF.6.0845	EMF.6	6	Ri.AG	Ri.BG					FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.6.0846	EMF.6	6			Ri.Plant	Veg.str					C.stor	H2O.cap	Nut.ret	
EMF.6.0847	EMF.6	6	Ri.AG				FD.AG		FW.AG	FW.BG	C.stor	H2O.cap		
EMF.6.0848	EMF.6	6	Ri.AG		Ri.Plant			FD.BG	FW.AG	FW.BG				
EMF.6.0849	EMF.6	6	Ri.AG		Veg.str	Soil.het				FW.BG		H2O.cap	Nut.ret	
EMF.6.0850	EMF.6	6			Veg.str		FD.AG			FW.BG		H2O.cap	Nut.ret	
EMF.6.0851	EMF.6	6			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	C.stor			
EMF.6.0852	EMF.6	6	Ri.AG	Ri.BG			FD.AG		FW.AG		C.stor	H2O.cap		
EMF.6.0853	EMF.6	6	Ri.AG		Ri.Plant			FD.BG		FW.BG			Nut.ret	
EMF.6.0854	EMF.6	6		Ri.BG				FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret	
EMF.6.0855	EMF.6	6	Ri.AG		Ri.Plant			FD.BG			C.stor		Nut.ret	
EMF.6.0856	EMF.6	6	Ri.AG			Veg.str	Soil.het	FD.AG		FW.AG				
EMF.6.0857	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.AG			Nut.ret	
EMF.6.0858	EMF.6	6		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG		C.stor		
EMF.6.0859	EMF.6	6	Ri.AG			Veg.str	Soil.het	FD.AG		FW.BG				
EMF.6.0860	EMF.6	6						FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret	
EMF.6.0861	EMF.6	6		Ri.BG			Soil.het	FD.AG		FW.AG		H2O.cap		
EMF.6.0862	EMF.6	6				Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	Nut.ret	
EMF.6.0863	EMF.6	6		Ri.BG		Veg.str	Soil.het			FW.AG		H2O.cap	Nut.ret	
EMF.6.0864	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		
EMF.6.0865	EMF.6	6				Veg.str		FD.AG	FD.BG	FW.AG		C.stor		
EMF.6.0866	EMF.6	6	Ri.AG		Ri.Plant	Veg.str			FD.BG		FW.BG			
EMF.6.0867	EMF.6	6						FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.0868	EMF.6	6							FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.0869	EMF.6	6			Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.6.0870	EMF.6	6				Veg.str		FD.AG	FD.BG		FW.BG	C.stor		
EMF.6.0871	EMF.6	6	Ri.AG				Soil.het		FD.BG	FW.AG		C.stor		Nut.ret
EMF.6.0872	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG				C.stor		Nut.ret
EMF.6.0873	EMF.6	6			Ri.Plant			FD.AG	FD.BG			C.stor	H2O.cap	Nut.ret
EMF.6.0874	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.AG				
EMF.6.0875	EMF.6	6		Ri.BG			Soil.het			FW.AG	FW.BG		H2O.cap	
EMF.6.0876	EMF.6	6			Ri.Plant	Veg.str		FD.AG			FW.BG			Nut.ret
EMF.6.0877	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het					C.stor		Nut.ret
EMF.6.0878	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG				
EMF.6.0879	EMF.6	6	Ri.AG	Ri.BG						FW.AG		C.stor		Nut.ret
EMF.6.0880	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant						FW.BG		H2O.cap	
EMF.6.0881	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG					



EMF.6.0882	EMF.6	6	Ri.AG		Veg.str		FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.6.0883	EMF.6	6	Ri.AG			Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.0884	EMF.6	6			Veg.str	Soil.het				FW.BG	C.stor		Nut.ret
EMF.6.0885	EMF.6	6		Ri.Plant	Veg.str		FD.BG	FW.AG			C.stor		
EMF.6.0886	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap	
EMF.6.0887	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG					H2O.cap	Nut.ret
EMF.6.0888	EMF.6	6	Ri.AG				FD.AG		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.0889	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.BG	FW.AG				
EMF.6.0890	EMF.6	6			Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap	
EMF.6.0891	EMF.6	6		Ri.BG	Ri.Plant	Veg.str					C.stor	H2O.cap	
EMF.6.0892	EMF.6	6	Ri.AG		Veg.str		FD.AG			FW.BG	C.stor		
EMF.6.0893	EMF.6	6			Ri.Plant	Veg.str		FD.AG			C.stor		Nut.ret
EMF.6.0894	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.BG		FW.BG		H2O.cap	
EMF.6.0895	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG				H2O.cap	
EMF.6.0896	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FD.BG				
EMF.6.0897	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG			
EMF.6.0898	EMF.6	6		Ri.BG	Veg.str	Soil.het	FD.AG				C.stor		
EMF.6.0899	EMF.6	6	Ri.AG		Veg.str	Soil.het		FD.BG		FW.BG			
EMF.6.0900	EMF.6	6		Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG			C.stor		
EMF.6.0901	EMF.6	6	Ri.AG		Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor		
EMF.6.0902	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG				H2O.cap	Nut.ret
EMF.6.0903	EMF.6	6			Veg.str	Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.6.0904	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het				FW.BG			Nut.ret
EMF.6.0905	EMF.6	6		Ri.BG	Ri.Plant	Soil.het		FD.BG					Nut.ret
EMF.6.0906	EMF.6	6			Ri.BG			FD.BG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.6.0907	EMF.6	6	Ri.AG		Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor		
EMF.6.0908	EMF.6	6		Ri.BG	Veg.str		FD.AG	FD.BG			C.stor		
EMF.6.0909	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG			C.stor		
EMF.6.0910	EMF.6	6		Ri.BG			FD.AG	FD.BG	FW.AG		C.stor	H2O.cap	
EMF.6.0911	EMF.6	6			Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.0912	EMF.6	6		Ri.BG	Ri.Plant			FD.AG	FD.BG		C.stor	H2O.cap	
EMF.6.0913	EMF.6	6				Soil.het	FD.AG		FW.AG		C.stor		Nut.ret
EMF.6.0914	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.AG				C.stor	H2O.cap	
EMF.6.0915	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	C.stor		
EMF.6.0916	EMF.6	6	Ri.AG	Ri.BG	Veg.str					FW.BG		H2O.cap	
EMF.6.0917	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor		
EMF.6.0918	EMF.6	6		Ri.BG	Veg.str	Soil.het						H2O.cap	Nut.ret
EMF.6.0919	EMF.6	6		Ri.BG	Ri.Plant	Veg.str						H2O.cap	Nut.ret
EMF.6.0920	EMF.6	6		Ri.BG	Veg.str	Soil.het			FW.AG		C.stor		Nut.ret
EMF.6.0921	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG					
EMF.6.0922	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FD.BG				Nut.ret
EMF.6.0923	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FW.AG	FW.BG	C.stor		
EMF.6.0924	EMF.6	6			Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.0925	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG		C.stor	
EMF.6.0926	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG			
EMF.6.0927	EMF.6	6			Veg.str	Soil.het	FD.AG			FW.BG	C.stor	H2O.cap	
EMF.6.0928	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG			C.stor		Nut.ret
EMF.6.0929	EMF.6	6	Ri.AG		Veg.str				FW.AG	FW.BG	C.stor		
EMF.6.0930	EMF.6	6				Soil.het			FW.AG	FW.BG	C.stor		Nut.ret
EMF.6.0931	EMF.6	6			Veg.str		FD.AG		FW.AG		C.stor		Nut.ret
EMF.6.0932	EMF.6	6			Ri.Plant	Veg.str				FW.BG		H2O.cap	Nut.ret
EMF.6.0933	EMF.6	6	Ri.AG		Veg.str		FD.AG		FW.AG		C.stor		
EMF.6.0934	EMF.6	6			Veg.str		FD.AG		FW.AG	FW.BG			Nut.ret
EMF.6.0935	EMF.6	6			Ri.Plant			FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.6.0936	EMF.6	6	Ri.AG		Veg.str		FD.AG				C.stor	H2O.cap	Nut.ret
EMF.6.0937	EMF.6	6	Ri.AG		Veg.str					FW.BG	C.stor		Nut.ret
EMF.6.0938	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor		
EMF.6.0939	EMF.6	6	Ri.AG	Ri.BG	Veg.str					FW.BG			Nut.ret
EMF.6.0940	EMF.6	6	Ri.AG		Ri.Plant	Veg.str				FW.BG	C.stor		
EMF.6.0941	EMF.6	6			Ri.Plant		Soil.het	FD.AG				H2O.cap	Nut.ret
EMF.6.0942	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	
EMF.6.0943	EMF.6	6		Ri.BG	Veg.str			FD.AG				H2O.cap	Nut.ret
EMF.6.0944	EMF.6	6			Veg.str	Soil.het	FD.AG				C.stor	H2O.cap	Nut.ret

EMF.6.0945	EMF.6	6	Ri.AG		Veg.str		FD.AG	FD.BG	FW.BG	C.stor	
EMF.6.0946	EMF.6	6	Ri.BG	Ri.Plant		Soil.het		FD.BG		C.stor	H2O.cap
EMF.6.0947	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG			
EMF.6.0948	EMF.6	6	Ri.BG		Veg.str	Soil.het			FW.BG		Nut.ret
EMF.6.0949	EMF.6	6	Ri.AG		Ri.Plant		FD.AG	FD.BG	FW.BG		
EMF.6.0950	EMF.6	6	Ri.AG			Soil.het	FD.AG		FW.AG		H2O.cap Nut.ret
EMF.6.0951	EMF.6	6				Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap
EMF.6.0952	EMF.6	6	Ri.AG			Veg.str	FD.AG		FW.AG	FW.BG	Nut.ret
EMF.6.0953	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			Nut.ret
EMF.6.0954	EMF.6	6	Ri.BG				FD.AG		FW.AG	FW.BG	H2O.cap
EMF.6.0955	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str				C.stor	
EMF.6.0956	EMF.6	6	Ri.BG	Ri.Plant		Veg.str		FD.AG			Nut.ret
EMF.6.0957	EMF.6	6	Ri.BG	Ri.Plant		Soil.het				C.stor	H2O.cap
EMF.6.0958	EMF.6	6	Ri.AG		Ri.Plant				FW.BG	C.stor	H2O.cap Nut.ret
EMF.6.0959	EMF.6	6			Ri.Plant		Soil.het		FD.BG	C.stor	H2O.cap
EMF.6.0960	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG	H2O.cap
EMF.6.0961	EMF.6	6	Ri.AG			Soil.het			FW.AG	FW.BG	C.stor Nut.ret
EMF.6.0962	EMF.6	6	Ri.AG				FD.AG	FD.BG		C.stor	H2O.cap
EMF.6.0963	EMF.6	6	Ri.BG		Veg.str			FD.BG	FW.AG	C.stor	
EMF.6.0964	EMF.6	6			Veg.str				FW.AG	FW.BG	C.stor Nut.ret
EMF.6.0965	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FW.AG	C.stor	
EMF.6.0966	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant					C.stor	H2O.cap Nut.ret
EMF.6.0967	EMF.6	6	Ri.AG			Veg.str		FD.BG	FW.AG	FW.BG	
EMF.6.0968	EMF.6	6			Veg.str	Soil.het				FW.BG	H2O.cap Nut.ret
EMF.6.0969	EMF.6	6			Veg.str			FD.BG	FW.AG	FW.BG	C.stor
EMF.6.0970	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor	
EMF.6.0971	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.BG	C.stor	H2O.cap
EMF.6.0972	EMF.6	6	Ri.BG		Veg.str				FW.AG	FW.BG	H2O.cap Nut.ret
EMF.6.0973	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		FD.AG		FW.AG	C.stor	
EMF.6.0974	EMF.6	6	Ri.AG	Ri.BG		Soil.het			FW.AG	FW.BG	
EMF.6.0975	EMF.6	6	Ri.BG					FD.BG	FW.AG	C.stor	Nut.ret
EMF.6.0976	EMF.6	6			Veg.str		FD.AG		FW.AG	FW.BG	H2O.cap Nut.ret
EMF.6.0977	EMF.6	6	Ri.BG			Soil.het			FW.AG	FW.BG	Nut.ret
EMF.6.0978	EMF.6	6	Ri.AG	Ri.BG		Soil.het			FW.AG		H2O.cap Nut.ret
EMF.6.0979	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor
EMF.6.0980	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.BG		FW.BG	Nut.ret
EMF.6.0981	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het				H2O.cap Nut.ret
EMF.6.0982	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant					FW.BG	H2O.cap Nut.ret
EMF.6.0983	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	
EMF.6.0984	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.BG	
EMF.6.0985	EMF.6	6	Ri.AG			Veg.str		FD.AG	FD.BG	FW.BG	
EMF.6.0986	EMF.6	6	Ri.AG			Veg.str			FW.AG	FW.BG	C.stor Nut.ret
EMF.6.0987	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.BG		C.stor	Nut.ret
EMF.6.0988	EMF.6	6			Ri.Plant		Soil.het	FD.AG		FW.BG	Nut.ret
EMF.6.0989	EMF.6	6	Ri.BG		Veg.str				FW.AG	C.stor	Nut.ret
EMF.6.0990	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.BG	
EMF.6.0991	EMF.6	6	Ri.BG		Veg.str			FD.AG	FW.AG		Nut.ret
EMF.6.0992	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG			Nut.ret
EMF.6.0993	EMF.6	6	Ri.AG		Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG
EMF.6.0994	EMF.6	6	Ri.BG			Veg.str				FW.AG	FW.BG Nut.ret
EMF.6.0995	EMF.6	6			Ri.Plant			FD.AG		FW.BG	C.stor H2O.cap
EMF.6.0996	EMF.6	6	Ri.BG					FD.AG	FD.BG	FW.AG	Nut.ret
EMF.6.0997	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.AG	C.stor Nut.ret
EMF.6.0998	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.AG		
EMF.6.0999	EMF.6	6				Soil.het		FD.BG	FW.AG	FW.BG	Nut.ret
EMF.6.1000	EMF.6	6	Ri.AG	Ri.BG		Veg.str				C.stor	Nut.ret
EMF.6.1001	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG C.stor
EMF.6.1002	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FW.AG	FW.BG	Nut.ret
EMF.6.1003	EMF.6	6	Ri.BG	Ri.Plant	Veg.str					C.stor	H2O.cap Nut.ret
EMF.6.1004	EMF.6	6				Soil.het	FD.AG	FD.BG	FW.AG		Nut.ret
EMF.6.1005	EMF.6	6	Ri.BG	Ri.Plant		Soil.het		FD.BG		C.stor	Nut.ret
EMF.6.1006	EMF.6	6			Ri.Plant			FD.AG	FW.AG	C.stor	Nut.ret
EMF.6.1007	EMF.6	6	Ri.AG		Ri.Plant			FD.BG		FW.BG	C.stor Nut.ret

EMF.6.1008	EMF.6	6		Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.1009	EMF.6	6	Ri.BG		Veg.str	Soil.het	FD.AG			C.stor	H2O.cap	
EMF.6.1010	EMF.6	6	Ri.BG			Soil.het	FD.AG	FW.AG				Nut.ret
EMF.6.1011	EMF.6	6	Ri.BG	Ri.Plant		Soil.het				C.stor		Nut.ret
EMF.6.1012	EMF.6	6	Ri.BG		Veg.str		FD.AG	FW.AG			H2O.cap	Nut.ret
EMF.6.1013	EMF.6	6		Ri.Plant			FD.AG			C.stor	H2O.cap	Nut.ret
EMF.6.1014	EMF.6	6	Ri.AG			Soil.het	FD.AG		FW.BG	C.stor		
EMF.6.1015	EMF.6	6			Veg.str		FD.AG		FW.BG	C.stor		Nut.ret
EMF.6.1016	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG			C.stor		
EMF.6.1017	EMF.6	6			Veg.str	Soil.het	FD.AG		FW.BG	C.stor		Nut.ret
EMF.6.1018	EMF.6	6	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.6.1019	EMF.6	6	Ri.AG	Ri.BG	Veg.str			FD.BG	FW.AG			
EMF.6.1020	EMF.6	6	Ri.AG			Soil.het	FD.AG			C.stor	H2O.cap	
EMF.6.1021	EMF.6	6	Ri.BG	Ri.Plant			FD.AG			C.stor	H2O.cap	
EMF.6.1022	EMF.6	6	Ri.BG	Ri.Plant				FD.BG	FW.AG	C.stor		Nut.ret
EMF.6.1023	EMF.6	6	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG	C.stor		
EMF.6.1024	EMF.6	6	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG	C.stor	
EMF.6.1025	EMF.6	6	Ri.BG					FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.1026	EMF.6	6	Ri.AG				FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.1027	EMF.6	6	Ri.AG		Veg.str			FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1028	EMF.6	6	Ri.AG			Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.1029	EMF.6	6	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG			
EMF.6.1030	EMF.6	6	Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap	
EMF.6.1031	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG					
EMF.6.1032	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.AG				H2O.cap	
EMF.6.1033	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG		H2O.cap	
EMF.6.1034	EMF.6	6	Ri.BG			Soil.het		FD.BG	FW.AG	C.stor		
EMF.6.1035	EMF.6	6	Ri.AG			Soil.het	FD.AG			FW.BG		Nut.ret
EMF.6.1036	EMF.6	6	Ri.BG	Ri.Plant			FD.AG	FD.BG				Nut.ret
EMF.6.1037	EMF.6	6	Ri.BG	Ri.Plant	Veg.str			FD.BG		C.stor		
EMF.6.1038	EMF.6	6		Ri.Plant		Soil.het	FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.6.1039	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.BG		
EMF.6.1040	EMF.6	6					FD.AG	FD.BG	FW.AG	C.stor		Nut.ret
EMF.6.1041	EMF.6	6		Ri.Plant		Soil.het		FD.BG		C.stor	H2O.cap	Nut.ret
EMF.6.1042	EMF.6	6	Ri.AG	Ri.BG					FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.6.1043	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant					FW.BG		Nut.ret
EMF.6.1044	EMF.6	6	Ri.AG				FD.AG		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.6.1045	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		FD.AG			FW.BG	C.stor	
EMF.6.1046	EMF.6	6	Ri.AG	Ri.BG		Veg.str	FD.AG	FD.BG		C.stor		
EMF.6.1047	EMF.6	6	Ri.BG	Ri.Plant			FD.AG		FW.AG			Nut.ret
EMF.6.1048	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG				
EMF.6.1049	EMF.6	6	Ri.AG				FD.AG	FD.BG	FW.AG	C.stor		
EMF.6.1050	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	C.stor		
EMF.6.1051	EMF.6	6	Ri.AG	Ri.BG				FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.6.1052	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.BG	C.stor	
EMF.6.1053	EMF.6	6		Ri.Plant	Veg.str			FD.BG		FW.BG	C.stor	
EMF.6.1054	EMF.6	6	Ri.AG		Veg.str		FD.AG			FW.BG	C.stor	Nut.ret
EMF.6.1055	EMF.6	6	Ri.AG			Soil.het		FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.1056	EMF.6	6		Ri.Plant			FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1057	EMF.6	6	Ri.BG	Ri.Plant	Veg.str					FW.BG	H2O.cap	
EMF.6.1058	EMF.6	6		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG	C.stor	
EMF.6.1059	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG			
EMF.6.1060	EMF.6	6		Ri.Plant	Veg.str	Soil.het		FD.BG	FW.AG			
EMF.6.1061	EMF.6	6	Ri.AG			Soil.het	FD.AG		FW.AG	FW.BG		
EMF.6.1062	EMF.6	6	Ri.AG	Ri.Plant					FW.BG	C.stor		Nut.ret
EMF.6.1063	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG	C.stor	
EMF.6.1064	EMF.6	6	Ri.AG			Soil.het		FD.BG	FW.AG	FW.BG		
EMF.6.1065	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.BG	FW.AG	C.stor		
EMF.6.1066	EMF.6	6		Ri.Plant		Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.1067	EMF.6	6	Ri.AG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG			
EMF.6.1068	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant		FD.AG	FD.BG				
EMF.6.1069	EMF.6	6		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	C.stor		
EMF.6.1070	EMF.6	6		Ri.Plant			FD.AG	FD.BG		C.stor		Nut.ret

EMF.6.1071	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG				
EMF.6.1072	EMF.6	6			Ri.Plant		Soil.het	FD.BG			C.stor	Nut.ret	
EMF.6.1073	EMF.6	6	Ri.AG				Soil.het	FD.AG			C.stor	Nut.ret	
EMF.6.1074	EMF.6	6			Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.6.1075	EMF.6	6		Ri.BG	Ri.Plant				FW.AG		C.stor	Nut.ret	
EMF.6.1076	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.BG			C.stor		
EMF.6.1077	EMF.6	6	Ri.AG	Ri.BG			Soil.het	FD.BG	FW.AG			H2O.cap	
EMF.6.1078	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG			C.stor		
EMF.6.1079	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant						C.stor	Nut.ret	
EMF.6.1080	EMF.6	6			Ri.Plant		Soil.het				C.stor	H2O.cap	Nut.ret
EMF.6.1081	EMF.6	6	Ri.AG					FD.BG	FW.AG	FW.BG	C.stor		
EMF.6.1082	EMF.6	6	Ri.AG					FD.AG	FD.BG	FW.BG		Nut.ret	
EMF.6.1083	EMF.6	6		Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG		Nut.ret	
EMF.6.1084	EMF.6	6		Ri.BG	Ri.Plant		Soil.het					H2O.cap	Nut.ret
EMF.6.1085	EMF.6	6	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		
EMF.6.1086	EMF.6	6			Ri.Plant		Soil.het			FW.BG	C.stor	H2O.cap	
EMF.6.1087	EMF.6	6			Ri.Plant	Veg.str		FD.AG		FW.AG	C.stor	Nut.ret	
EMF.6.1088	EMF.6	6			Ri.Plant				FW.AG	FW.BG	C.stor	Nut.ret	
EMF.6.1089	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor		
EMF.6.1090	EMF.6	6		Ri.BG	Ri.Plant			FD.AG	FD.BG			H2O.cap	
EMF.6.1091	EMF.6	6		Ri.BG		Veg.str		FD.AG	FD.BG	FW.BG		H2O.cap	
EMF.6.1092	EMF.6	6	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG			
EMF.6.1093	EMF.6	6		Ri.BG	Ri.Plant				FW.AG	FW.BG		Nut.ret	
EMF.6.1094	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.BG				H2O.cap	Nut.ret
EMF.6.1095	EMF.6	6			Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG			
EMF.6.1096	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.6.1097	EMF.6	6	Ri.AG	Ri.BG			Soil.het	FD.BG	FW.AG			Nut.ret	
EMF.6.1098	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FW.AG		C.stor	Nut.ret	
EMF.6.1099	EMF.6	6		Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG		Nut.ret	
EMF.6.1100	EMF.6	6	Ri.AG	Ri.BG				FD.BG	FW.AG		C.stor		
EMF.6.1101	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG	FD.BG				
EMF.6.1102	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG			
EMF.6.1103	EMF.6	6				Veg.str	Soil.het	FD.AG		FW.BG		H2O.cap	
EMF.6.1104	EMF.6	6			Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1105	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG			
EMF.6.1106	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG		H2O.cap	
EMF.6.1107	EMF.6	6	Ri.AG			Veg.str	Soil.het	FD.AG		FW.BG		H2O.cap	
EMF.6.1108	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.6.1109	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor		
EMF.6.1110	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.BG		Nut.ret	
EMF.6.1111	EMF.6	6	Ri.AG			Veg.str		FD.AG		FW.AG	FW.BG		
EMF.6.1112	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.AG		H2O.cap	Nut.ret
EMF.6.1113	EMF.6	6	Ri.AG	Ri.BG			Soil.het			FW.AG	C.stor	Nut.ret	
EMF.6.1114	EMF.6	6						FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.6.1115	EMF.6	6	Ri.AG				Soil.het	FD.AG	FD.BG			Nut.ret	
EMF.6.1116	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG				H2O.cap	Nut.ret
EMF.6.1117	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG				
EMF.6.1118	EMF.6	6					Soil.het	FD.AG	FD.BG	FW.AG	C.stor		
EMF.6.1119	EMF.6	6			Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor	Nut.ret	
EMF.6.1120	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG			
EMF.6.1121	EMF.6	6	Ri.AG				Soil.het	FD.AG		FW.AG	C.stor	Nut.ret	
EMF.6.1122	EMF.6	6		Ri.BG	Ri.Plant	Veg.str				FW.BG		H2O.cap	Nut.ret
EMF.6.1123	EMF.6	6	Ri.AG	Ri.BG				FD.AG	FD.BG			Nut.ret	
EMF.6.1124	EMF.6	6		Ri.BG	Ri.Plant			FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.6.1125	EMF.6	6	Ri.AG				Soil.het	FD.AG	FD.BG		C.stor		
EMF.6.1126	EMF.6	6	Ri.AG					FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.6.1127	EMF.6	6		Ri.BG		Veg.str		FD.AG		FW.BG		Nut.ret	
EMF.6.1128	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG				H2O.cap	Nut.ret
EMF.6.1129	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG				H2O.cap	
EMF.6.1130	EMF.6	6				Veg.str	Soil.het	FD.AG	FD.BG	FW.BG		H2O.cap	
EMF.6.1131	EMF.6	6	Ri.AG				Soil.het	FD.AG		FW.AG	FW.BG	H2O.cap	
EMF.6.1132	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.AG			
EMF.6.1133	EMF.6	6		Ri.BG	Ri.Plant		Soil.het				C.stor	H2O.cap	Nut.ret

EMF.6.1134	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG			
EMF.6.1135	EMF.6	6	Ri.AG			Veg.str				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.1136	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.BG		FW.BG			
EMF.6.1137	EMF.6	6	Ri.AG			Veg.str		FD.AG	FW.AG		C.stor		Nut.ret
EMF.6.1138	EMF.6	6		Ri.BG		Veg.str	Soil.het		FD.BG	FW.BG		H2O.cap	
EMF.6.1139	EMF.6	6					Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.1140	EMF.6	6					Soil.het	FD.AG	FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.1141	EMF.6	6		Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor		Nut.ret
EMF.6.1142	EMF.6	6	Ri.AG					FD.AG	FW.AG	FW.BG	C.stor		
EMF.6.1143	EMF.6	6		Ri.BG			Soil.het		FW.AG		C.stor	H2O.cap	Nut.ret
EMF.6.1144	EMF.6	6		Ri.BG		Veg.str	Soil.het			FW.BG	C.stor		
EMF.6.1145	EMF.6	6	Ri.AG					FD.AG	FD.BG		C.stor		Nut.ret
EMF.6.1146	EMF.6	6					Soil.het	FD.AG	FW.AG	FW.BG	C.stor	H2O.cap	
EMF.6.1147	EMF.6	6			Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor		Nut.ret
EMF.6.1148	EMF.6	6		Ri.BG			Soil.het		FW.AG	FW.BG	C.stor	H2O.cap	
EMF.6.1149	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FW.AG	FW.BG			
EMF.6.1150	EMF.6	6		Ri.BG			Soil.het	FD.AG	FW.AG		C.stor	H2O.cap	
EMF.6.1151	EMF.6	6					Soil.het		FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1152	EMF.6	6		Ri.BG	Ri.Plant		Soil.het			FW.BG			Nut.ret
EMF.6.1153	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.1154	EMF.6	6		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.AG		C.stor	
EMF.6.1155	EMF.6	6			Ri.Plant	Veg.str			FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1156	EMF.6	6				Veg.str				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.1157	EMF.6	6		Ri.BG	Ri.Plant		Soil.het			FW.BG	C.stor	H2O.cap	
EMF.6.1158	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FD.BG			H2O.cap	
EMF.6.1159	EMF.6	6	Ri.AG	Ri.BG		Veg.str				FW.BG	C.stor	H2O.cap	
EMF.6.1160	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.AG			
EMF.6.1161	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FD.BG		C.stor		
EMF.6.1162	EMF.6	6		Ri.BG		Veg.str					C.stor	H2O.cap	Nut.ret
EMF.6.1163	EMF.6	6	Ri.AG		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		
EMF.6.1164	EMF.6	6	Ri.AG		Ri.Plant				FD.BG		FW.BG	C.stor	
EMF.6.1165	EMF.6	6		Ri.BG		Veg.str			FD.BG		FW.BG	C.stor	
EMF.6.1166	EMF.6	6	Ri.AG	Ri.BG		Veg.str					C.stor	H2O.cap	Nut.ret
EMF.6.1167	EMF.6	6	Ri.AG	Ri.BG		Veg.str				FW.AG	FW.BG		
EMF.6.1168	EMF.6	6	Ri.AG	Ri.BG			Soil.het		FW.AG	FW.BG		H2O.cap	
EMF.6.1169	EMF.6	6	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG			
EMF.6.1170	EMF.6	6		Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG			Nut.ret
EMF.6.1171	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				
EMF.6.1172	EMF.6	6	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG		H2O.cap	
EMF.6.1173	EMF.6	6		Ri.BG		Veg.str		FD.AG			C.stor		Nut.ret
EMF.6.1174	EMF.6	6				Veg.str	Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.1175	EMF.6	6		Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG			Nut.ret
EMF.6.1176	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG					
EMF.6.1177	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FD.BG		FW.BG	C.stor	
EMF.6.1178	EMF.6	6			Ri.Plant		Soil.het	FD.AG		FW.BG		H2O.cap	
EMF.6.1179	EMF.6	6		Ri.BG			Soil.het	FD.AG		FW.AG		C.stor	
EMF.6.1180	EMF.6	6				Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.6.1181	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG			Nut.ret
EMF.6.1182	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG			Nut.ret
EMF.6.1183	EMF.6	6	Ri.AG	Ri.BG		Veg.str				FW.BG		H2O.cap	Nut.ret
EMF.6.1184	EMF.6	6			Ri.Plant		Soil.het		FD.BG			H2O.cap	Nut.ret
EMF.6.1185	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret
EMF.6.1186	EMF.6	6					Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1187	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG		
EMF.6.1188	EMF.6	6		Ri.BG			Soil.het			FW.AG	FW.BG	C.stor	
EMF.6.1189	EMF.6	6	Ri.AG					FD.AG			FW.BG	C.stor	H2O.cap
EMF.6.1190	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG		Nut.ret
EMF.6.1191	EMF.6	6	Ri.AG				Soil.het	FD.AG	FD.BG	FW.AG			Nut.ret
EMF.6.1192	EMF.6	6				Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1193	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG		H2O.cap	
EMF.6.1194	EMF.6	6						FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.1195	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG		
EMF.6.1196	EMF.6	6		Ri.BG		Veg.str		FD.AG			FW.BG		H2O.cap

EMF.6.1197	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG					Nut.ret		
EMF.6.1198	EMF.6	6			Ri.Plant	Soil.het	FD.AG		FW.BG		H2O.cap	Nut.ret		
EMF.6.1199	EMF.6	6		Ri.BG	Ri.Plant		FD.AG				H2O.cap	Nut.ret		
EMF.6.1200	EMF.6	6		Ri.BG	Ri.Plant	Soil.het			FW.BG	C.stor				
EMF.6.1201	EMF.6	6		Ri.BG		Veg.str	Soil.het				C.stor	H2O.cap	Nut.ret	
EMF.6.1202	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG				
EMF.6.1203	EMF.6	6			Ri.Plant		Soil.het			FW.BG	C.stor		Nut.ret	
EMF.6.1204	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.BG			Nut.ret	
EMF.6.1205	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.BG			Nut.ret	
EMF.6.1206	EMF.6	6			Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor		
EMF.6.1207	EMF.6	6			Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG				
EMF.6.1208	EMF.6	6		Ri.BG		Veg.str				FW.BG	C.stor	H2O.cap		
EMF.6.1209	EMF.6	6				Soil.het	FD.AG		FW.AG	FW.BG	C.stor			
EMF.6.1210	EMF.6	6		Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG		H2O.cap		
EMF.6.1211	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG			C.stor		Nut.ret	
EMF.6.1212	EMF.6	6			Ri.Plant		Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret	
EMF.6.1213	EMF.6	6	Ri.AG	Ri.BG			Soil.het		FW.AG	FW.BG			Nut.ret	
EMF.6.1214	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	Soil.het			FW.BG				
EMF.6.1215	EMF.6	6			Ri.Plant			FD.AG		FW.BG		H2O.cap	Nut.ret	
EMF.6.1216	EMF.6	6			Ri.Plant		Soil.het		FD.BG	FW.BG	C.stor		Nut.ret	
EMF.6.1217	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.BG		H2O.cap		
EMF.6.1218	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.BG		H2O.cap	Nut.ret	
EMF.6.1219	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.6.1220	EMF.6	6		Ri.BG	Ri.Plant				FD.BG			H2O.cap	Nut.ret	
EMF.6.1221	EMF.6	6		Ri.BG		Veg.str				FW.BG		H2O.cap	Nut.ret	
EMF.6.1222	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG				C.stor			
EMF.6.1223	EMF.6	6		Ri.BG		Soil.het		FD.BG	FW.AG			H2O.cap	Nut.ret	
EMF.6.1224	EMF.6	6			Ri.Plant			FD.AG	FD.BG	FW.AG		C.stor		
EMF.6.1225	EMF.6	6			Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG			
EMF.6.1226	EMF.6	6	Ri.AG	Ri.BG					FW.AG	FW.BG	C.stor			
EMF.6.1227	EMF.6	6			Ri.Plant	Veg.str				FW.BG	C.stor		Nut.ret	
EMF.6.1228	EMF.6	6	Ri.AG			Soil.het	FD.AG		FW.AG	FW.BG			Nut.ret	
EMF.6.1229	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het			FW.BG		H2O.cap		
EMF.6.1230	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.BG		H2O.cap		
EMF.6.1231	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG			C.stor		Nut.ret	
EMF.6.1232	EMF.6	6		Ri.BG				FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret	
EMF.6.1233	EMF.6	6		Ri.BG	Ri.Plant	Veg.str					C.stor		Nut.ret	
EMF.6.1234	EMF.6	6		Ri.BG		Veg.str	Soil.het			FW.BG		H2O.cap		
EMF.6.1235	EMF.6	6		Ri.BG	Ri.Plant	Veg.str				FW.BG			Nut.ret	
EMF.6.1236	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.BG				
EMF.6.1237	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG				
EMF.6.1238	EMF.6	6			Ri.Plant		Soil.het		FD.BG	FW.BG	C.stor			
EMF.6.1239	EMF.6	6	Ri.AG				Soil.het		FD.BG	FW.AG	FW.BG	C.stor		
EMF.6.1240	EMF.6	6		Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG		H2O.cap	
EMF.6.1241	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.AG		C.stor		
EMF.6.1242	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG		Nut.ret	
EMF.6.1243	EMF.6	6				Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.1244	EMF.6	6		Ri.BG		Veg.str	Soil.het			FW.BG	C.stor	H2O.cap		
EMF.6.1245	EMF.6	6		Ri.BG	Ri.Plant				FD.BG		C.stor	H2O.cap		
EMF.6.1246	EMF.6	6	Ri.AG					FD.AG		FW.BG		H2O.cap	Nut.ret	
EMF.6.1247	EMF.6	6		Ri.BG	Ri.Plant		Soil.het			FW.BG	C.stor		Nut.ret	
EMF.6.1248	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG		FW.AG				
EMF.6.1249	EMF.6	6	Ri.AG						FD.BG	FW.AG	FW.BG	C.stor	Nut.ret	
EMF.6.1250	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FD.BG	FW.BG				
EMF.6.1251	EMF.6	6		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG				
EMF.6.1252	EMF.6	6	Ri.AG	Ri.BG			Soil.het		FD.BG				Nut.ret	
EMF.6.1253	EMF.6	6		Ri.BG		Veg.str		FD.AG			FW.BG	C.stor	H2O.cap	
EMF.6.1254	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant					FW.BG	C.stor		Nut.ret	
EMF.6.1255	EMF.6	6		Ri.BG					FD.BG	FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.1256	EMF.6	6			Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor			
EMF.6.1257	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG			Nut.ret	
EMF.6.1258	EMF.6	6		Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.BG	C.stor			
EMF.6.1259	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			H2O.cap		



EMF.6.1260	EMF.6	6		Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor		
EMF.6.1261	EMF.6	6	Ri.BG	Ri.Plant	Veg.str			FW.AG		C.stor		
EMF.6.1262	EMF.6	6			Veg.str	Soil.het	FD.AG	FW.AG	FW.BG	C.stor		
EMF.6.1263	EMF.6	6		Ri.Plant		Soil.het		FD.BG	FW.BG			Nut.ret
EMF.6.1264	EMF.6	6	Ri.AG			Soil.het	FD.AG				H2O.cap	Nut.ret
EMF.6.1265	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant				FW.BG	C.stor		
EMF.6.1266	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FW.BG		H2O.cap	
EMF.6.1267	EMF.6	6		Ri.BG	Ri.Plant			FD.BG	FW.AG	C.stor		
EMF.6.1268	EMF.6	6			Ri.Plant		Soil.het	FD.BG	FW.AG	FW.BG		
EMF.6.1269	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FW.AG	FW.BG		
EMF.6.1270	EMF.6	6				Soil.het	FD.AG	FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.6.1271	EMF.6	6	Ri.AG	Ri.BG		Veg.str			FW.BG	C.stor		
EMF.6.1272	EMF.6	6			Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG		
EMF.6.1273	EMF.6	6			Ri.Plant			FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.1274	EMF.6	6		Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG	C.stor	
EMF.6.1275	EMF.6	6			Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1276	EMF.6	6			Ri.Plant			FD.BG			C.stor	H2O.cap
EMF.6.1277	EMF.6	6	Ri.AG	Ri.BG		Veg.str	Soil.het	FD.AG				H2O.cap
EMF.6.1278	EMF.6	6		Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.BG	C.stor	
EMF.6.1279	EMF.6	6		Ri.BG		Veg.str		FD.AG			C.stor	H2O.cap
EMF.6.1280	EMF.6	6				Veg.str	Soil.het	FD.AG		FW.BG		H2O.cap
EMF.6.1281	EMF.6	6	Ri.AG					FD.AG	FD.BG	FW.AG	C.stor	Nut.ret
EMF.6.1282	EMF.6	6	Ri.AG	Ri.BG					FD.BG	FW.AG	C.stor	Nut.ret
EMF.6.1283	EMF.6	6			Ri.Plant		Soil.het			FW.BG		H2O.cap
EMF.6.1284	EMF.6	6			Ri.Plant			FD.AG		FW.BG	C.stor	H2O.cap
EMF.6.1285	EMF.6	6	Ri.AG					FD.AG		FW.BG	C.stor	Nut.ret
EMF.6.1286	EMF.6	6						FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap
EMF.6.1287	EMF.6	6	Ri.AG	Ri.BG		Veg.str		FD.AG			C.stor	Nut.ret
EMF.6.1288	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG	
EMF.6.1289	EMF.6	6		Ri.BG	Ri.Plant		Veg.str	FD.AG			C.stor	
EMF.6.1290	EMF.6	6	Ri.AG				Soil.het	FD.AG	FW.AG	FW.BG	C.stor	
EMF.6.1291	EMF.6	6					Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap
EMF.6.1292	EMF.6	6		Ri.BG	Ri.Plant			FD.AG		FW.BG	C.stor	H2O.cap
EMF.6.1293	EMF.6	6	Ri.AG					FD.AG			C.stor	H2O.cap
EMF.6.1294	EMF.6	6	Ri.AG	Ri.BG					FD.BG	FW.AG	FW.BG	Nut.ret
EMF.6.1295	EMF.6	6		Ri.BG	Ri.Plant		Veg.str	Soil.het	FD.BG	FW.AG		
EMF.6.1296	EMF.6	6		Ri.BG			Veg.str	Soil.het		FW.BG	C.stor	Nut.ret
EMF.6.1297	EMF.6	6	Ri.AG	Ri.BG				Soil.het	FD.BG	FW.AG	C.stor	
EMF.6.1298	EMF.6	6	Ri.AG					Soil.het	FD.AG	FD.BG	FW.AG	C.stor
EMF.6.1299	EMF.6	6	Ri.AG						FD.AG	FD.BG	FW.AG	FW.BG
EMF.6.1300	EMF.6	6	Ri.AG	Ri.BG				Soil.het		FW.AG	FW.BG	C.stor
EMF.6.1301	EMF.6	6	Ri.AG						FD.AG	FD.BG	FW.BG	H2O.cap
EMF.6.1302	EMF.6	6		Ri.BG	Ri.Plant				FD.AG		C.stor	H2O.cap
EMF.6.1303	EMF.6	6		Ri.BG	Ri.Plant				FD.AG		FW.BG	H2O.cap
EMF.6.1304	EMF.6	6			Ri.Plant			Soil.het		FD.BG	FW.BG	H2O.cap
EMF.6.1305	EMF.6	6	Ri.AG					Veg.str	Soil.het	FD.BG	FW.AG	FW.BG
EMF.6.1306	EMF.6	6		Ri.BG				Veg.str	Soil.het	FD.AG		FW.AG
EMF.6.1307	EMF.6	6	Ri.AG	Ri.BG					FD.AG	FD.BG		H2O.cap
EMF.6.1308	EMF.6	6		Ri.BG	Ri.Plant		Veg.str			FD.BG	FW.AG	
EMF.6.1309	EMF.6	6		Ri.BG	Ri.Plant			Soil.het			FW.BG	H2O.cap
EMF.6.1310	EMF.6	6	Ri.AG	Ri.BG					FD.AG		FW.BG	Nut.ret
EMF.6.1311	EMF.6	6					Veg.str		FD.AG	FD.BG	FW.AG	FW.BG
EMF.6.1312	EMF.6	6	Ri.AG	Ri.BG	Ri.Plant					FD.BG	FW.BG	C.stor
EMF.6.1313	EMF.6	6	Ri.AG	Ri.BG					FD.AG			C.stor
EMF.6.1314	EMF.6	6					Veg.str	Soil.het		FD.BG	FW.AG	FW.BG
EMF.6.1315	EMF.6	6	Ri.AG					Soil.het	FD.AG		FW.BG	H2O.cap
EMF.6.1316	EMF.6	6	Ri.AG	Ri.BG						FD.BG	FW.AG	FW.BG
EMF.6.1317	EMF.6	6		Ri.BG	Ri.Plant				FD.AG	FD.BG		C.stor
EMF.6.1318	EMF.6	6			Ri.Plant		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG
EMF.6.1319	EMF.6	6	Ri.AG						FD.AG	FD.BG	FW.AG	FW.BG
EMF.6.1320	EMF.6	6		Ri.BG			Veg.str		FD.AG	FD.BG		FW.BG
EMF.6.1321	EMF.6	6		Ri.BG			Veg.str	Soil.het	FD.AG	FD.BG		C.stor
EMF.6.1322	EMF.6	6			Ri.Plant			Soil.het		FD.BG		FW.BG

EMF.6.1323	EMF.6	6	Ri.BG	Veg.str	FD.AG	FD.BG	FW.AG	C.stor		
EMF.6.1324	EMF.6	6	Ri.AG	Ri.BG	Soil.het	FD.AG	FW.AG			Nut.ret
EMF.6.1325	EMF.6	6		Ri.Plant	FD.AG	FD.BG	FW.BG	C.stor		Nut.ret
EMF.6.1326	EMF.6	6	Ri.BG	Ri.Plant		FD.BG		C.stor	H2O.cap	Nut.ret
EMF.6.1327	EMF.6	6		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		
EMF.6.1328	EMF.6	6	Ri.BG	Veg.str	Soil.het		FD.BG	FW.BG		
EMF.6.1329	EMF.6	6	Ri.BG		FD.AG		FW.AG	C.stor	H2O.cap	Nut.ret
EMF.6.1330	EMF.6	6	Ri.BG				FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.1331	EMF.6	6	Ri.BG		FD.AG		FW.AG	FW.BG	C.stor	H2O.cap
EMF.6.1332	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	
EMF.6.1333	EMF.6	6		Ri.Plant			FD.BG	FW.BG	H2O.cap	Nut.ret
EMF.6.1334	EMF.6	6	Ri.AG	Ri.BG	Veg.str			FW.BG	C.stor	Nut.ret
EMF.6.1335	EMF.6	6		Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG		
EMF.6.1336	EMF.6	6		Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	
EMF.6.1337	EMF.6	6		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.BG	H2O.cap
EMF.6.1338	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het		FD.BG	FW.BG	
EMF.6.1339	EMF.6	6		Veg.str		FD.AG		FW.AG	FW.BG	C.stor
EMF.6.1340	EMF.6	6	Ri.BG	Ri.Plant			FD.BG	FW.BG	H2O.cap	
EMF.6.1341	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het		FW.AG	FW.BG	
EMF.6.1342	EMF.6	6		Ri.Plant		FD.AG		FW.AG	FW.BG	C.stor
EMF.6.1343	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.AG		FW.BG	H2O.cap
EMF.6.1344	EMF.6	6				FD.AG		FW.AG	FW.BG	C.stor
EMF.6.1345	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG		
EMF.6.1346	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.AG	FD.BG		
EMF.6.1347	EMF.6	6	Ri.BG	Ri.Plant			FD.BG	FW.BG	C.stor	H2O.cap
EMF.6.1348	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG	Nut.ret
EMF.6.1349	EMF.6	6	Ri.AG			Soil.het	FD.AG	FD.BG		H2O.cap
EMF.6.1350	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	
EMF.6.1351	EMF.6	6		Ri.Plant			FD.AG		FW.AG	FW.BG
EMF.6.1352	EMF.6	6	Ri.AG			Soil.het		FD.BG	C.stor	Nut.ret
EMF.6.1353	EMF.6	6	Ri.BG	Veg.str			FD.BG	FW.AG	FW.BG	C.stor
EMF.6.1354	EMF.6	6	Ri.BG	Ri.Plant		Soil.het		FD.BG	FW.BG	H2O.cap
EMF.6.1355	EMF.6	6		Ri.Plant		FD.AG		FW.BG	C.stor	Nut.ret
EMF.6.1356	EMF.6	6		Ri.Plant			FD.BG	FW.BG	C.stor	H2O.cap
EMF.6.1357	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	
EMF.6.1358	EMF.6	6	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG
EMF.6.1359	EMF.6	6	Ri.AG				FD.AG	FD.BG	FW.BG	C.stor
EMF.6.1360	EMF.6	6	Ri.BG			Soil.het		FD.BG	FW.AG	C.stor
EMF.6.1361	EMF.6	6	Ri.BG	Veg.str		Soil.het		FW.AG	FW.BG	
EMF.6.1362	EMF.6	6	Ri.AG			Soil.het		FD.BG		C.stor
EMF.6.1363	EMF.6	6	Ri.BG	Ri.Plant			FD.AG		FW.AG	C.stor
EMF.6.1364	EMF.6	6		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.BG	
EMF.6.1365	EMF.6	6	Ri.BG	Veg.str		Soil.het	FD.AG		FW.BG	Nut.ret
EMF.6.1366	EMF.6	6	Ri.BG	Ri.Plant			FD.AG		FW.AG	C.stor
EMF.6.1367	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG		FW.AG	FW.BG
EMF.6.1368	EMF.6	6	Ri.BG	Veg.str			FD.AG		FW.AG	C.stor
EMF.6.1369	EMF.6	6	Ri.BG	Veg.str		Soil.het	FD.AG			H2O.cap
EMF.6.1370	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	
EMF.6.1371	EMF.6	6	Ri.AG	Ri.BG			FD.AG			H2O.cap
EMF.6.1372	EMF.6	6					FD.AG		FW.AG	FW.BG
EMF.6.1373	EMF.6	6		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG	FW.BG	C.stor
EMF.6.1374	EMF.6	6	Ri.BG	Ri.Plant				FW.AG	FW.BG	C.stor
EMF.6.1375	EMF.6	6				Soil.het	FD.AG	FD.BG		C.stor
EMF.6.1376	EMF.6	6	Ri.AG	Ri.BG	Veg.str		Soil.het	FD.BG	FW.BG	H2O.cap
EMF.6.1377	EMF.6	6	Ri.AG	Ri.BG			Soil.het	FD.AG		FW.AG
EMF.6.1378	EMF.6	6	Ri.BG	Ri.Plant				FD.BG	FW.BG	C.stor
EMF.6.1379	EMF.6	6	Ri.AG	Ri.BG	Veg.str			FW.AG	FW.BG	C.stor
EMF.6.1380	EMF.6	6	Ri.AG	Ri.BG				FD.BG		H2O.cap
EMF.6.1381	EMF.6	6	Ri.BG	Veg.str		Soil.het			FW.BG	H2O.cap
EMF.6.1382	EMF.6	6	Ri.AG	Ri.BG			Soil.het	FD.AG		H2O.cap
EMF.6.1383	EMF.6	6	Ri.BG	Ri.Plant	Veg.str			FD.BG	FW.BG	
EMF.6.1384	EMF.6	6	Ri.BG	Veg.str		Soil.het	FD.AG		FW.BG	C.stor
EMF.6.1385	EMF.6	6	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.BG	H2O.cap

EMF.6.1386	EMF.6	6	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG					
EMF.6.1387	EMF.6	6	Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG				
EMF.6.1388	EMF.6	6	Ri.BG				FD.AG	FW.AG	C.stor		Nut.ret	
EMF.6.1389	EMF.6	6	Ri.BG		Veg.str				FW.BG	C.stor		Nut.ret
EMF.6.1390	EMF.6	6	Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor		Nut.ret
EMF.6.1391	EMF.6	6			Veg.str	Soil.het	FD.AG	FD.BG	FW.BG			
EMF.6.1392	EMF.6	6	Ri.AG	Ri.BG			FD.AG		FW.BG		H2O.cap	
EMF.6.1393	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG			
EMF.6.1394	EMF.6	6	Ri.BG	Ri.Plant				FD.BG		C.stor		Nut.ret
EMF.6.1395	EMF.6	6	Ri.BG	Ri.Plant			FD.AG			C.stor		Nut.ret
EMF.6.1396	EMF.6	6	Ri.BG		Veg.str				FW.AG	FW.BG	C.stor	
EMF.6.1397	EMF.6	6	Ri.BG	Ri.Plant				FD.BG		FW.BG		Nut.ret
EMF.6.1398	EMF.6	6	Ri.BG	Ri.Plant			FD.AG	FD.BG		FW.BG		Nut.ret
EMF.6.1399	EMF.6	6	Ri.BG	Ri.Plant			FD.AG			FW.BG		Nut.ret
EMF.6.1400	EMF.6	6	Ri.BG						FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.1401	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FD.BG			C.stor	
EMF.6.1402	EMF.6	6	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1403	EMF.6	6	Ri.AG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		
EMF.6.1404	EMF.6	6	Ri.BG				FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1405	EMF.6	6	Ri.BG				FD.AG	FD.BG			C.stor	H2O.cap
EMF.6.1406	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het			FW.AG	FW.BG		
EMF.6.1407	EMF.6	6	Ri.BG	Ri.Plant					FW.AG	FW.BG	C.stor	
EMF.6.1408	EMF.6	6	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.BG		
EMF.6.1409	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.AG			FW.BG	C.stor	
EMF.6.1410	EMF.6	6					FD.AG	FD.BG			C.stor	H2O.cap
EMF.6.1411	EMF.6	6	Ri.AG			Soil.het		FD.BG				H2O.cap
EMF.6.1412	EMF.6	6				Soil.het		FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.1413	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het		FD.BG	FW.AG			
EMF.6.1414	EMF.6	6	Ri.AG			Soil.het		FD.BG				Nut.ret
EMF.6.1415	EMF.6	6			Veg.str	Soil.het	FD.AG		FW.AG	FW.BG		
EMF.6.1416	EMF.6	6	Ri.AG	Ri.BG		Soil.het				FW.BG		Nut.ret
EMF.6.1417	EMF.6	6	Ri.AG	Ri.BG		Soil.het					C.stor	Nut.ret
EMF.6.1418	EMF.6	6				Soil.het	FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.6.1419	EMF.6	6	Ri.BG	Ri.Plant			FD.AG	FD.BG			C.stor	
EMF.6.1420	EMF.6	6		Ri.Plant			FD.AG	FD.BG		FW.BG	C.stor	
EMF.6.1421	EMF.6	6	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG		
EMF.6.1422	EMF.6	6	Ri.BG		Veg.str		FD.AG			FW.BG		H2O.cap
EMF.6.1423	EMF.6	6	Ri.AG		Veg.str		FD.AG		FW.AG	FW.BG	C.stor	
EMF.6.1424	EMF.6	6	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG		
EMF.6.1425	EMF.6	6	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG			
EMF.6.1426	EMF.6	6			Veg.str		FD.AG		FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.1427	EMF.6	6	Ri.BG		Veg.str		FD.AG			FW.BG	C.stor	
EMF.6.1428	EMF.6	6	Ri.AG	Ri.BG		Soil.het					C.stor	H2O.cap
EMF.6.1429	EMF.6	6	Ri.BG			Soil.het	FD.AG	FD.BG				Nut.ret
EMF.6.1430	EMF.6	6	Ri.BG		Veg.str				FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.1431	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG		C.stor	
EMF.6.1432	EMF.6	6	Ri.AG	Ri.BG		Soil.het						H2O.cap
EMF.6.1433	EMF.6	6	Ri.AG	Ri.BG				FD.BG			C.stor	H2O.cap
EMF.6.1434	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FD.BG				H2O.cap
EMF.6.1435	EMF.6	6	Ri.BG	Ri.Plant			FD.AG			FW.BG		H2O.cap
EMF.6.1436	EMF.6	6			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.1437	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG			C.stor	
EMF.6.1438	EMF.6	6					FD.AG	FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.1439	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.AG		FW.AG		C.stor	
EMF.6.1440	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG			FW.BG		
EMF.6.1441	EMF.6	6	Ri.AG					FD.BG			C.stor	H2O.cap
EMF.6.1442	EMF.6	6				Soil.het	FD.AG	FD.BG			C.stor	Nut.ret
EMF.6.1443	EMF.6	6	Ri.BG		Veg.str					FW.BG	C.stor	H2O.cap
EMF.6.1444	EMF.6	6	Ri.BG			Soil.het	FD.AG	FD.BG	FW.AG			H2O.cap
EMF.6.1445	EMF.6	6	Ri.BG				FD.AG	FD.BG				H2O.cap
EMF.6.1446	EMF.6	6		Ri.Plant	Veg.str		FD.AG		FW.AG	FW.BG	C.stor	
EMF.6.1447	EMF.6	6	Ri.AG			Soil.het				FW.BG	C.stor	Nut.ret
EMF.6.1448	EMF.6	6	Ri.AG	Ri.BG			FD.AG				C.stor	Nut.ret

EMF.6.1449	EMF.6	6	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG	H2O.cap		
EMF.6.1450	EMF.6	6	Ri.BG	Ri.Plant	Soil.het		FD.BG		FW.BG			
EMF.6.1451	EMF.6	6		Ri.Plant	Veg.str	FD.AG		FW.AG	FW.BG			
EMF.6.1452	EMF.6	6	Ri.AG		Soil.het					C.stor	H2O.cap	Nut.ret
EMF.6.1453	EMF.6	6	Ri.BG	Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG				
EMF.6.1454	EMF.6	6	Ri.BG		Veg.str	FD.AG	FD.BG		FW.BG			
EMF.6.1455	EMF.6	6	Ri.AG	Ri.BG			FD.BG		FW.BG			Nut.ret
EMF.6.1456	EMF.6	6	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	C.stor		
EMF.6.1457	EMF.6	6	Ri.AG		Soil.het				FW.BG	C.stor	H2O.cap	
EMF.6.1458	EMF.6	6	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG			
EMF.6.1459	EMF.6	6	Ri.AG		Soil.het		FD.BG		FW.BG	C.stor		
EMF.6.1460	EMF.6	6	Ri.BG	Ri.Plant	Soil.het		FD.BG	FW.AG	FW.BG			
EMF.6.1461	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG	FD.BG				
EMF.6.1462	EMF.6	6	Ri.BG	Ri.Plant	Veg.str				FW.BG	C.stor		
EMF.6.1463	EMF.6	6	Ri.AG	Ri.BG				FD.BG		C.stor		Nut.ret
EMF.6.1464	EMF.6	6	Ri.BG	Ri.Plant	Soil.het	FD.AG		FW.AG	FW.BG			
EMF.6.1465	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.AG			
EMF.6.1466	EMF.6	6	Ri.BG		Veg.str		FD.AG		FW.AG	C.stor		Nut.ret
EMF.6.1467	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG	C.stor		
EMF.6.1468	EMF.6	6			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.6.1469	EMF.6	6	Ri.BG	Ri.Plant						C.stor	H2O.cap	Nut.ret
EMF.6.1470	EMF.6	6	Ri.BG	Ri.Plant					FW.BG	C.stor	H2O.cap	
EMF.6.1471	EMF.6	6	Ri.AG				FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.6.1472	EMF.6	6	Ri.BG		Soil.het	FD.AG		FW.AG			H2O.cap	Nut.ret
EMF.6.1473	EMF.6	6		Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.6.1474	EMF.6	6		Ri.Plant			FD.BG		FW.BG	C.stor		Nut.ret
EMF.6.1475	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.BG	FW.AG	FW.BG			
EMF.6.1476	EMF.6	6	Ri.AG	Ri.BG	Soil.het				FW.BG	C.stor		
EMF.6.1477	EMF.6	6	Ri.AG		Veg.str	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.6.1478	EMF.6	6	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG		C.stor		
EMF.6.1479	EMF.6	6		Ri.Plant					FW.BG	C.stor	H2O.cap	Nut.ret
EMF.6.1480	EMF.6	6	Ri.AG		Soil.het	FD.AG	FD.BG		FW.BG			
EMF.6.1481	EMF.6	6	Ri.AG				FD.BG		FW.BG	C.stor	H2O.cap	
EMF.6.1482	EMF.6	6	Ri.BG			FD.AG	FD.BG	FW.AG		C.stor		
EMF.6.1483	EMF.6	6			Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.1484	EMF.6	6	Ri.BG		Veg.str		FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1485	EMF.6	6	Ri.BG		Veg.str	Soil.het	FD.AG		FW.BG			
EMF.6.1486	EMF.6	6	Ri.BG	Ri.Plant					FW.BG		H2O.cap	Nut.ret
EMF.6.1487	EMF.6	6	Ri.AG		Soil.het				FW.BG		H2O.cap	Nut.ret
EMF.6.1488	EMF.6	6	Ri.AG	Ri.BG				FW.AG	FW.BG	C.stor		Nut.ret
EMF.6.1489	EMF.6	6	Ri.AG			FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.6.1490	EMF.6	6				FD.AG	FD.BG	FW.AG	FW.BG	C.stor		
EMF.6.1491	EMF.6	6	Ri.AG	Ri.BG			FD.AG		FW.BG	C.stor		
EMF.6.1492	EMF.6	6		Ri.Plant	Soil.het	FD.AG	FD.BG		FW.BG			
EMF.6.1493	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG		FW.AG			
EMF.6.1494	EMF.6	6	Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG	C.stor		
EMF.6.1495	EMF.6	6	Ri.BG			FD.AG	FD.BG			C.stor		Nut.ret
EMF.6.1496	EMF.6	6	Ri.AG	Ri.BG	Veg.str	Soil.het	FD.AG		FW.BG			
EMF.6.1497	EMF.6	6		Ri.Plant	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			
EMF.6.1498	EMF.6	6	Ri.BG		Soil.het			FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.1499	EMF.6	6	Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG				
EMF.6.1500	EMF.6	6	Ri.BG	Ri.Plant			FD.BG	FW.AG	FW.BG			
EMF.6.1501	EMF.6	6	Ri.BG				FD.BG	FW.AG	FW.BG	C.stor		
EMF.6.1502	EMF.6	6	Ri.AG	Ri.BG	Soil.het	FD.AG	FD.BG					
EMF.6.1503	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG		FW.BG		
EMF.6.1504	EMF.6	6	Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.6.1505	EMF.6	6	Ri.AG	Ri.BG			FD.BG		FW.BG		H2O.cap	
EMF.6.1506	EMF.6	6	Ri.BG	Ri.Plant	Veg.str		FD.AG		FW.BG			
EMF.6.1507	EMF.6	6	Ri.BG		Veg.str		FD.AG		FW.BG	C.stor		Nut.ret
EMF.6.1508	EMF.6	6	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1509	EMF.6	6	Ri.AG		Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.6.1510	EMF.6	6	Ri.AG	Ri.BG	Soil.het				FW.BG		H2O.cap	
EMF.6.1511	EMF.6	6	Ri.AG				FD.BG		FW.BG	C.stor		Nut.ret

EMF.6.1512	EMF.6	6		Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG			
EMF.6.1513	EMF.6	6	Ri.AG	Ri.BG	Veg.str	FD.AG	FD.BG	FW.AG				
EMF.6.1514	EMF.6	6		Ri.BG		FD.AG	FD.BG		FW.BG			Nut.ret
EMF.6.1515	EMF.6	6		Ri.BG		FD.AG		FW.AG	FW.BG		H2O.cap	Nut.ret
EMF.6.1516	EMF.6	6		Ri.BG	Soil.het		FD.BG	FW.AG	FW.BG			Nut.ret
EMF.6.1517	EMF.6	6		Ri.BG	Soil.het	FD.AG	FD.BG				C.stor	
EMF.6.1518	EMF.6	6		Ri.BG	Soil.het	FD.AG					C.stor	H2O.cap
EMF.6.1519	EMF.6	6			Soil.het	FD.AG			FW.BG		C.stor	H2O.cap
EMF.6.1520	EMF.6	6		Ri.BG	Soil.het	FD.AG	FD.BG	FW.AG				Nut.ret
EMF.6.1521	EMF.6	6		Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG		
EMF.6.1522	EMF.6	6		Ri.BG	Ri.Plant		FD.AG			FW.BG	C.stor	
EMF.6.1523	EMF.6	6		Ri.BG	Ri.Plant			FD.BG		FW.BG	C.stor	Nut.ret
EMF.6.1524	EMF.6	6			Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.6.1525	EMF.6	6				FD.AG	FD.BG			FW.BG	C.stor	Nut.ret
EMF.6.1526	EMF.6	6		Ri.BG	Ri.Plant		FD.AG		FW.AG	FW.BG		
EMF.6.1527	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	FD.AG	FD.BG	FW.AG			
EMF.6.1528	EMF.6	6	Ri.AG	Ri.BG		FD.AG		FW.AG			C.stor	Nut.ret
EMF.6.1529	EMF.6	6	Ri.AG		Soil.het	FD.AG	FD.BG				C.stor	H2O.cap
EMF.6.1530	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FD.BG		FW.BG		
EMF.6.1531	EMF.6	6			Soil.het	FD.AG					C.stor	H2O.cap
EMF.6.1532	EMF.6	6		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG			
EMF.6.1533	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	FD.AG	FD.BG		FW.BG		
EMF.6.1534	EMF.6	6		Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG		
EMF.6.1535	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG		FW.BG		
EMF.6.1536	EMF.6	6		Ri.BG	Veg.str	Soil.het	FD.AG			FW.BG		H2O.cap
EMF.6.1537	EMF.6	6		Ri.BG		Soil.het			FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.1538	EMF.6	6		Ri.BG		Soil.het	FD.AG				C.stor	Nut.ret
EMF.6.1539	EMF.6	6				FD.AG	FD.BG			FW.BG		H2O.cap
EMF.6.1540	EMF.6	6		Ri.BG	Ri.Plant					FW.BG	C.stor	H2O.cap
EMF.6.1541	EMF.6	6		Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG		H2O.cap
EMF.6.1542	EMF.6	6			Soil.het	FD.AG	FD.BG					H2O.cap
EMF.6.1543	EMF.6	6			Soil.het	FD.AG		FW.AG	FW.BG	C.stor		Nut.ret
EMF.6.1544	EMF.6	6			Soil.het	FD.AG			FW.BG	C.stor		Nut.ret
EMF.6.1545	EMF.6	6	Ri.AG			FD.AG	FD.BG		FW.BG	C.stor		H2O.cap
EMF.6.1546	EMF.6	6		Ri.BG	Ri.Plant		FD.AG		FW.AG	FW.BG	C.stor	
EMF.6.1547	EMF.6	6		Ri.BG		Soil.het		FD.BG			C.stor	Nut.ret
EMF.6.1548	EMF.6	6		Ri.BG	Veg.str		FD.AG		FW.AG	FW.BG		
EMF.6.1549	EMF.6	6	Ri.AG			FD.AG	FD.BG				C.stor	H2O.cap
EMF.6.1550	EMF.6	6			Soil.het	FD.AG	FD.BG			FW.BG	C.stor	
EMF.6.1551	EMF.6	6		Ri.BG	Ri.Plant		FD.AG			FW.BG	C.stor	Nut.ret
EMF.6.1552	EMF.6	6	Ri.AG			Soil.het	FD.AG	FD.BG			C.stor	Nut.ret
EMF.6.1553	EMF.6	6		Ri.BG		Soil.het	FD.AG		FW.AG		C.stor	Nut.ret
EMF.6.1554	EMF.6	6		Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG		
EMF.6.1555	EMF.6	6		Ri.BG				FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.1556	EMF.6	6		Ri.BG			FD.AG	FD.BG	FW.AG		C.stor	Nut.ret
EMF.6.1557	EMF.6	6	Ri.AG	Ri.BG				FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1558	EMF.6	6		Ri.BG		Soil.het		FD.BG				H2O.cap
EMF.6.1559	EMF.6	6	Ri.AG	Ri.BG	Veg.str		FD.AG		FW.AG	FW.BG		
EMF.6.1560	EMF.6	6				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.6.1561	EMF.6	6				Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret
EMF.6.1562	EMF.6	6	Ri.AG				FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1563	EMF.6	6	Ri.AG	Ri.BG						FW.BG		H2O.cap
EMF.6.1564	EMF.6	6			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG			Nut.ret
EMF.6.1565	EMF.6	6		Ri.BG	Ri.Plant			FD.BG		FW.BG	C.stor	
EMF.6.1566	EMF.6	6		Ri.BG			FD.AG		FW.AG	FW.BG	C.stor	
EMF.6.1567	EMF.6	6	Ri.AG							FW.BG	C.stor	H2O.cap
EMF.6.1568	EMF.6	6		Ri.BG		Soil.het		FD.BG			C.stor	H2O.cap
EMF.6.1569	EMF.6	6	Ri.AG	Ri.BG							C.stor	H2O.cap
EMF.6.1570	EMF.6	6		Ri.BG	Ri.Plant		FD.AG	FD.BG		FW.BG	C.stor	
EMF.6.1571	EMF.6	6		Ri.BG	Ri.Plant		Soil.het	FD.AG	FD.BG			FW.BG
EMF.6.1572	EMF.6	6	Ri.AG	Ri.BG						FW.BG	C.stor	H2O.cap
EMF.6.1573	EMF.6	6		Ri.BG		Soil.het		FD.BG		FW.BG		Nut.ret
EMF.6.1574	EMF.6	6		Ri.BG	Ri.Plant					FW.BG	C.stor	Nut.ret

EMF.6.1575	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG		C.stor	
EMF.6.1576	EMF.6	6	Ri.AG			Soil.het	FD.AG			FW.BG	C.stor	H2O.cap
EMF.6.1577	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG			C.stor	H2O.cap
EMF.6.1578	EMF.6	6	Ri.AG			Soil.het	FD.AG			FW.BG	C.stor	Nut.ret
EMF.6.1579	EMF.6	6		Ri.BG	Ri.Plant		FD.AG	FD.BG		FW.BG		
EMF.6.1580	EMF.6	6				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.6.1581	EMF.6	6	Ri.AG	Ri.BG				FD.BG		FW.BG	C.stor	
EMF.6.1582	EMF.6	6		Ri.BG		Soil.het	FD.AG			FW.BG		Nut.ret
EMF.6.1583	EMF.6	6		Ri.BG		Soil.het	FD.AG			FW.BG	C.stor	
EMF.6.1584	EMF.6	6	Ri.AG				FD.AG	FD.BG		FW.BG	C.stor	Nut.ret
EMF.6.1585	EMF.6	6	Ri.AG			Soil.het	FD.AG	FD.BG		FW.BG		Nut.ret
EMF.6.1586	EMF.6	6		Ri.BG		Soil.het	FD.AG	FD.BG				H2O.cap
EMF.6.1587	EMF.6	6		Ri.BG				FD.BG			C.stor	H2O.cap
EMF.6.1588	EMF.6	6	Ri.AG				FD.AG	FD.BG		FW.BG		H2O.cap
EMF.6.1589	EMF.6	6		Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1590	EMF.6	6		Ri.BG		Soil.het	FD.AG					H2O.cap
EMF.6.1591	EMF.6	6	Ri.AG			Soil.het	FD.AG	FD.BG		FW.BG	C.stor	
EMF.6.1592	EMF.6	6					FD.AG			FW.BG	C.stor	H2O.cap
EMF.6.1593	EMF.6	6		Ri.BG	Ri.Plant	Veg.str	FD.AG		FW.AG	FW.BG		
EMF.6.1594	EMF.6	6	Ri.AG	Ri.BG						FW.BG	C.stor	Nut.ret
EMF.6.1595	EMF.6	6		Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG		C.stor	
EMF.6.1596	EMF.6	6				Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	C.stor	
EMF.6.1597	EMF.6	6		Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG		Nut.ret
EMF.6.1598	EMF.6	6		Ri.BG			FD.AG	FD.BG		FW.BG		H2O.cap
EMF.6.1599	EMF.6	6		Ri.BG			FD.AG			FW.BG	C.stor	H2O.cap
EMF.6.1600	EMF.6	6		Ri.BG				FD.BG		FW.BG		H2O.cap
EMF.6.1601	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG	FW.AG		Nut.ret
EMF.6.1602	EMF.6	6				Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.6.1603	EMF.6	6		Ri.BG		Veg.str	FD.AG		FW.AG	FW.BG	C.stor	
EMF.6.1604	EMF.6	6		Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	FW.BG	
EMF.6.1605	EMF.6	6				Soil.het		FD.BG			C.stor	H2O.cap
EMF.6.1606	EMF.6	6		Ri.BG			FD.AG				C.stor	H2O.cap
EMF.6.1607	EMF.6	6	Ri.AG	Ri.BG			FD.AG		FW.AG	FW.BG	C.stor	
EMF.6.1608	EMF.6	6	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.6.1609	EMF.6	6		Ri.BG				FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.1610	EMF.6	6				Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.1611	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG		
EMF.6.1612	EMF.6	6	Ri.AG			Soil.het		FD.BG			C.stor	H2O.cap
EMF.6.1613	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG	FW.BG		
EMF.6.1614	EMF.6	6				Soil.het	FD.AG			FW.BG		H2O.cap
EMF.6.1615	EMF.6	6	Ri.AG			Soil.het	FD.AG	FD.BG				H2O.cap
EMF.6.1616	EMF.6	6		Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG		
EMF.6.1617	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG				H2O.cap
EMF.6.1618	EMF.6	6		Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG		FW.BG	
EMF.6.1619	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG				Nut.ret
EMF.6.1620	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG		FW.BG		Nut.ret
EMF.6.1621	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FD.BG			C.stor	Nut.ret
EMF.6.1622	EMF.6	6	Ri.AG			Soil.het	FD.AG				C.stor	H2O.cap
EMF.6.1623	EMF.6	6		Ri.BG		Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret
EMF.6.1624	EMF.6	6	Ri.AG	Ri.BG		Soil.het		FD.BG			C.stor	H2O.cap
EMF.6.1625	EMF.6	6				Soil.het		FD.BG		FW.BG	C.stor	Nut.ret
EMF.6.1626	EMF.6	6		Ri.BG	Ri.Plant		FD.AG	FD.BG	FW.AG	FW.BG		
EMF.6.1627	EMF.6	6	Ri.AG			Soil.het		FD.BG		FW.BG	C.stor	Nut.ret
EMF.6.1628	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG	FW.AG			
EMF.6.1629	EMF.6	6	Ri.AG			Soil.het		FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.1630	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG			C.stor	Nut.ret
EMF.6.1631	EMF.6	6		Ri.BG			FD.AG			FW.BG		H2O.cap
EMF.6.1632	EMF.6	6						FD.BG		FW.BG	C.stor	H2O.cap
EMF.6.1633	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG				C.stor	H2O.cap
EMF.6.1634	EMF.6	6		Ri.BG		Soil.het		FD.BG		FW.BG	C.stor	
EMF.6.1635	EMF.6	6		Ri.BG				FD.BG		FW.BG	C.stor	Nut.ret
EMF.6.1636	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG			FW.BG	C.stor	
EMF.6.1637	EMF.6	6	Ri.AG	Ri.BG		Soil.het	FD.AG	FD.BG			C.stor	



EMF.6.1638	EMF.6	6		Soil.het	FD.AG	FD.BG		FW.BG		H2O.cap	
EMF.6.1639	EMF.6	6	Ri.BG	Soil.het	FD.AG		FW.AG	FW.BG	C.stor		
EMF.6.1640	EMF.6	6	Ri.BG		FD.AG	FD.BG		FW.BG	C.stor		
EMF.6.1641	EMF.6	6	Ri.AG	Ri.BG	Soil.het			FD.BG		FW.BG	Nut.ret
EMF.6.1642	EMF.6	6	Ri.AG		Soil.het	FD.AG				FW.BG	H2O.cap Nut.ret
EMF.6.1643	EMF.6	6	Ri.AG	Ri.BG	Soil.het			FD.BG			H2O.cap Nut.ret
EMF.6.1644	EMF.6	6	Ri.BG		Veg.str	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.6.1645	EMF.6	6	Ri.BG		Soil.het			FD.BG		FW.BG	H2O.cap
EMF.6.1646	EMF.6	6	Ri.BG		Soil.het					C.stor	H2O.cap Nut.ret
EMF.6.1647	EMF.6	6			Soil.het			FD.BG		FW.BG	H2O.cap Nut.ret
EMF.6.1648	EMF.6	6	Ri.AG	Ri.BG	Soil.het	FD.AG				FW.BG	Nut.ret
EMF.6.1649	EMF.6	6	Ri.AG	Ri.BG				FD.BG		C.stor	H2O.cap Nut.ret
EMF.6.1650	EMF.6	6	Ri.AG					FD.BG		FW.BG	C.stor H2O.cap Nut.ret
EMF.6.1651	EMF.6	6	Ri.AG	Ri.BG	Soil.het	FD.AG				C.stor	Nut.ret
EMF.6.1652	EMF.6	6	Ri.BG		Soil.het	FD.AG				FW.BG	H2O.cap
EMF.6.1653	EMF.6	6	Ri.AG					FD.AG		FW.BG	C.stor H2O.cap Nut.ret
EMF.6.1654	EMF.6	6	Ri.BG					FD.AG		FW.BG	C.stor Nut.ret
EMF.6.1655	EMF.6	6	Ri.AG		Soil.het			FD.BG		FW.BG	H2O.cap Nut.ret
EMF.6.1656	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.BG	C.stor H2O.cap
EMF.6.1657	EMF.6	6	Ri.BG		Soil.het					FW.BG	C.stor H2O.cap
EMF.6.1658	EMF.6	6	Ri.BG		Soil.het					FW.BG	C.stor Nut.ret
EMF.6.1659	EMF.6	6	Ri.BG		Veg.str	Soil.het	FD.AG		FW.AG	FW.BG	
EMF.6.1660	EMF.6	6	Ri.AG	Ri.BG				FD.BG		FW.BG	H2O.cap Nut.ret
EMF.6.1661	EMF.6	6	Ri.AG	Ri.BG				FD.BG		FW.BG	C.stor H2O.cap
EMF.6.1662	EMF.6	6	Ri.BG		Soil.het					FW.BG	H2O.cap Nut.ret
EMF.6.1663	EMF.6	6			Soil.het					FW.BG	C.stor H2O.cap Nut.ret
EMF.6.1664	EMF.6	6	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG	FW.BG	
EMF.6.1665	EMF.6	6	Ri.AG	Ri.BG				FD.BG		FW.BG	C.stor
EMF.6.1666	EMF.6	6	Ri.AG		Soil.het					FW.BG	C.stor H2O.cap Nut.ret
EMF.6.1667	EMF.6	6			Soil.het	FD.AG	FD.BG				C.stor H2O.cap Nut.ret
EMF.6.1668	EMF.6	6	Ri.AG		Soil.het	FD.AG	FD.BG			FW.BG	H2O.cap
EMF.6.1669	EMF.6	6	Ri.AG	Ri.BG				FD.AG	FD.BG	FW.BG	H2O.cap
EMF.6.1670	EMF.6	6	Ri.AG	Ri.BG				Soil.het		FW.BG	C.stor Nut.ret
EMF.6.1671	EMF.6	6	Ri.AG	Ri.BG				Soil.het		FW.BG	C.stor H2O.cap
EMF.6.1672	EMF.6	6	Ri.AG	Ri.BG						FD.BG	FW.BG C.stor Nut.ret
EMF.6.1673	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.BG	H2O.cap Nut.ret
EMF.6.1674	EMF.6	6	Ri.BG		Soil.het	FD.AG	FD.BG				C.stor H2O.cap
EMF.6.1675	EMF.6	6			Soil.het	FD.AG	FD.BG			FW.BG	C.stor H2O.cap
EMF.6.1676	EMF.6	6	Ri.BG					FD.AG	FW.AG	FW.BG	C.stor Nut.ret
EMF.6.1677	EMF.6	6	Ri.AG	Ri.BG				Soil.het			C.stor H2O.cap Nut.ret
EMF.6.1678	EMF.6	6	Ri.AG	Ri.BG						FD.AG	C.stor H2O.cap Nut.ret
EMF.6.1679	EMF.6	6	Ri.BG					FD.AG	FD.BG		C.stor H2O.cap Nut.ret
EMF.6.1680	EMF.6	6						FD.AG	FD.BG		FW.BG C.stor H2O.cap Nut.ret
EMF.6.1681	EMF.6	6	Ri.AG	Ri.BG				FD.AG		FW.BG	C.stor Nut.ret
EMF.6.1682	EMF.6	6	Ri.BG		Soil.het	FD.AG	FD.BG			FW.BG	
EMF.6.1683	EMF.6	6	Ri.AG	Ri.BG				FD.AG	FD.BG		FW.BG C.stor
EMF.6.1684	EMF.6	6	Ri.AG	Ri.BG				Soil.het	FD.AG	FD.BG	H2O.cap
EMF.6.1685	EMF.6	6	Ri.AG	Ri.BG				Soil.het	FD.AG		H2O.cap Nut.ret
EMF.6.1686	EMF.6	6	Ri.AG	Ri.BG				Soil.het			FW.BG H2O.cap Nut.ret
EMF.6.1687	EMF.6	6	Ri.AG	Ri.BG				Soil.het		FD.BG	FW.BG H2O.cap
EMF.6.1688	EMF.6	6	Ri.BG		Soil.het	FD.AG	FD.BG				C.stor Nut.ret
EMF.6.1689	EMF.6	6	Ri.BG					FD.AG	FD.BG	FW.BG	C.stor H2O.cap
EMF.6.1690	EMF.6	6	Ri.BG					FD.AG	FD.BG	FW.AG	FW.BG C.stor
EMF.6.1691	EMF.6	6	Ri.AG	Ri.BG				Soil.het	FD.AG		FW.BG H2O.cap
EMF.6.1692	EMF.6	6			Soil.het	FD.AG	FD.BG			FW.BG	C.stor Nut.ret
EMF.6.1693	EMF.6	6	Ri.BG							FW.BG	C.stor H2O.cap Nut.ret
EMF.6.1694	EMF.6	6	Ri.BG					Soil.het		FD.BG	C.stor H2O.cap Nut.ret
EMF.6.1695	EMF.6	6	Ri.AG	Ri.BG						FW.BG	C.stor H2O.cap Nut.ret
EMF.6.1696	EMF.6	6	Ri.BG					Soil.het	FD.AG	FD.BG	H2O.cap Nut.ret
EMF.6.1697	EMF.6	6						Soil.het		FD.BG	FW.BG C.stor H2O.cap Nut.ret
EMF.6.1698	EMF.6	6	Ri.BG							FD.AG	FD.BG FW.BG H2O.cap Nut.ret
EMF.6.1699	EMF.6	6	Ri.BG					Soil.het		FD.BG	FW.BG C.stor H2O.cap
EMF.6.1700	EMF.6	6	Ri.BG							FD.AG	FD.BG FW.BG C.stor Nut.ret

EMF.6.1701	EMF.6	6	Ri.AG	Ri.BG	Soil.het	FD.AG	FD.BG	FW.BG		
EMF.6.1702	EMF.6	6		Ri.BG	Soil.het		FD.BG	FW.BG	C.stor	Nut.ret
EMF.6.1703	EMF.6	6		Ri.BG			FD.BG	FW.BG	C.stor	H2O.cap
EMF.6.1704	EMF.6	6		Ri.BG	Soil.het	FD.AG	FD.BG	FW.BG		Nut.ret
EMF.6.1705	EMF.6	6			Soil.het	FD.AG	FD.BG	FW.BG		H2O.cap
EMF.6.1706	EMF.6	6			Soil.het	FD.AG		FW.BG	C.stor	H2O.cap
EMF.6.1707	EMF.6	6		Ri.BG	Soil.het	FD.AG	FD.BG	FW.BG	C.stor	
EMF.6.1708	EMF.6	6		Ri.BG	Soil.het		FD.BG	FW.BG		H2O.cap
EMF.6.1709	EMF.6	6		Ri.BG	Soil.het	FD.AG		FW.BG	C.stor	H2O.cap
EMF.6.1710	EMF.6	6		Ri.BG	Soil.het	FD.AG	FD.BG	FW.AG	FW.BG	
EMF.6.1711	EMF.6	6		Ri.BG	Soil.het	FD.AG			C.stor	H2O.cap
EMF.6.1712	EMF.6	6		Ri.BG	Soil.het	FD.AG		FW.BG	C.stor	Nut.ret
EMF.6.1713	EMF.6	6		Ri.BG			FD.AG	FW.BG	C.stor	H2O.cap
EMF.6.1714	EMF.6	6		Ri.BG	Soil.het	FD.AG	FD.BG	FW.BG		H2O.cap
EMF.6.1715	EMF.6	6		Ri.BG	Soil.het			FW.BG	C.stor	H2O.cap
EMF.6.1716	EMF.6	6		Ri.BG	Soil.het	FD.AG		FW.BG		H2O.cap
EMF.5.0001	EMF.5	5	Ri.AG	Ri.Plant	Soil.het			FW.AG		H2O.cap
EMF.5.0002	EMF.5	5	Ri.AG	Ri.Plant				FW.AG	C.stor	H2O.cap
EMF.5.0003	EMF.5	5	Ri.AG	Ri.Plant				FW.AG		H2O.cap
EMF.5.0004	EMF.5	5			Veg.str		FD.BG	FW.AG	C.stor	H2O.cap
EMF.5.0005	EMF.5	5	Ri.AG	Ri.Plant	Soil.het			FW.AG		Nut.ret
EMF.5.0006	EMF.5	5	Ri.AG	Ri.Plant	Soil.het			FW.AG	C.stor	
EMF.5.0007	EMF.5	5		Ri.Plant	Soil.het			FW.AG	C.stor	H2O.cap
EMF.5.0008	EMF.5	5	Ri.AG	Ri.Plant			FD.BG	FW.AG		H2O.cap
EMF.5.0009	EMF.5	5	Ri.AG	Ri.Plant				FW.AG		H2O.cap
EMF.5.0010	EMF.5	5	Ri.AG	Ri.Plant	Veg.str			FW.AG		H2O.cap
EMF.5.0011	EMF.5	5	Ri.AG	Ri.Plant				FW.AG	FW.BG	H2O.cap
EMF.5.0012	EMF.5	5	Ri.AG	Ri.Plant			FD.AG	FW.AG		H2O.cap
EMF.5.0013	EMF.5	5	Ri.AG	Ri.Plant	Soil.het	FD.AG			C.stor	
EMF.5.0014	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant			FW.AG		H2O.cap
EMF.5.0015	EMF.5	5	Ri.AG	Ri.Plant	Veg.str	Soil.het				Nut.ret
EMF.5.0016	EMF.5	5		Ri.Plant			FD.BG	FW.AG	C.stor	H2O.cap
EMF.5.0017	EMF.5	5	Ri.AG	Ri.Plant	Veg.str	Soil.het			C.stor	
EMF.5.0018	EMF.5	5			Veg.str		FD.BG	FW.AG		H2O.cap
EMF.5.0019	EMF.5	5			Veg.str		FD.AG	FD.BG	C.stor	H2O.cap
EMF.5.0020	EMF.5	5	Ri.AG					FW.AG	C.stor	H2O.cap
EMF.5.0021	EMF.5	5	Ri.AG		Veg.str			FW.AG		H2O.cap
EMF.5.0022	EMF.5	5		Ri.Plant				FW.AG	C.stor	H2O.cap
EMF.5.0023	EMF.5	5	Ri.AG		Veg.str		FD.BG			Nut.ret
EMF.5.0024	EMF.5	5	Ri.AG	Ri.Plant	Veg.str		FD.BG			Nut.ret
EMF.5.0025	EMF.5	5		Ri.Plant	Veg.str			FW.AG	C.stor	H2O.cap
EMF.5.0026	EMF.5	5	Ri.AG	Ri.Plant		Soil.het	FD.AG			Nut.ret
EMF.5.0027	EMF.5	5			Veg.str			FW.AG	C.stor	H2O.cap
EMF.5.0028	EMF.5	5		Ri.Plant	Veg.str		FD.BG		C.stor	H2O.cap
EMF.5.0029	EMF.5	5			Veg.str		FD.BG	FW.AG		H2O.cap
EMF.5.0030	EMF.5	5	Ri.AG		Veg.str		FD.BG			H2O.cap
EMF.5.0031	EMF.5	5	Ri.AG	Ri.Plant	Veg.str	Soil.het				Nut.ret
EMF.5.0032	EMF.5	5	Ri.AG		Veg.str		FD.BG		C.stor	H2O.cap
EMF.5.0033	EMF.5	5	Ri.AG	Ri.Plant	Veg.str		FD.BG			H2O.cap
EMF.5.0034	EMF.5	5			Veg.str		FD.AG	FD.BG		Nut.ret
EMF.5.0035	EMF.5	5			Veg.str		FD.BG		C.stor	H2O.cap
EMF.5.0036	EMF.5	5			Veg.str		FD.BG		C.stor	H2O.cap
EMF.5.0037	EMF.5	5			Veg.str		FD.BG			H2O.cap
EMF.5.0038	EMF.5	5	Ri.AG	Ri.Plant		Soil.het			C.stor	H2O.cap
EMF.5.0039	EMF.5	5		Ri.Plant	Veg.str		FD.BG	FW.AG		H2O.cap
EMF.5.0040	EMF.5	5					FD.BG	FW.AG	C.stor	H2O.cap
EMF.5.0041	EMF.5	5	Ri.AG					FW.AG		H2O.cap
EMF.5.0042	EMF.5	5		Ri.Plant	Veg.str		FD.BG			H2O.cap
EMF.5.0043	EMF.5	5	Ri.AG				FD.BG	FW.AG		H2O.cap
EMF.5.0044	EMF.5	5			Veg.str		FD.BG	FW.AG		Nut.ret
EMF.5.0045	EMF.5	5	Ri.AG	Ri.Plant		Soil.het		FW.AG		
EMF.5.0046	EMF.5	5	Ri.AG		Veg.str	Soil.het		FD.BG		Nut.ret
EMF.5.0047	EMF.5	5	Ri.AG		Veg.str		FD.BG	FW.AG		Nut.ret

EMF.5.0048	EMF.5	5		Ri.Plant	Veg.str			FW.AG		H2O.cap	
EMF.5.0049	EMF.5	5	Ri.AG			Soil.het		FW.AG		H2O.cap	
EMF.5.0050	EMF.5	5		Ri.Plant		Soil.het		FW.AG		H2O.cap	
EMF.5.0051	EMF.5	5	Ri.AG		Ri.Plant		Soil.het			C.stor	Nut.ret
EMF.5.0052	EMF.5	5			Veg.str	Soil.het		FD.BG		C.stor	H2O.cap
EMF.5.0053	EMF.5	5	Ri.AG		Ri.Plant		Soil.het			C.stor	
EMF.5.0054	EMF.5	5	Ri.AG			Veg.str		FD.BG	FW.AG		H2O.cap
EMF.5.0055	EMF.5	5	Ri.AG			Veg.str		FD.AG	FD.BG		Nut.ret
EMF.5.0056	EMF.5	5				Veg.str		FD.AG	FD.BG		H2O.cap
EMF.5.0057	EMF.5	5			Ri.Plant			FD.BG	FW.AG		H2O.cap
EMF.5.0058	EMF.5	5		Ri.BG		Veg.str		FD.BG			Nut.ret
EMF.5.0059	EMF.5	5			Ri.Plant	Veg.str	Soil.het	FD.BG			Nut.ret
EMF.5.0060	EMF.5	5	Ri.AG			Ri.Plant		Soil.het			Nut.ret
EMF.5.0061	EMF.5	5					Soil.het		FW.AG	C.stor	H2O.cap
EMF.5.0062	EMF.5	5			Ri.Plant			FW.AG		H2O.cap	Nut.ret
EMF.5.0063	EMF.5	5	Ri.AG			Ri.Plant		FW.AG			Nut.ret
EMF.5.0064	EMF.5	5				Veg.str	Soil.het	FD.BG			Nut.ret
EMF.5.0065	EMF.5	5	Ri.AG				Veg.str		FW.AG	C.stor	H2O.cap
EMF.5.0066	EMF.5	5	Ri.AG	Ri.BG		Ri.Plant		Soil.het			Nut.ret
EMF.5.0067	EMF.5	5				Veg.str	Soil.het	FD.BG		C.stor	Nut.ret
EMF.5.0068	EMF.5	5	Ri.AG			Ri.Plant		Soil.het	FD.AG		H2O.cap
EMF.5.0069	EMF.5	5	Ri.AG					FW.AG	FW.BG		H2O.cap
EMF.5.0070	EMF.5	5				Ri.Plant		FD.AG	FW.AG	C.stor	H2O.cap
EMF.5.0071	EMF.5	5				Ri.Plant		Soil.het	FW.AG		H2O.cap
EMF.5.0072	EMF.5	5				Ri.Plant		FD.BG	FW.AG		H2O.cap
EMF.5.0073	EMF.5	5					Veg.str	Soil.het		FW.AG	C.stor
EMF.5.0074	EMF.5	5	Ri.AG	Ri.BG					FW.AG		H2O.cap
EMF.5.0075	EMF.5	5					Veg.str		FW.AG		H2O.cap
EMF.5.0076	EMF.5	5		Ri.BG			Veg.str	FD.BG			H2O.cap
EMF.5.0077	EMF.5	5	Ri.AG				Veg.str	FD.BG		C.stor	Nut.ret
EMF.5.0078	EMF.5	5		Ri.BG		Ri.Plant		FW.AG		C.stor	H2O.cap
EMF.5.0079	EMF.5	5				Ri.Plant		FW.AG		C.stor	H2O.cap
EMF.5.0080	EMF.5	5				Ri.Plant		FW.AG	FW.BG	C.stor	H2O.cap
EMF.5.0081	EMF.5	5	Ri.AG	Ri.BG		Ri.Plant		Soil.het		C.stor	
EMF.5.0082	EMF.5	5	Ri.AG					FD.AG	FW.AG		H2O.cap
EMF.5.0083	EMF.5	5					Veg.str	FD.AG	FD.BG	C.stor	Nut.ret
EMF.5.0084	EMF.5	5	Ri.AG			Ri.Plant	Veg.str	FD.AG			H2O.cap
EMF.5.0085	EMF.5	5				Ri.Plant	Veg.str	Soil.het	FW.AG		H2O.cap
EMF.5.0086	EMF.5	5	Ri.AG			Ri.Plant		Soil.het		FW.BG	C.stor
EMF.5.0087	EMF.5	5	Ri.AG			Ri.Plant			FD.BG	FW.AG	Nut.ret
EMF.5.0088	EMF.5	5	Ri.AG				Veg.str		FD.BG		H2O.cap
EMF.5.0089	EMF.5	5				Ri.Plant	Veg.str		FW.AG		H2O.cap
EMF.5.0090	EMF.5	5	Ri.AG			Ri.Plant		Soil.het			H2O.cap
EMF.5.0091	EMF.5	5					Veg.str		FD.BG	C.stor	Nut.ret
EMF.5.0092	EMF.5	5	Ri.AG			Ri.Plant		Soil.het		FW.BG	Nut.ret
EMF.5.0093	EMF.5	5	Ri.AG			Ri.Plant		Soil.het	FD.BG	C.stor	
EMF.5.0094	EMF.5	5				Ri.Plant	Veg.str	FD.AG	FD.BG		Nut.ret
EMF.5.0095	EMF.5	5	Ri.AG			Ri.Plant		Soil.het	FD.BG		Nut.ret
EMF.5.0096	EMF.5	5		Ri.BG		Ri.Plant			FW.AG		H2O.cap
EMF.5.0097	EMF.5	5				Ri.Plant	Veg.str	Soil.het		C.stor	H2O.cap
EMF.5.0098	EMF.5	5	Ri.AG	Ri.BG			Veg.str		FD.BG		Nut.ret
EMF.5.0099	EMF.5	5	Ri.AG					Soil.het	FW.AG		Nut.ret
EMF.5.0100	EMF.5	5				Ri.Plant	Veg.str		FD.BG		Nut.ret
EMF.5.0101	EMF.5	5	Ri.AG				Veg.str		FD.BG	FW.BG	Nut.ret
EMF.5.0102	EMF.5	5				Ri.Plant	Veg.str		FD.BG	FW.AG	Nut.ret
EMF.5.0103	EMF.5	5	Ri.AG			Ri.Plant		Soil.het			H2O.cap
EMF.5.0104	EMF.5	5	Ri.AG			Ri.Plant	Veg.str				H2O.cap
EMF.5.0105	EMF.5	5	Ri.AG			Ri.Plant	Veg.str	Soil.het			
EMF.5.0106	EMF.5	5		Ri.BG			Veg.str		FD.BG	C.stor	H2O.cap
EMF.5.0107	EMF.5	5					Veg.str		FD.BG	FW.BG	C.stor
EMF.5.0108	EMF.5	5	Ri.AG			Ri.Plant		FD.AG			H2O.cap
EMF.5.0109	EMF.5	5	Ri.AG			Ri.Plant		Soil.het	FW.AG	FW.BG	
EMF.5.0110	EMF.5	5	Ri.AG			Ri.Plant		FD.AG		C.stor	H2O.cap

EMF.5.0111	EMF.5	5	Ri.AG				FD.BG	FW.AG	C.stor	H2O.cap	
EMF.5.0112	EMF.5	5		Ri.Plant		FD.AG		FW.AG		H2O.cap	
EMF.5.0113	EMF.5	5		Ri.Plant	Soil.het			FW.AG	C.stor		Nut.ret
EMF.5.0114	EMF.5	5		Ri.Plant				FW.AG	FW.BG	H2O.cap	
EMF.5.0115	EMF.5	5			Veg.str	Soil.het	FD.BG			H2O.cap	Nut.ret
EMF.5.0116	EMF.5	5			Veg.str		FD.BG	FW.AG	C.stor		Nut.ret
EMF.5.0117	EMF.5	5	Ri.AG	Ri.Plant	Veg.str				C.stor	H2O.cap	
EMF.5.0118	EMF.5	5			Veg.str	Soil.het	FD.BG	FW.AG			Nut.ret
EMF.5.0119	EMF.5	5	Ri.AG	Ri.Plant	Veg.str	Soil.het		FW.AG			
EMF.5.0120	EMF.5	5	Ri.AG	Ri.Plant	Veg.str					H2O.cap	Nut.ret
EMF.5.0121	EMF.5	5		Ri.BG	Veg.str	Soil.het	FD.BG				Nut.ret
EMF.5.0122	EMF.5	5	Ri.AG	Ri.Plant	Veg.str			FW.AG			Nut.ret
EMF.5.0123	EMF.5	5		Ri.Plant	Veg.str	Soil.het		FW.AG	C.stor		
EMF.5.0124	EMF.5	5		Ri.Plant		Soil.het		FW.AG	C.stor		
EMF.5.0125	EMF.5	5			Veg.str		FD.BG		FW.BG	H2O.cap	Nut.ret
EMF.5.0126	EMF.5	5		Ri.Plant	Veg.str		FD.BG		C.stor		Nut.ret
EMF.5.0127	EMF.5	5		Ri.Plant	Veg.str	Soil.het		FW.AG			Nut.ret
EMF.5.0128	EMF.5	5			Veg.str		FD.BG		FW.BG		Nut.ret
EMF.5.0129	EMF.5	5	Ri.AG		Veg.str			FW.AG			Nut.ret
EMF.5.0130	EMF.5	5		Ri.BG	Ri.Plant	Veg.str	FD.BG				Nut.ret
EMF.5.0131	EMF.5	5	Ri.AG		Veg.str	Soil.het					Nut.ret
EMF.5.0132	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant			FW.AG			
EMF.5.0133	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant					H2O.cap	
EMF.5.0134	EMF.5	5		Ri.Plant		Soil.het		FW.AG			Nut.ret
EMF.5.0135	EMF.5	5		Ri.Plant		Soil.het	FD.BG	FW.AG		H2O.cap	
EMF.5.0136	EMF.5	5	Ri.AG	Ri.Plant		Soil.het	FD.AG				
EMF.5.0137	EMF.5	5			Veg.str	Soil.het		FW.AG		H2O.cap	
EMF.5.0138	EMF.5	5		Ri.Plant	Veg.str	Soil.het	FD.BG		C.stor		
EMF.5.0139	EMF.5	5	Ri.AG			Soil.het		FW.AG	C.stor		
EMF.5.0140	EMF.5	5	Ri.AG		Veg.str			FW.AG		H2O.cap	Nut.ret
EMF.5.0141	EMF.5	5					FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.5.0142	EMF.5	5		Ri.BG	Ri.Plant			FW.AG		H2O.cap	
EMF.5.0143	EMF.5	5	Ri.AG			Soil.het		FW.AG	C.stor	H2O.cap	
EMF.5.0144	EMF.5	5	Ri.AG		Ri.Plant	Veg.str	Soil.het			FW.BG	
EMF.5.0145	EMF.5	5	Ri.AG		Ri.Plant		Soil.het			FW.BG	H2O.cap
EMF.5.0146	EMF.5	5	Ri.AG		Ri.Plant		Soil.het	FD.BG	FW.AG		
EMF.5.0147	EMF.5	5	Ri.AG		Ri.Plant		Soil.het	FD.AG	FW.AG		
EMF.5.0148	EMF.5	5	Ri.AG		Ri.Plant		Soil.het	FD.BG		H2O.cap	
EMF.5.0149	EMF.5	5			Veg.str	Soil.het	FD.AG	FD.BG			Nut.ret
EMF.5.0150	EMF.5	5		Ri.BG		Veg.str		FD.BG	FW.AG		Nut.ret
EMF.5.0151	EMF.5	5		Ri.Plant	Veg.str			FD.BG		H2O.cap	
EMF.5.0152	EMF.5	5		Ri.Plant	Veg.str	Soil.het			C.stor		Nut.ret
EMF.5.0153	EMF.5	5		Ri.BG	Ri.Plant			FD.BG	FW.AG	H2O.cap	
EMF.5.0154	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		Soil.het				
EMF.5.0155	EMF.5	5					FD.AG		FW.AG	C.stor	H2O.cap
EMF.5.0156	EMF.5	5		Ri.Plant	Veg.str	Soil.het	FD.AG			C.stor	
EMF.5.0157	EMF.5	5	Ri.AG		Ri.Plant			FW.AG	FW.BG		Nut.ret
EMF.5.0158	EMF.5	5	Ri.AG		Ri.Plant	Veg.str			FW.BG	H2O.cap	
EMF.5.0159	EMF.5	5		Ri.BG		Veg.str			FW.AG	H2O.cap	
EMF.5.0160	EMF.5	5		Ri.BG		Veg.str	FD.AG	FD.BG			Nut.ret
EMF.5.0161	EMF.5	5		Ri.Plant	Veg.str			FW.AG	FW.BG	H2O.cap	
EMF.5.0162	EMF.5	5		Ri.Plant	Veg.str		FD.AG		FW.AG	H2O.cap	
EMF.5.0163	EMF.5	5		Ri.BG	Ri.Plant	Veg.str			FW.AG	H2O.cap	
EMF.5.0164	EMF.5	5		Ri.Plant		Soil.het	FD.AG		FW.AG	H2O.cap	
EMF.5.0165	EMF.5	5	Ri.AG		Ri.Plant	Veg.str		FD.AG			Nut.ret
EMF.5.0166	EMF.5	5	Ri.AG		Ri.Plant			FD.AG	FD.BG	H2O.cap	
EMF.5.0167	EMF.5	5			Veg.str			FW.AG	FW.BG	H2O.cap	
EMF.5.0168	EMF.5	5			Veg.str	Soil.het		FW.AG			Nut.ret
EMF.5.0169	EMF.5	5						FW.AG	C.stor	H2O.cap	Nut.ret
EMF.5.0170	EMF.5	5	Ri.AG		Ri.Plant			FD.AG		H2O.cap	Nut.ret
EMF.5.0171	EMF.5	5		Ri.BG					FW.AG	C.stor	H2O.cap
EMF.5.0172	EMF.5	5			Veg.str		FD.AG	FD.BG		FW.BG	Nut.ret
EMF.5.0173	EMF.5	5		Ri.Plant		Soil.het		FW.AG	FW.BG	H2O.cap	

EMF.5.0174	EMF.5	5			Veg.str		FD.AG		FW.AG			H2O.cap
EMF.5.0175	EMF.5	5							FW.AG	FW.BG	C.stor	H2O.cap
EMF.5.0176	EMF.5	5	Ri.AG		Ri.Plant	Veg.str	Soil.het	FD.AG				
EMF.5.0177	EMF.5	5	Ri.AG						FD.BG	FW.AG		Nut.ret
EMF.5.0178	EMF.5	5	Ri.AG		Ri.Plant			FD.AG				Nut.ret
EMF.5.0179	EMF.5	5			Ri.Plant	Veg.str			FD.BG		FW.BG	Nut.ret
EMF.5.0180	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	Veg.str						H2O.cap
EMF.5.0181	EMF.5	5				Veg.str		FD.AG	FD.BG	FW.AG		Nut.ret
EMF.5.0182	EMF.5	5	Ri.AG		Ri.Plant	Veg.str	Soil.het		FD.BG			
EMF.5.0183	EMF.5	5			Ri.Plant				FD.BG	FW.AG	FW.BG	H2O.cap
EMF.5.0184	EMF.5	5			Ri.Plant			FD.AG	FD.BG	FW.AG		H2O.cap
EMF.5.0185	EMF.5	5			Ri.Plant	Veg.str		FD.AG	FD.BG			H2O.cap
EMF.5.0186	EMF.5	5	Ri.AG		Ri.Plant			FD.AG		FW.AG		Nut.ret
EMF.5.0187	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	Veg.str	Soil.het					
EMF.5.0188	EMF.5	5	Ri.AG		Ri.Plant			FD.AG			FW.BG	H2O.cap
EMF.5.0189	EMF.5	5		Ri.BG		Veg.str			FD.BG		C.stor	Nut.ret
EMF.5.0190	EMF.5	5	Ri.AG		Ri.Plant	Veg.str						Nut.ret
EMF.5.0191	EMF.5	5				Veg.str			FD.BG	FW.AG	FW.BG	Nut.ret
EMF.5.0192	EMF.5	5	Ri.AG			Veg.str	Soil.het					C.stor
EMF.5.0193	EMF.5	5				Veg.str		FD.AG	FD.BG			H2O.cap
EMF.5.0194	EMF.5	5	Ri.AG		Ri.Plant		Soil.het	FD.AG			FW.BG	
EMF.5.0195	EMF.5	5	Ri.AG		Ri.Plant					FW.AG	C.stor	Nut.ret
EMF.5.0196	EMF.5	5		Ri.BG	Ri.Plant					FW.AG		H2O.cap
EMF.5.0197	EMF.5	5	Ri.AG		Ri.Plant		Soil.het				FW.BG	
EMF.5.0198	EMF.5	5			Ri.Plant			FD.AG		FW.AG		H2O.cap
EMF.5.0199	EMF.5	5			Ri.Plant					FW.AG	FW.BG	H2O.cap
EMF.5.0200	EMF.5	5	Ri.AG			Veg.str	Soil.het		FD.BG		C.stor	
EMF.5.0201	EMF.5	5				Veg.str	Soil.het		FD.BG		FW.BG	Nut.ret
EMF.5.0202	EMF.5	5			Ri.Plant	Veg.str	Soil.het					Nut.ret
EMF.5.0203	EMF.5	5			Ri.Plant	Veg.str		FD.AG			C.stor	H2O.cap
EMF.5.0204	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant					FW.AG		Nut.ret
EMF.5.0205	EMF.5	5		Ri.BG		Veg.str			FD.BG			H2O.cap
EMF.5.0206	EMF.5	5			Ri.Plant	Veg.str	Soil.het		FD.BG			H2O.cap
EMF.5.0207	EMF.5	5	Ri.AG		Ri.Plant			FD.AG	FD.BG			Nut.ret
EMF.5.0208	EMF.5	5	Ri.AG			Veg.str	Soil.het			FW.AG		Nut.ret
EMF.5.0209	EMF.5	5			Ri.Plant	Veg.str	Soil.het				C.stor	
EMF.5.0210	EMF.5	5				Veg.str			FD.BG		FW.BG	C.stor
EMF.5.0211	EMF.5	5		Ri.BG		Veg.str			FD.BG	FW.AG		H2O.cap
EMF.5.0212	EMF.5	5				Veg.str	Soil.het		FD.BG		C.stor	
EMF.5.0213	EMF.5	5		Ri.BG		Veg.str				FW.AG	C.stor	H2O.cap
EMF.5.0214	EMF.5	5		Ri.BG	Ri.Plant	Veg.str			FD.BG			H2O.cap
EMF.5.0215	EMF.5	5				Veg.str		FD.AG	FD.BG	FW.AG		H2O.cap
EMF.5.0216	EMF.5	5	Ri.AG			Veg.str	Soil.het			FW.AG		H2O.cap
EMF.5.0217	EMF.5	5		Ri.BG					FD.BG	FW.AG		H2O.cap
EMF.5.0218	EMF.5	5			Ri.Plant		Soil.het	FD.AG			C.stor	H2O.cap
EMF.5.0219	EMF.5	5	Ri.AG			Veg.str		FD.AG				Nut.ret
EMF.5.0220	EMF.5	5		Ri.BG	Ri.Plant		Soil.het			FW.AG		Nut.ret
EMF.5.0221	EMF.5	5				Veg.str				FW.AG	C.stor	H2O.cap
EMF.5.0222	EMF.5	5				Veg.str			FD.BG	FW.AG	FW.BG	H2O.cap
EMF.5.0223	EMF.5	5	Ri.AG		Ri.Plant		Soil.het		FD.BG			
EMF.5.0224	EMF.5	5	Ri.AG			Veg.str				FW.AG	FW.BG	H2O.cap
EMF.5.0225	EMF.5	5				Veg.str	Soil.het		FD.BG	FW.AG		H2O.cap
EMF.5.0226	EMF.5	5			Ri.Plant		Soil.het		FD.BG	FW.AG	C.stor	
EMF.5.0227	EMF.5	5			Ri.Plant	Veg.str	Soil.het					H2O.cap
EMF.5.0228	EMF.5	5			Ri.Plant	Veg.str	Soil.het	FD.AG				Nut.ret
EMF.5.0229	EMF.5	5				Veg.str	Soil.het			FW.AG	C.stor	
EMF.5.0230	EMF.5	5			Ri.Plant		Soil.het		FD.BG	FW.AG		Nut.ret
EMF.5.0231	EMF.5	5	Ri.AG			Veg.str		FD.AG				H2O.cap
EMF.5.0232	EMF.5	5		Ri.BG		Veg.str			FD.BG		FW.BG	Nut.ret
EMF.5.0233	EMF.5	5			Ri.Plant		Soil.het	FD.AG		FW.AG	C.stor	
EMF.5.0234	EMF.5	5				Veg.str				FW.AG	FW.BG	C.stor
EMF.5.0235	EMF.5	5				Veg.str		FD.AG		FW.AG	C.stor	H2O.cap
EMF.5.0236	EMF.5	5		Ri.BG	Ri.Plant		Soil.het			FW.AG	C.stor	

EMF.5.0237	EMF.5	5	Ri.AG	Ri.Plant		FD.AG		FW.BG		Nut.ret
EMF.5.0238	EMF.5	5		Ri.Plant	Veg.str		FD.BG	FW.BG		H2O.cap
EMF.5.0239	EMF.5	5	Ri.AG		Veg.str	FD.AG	FD.BG			H2O.cap
EMF.5.0240	EMF.5	5	Ri.AG	Ri.Plant				FW.AG	C.stor	
EMF.5.0241	EMF.5	5	Ri.AG	Ri.Plant			FD.BG			H2O.cap
EMF.5.0242	EMF.5	5			Soil.het			FW.AG		H2O.cap Nut.ret
EMF.5.0243	EMF.5	5	Ri.AG	Ri.Plant			FD.BG		C.stor	H2O.cap
EMF.5.0244	EMF.5	5	Ri.AG		Veg.str	Soil.het				H2O.cap
EMF.5.0245	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		FD.AG			H2O.cap
EMF.5.0246	EMF.5	5		Ri.Plant		Soil.het		FW.AG	FW.BG	C.stor
EMF.5.0247	EMF.5	5	Ri.AG				FD.BG	FW.AG		H2O.cap Nut.ret
EMF.5.0248	EMF.5	5	Ri.AG	Ri.Plant			FD.BG			H2O.cap Nut.ret
EMF.5.0249	EMF.5	5	Ri.AG	Ri.Plant	Veg.str				FW.BG	Nut.ret
EMF.5.0250	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		Soil.het	FD.AG		
EMF.5.0251	EMF.5	5		Ri.BG	Ri.Plant	Veg.str	Soil.het			Nut.ret
EMF.5.0252	EMF.5	5	Ri.AG		Veg.str					H2O.cap Nut.ret
EMF.5.0253	EMF.5	5			Veg.str		FD.AG		C.stor	H2O.cap
EMF.5.0254	EMF.5	5			Soil.het		FD.BG	FW.AG	C.stor	H2O.cap
EMF.5.0255	EMF.5	5			Veg.str	Soil.het		FD.BG		H2O.cap
EMF.5.0256	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FW.BG	
EMF.5.0257	EMF.5	5	Ri.AG		Veg.str		FD.AG		FW.AG	H2O.cap
EMF.5.0258	EMF.5	5	Ri.AG		Veg.str			FD.BG	FW.BG	H2O.cap
EMF.5.0259	EMF.5	5	Ri.AG	Ri.BG	Veg.str				FW.AG	H2O.cap
EMF.5.0260	EMF.5	5		Ri.BG	Ri.Plant		FD.AG		FW.AG	H2O.cap
EMF.5.0261	EMF.5	5			Veg.str			FD.BG		FW.BG
EMF.5.0262	EMF.5	5	Ri.AG		Veg.str					C.stor
EMF.5.0263	EMF.5	5	Ri.AG		Veg.str	Soil.het		FD.BG		H2O.cap
EMF.5.0264	EMF.5	5		Ri.BG	Ri.Plant			FW.AG	FW.BG	H2O.cap
EMF.5.0265	EMF.5	5	Ri.AG	Ri.BG	Veg.str			FD.BG		H2O.cap
EMF.5.0266	EMF.5	5		Ri.Plant		FD.AG		FW.AG	FW.BG	H2O.cap
EMF.5.0267	EMF.5	5	Ri.AG	Ri.Plant	Veg.str			FD.BG		C.stor
EMF.5.0268	EMF.5	5		Ri.BG					FW.AG	H2O.cap Nut.ret
EMF.5.0269	EMF.5	5	Ri.AG		Veg.str	Soil.het			FW.AG	C.stor
EMF.5.0270	EMF.5	5	Ri.AG		Veg.str			FD.BG		C.stor
EMF.5.0271	EMF.5	5	Ri.AG		Veg.str	Soil.het				C.stor
EMF.5.0272	EMF.5	5		Ri.Plant	Veg.str	Soil.het				H2O.cap
EMF.5.0273	EMF.5	5	Ri.AG					FW.AG	FW.BG	Nut.ret
EMF.5.0274	EMF.5	5	Ri.AG	Ri.Plant		Soil.het	FD.AG	FD.BG		
EMF.5.0275	EMF.5	5			Veg.str	Soil.het				C.stor
EMF.5.0276	EMF.5	5		Ri.Plant		Soil.het			FW.AG	FW.BG
EMF.5.0277	EMF.5	5		Ri.BG	Ri.Plant	Veg.str	Soil.het			C.stor
EMF.5.0278	EMF.5	5			Soil.het			FD.BG	FW.AG	H2O.cap
EMF.5.0279	EMF.5	5					FD.AG	FD.BG	FW.AG	H2O.cap
EMF.5.0280	EMF.5	5	Ri.AG	Ri.Plant						C.stor
EMF.5.0281	EMF.5	5		Ri.Plant	Veg.str	Soil.het			FW.BG	C.stor
EMF.5.0282	EMF.5	5		Ri.Plant	Veg.str	Soil.het			FW.BG	Nut.ret
EMF.5.0283	EMF.5	5		Ri.Plant	Veg.str		FD.AG			H2O.cap
EMF.5.0284	EMF.5	5						FD.BG	FW.AG	FW.BG
EMF.5.0285	EMF.5	5	Ri.AG	Ri.Plant						H2O.cap Nut.ret
EMF.5.0286	EMF.5	5	Ri.AG	Ri.Plant	Veg.str					C.stor
EMF.5.0287	EMF.5	5		Ri.Plant				FD.BG	FW.AG	Nut.ret
EMF.5.0288	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		Soil.het		FD.BG	
EMF.5.0289	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	Veg.str				Nut.ret
EMF.5.0290	EMF.5	5		Ri.Plant		Soil.het	FD.AG		FW.AG	Nut.ret
EMF.5.0291	EMF.5	5	Ri.AG						FW.AG	FW.BG
EMF.5.0292	EMF.5	5	Ri.AG	Ri.Plant		Soil.het		FD.BG		C.stor
EMF.5.0293	EMF.5	5	Ri.AG	Ri.BG					FW.AG	FW.BG
EMF.5.0294	EMF.5	5		Ri.Plant	Veg.str				FW.AG	C.stor
EMF.5.0295	EMF.5	5		Ri.Plant		Soil.het	FD.AG			C.stor
EMF.5.0296	EMF.5	5	Ri.AG		Veg.str	Soil.het			FW.AG	
EMF.5.0297	EMF.5	5							FW.AG	FW.BG
EMF.5.0298	EMF.5	5	Ri.AG	Ri.Plant				FD.BG		H2O.cap Nut.ret
EMF.5.0299	EMF.5	5					FD.AG		FW.AG	H2O.cap Nut.ret



EMF.5.0300	EMF.5	5				FD.BG	FW.AG	C.stor	H2O.cap	Nut.ret
EMF.5.0301	EMF.5	5		Veg.str	Soil.het	FD.BG	FW.AG	C.stor		
EMF.5.0302	EMF.5	5	Ri.AG	Ri.Plant	Veg.str		FW.AG			
EMF.5.0303	EMF.5	5		Veg.str	Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.5.0304	EMF.5	5	Ri.AG		Veg.str	Soil.het		C.stor		Nut.ret
EMF.5.0305	EMF.5	5	Ri.BG			Soil.het	FW.AG		H2O.cap	
EMF.5.0306	EMF.5	5	Ri.AG			FD.AG	FW.AG			Nut.ret
EMF.5.0307	EMF.5	5	Ri.AG				FW.AG	C.stor		Nut.ret
EMF.5.0308	EMF.5	5	Ri.AG				FW.AG	C.stor	H2O.cap	Nut.ret
EMF.5.0309	EMF.5	5		Ri.Plant	Veg.str			C.stor	H2O.cap	
EMF.5.0310	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant				H2O.cap	
EMF.5.0311	EMF.5	5	Ri.AG		Ri.Plant		FW.AG	FW.BG		
EMF.5.0312	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	FD.BG			H2O.cap	
EMF.5.0313	EMF.5	5	Ri.AG		Ri.Plant			FW.BG	H2O.cap	
EMF.5.0314	EMF.5	5	Ri.AG	Ri.BG			FW.AG			Nut.ret
EMF.5.0315	EMF.5	5	Ri.AG			FD.AG	FW.AG	C.stor	H2O.cap	
EMF.5.0316	EMF.5	5	Ri.AG	Ri.Plant		FD.BG	FW.AG			
EMF.5.0317	EMF.5	5		Ri.Plant	Veg.str	FD.AG			H2O.cap	Nut.ret
EMF.5.0318	EMF.5	5			Veg.str	Soil.het	FD.AG		C.stor	
EMF.5.0319	EMF.5	5			Veg.str	Soil.het	FD.AG	FD.BG	C.stor	
EMF.5.0320	EMF.5	5	Ri.AG	Ri.Plant	Veg.str	FD.BG				
EMF.5.0321	EMF.5	5			Veg.str	Soil.het		C.stor		Nut.ret
EMF.5.0322	EMF.5	5				FD.BG	FW.AG	FW.BG	C.stor	H2O.cap
EMF.5.0323	EMF.5	5	Ri.BG			FD.BG	FW.AG		C.stor	H2O.cap
EMF.5.0324	EMF.5	5			Veg.str	Soil.het	FD.AG			Nut.ret
EMF.5.0325	EMF.5	5	Ri.AG	Ri.Plant		FD.AG			C.stor	
EMF.5.0326	EMF.5	5	Ri.AG	Ri.Plant			FD.BG	FW.BG	H2O.cap	
EMF.5.0327	EMF.5	5				FD.AG	FD.BG	FW.AG	C.stor	H2O.cap
EMF.5.0328	EMF.5	5			Veg.str	FD.AG	FD.BG		C.stor	
EMF.5.0329	EMF.5	5	Ri.AG		Veg.str			FW.BG	H2O.cap	
EMF.5.0330	EMF.5	5	Ri.AG		Veg.str	Soil.het		FW.BG		Nut.ret
EMF.5.0331	EMF.5	5		Ri.Plant	Veg.str	Soil.het	FD.AG		H2O.cap	
EMF.5.0332	EMF.5	5			Veg.str	Soil.het		FW.AG	C.stor	Nut.ret
EMF.5.0333	EMF.5	5	Ri.AG	Ri.Plant		FD.AG	FW.AG			
EMF.5.0334	EMF.5	5		Ri.Plant		FD.AG	FD.BG		C.stor	H2O.cap
EMF.5.0335	EMF.5	5	Ri.AG	Ri.Plant			FD.BG	FW.AG	C.stor	
EMF.5.0336	EMF.5	5		Ri.Plant	Veg.str				H2O.cap	Nut.ret
EMF.5.0337	EMF.5	5	Ri.AG	Ri.Plant		FD.AG			C.stor	Nut.ret
EMF.5.0338	EMF.5	5	Ri.AG		Veg.str			FW.BG		Nut.ret
EMF.5.0339	EMF.5	5		Ri.Plant		Soil.het	FD.AG		C.stor	Nut.ret
EMF.5.0340	EMF.5	5				Soil.het		FW.AG	C.stor	Nut.ret
EMF.5.0341	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		FW.AG			
EMF.5.0342	EMF.5	5	Ri.AG	Ri.BG		Veg.str			H2O.cap	
EMF.5.0343	EMF.5	5	Ri.AG	Ri.Plant	Veg.str	FD.AG				
EMF.5.0344	EMF.5	5				Soil.het	FD.AG	FW.AG		H2O.cap
EMF.5.0345	EMF.5	5			Veg.str		FD.AG		H2O.cap	Nut.ret
EMF.5.0346	EMF.5	5	Ri.BG			FD.AG	FW.AG		H2O.cap	
EMF.5.0347	EMF.5	5	Ri.AG	Ri.Plant	Veg.str		FW.AG		C.stor	
EMF.5.0348	EMF.5	5				Soil.het		FW.AG	FW.BG	H2O.cap
EMF.5.0349	EMF.5	5	Ri.BG				FW.AG	FW.BG	H2O.cap	
EMF.5.0350	EMF.5	5	Ri.AG		Veg.str	Soil.het	FD.BG			
EMF.5.0351	EMF.5	5	Ri.BG	Ri.Plant	Veg.str	Soil.het			H2O.cap	
EMF.5.0352	EMF.5	5	Ri.AG	Ri.Plant	Veg.str				C.stor	
EMF.5.0353	EMF.5	5	Ri.AG	Ri.Plant					C.stor	H2O.cap
EMF.5.0354	EMF.5	5			Veg.str		FD.BG	FW.AG	C.stor	
EMF.5.0355	EMF.5	5		Ri.Plant	Veg.str		FD.AG			Nut.ret
EMF.5.0356	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		FD.AG			Nut.ret
EMF.5.0357	EMF.5	5	Ri.AG	Ri.Plant				FW.BG	C.stor	H2O.cap
EMF.5.0358	EMF.5	5			Veg.str			FW.AG	FW.BG	H2O.cap
EMF.5.0359	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant				C.stor	H2O.cap
EMF.5.0360	EMF.5	5	Ri.AG		Veg.str			FW.AG	C.stor	
EMF.5.0361	EMF.5	5	Ri.AG	Ri.Plant				FW.BG	H2O.cap	Nut.ret
EMF.5.0362	EMF.5	5	Ri.AG		Veg.str	Soil.het			H2O.cap	Nut.ret

EMF.5.0363	EMF.5	5	Ri.AG			Soil.het			FW.AG		H2O.cap	Nut.ret
EMF.5.0364	EMF.5	5		Ri.BG	Veg.str	Soil.het						Nut.ret
EMF.5.0365	EMF.5	5	Ri.AG		Ri.Plant			FD.AG		FW.BG		
EMF.5.0366	EMF.5	5			Veg.str				FW.AG		C.stor	Nut.ret
EMF.5.0367	EMF.5	5			Veg.str	Soil.het					H2O.cap	Nut.ret
EMF.5.0368	EMF.5	5	Ri.AG		Veg.str	Soil.het		FD.AG				Nut.ret
EMF.5.0369	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant				FD.BG			Nut.ret
EMF.5.0370	EMF.5	5	Ri.AG		Ri.Plant	Veg.str		FD.AG			C.stor	
EMF.5.0371	EMF.5	5	Ri.AG			Veg.str		FD.AG			C.stor	H2O.cap
EMF.5.0372	EMF.5	5			Ri.Plant	Veg.str	Soil.het			FW.BG		H2O.cap
EMF.5.0373	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant							H2O.cap
EMF.5.0374	EMF.5	5	Ri.AG			Veg.str					C.stor	Nut.ret
EMF.5.0375	EMF.5	5						FD.AG	FW.AG	FW.BG		H2O.cap
EMF.5.0376	EMF.5	5			Veg.str			FD.AG	FW.AG			Nut.ret
EMF.5.0377	EMF.5	5			Ri.Plant	Veg.str					C.stor	H2O.cap
EMF.5.0378	EMF.5	5	Ri.AG	Ri.BG		Veg.str						Nut.ret
EMF.5.0379	EMF.5	5		Ri.BG			Soil.het		FW.AG			Nut.ret
EMF.5.0380	EMF.5	5			Veg.str				FW.AG	FW.BG		Nut.ret
EMF.5.0381	EMF.5	5			Veg.str			FD.AG	FW.AG			H2O.cap
EMF.5.0382	EMF.5	5					Soil.het		FD.BG	FW.AG		Nut.ret
EMF.5.0383	EMF.5	5		Ri.BG	Veg.str				FW.AG			H2O.cap
EMF.5.0384	EMF.5	5	Ri.AG		Ri.Plant				FW.AG	FW.BG	C.stor	
EMF.5.0385	EMF.5	5	Ri.AG		Ri.Plant			FD.BG		FW.BG		Nut.ret
EMF.5.0386	EMF.5	5	Ri.AG		Ri.Plant			FD.BG			C.stor	Nut.ret
EMF.5.0387	EMF.5	5			Veg.str	Soil.het	FD.AG				C.stor	H2O.cap
EMF.5.0388	EMF.5	5	Ri.AG		Veg.str				FW.AG	FW.BG		Nut.ret
EMF.5.0389	EMF.5	5			Ri.Plant		FD.AG				C.stor	H2O.cap
EMF.5.0390	EMF.5	5	Ri.AG		Ri.Plant		FD.AG		FW.AG		C.stor	
EMF.5.0391	EMF.5	5		Ri.BG				FD.BG	FW.AG			Nut.ret
EMF.5.0392	EMF.5	5		Ri.BG	Ri.Plant	Veg.str					C.stor	H2O.cap
EMF.5.0393	EMF.5	5	Ri.AG		Veg.str	Soil.het				FW.BG		
EMF.5.0394	EMF.5	5		Ri.BG	Veg.str				FW.AG			Nut.ret
EMF.5.0395	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant				FW.AG		C.stor	
EMF.5.0396	EMF.5	5	Ri.AG		Veg.str	Soil.het	FD.AG				C.stor	
EMF.5.0397	EMF.5	5		Ri.BG	Veg.str	Soil.het		FD.BG			C.stor	
EMF.5.0398	EMF.5	5			Ri.Plant		Soil.het	FD.AG	FD.BG		C.stor	
EMF.5.0399	EMF.5	5	Ri.AG		Veg.str			FD.BG	FW.AG			
EMF.5.0400	EMF.5	5			Ri.Plant	Veg.str				FW.BG	C.stor	H2O.cap
EMF.5.0401	EMF.5	5	Ri.AG		Ri.Plant	Veg.str				FW.BG		
EMF.5.0402	EMF.5	5	Ri.AG					FD.AG	FD.BG	FW.AG		H2O.cap
EMF.5.0403	EMF.5	5			Veg.str	Soil.het		FD.BG		FW.BG	C.stor	
EMF.5.0404	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant					FW.BG		H2O.cap
EMF.5.0405	EMF.5	5	Ri.AG						FW.AG	FW.BG		H2O.cap
EMF.5.0406	EMF.5	5			Ri.Plant	Veg.str		FD.BG			C.stor	
EMF.5.0407	EMF.5	5		Ri.BG	Ri.Plant	Veg.str						H2O.cap
EMF.5.0408	EMF.5	5	Ri.AG		Veg.str	Soil.het				FW.BG	C.stor	
EMF.5.0409	EMF.5	5	Ri.AG		Ri.Plant					FW.BG		Nut.ret
EMF.5.0410	EMF.5	5	Ri.AG					FD.BG	FW.AG	FW.BG		H2O.cap
EMF.5.0411	EMF.5	5	Ri.AG		Ri.Plant			FD.AG	FD.BG		C.stor	
EMF.5.0412	EMF.5	5			Ri.Plant		Soil.het	FD.AG				Nut.ret
EMF.5.0413	EMF.5	5	Ri.AG				Soil.het		FW.AG	FW.BG		
EMF.5.0414	EMF.5	5	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.AG			
EMF.5.0415	EMF.5	5			Veg.str	Soil.het				FW.BG		Nut.ret
EMF.5.0416	EMF.5	5			Ri.Plant	Veg.str				FW.BG		H2O.cap
EMF.5.0417	EMF.5	5			Ri.Plant			FD.BG	FW.AG		C.stor	Nut.ret
EMF.5.0418	EMF.5	5	Ri.AG		Veg.str		FD.AG	FD.BG			C.stor	
EMF.5.0419	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant							Nut.ret
EMF.5.0420	EMF.5	5	Ri.AG		Veg.str	Soil.het	FD.AG					
EMF.5.0421	EMF.5	5	Ri.AG		Veg.str			FD.BG	FW.AG		C.stor	
EMF.5.0422	EMF.5	5			Ri.Plant		Soil.het	FD.BG			C.stor	H2O.cap
EMF.5.0423	EMF.5	5	Ri.AG	Ri.BG	Veg.str	Soil.het						Nut.ret
EMF.5.0424	EMF.5	5	Ri.AG		Ri.Plant			FD.AG	FD.BG			
EMF.5.0425	EMF.5	5			Ri.Plant	Veg.str		FD.AG	FD.BG		C.stor	

EMF.5.0426	EMF.5	5	Ri.AG	Ri.Plant					C.stor	Nut.ret
EMF.5.0427	EMF.5	5		Ri.Plant			FW.AG		C.stor	Nut.ret
EMF.5.0428	EMF.5	5		Ri.Plant		FD.AG	FW.AG			Nut.ret
EMF.5.0429	EMF.5	5	Ri.AG		Soil.het		FD.BG	FW.AG		H2O.cap
EMF.5.0430	EMF.5	5		Ri.Plant	Soil.het				C.stor	H2O.cap
EMF.5.0431	EMF.5	5	Ri.AG	Ri.BG	Soil.het			FW.AG		
EMF.5.0432	EMF.5	5		Ri.Plant	Soil.het	FD.AG		FW.BG	C.stor	
EMF.5.0433	EMF.5	5	Ri.AG		Ri.Plant	FD.AG		FW.BG	C.stor	
EMF.5.0434	EMF.5	5	Ri.AG	Ri.BG			FD.BG	FW.AG		H2O.cap
EMF.5.0435	EMF.5	5		Ri.BG	Ri.Plant			FW.AG		Nut.ret
EMF.5.0436	EMF.5	5	Ri.AG		Veg.str	FD.AG			C.stor	
EMF.5.0437	EMF.5	5		Ri.BG	Veg.str	FD.AG	FD.BG			H2O.cap
EMF.5.0438	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	Veg.str				
EMF.5.0439	EMF.5	5	Ri.AG		Ri.Plant	Veg.str		FD.BG	FW.BG	
EMF.5.0440	EMF.5	5	Ri.AG	Ri.BG	Veg.str	Soil.het				
EMF.5.0441	EMF.5	5		Ri.BG	Ri.Plant			FD.BG	FW.AG	Nut.ret
EMF.5.0442	EMF.5	5		Ri.Plant	Veg.str		FD.AG		FW.BG	H2O.cap
EMF.5.0443	EMF.5	5	Ri.AG					FD.BG	FW.AG	C.stor
EMF.5.0444	EMF.5	5		Ri.BG	Ri.Plant	Soil.het	FD.AG			C.stor
EMF.5.0445	EMF.5	5	Ri.AG				FD.AG	FW.AG		H2O.cap
EMF.5.0446	EMF.5	5	Ri.AG		Ri.Plant	Veg.str	FD.AG	FD.BG		Nut.ret
EMF.5.0447	EMF.5	5						FD.BG	FW.AG	C.stor
EMF.5.0448	EMF.5	5		Ri.Plant	Veg.str	Soil.het		FW.AG		Nut.ret
EMF.5.0449	EMF.5	5	Ri.AG			Soil.het		FW.AG	C.stor	Nut.ret
EMF.5.0450	EMF.5	5		Ri.Plant	Veg.str			FW.BG		H2O.cap
EMF.5.0451	EMF.5	5		Ri.BG	Ri.Plant	Veg.str				H2O.cap
EMF.5.0452	EMF.5	5	Ri.AG		Ri.Plant	Veg.str		FW.AG	FW.BG	Nut.ret
EMF.5.0453	EMF.5	5			Veg.str		FD.AG	FD.BG	FW.BG	H2O.cap
EMF.5.0454	EMF.5	5		Ri.Plant				FW.AG	FW.BG	Nut.ret
EMF.5.0455	EMF.5	5	Ri.AG		Veg.str		FD.AG	FD.BG		
EMF.5.0456	EMF.5	5			Veg.str		FD.AG		FW.BG	Nut.ret
EMF.5.0457	EMF.5	5		Ri.BG	Veg.str	Soil.het		FD.BG		H2O.cap
EMF.5.0458	EMF.5	5			Soil.het			FW.AG	C.stor	H2O.cap
EMF.5.0459	EMF.5	5	Ri.AG		Veg.str		FD.AG			H2O.cap
EMF.5.0460	EMF.5	5	Ri.AG	Ri.BG				FW.AG		H2O.cap
EMF.5.0461	EMF.5	5	Ri.AG		Veg.str		FD.AG		FW.BG	Nut.ret
EMF.5.0462	EMF.5	5		Ri.Plant	Veg.str			FW.AG	C.stor	Nut.ret
EMF.5.0463	EMF.5	5		Ri.BG	Veg.str			FD.BG	FW.BG	H2O.cap
EMF.5.0464	EMF.5	5		Ri.BG	Ri.Plant	Veg.str		FD.AG		H2O.cap
EMF.5.0465	EMF.5	5				Soil.het		FW.AG	FW.BG	C.stor
EMF.5.0466	EMF.5	5			Veg.str	Soil.het	FD.AG	FD.BG		H2O.cap
EMF.5.0467	EMF.5	5				Soil.het	FD.AG	FW.AG	C.stor	H2O.cap
EMF.5.0468	EMF.5	5	Ri.AG		Veg.str			FW.AG	C.stor	Nut.ret
EMF.5.0469	EMF.5	5		Ri.BG		Soil.het		FW.AG	C.stor	H2O.cap
EMF.5.0470	EMF.5	5		Ri.BG	Ri.Plant	Soil.het				Nut.ret
EMF.5.0471	EMF.5	5	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.BG
EMF.5.0472	EMF.5	5				Soil.het		FD.BG	FW.AG	C.stor
EMF.5.0473	EMF.5	5			Ri.Plant	Veg.str		FD.BG	FW.AG	C.stor
EMF.5.0474	EMF.5	5		Ri.BG	Ri.Plant	Soil.het			FW.AG	
EMF.5.0475	EMF.5	5	Ri.AG		Veg.str			FD.BG		FW.BG
EMF.5.0476	EMF.5	5	Ri.AG		Ri.Plant	Veg.str			FW.BG	C.stor
EMF.5.0477	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		FD.AG			
EMF.5.0478	EMF.5	5			Veg.str				C.stor	H2O.cap
EMF.5.0479	EMF.5	5		Ri.BG	Ri.Plant	Soil.het			C.stor	H2O.cap
EMF.5.0480	EMF.5	5		Ri.BG	Veg.str			FD.BG		C.stor
EMF.5.0481	EMF.5	5		Ri.BG	Veg.str	Soil.het				C.stor
EMF.5.0482	EMF.5	5	Ri.AG		Veg.str				FW.AG	FW.BG
EMF.5.0483	EMF.5	5	Ri.AG			Soil.het			FW.AG	FW.BG
EMF.5.0484	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	Veg.str		FD.BG		H2O.cap
EMF.5.0485	EMF.5	5			Ri.Plant		FD.AG	FD.BG	FW.AG	Nut.ret
EMF.5.0486	EMF.5	5	Ri.AG			Soil.het		FD.BG	FW.AG	
EMF.5.0487	EMF.5	5	Ri.AG		Ri.Plant			FD.BG		C.stor
EMF.5.0488	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	Veg.str			C.stor	

EMF.5.0489	EMF.5	5		Veg.str	Soil.het			FW.BG	C.stor		
EMF.5.0490	EMF.5	5		Veg.str		FD.AG			C.stor	Nut.ret	
EMF.5.0491	EMF.5	5	Ri.AG		Soil.het	FD.AG		FW.AG		H2O.cap	
EMF.5.0492	EMF.5	5		Ri.Plant	Veg.str			FW.AG	FW.BG		Nut.ret
EMF.5.0493	EMF.5	5		Veg.str	Soil.het	FD.AG				H2O.cap	
EMF.5.0494	EMF.5	5		Veg.str			FD.BG		FW.BG	C.stor	
EMF.5.0495	EMF.5	5	Ri.AG		Soil.het	FD.AG		FW.AG			
EMF.5.0496	EMF.5	5		Ri.Plant	Veg.str		FD.AG		FW.AG		Nut.ret
EMF.5.0497	EMF.5	5	Ri.AG	Ri.BG	Veg.str	Soil.het				C.stor	
EMF.5.0498	EMF.5	5	Ri.AG	Ri.BG	Veg.str			FD.BG			
EMF.5.0499	EMF.5	5		Ri.Plant			FD.BG	FW.AG	FW.BG		Nut.ret
EMF.5.0500	EMF.5	5		Veg.str	Soil.het		FD.BG		FW.BG		H2O.cap
EMF.5.0501	EMF.5	5	Ri.AG		Ri.Plant		FD.BG	FW.AG	FW.BG		
EMF.5.0502	EMF.5	5	Ri.AG	Ri.BG	Veg.str			FW.AG			Nut.ret
EMF.5.0503	EMF.5	5	Ri.AG		Veg.str			FD.BG		FW.BG	C.stor
EMF.5.0504	EMF.5	5		Veg.str	Soil.het	FD.AG		FW.AG			H2O.cap
EMF.5.0505	EMF.5	5		Veg.str	Soil.het			FW.AG	FW.BG		Nut.ret
EMF.5.0506	EMF.5	5			Soil.het			FW.AG	FW.BG		Nut.ret
EMF.5.0507	EMF.5	5	Ri.AG		Soil.het		FD.BG	FW.AG			Nut.ret
EMF.5.0508	EMF.5	5		Ri.BG	Soil.het			FW.AG		C.stor	
EMF.5.0509	EMF.5	5	Ri.AG		Veg.str				FW.BG		H2O.cap
EMF.5.0510	EMF.5	5		Ri.Plant	Soil.het	FD.AG					H2O.cap
EMF.5.0511	EMF.5	5		Ri.BG	Ri.Plant	Soil.het				C.stor	
EMF.5.0512	EMF.5	5		Veg.str	Soil.het					C.stor	H2O.cap
EMF.5.0513	EMF.5	5	Ri.AG		Veg.str					C.stor	H2O.cap
EMF.5.0514	EMF.5	5	Ri.AG		Veg.str		FD.AG		FW.AG		Nut.ret
EMF.5.0515	EMF.5	5		Ri.Plant	Soil.het					C.stor	Nut.ret
EMF.5.0516	EMF.5	5		Ri.BG	Ri.Plant	Soil.het		FD.BG			Nut.ret
EMF.5.0517	EMF.5	5		Ri.BG	Ri.Plant	Veg.str			FW.AG		Nut.ret
EMF.5.0518	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant	Veg.str			FW.AG		
EMF.5.0519	EMF.5	5	Ri.AG		Ri.Plant		FD.AG		FW.AG	FW.BG	
EMF.5.0520	EMF.5	5	Ri.AG	Ri.BG	Veg.str					C.stor	H2O.cap
EMF.5.0521	EMF.5	5		Veg.str		FD.AG			FW.BG		H2O.cap
EMF.5.0522	EMF.5	5		Veg.str					FW.BG	C.stor	H2O.cap
EMF.5.0523	EMF.5	5		Ri.BG	Veg.str					C.stor	H2O.cap
EMF.5.0524	EMF.5	5				FD.AG	FD.BG	FW.AG			Nut.ret
EMF.5.0525	EMF.5	5	Ri.AG		Veg.str				FW.BG	C.stor	H2O.cap
EMF.5.0526	EMF.5	5		Veg.str	Soil.het			FW.AG	FW.BG		H2O.cap
EMF.5.0527	EMF.5	5		Veg.str	Soil.het	FD.AG				C.stor	Nut.ret
EMF.5.0528	EMF.5	5	Ri.AG	Ri.BG	Veg.str			FD.BG		C.stor	
EMF.5.0529	EMF.5	5		Ri.Plant	Veg.str	Soil.het		FD.BG			
EMF.5.0530	EMF.5	5		Ri.Plant	Soil.het					C.stor	H2O.cap
EMF.5.0531	EMF.5	5	Ri.AG		Ri.Plant	Veg.str		FD.AG		FW.AG	
EMF.5.0532	EMF.5	5		Ri.Plant	Soil.het			FD.BG		C.stor	Nut.ret
EMF.5.0533	EMF.5	5			Soil.het	FD.AG		FW.AG			Nut.ret
EMF.5.0534	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant				FW.AG	FW.BG	
EMF.5.0535	EMF.5	5		Ri.Plant	Soil.het				FW.BG	C.stor	H2O.cap
EMF.5.0536	EMF.5	5		Ri.Plant		FD.AG	FD.BG				H2O.cap
EMF.5.0537	EMF.5	5					FD.BG	FW.AG	FW.BG		Nut.ret
EMF.5.0538	EMF.5	5	Ri.AG			FD.AG		FW.AG	FW.BG		H2O.cap
EMF.5.0539	EMF.5	5		Ri.Plant	Soil.het	FD.AG	FD.BG				Nut.ret
EMF.5.0540	EMF.5	5		Ri.BG	Ri.Plant	Veg.str	Soil.het				
EMF.5.0541	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant			FD.AG		C.stor	
EMF.5.0542	EMF.5	5	Ri.AG						FW.AG	FW.BG	C.stor
EMF.5.0543	EMF.5	5		Ri.BG	Veg.str						H2O.cap
EMF.5.0544	EMF.5	5		Veg.str					FW.BG		H2O.cap
EMF.5.0545	EMF.5	5			Soil.het	FD.AG		FW.AG		C.stor	
EMF.5.0546	EMF.5	5	Ri.AG		Soil.het			FW.AG	FW.BG		Nut.ret
EMF.5.0547	EMF.5	5		Ri.Plant		FD.AG	FD.BG				H2O.cap
EMF.5.0548	EMF.5	5	Ri.AG		Veg.str	Soil.het			FW.BG		H2O.cap
EMF.5.0549	EMF.5	5		Ri.Plant	Soil.het	FD.AG					H2O.cap
EMF.5.0550	EMF.5	5	Ri.AG		Veg.str		FD.AG		FW.BG		
EMF.5.0551	EMF.5	5		Ri.Plant		FD.AG	FD.BG				Nut.ret



EMF.5.0615	EMF.5	5		Ri.Plant	Veg.str	Soil.het			FW.BG		
EMF.5.0616	EMF.5	5	Ri.AG				FD.BG	FW.AG	C.stor	Nut.ret	
EMF.5.0617	EMF.5	5		Ri.Plant		Soil.het			FW.BG	C.stor	
EMF.5.0618	EMF.5	5	Ri.AG	Ri.Plant			FD.AG	FD.BG	FW.BG		
EMF.5.0619	EMF.5	5		Ri.Plant			FD.AG		FW.BG	C.stor	H2O.cap
EMF.5.0620	EMF.5	5		Ri.Plant		Soil.het	FD.AG		FW.BG		Nut.ret
EMF.5.0621	EMF.5	5				Soil.het	FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.5.0622	EMF.5	5		Ri.Plant	Veg.str		FD.AG			C.stor	
EMF.5.0623	EMF.5	5	Ri.AG			Soil.het	FD.BG	FW.AG		C.stor	
EMF.5.0624	EMF.5	5			Veg.str	Soil.het			FW.BG	C.stor	Nut.ret
EMF.5.0625	EMF.5	5	Ri.AG			Soil.het		FW.AG	FW.BG	C.stor	
EMF.5.0626	EMF.5	5	Ri.AG			Soil.het	FD.AG				Nut.ret
EMF.5.0627	EMF.5	5			Veg.str		FD.AG		FW.BG	C.stor	H2O.cap
EMF.5.0628	EMF.5	5		Ri.Plant			FD.BG			C.stor	H2O.cap
EMF.5.0629	EMF.5	5					FD.BG	FW.AG	FW.BG		H2O.cap
EMF.5.0630	EMF.5	5		Ri.Plant			FD.AG			C.stor	H2O.cap
EMF.5.0631	EMF.5	5		Ri.Plant		Soil.het	FD.BG				H2O.cap
EMF.5.0632	EMF.5	5	Ri.AG				FD.BG	FW.AG	FW.BG		Nut.ret
EMF.5.0633	EMF.5	5	Ri.AG	Ri.BG	Veg.str	Soil.het					H2O.cap
EMF.5.0634	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant				FW.BG		
EMF.5.0635	EMF.5	5		Ri.BG	Ri.Plant		FD.AG			C.stor	H2O.cap
EMF.5.0636	EMF.5	5		Ri.BG	Veg.str		FD.AG			C.stor	H2O.cap
EMF.5.0637	EMF.5	5		Ri.BG	Veg.str	Soil.het		FW.AG		C.stor	
EMF.5.0638	EMF.5	5			Veg.str	Soil.het	FD.AG	FW.AG		C.stor	
EMF.5.0639	EMF.5	5		Ri.BG	Ri.Plant	Veg.str	FD.AG				Nut.ret
EMF.5.0640	EMF.5	5		Ri.BG	Ri.Plant	Soil.het					H2O.cap
EMF.5.0641	EMF.5	5	Ri.AG	Ri.BG	Veg.str					C.stor	
EMF.5.0642	EMF.5	5	Ri.AG	Ri.Plant			FD.BG		FW.BG	C.stor	
EMF.5.0643	EMF.5	5		Ri.BG	Ri.Plant		FD.AG				H2O.cap
EMF.5.0644	EMF.5	5			Veg.str		FD.AG			C.stor	H2O.cap
EMF.5.0645	EMF.5	5		Ri.Plant		Soil.het			FW.BG	C.stor	Nut.ret
EMF.5.0646	EMF.5	5	Ri.AG			FD.AG				C.stor	H2O.cap
EMF.5.0647	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		FD.AG		FW.BG		
EMF.5.0648	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant		FD.BG			C.stor	
EMF.5.0649	EMF.5	5	Ri.AG		Veg.str		FD.AG			C.stor	Nut.ret
EMF.5.0650	EMF.5	5	Ri.AG			FD.AG			FW.BG		Nut.ret
EMF.5.0651	EMF.5	5			Veg.str		FD.AG	FD.BG	FW.BG	C.stor	
EMF.5.0652	EMF.5	5			Veg.str	Soil.het		FD.BG	FW.AG		
EMF.5.0653	EMF.5	5		Ri.Plant		Soil.het		FD.BG			H2O.cap
EMF.5.0654	EMF.5	5		Ri.Plant			FD.AG		FW.BG		H2O.cap
EMF.5.0655	EMF.5	5		Ri.BG			FD.AG		FW.AG	C.stor	H2O.cap
EMF.5.0656	EMF.5	5		Ri.BG	Veg.str	Soil.het				C.stor	Nut.ret
EMF.5.0657	EMF.5	5			Veg.str		FD.AG	FD.BG	FW.AG		C.stor
EMF.5.0658	EMF.5	5		Ri.BG				FW.AG	FW.BG	C.stor	H2O.cap
EMF.5.0659	EMF.5	5		Ri.BG				FW.AG		C.stor	H2O.cap
EMF.5.0660	EMF.5	5	Ri.AG				FD.BG	FW.AG	FW.BG		
EMF.5.0661	EMF.5	5		Ri.Plant	Veg.str	Soil.het	FD.BG	FW.AG			
EMF.5.0662	EMF.5	5		Ri.Plant	Veg.str		FD.BG	FW.AG			
EMF.5.0663	EMF.5	5		Ri.Plant		Soil.het			FW.BG		Nut.ret
EMF.5.0664	EMF.5	5		Ri.Plant		Soil.het	FD.AG	FD.BG			H2O.cap
EMF.5.0665	EMF.5	5		Ri.BG	Veg.str	Soil.het		FD.BG			
EMF.5.0666	EMF.5	5	Ri.AG			Soil.het	FD.AG		FW.AG		Nut.ret
EMF.5.0667	EMF.5	5					FD.AG		FW.AG	C.stor	H2O.cap
EMF.5.0668	EMF.5	5						FW.AG	FW.BG	C.stor	H2O.cap
EMF.5.0669	EMF.5	5		Ri.Plant			FD.BG				H2O.cap
EMF.5.0670	EMF.5	5	Ri.AG	Ri.BG	Veg.str				FW.BG		H2O.cap
EMF.5.0671	EMF.5	5		Ri.Plant		Soil.het	FD.BG		FW.BG	C.stor	
EMF.5.0672	EMF.5	5					FD.AG		FW.AG	FW.BG	C.stor
EMF.5.0673	EMF.5	5	Ri.AG	Ri.BG		Soil.het			FW.AG		Nut.ret
EMF.5.0674	EMF.5	5		Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.BG			
EMF.5.0675	EMF.5	5	Ri.AG	Ri.BG				FD.BG	FW.AG		Nut.ret
EMF.5.0676	EMF.5	5		Ri.Plant			FD.AG	FD.BG		C.stor	Nut.ret
EMF.5.0677	EMF.5	5	Ri.AG	Ri.BG	Veg.str				FW.BG		Nut.ret



EMF.5.0678	EMF.5	5	Ri.BG	Ri.Plant	Soil.het	FD.AG					H2O.cap	
EMF.5.0679	EMF.5	5	Ri.AG	Ri.BG	Veg.str	FD.AG					H2O.cap	
EMF.5.0680	EMF.5	5	Ri.BG		Veg.str	FD.AG	FD.BG				C.stor	
EMF.5.0681	EMF.5	5	Ri.BG	Ri.Plant			FD.BG				H2O.cap	
EMF.5.0682	EMF.5	5	Ri.BG		Veg.str					FW.BG	H2O.cap	
EMF.5.0683	EMF.5	5	Ri.AG		Veg.str					FW.BG	C.stor	Nut.ret
EMF.5.0684	EMF.5	5			Veg.str		FD.BG	FW.AG	FW.BG		C.stor	
EMF.5.0685	EMF.5	5	Ri.BG	Ri.Plant	Soil.het					FW.BG	C.stor	
EMF.5.0686	EMF.5	5	Ri.BG	Ri.Plant	Soil.het		FD.BG					H2O.cap
EMF.5.0687	EMF.5	5	Ri.AG	Ri.BG			FD.BG	FW.AG				
EMF.5.0688	EMF.5	5	Ri.BG		Veg.str		FD.BG	FW.AG				C.stor
EMF.5.0689	EMF.5	5	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.AG		
EMF.5.0690	EMF.5	5	Ri.AG				FD.AG		FW.AG	FW.BG		
EMF.5.0691	EMF.5	5		Ri.Plant			FD.AG		FW.AG		C.stor	Nut.ret
EMF.5.0692	EMF.5	5		Ri.Plant			FD.AG		FW.AG		C.stor	
EMF.5.0693	EMF.5	5	Ri.AG				FD.AG	FD.BG	FW.AG			Nut.ret
EMF.5.0694	EMF.5	5		Ri.Plant	Veg.str	Soil.het				FW.AG	FW.BG	
EMF.5.0695	EMF.5	5	Ri.AG	Ri.BG	Veg.str		FD.AG					Nut.ret
EMF.5.0696	EMF.5	5	Ri.AG	Ri.BG	Veg.str		FD.AG					
EMF.5.0697	EMF.5	5	Ri.BG	Ri.Plant				FD.BG			C.stor	H2O.cap
EMF.5.0698	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant			FD.AG	FD.BG			
EMF.5.0699	EMF.5	5	Ri.BG	Ri.Plant	Soil.het						FW.BG	Nut.ret
EMF.5.0700	EMF.5	5	Ri.AG	Ri.BG					FW.AG	FW.BG		
EMF.5.0701	EMF.5	5			Veg.str	Soil.het	FD.AG					H2O.cap
EMF.5.0702	EMF.5	5			Veg.str		FD.AG		FW.AG		C.stor	
EMF.5.0703	EMF.5	5			Veg.str	Soil.het	FD.AG				FW.BG	Nut.ret
EMF.5.0704	EMF.5	5	Ri.AG				FD.AG	FD.BG				H2O.cap
EMF.5.0705	EMF.5	5		Ri.Plant				FD.BG			C.stor	H2O.cap
EMF.5.0706	EMF.5	5		Ri.Plant					FW.AG	FW.BG	C.stor	Nut.ret
EMF.5.0707	EMF.5	5		Ri.Plant				FD.BG		FW.BG	C.stor	H2O.cap
EMF.5.0708	EMF.5	5	Ri.AG				FD.AG	FD.BG	FW.AG			
EMF.5.0709	EMF.5	5		Ri.Plant	Veg.str		FD.AG	FD.BG				
EMF.5.0710	EMF.5	5	Ri.AG	Ri.BG		Soil.het			FW.AG		C.stor	
EMF.5.0711	EMF.5	5	Ri.AG	Ri.BG		Veg.str					FW.BG	
EMF.5.0712	EMF.5	5		Ri.Plant		Soil.het					FW.BG	H2O.cap
EMF.5.0713	EMF.5	5	Ri.AG			Soil.het	FD.AG		FW.AG		C.stor	
EMF.5.0714	EMF.5	5		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.AG		
EMF.5.0715	EMF.5	5	Ri.BG	Ri.Plant					FW.AG		C.stor	Nut.ret
EMF.5.0716	EMF.5	5	Ri.BG	Ri.Plant	Veg.str				FD.BG			
EMF.5.0717	EMF.5	5	Ri.BG	Ri.Plant			FD.AG	FD.BG				H2O.cap
EMF.5.0718	EMF.5	5	Ri.AG		Veg.str	Soil.het		FD.BG			FW.BG	
EMF.5.0719	EMF.5	5			Veg.str						FW.BG	C.stor
EMF.5.0720	EMF.5	5	Ri.BG	Ri.Plant				FD.BG				H2O.cap
EMF.5.0721	EMF.5	5		Ri.Plant	Veg.str	Soil.het		FD.BG			FW.BG	
EMF.5.0722	EMF.5	5		Ri.Plant	Veg.str						FW.BG	C.stor
EMF.5.0723	EMF.5	5		Ri.Plant		Soil.het		FD.BG			FW.BG	Nut.ret
EMF.5.0724	EMF.5	5	Ri.BG		Veg.str	Soil.het				FW.AG		
EMF.5.0725	EMF.5	5			Veg.str	Soil.het	FD.AG				FW.BG	C.stor
EMF.5.0726	EMF.5	5			Veg.str	Soil.het					FW.BG	H2O.cap
EMF.5.0727	EMF.5	5	Ri.AG				FD.AG					H2O.cap
EMF.5.0728	EMF.5	5		Ri.Plant		Soil.het	FD.AG				FW.BG	H2O.cap
EMF.5.0729	EMF.5	5		Ri.Plant	Veg.str	Soil.het	FD.AG	FD.BG				
EMF.5.0730	EMF.5	5			Veg.str				FW.AG	FW.BG	C.stor	
EMF.5.0731	EMF.5	5	Ri.BG	Ri.Plant				FD.BG				Nut.ret
EMF.5.0732	EMF.5	5					FD.AG		FW.AG		C.stor	Nut.ret
EMF.5.0733	EMF.5	5	Ri.BG		Veg.str						FW.BG	Nut.ret
EMF.5.0734	EMF.5	5	Ri.BG	Ri.Plant	Veg.str						C.stor	Nut.ret
EMF.5.0735	EMF.5	5		Ri.Plant			FD.AG		FW.AG	FW.BG		Nut.ret
EMF.5.0736	EMF.5	5	Ri.AG		Veg.str	Soil.het				FW.AG	FW.BG	
EMF.5.0737	EMF.5	5	Ri.BG		Veg.str						C.stor	Nut.ret
EMF.5.0738	EMF.5	5		Ri.Plant					FW.AG	FW.BG	C.stor	
EMF.5.0739	EMF.5	5		Ri.Plant			FD.AG				C.stor	Nut.ret
EMF.5.0740	EMF.5	5	Ri.BG		Veg.str					FW.AG	C.stor	

EMF.5.0741	EMF.5	5	Ri.BG	Ri.Plant			FW.AG	C.stor					
EMF.5.0742	EMF.5	5	Ri.AG			FD.AG		FW.BG	H2O.cap				
EMF.5.0743	EMF.5	5	Ri.BG				FW.AG		C.stor	Nut.ret			
EMF.5.0744	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant			FW.BG	C.stor				
EMF.5.0745	EMF.5	5		Ri.Plant		Soil.het		FW.BG	H2O.cap	Nut.ret			
EMF.5.0746	EMF.5	5	Ri.BG	Ri.Plant	Veg.str			FW.BG		Nut.ret			
EMF.5.0747	EMF.5	5					FW.AG	FW.BG	C.stor	Nut.ret			
EMF.5.0748	EMF.5	5			Veg.str	Soil.het		FW.AG	FW.BG				
EMF.5.0749	EMF.5	5	Ri.AG		Veg.str	Soil.het	FD.BG	FW.AG					
EMF.5.0750	EMF.5	5	Ri.BG	Ri.Plant			FD.AG	FD.BG		Nut.ret			
EMF.5.0751	EMF.5	5	Ri.BG	Ri.Plant				FW.AG	FW.BG	Nut.ret			
EMF.5.0752	EMF.5	5				Soil.het	FD.BG	FW.AG		C.stor	Nut.ret		
EMF.5.0753	EMF.5	5			Veg.str	Soil.het	FD.AG	FD.BG					
EMF.5.0754	EMF.5	5		Ri.Plant	Veg.str		FD.BG		FW.BG				
EMF.5.0755	EMF.5	5	Ri.AG	Ri.BG	Veg.str					C.stor	Nut.ret		
EMF.5.0756	EMF.5	5	Ri.BG	Ri.Plant			FD.AG		FW.AG		Nut.ret		
EMF.5.0757	EMF.5	5	Ri.BG					FW.AG	FW.BG		Nut.ret		
EMF.5.0758	EMF.5	5	Ri.AG	Ri.BG	Ri.Plant			FD.BG		FW.BG			
EMF.5.0759	EMF.5	5	Ri.BG	Ri.Plant		Soil.het	FD.AG						
EMF.5.0760	EMF.5	5	Ri.BG		Veg.str	Soil.het				H2O.cap	Nut.ret		
EMF.5.0761	EMF.5	5	Ri.BG				FD.AG		FW.AG		Nut.ret		
EMF.5.0762	EMF.5	5			Veg.str	Soil.het		FD.BG		FW.BG			
EMF.5.0763	EMF.5	5			Veg.str		FD.AG			FW.BG	H2O.cap	Nut.ret	
EMF.5.0764	EMF.5	5		Ri.Plant			FD.AG	FD.BG		FW.BG	H2O.cap		
EMF.5.0765	EMF.5	5		Ri.Plant			FD.AG			FW.BG		Nut.ret	
EMF.5.0766	EMF.5	5	Ri.BG		Veg.str			FD.BG	FW.AG				
EMF.5.0767	EMF.5	5	Ri.AG	Ri.BG			FD.AG		FW.AG				
EMF.5.0768	EMF.5	5		Ri.Plant			FD.AG	FD.BG			C.stor		
EMF.5.0769	EMF.5	5	Ri.AG			Soil.het		FD.BG				Nut.ret	
EMF.5.0770	EMF.5	5					FD.AG		FW.AG	FW.BG		Nut.ret	
EMF.5.0771	EMF.5	5		Ri.Plant				FD.BG		FW.BG		H2O.cap	
EMF.5.0772	EMF.5	5			Veg.str	Soil.het	FD.AG		FW.AG				
EMF.5.0773	EMF.5	5			Veg.str		FD.AG			FW.BG	C.stor		
EMF.5.0774	EMF.5	5	Ri.BG	Ri.Plant			FD.AG					Nut.ret	
EMF.5.0775	EMF.5	5	Ri.AG			Soil.het	FD.AG					H2O.cap	
EMF.5.0776	EMF.5	5	Ri.BG	Ri.Plant	Veg.str	Soil.het				FW.BG			
EMF.5.0777	EMF.5	5	Ri.BG		Veg.str			FD.BG		FW.BG	C.stor		
EMF.5.0778	EMF.5	5		Ri.Plant	Veg.str	Soil.het	FD.AG			FW.BG			
EMF.5.0779	EMF.5	5			Veg.str			FD.BG	FW.AG	FW.BG			
EMF.5.0780	EMF.5	5	Ri.BG	Ri.Plant	Veg.str	Soil.het	FD.AG						
EMF.5.0781	EMF.5	5		Ri.Plant			FD.AG			FW.BG		H2O.cap	Nut.ret
EMF.5.0782	EMF.5	5	Ri.BG	Ri.Plant		Soil.het				FW.BG		H2O.cap	
EMF.5.0783	EMF.5	5	Ri.AG	Ri.BG		Soil.het							Nut.ret
EMF.5.0784	EMF.5	5	Ri.AG	Ri.BG		Veg.str			FW.AG		C.stor		
EMF.5.0785	EMF.5	5		Ri.Plant			FD.AG	FD.BG		FW.BG			Nut.ret
EMF.5.0786	EMF.5	5	Ri.AG				FD.AG	FD.BG			C.stor		
EMF.5.0787	EMF.5	5	Ri.AG		Veg.str				FW.AG	FW.BG	C.stor		
EMF.5.0788	EMF.5	5	Ri.BG	Ri.Plant		Soil.het		FD.BG					
EMF.5.0789	EMF.5	5		Ri.Plant		Soil.het		FD.BG		FW.BG		H2O.cap	
EMF.5.0790	EMF.5	5			Veg.str				FW.AG	FW.BG	C.stor		Nut.ret
EMF.5.0791	EMF.5	5		Ri.Plant				FD.BG		FW.BG		H2O.cap	Nut.ret
EMF.5.0792	EMF.5	5					FD.AG	FD.BG			C.stor	H2O.cap	
EMF.5.0793	EMF.5	5			Veg.str		FD.AG	FD.BG	FW.AG				
EMF.5.0794	EMF.5	5	Ri.BG		Veg.str	Soil.het				FW.BG			Nut.ret
EMF.5.0795	EMF.5	5	Ri.AG				FD.AG				C.stor		Nut.ret
EMF.5.0796	EMF.5	5	Ri.BG				FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.5.0797	EMF.5	5	Ri.BG		Veg.str						C.stor	H2O.cap	Nut.ret
EMF.5.0798	EMF.5	5	Ri.BG	Ri.Plant			FD.AG					H2O.cap	Nut.ret
EMF.5.0799	EMF.5	5	Ri.AG	Ri.BG		Veg.str	Soil.het		FD.BG				
EMF.5.0800	EMF.5	5		Ri.Plant	Veg.str				FW.AG	FW.BG			
EMF.5.0801	EMF.5	5			Veg.str					FW.BG	C.stor	H2O.cap	Nut.ret
EMF.5.0802	EMF.5	5		Ri.Plant	Veg.str					FW.BG	C.stor		
EMF.5.0803	EMF.5	5	Ri.BG	Ri.Plant	Veg.str				FW.AG		C.stor		

EMF.5.0804	EMF.5	5	Ri.BG	Ri.Plant	Veg.str							C.stor	
EMF.5.0805	EMF.5	5	Ri.AG	Ri.BG				FD.BG					Nut.ret
EMF.5.0806	EMF.5	5	Ri.BG		Veg.str	Soil.het	FD.AG					C.stor	
EMF.5.0807	EMF.5	5	Ri.BG	Ri.Plant	Veg.str					FW.AG			
EMF.5.0808	EMF.5	5		Ri.Plant	Veg.str		FD.AG			FW.AG			
EMF.5.0809	EMF.5	5	Ri.AG		Veg.str	Soil.het	FD.AG	FD.BG					
EMF.5.0810	EMF.5	5	Ri.BG	Ri.Plant		Soil.het	FD.AG			FW.AG			
EMF.5.0811	EMF.5	5	Ri.BG	Ri.Plant		Soil.het		FD.BG		FW.AG			
EMF.5.0812	EMF.5	5		Ri.Plant	Veg.str		FD.AG			FW.AG		C.stor	
EMF.5.0813	EMF.5	5	Ri.BG	Ri.Plant		Soil.het				FW.AG	FW.BG		
EMF.5.0814	EMF.5	5	Ri.AG			Soil.het		FD.BG				C.stor	
EMF.5.0815	EMF.5	5	Ri.BG		Veg.str		FD.AG	FD.BG					
EMF.5.0816	EMF.5	5					FD.AG	FD.BG	FW.AG	FW.BG		H2O.cap	
EMF.5.0817	EMF.5	5	Ri.BG		Veg.str	Soil.het	FD.AG						Nut.ret
EMF.5.0818	EMF.5	5	Ri.AG			Soil.het						C.stor	H2O.cap
EMF.5.0819	EMF.5	5	Ri.BG		Veg.str					FW.BG		C.stor	H2O.cap
EMF.5.0820	EMF.5	5	Ri.BG		Veg.str					FW.AG		C.stor	Nut.ret
EMF.5.0821	EMF.5	5				Soil.het	FD.AG	FD.BG	FW.AG				H2O.cap
EMF.5.0822	EMF.5	5	Ri.AG		Veg.str			FD.BG	FW.AG	FW.BG			
EMF.5.0823	EMF.5	5	Ri.AG			Soil.het						C.stor	Nut.ret
EMF.5.0824	EMF.5	5		Ri.Plant			FD.AG	FD.BG	FW.AG			C.stor	
EMF.5.0825	EMF.5	5	Ri.AG					FD.BG				H2O.cap	Nut.ret
EMF.5.0826	EMF.5	5	Ri.BG	Ri.Plant								C.stor	H2O.cap
EMF.5.0827	EMF.5	5		Ri.Plant				FD.BG				C.stor	Nut.ret
EMF.5.0828	EMF.5	5	Ri.BG		Veg.str		FD.AG					C.stor	
EMF.5.0829	EMF.5	5	Ri.AG	Ri.BG			FD.AG						Nut.ret
EMF.5.0830	EMF.5	5	Ri.AG					FD.BG				C.stor	H2O.cap
EMF.5.0831	EMF.5	5		Ri.Plant	Veg.str				FW.AG	FW.BG		C.stor	
EMF.5.0832	EMF.5	5		Ri.Plant						FW.BG		C.stor	H2O.cap
EMF.5.0833	EMF.5	5			Veg.str		FD.AG			FW.AG		C.stor	Nut.ret
EMF.5.0834	EMF.5	5		Ri.Plant								C.stor	H2O.cap
EMF.5.0835	EMF.5	5	Ri.AG	Ri.BG			FD.AG						H2O.cap
EMF.5.0836	EMF.5	5	Ri.BG	Ri.Plant		Soil.het					FW.BG		
EMF.5.0837	EMF.5	5			Veg.str		FD.AG	FD.BG			FW.BG		
EMF.5.0838	EMF.5	5				Soil.het	FD.AG			FW.AG		H2O.cap	Nut.ret
EMF.5.0839	EMF.5	5			Veg.str		FD.AG			FW.AG	FW.BG		Nut.ret
EMF.5.0840	EMF.5	5	Ri.BG		Veg.str		FD.AG					H2O.cap	Nut.ret
EMF.5.0841	EMF.5	5	Ri.BG		Veg.str			FD.BG			FW.BG		
EMF.5.0842	EMF.5	5	Ri.BG	Ri.Plant								H2O.cap	Nut.ret
EMF.5.0843	EMF.5	5	Ri.AG			Soil.het	FD.AG			FW.BG			
EMF.5.0844	EMF.5	5	Ri.AG		Veg.str		FD.AG			FW.BG		C.stor	
EMF.5.0845	EMF.5	5	Ri.AG				FD.AG			FW.BG		C.stor	
EMF.5.0846	EMF.5	5					FD.AG	FD.BG	FW.AG			C.stor	
EMF.5.0847	EMF.5	5	Ri.BG		Veg.str					FW.AG	FW.BG		Nut.ret
EMF.5.0848	EMF.5	5	Ri.AG		Veg.str	Soil.het	FD.AG			FW.AG			
EMF.5.0849	EMF.5	5	Ri.BG	Ri.Plant				FD.BG	FW.AG			C.stor	
EMF.5.0850	EMF.5	5		Ri.Plant				FD.BG	FW.AG	FW.BG		C.stor	
EMF.5.0851	EMF.5	5	Ri.AG			Soil.het				FW.BG			Nut.ret
EMF.5.0852	EMF.5	5	Ri.AG		Veg.str	Soil.het	FD.AG			FW.BG			
EMF.5.0853	EMF.5	5	Ri.AG	Ri.BG		Soil.het						C.stor	
EMF.5.0854	EMF.5	5		Ri.Plant				FD.BG		FW.BG			Nut.ret
EMF.5.0855	EMF.5	5		Ri.Plant	Veg.str		FD.AG			FW.BG		C.stor	
EMF.5.0856	EMF.5	5	Ri.AG						FW.AG	FW.BG		C.stor	Nut.ret
EMF.5.0857	EMF.5	5		Ri.Plant		Soil.het	FD.AG			FW.BG			
EMF.5.0858	EMF.5	5	Ri.BG					FD.BG	FW.AG			C.stor	
EMF.5.0859	EMF.5	5	Ri.BG	Ri.Plant				FD.BG	FW.AG				
EMF.5.0860	EMF.5	5	Ri.BG	Ri.Plant	Veg.str		FD.AG					C.stor	
EMF.5.0861	EMF.5	5		Ri.Plant		Soil.het	FD.AG	FD.BG	FW.AG				
EMF.5.0862	EMF.5	5		Ri.Plant		Soil.het	FD.AG			FW.AG	FW.BG		
EMF.5.0863	EMF.5	5	Ri.BG	Ri.Plant				FD.BG		FW.BG		H2O.cap	
EMF.5.0864	EMF.5	5		Ri.Plant		Soil.het		FD.BG	FW.AG	FW.BG			
EMF.5.0865	EMF.5	5		Ri.Plant		Soil.het	FD.AG	FD.BG					
EMF.5.0866	EMF.5	5	Ri.AG		Veg.str		FD.AG	FD.BG		FW.BG			

EMF.5.0867	EMF.5	5	Ri.BG	Veg.str	Soil.het		FW.BG	C.stor		
EMF.5.0868	EMF.5	5			Soil.het		FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.5.0869	EMF.5	5				FD.BG	FW.AG	FW.BG	C.stor	
EMF.5.0870	EMF.5	5	Ri.BG		Soil.het	FD.BG	FW.AG		H2O.cap	
EMF.5.0871	EMF.5	5	Ri.BG			FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.5.0872	EMF.5	5	Ri.AG		Soil.het			FW.BG	C.stor	
EMF.5.0873	EMF.5	5		Ri.Plant				FW.BG	H2O.cap	Nut.ret
EMF.5.0874	EMF.5	5	Ri.AG	Ri.BG			FD.BG		H2O.cap	
EMF.5.0875	EMF.5	5		Ri.Plant	Veg.str	FD.AG		FW.BG		
EMF.5.0876	EMF.5	5	Ri.AG		Soil.het				H2O.cap	Nut.ret
EMF.5.0877	EMF.5	5	Ri.AG		Veg.str	FD.AG	FW.AG		C.stor	
EMF.5.0878	EMF.5	5	Ri.BG		Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.5.0879	EMF.5	5	Ri.AG	Ri.BG	Veg.str	Soil.het		FW.BG		
EMF.5.0880	EMF.5	5	Ri.AG	Ri.BG			FW.AG	FW.BG		Nut.ret
EMF.5.0881	EMF.5	5	Ri.AG				FD.AG	FW.AG	FW.BG	Nut.ret
EMF.5.0882	EMF.5	5			Veg.str	Soil.het	FD.AG		FW.BG	
EMF.5.0883	EMF.5	5	Ri.BG	Ri.Plant				FW.BG	H2O.cap	
EMF.5.0884	EMF.5	5	Ri.AG	Ri.BG	Veg.str		FD.BG	FW.BG		
EMF.5.0885	EMF.5	5	Ri.AG	Ri.BG	Veg.str	Soil.het		FW.AG		
EMF.5.0886	EMF.5	5	Ri.BG		Veg.str	Soil.het		FW.BG		
EMF.5.0887	EMF.5	5	Ri.BG		Veg.str	Soil.het	FD.AG			
EMF.5.0888	EMF.5	5		Ri.Plant			FD.BG	FW.AG	FW.BG	
EMF.5.0889	EMF.5	5		Ri.Plant			FD.AG	FD.BG	FW.AG	
EMF.5.0890	EMF.5	5	Ri.AG				FD.BG		C.stor	Nut.ret
EMF.5.0891	EMF.5	5			Soil.het		FD.BG	FW.AG	FW.BG	H2O.cap
EMF.5.0892	EMF.5	5	Ri.AG		Soil.het		FD.BG		H2O.cap	
EMF.5.0893	EMF.5	5	Ri.AG		Veg.str		FD.AG	FD.BG	FW.AG	
EMF.5.0894	EMF.5	5	Ri.BG		Veg.str			FW.BG	H2O.cap	Nut.ret
EMF.5.0895	EMF.5	5	Ri.AG				FD.BG	FW.BG		Nut.ret
EMF.5.0896	EMF.5	5	Ri.BG	Ri.Plant		FD.AG		FW.BG	H2O.cap	
EMF.5.0897	EMF.5	5				FD.AG		FW.AG	FW.BG	H2O.cap
EMF.5.0898	EMF.5	5	Ri.BG		Veg.str	FD.AG		FW.AG		Nut.ret
EMF.5.0899	EMF.5	5	Ri.BG			FD.AG		FW.AG	H2O.cap	Nut.ret
EMF.5.0900	EMF.5	5	Ri.AG	Ri.BG	Veg.str		FD.BG	FW.AG		
EMF.5.0901	EMF.5	5			Veg.str		FD.AG		FW.BG	C.stor
EMF.5.0902	EMF.5	5	Ri.BG	Ri.Plant	Veg.str		FD.AG			Nut.ret
EMF.5.0903	EMF.5	5	Ri.AG	Ri.BG		Soil.het				H2O.cap
EMF.5.0904	EMF.5	5	Ri.AG	Ri.BG	Veg.str		FD.AG			C.stor
EMF.5.0905	EMF.5	5		Ri.Plant			FD.AG		FW.BG	C.stor
EMF.5.0906	EMF.5	5		Ri.Plant	Veg.str		FD.BG	FW.AG	FW.BG	
EMF.5.0907	EMF.5	5	Ri.BG	Ri.Plant			FD.BG			C.stor
EMF.5.0908	EMF.5	5	Ri.AG	Ri.BG		Soil.het	FD.AG			Nut.ret
EMF.5.0909	EMF.5	5	Ri.AG	Ri.BG				FW.AG		C.stor
EMF.5.0910	EMF.5	5	Ri.BG				FD.AG	FD.BG		Nut.ret
EMF.5.0911	EMF.5	5	Ri.BG	Ri.Plant	Veg.str		FD.BG	FW.AG		
EMF.5.0912	EMF.5	5	Ri.BG					FW.AG	FW.BG	H2O.cap
EMF.5.0913	EMF.5	5	Ri.AG	Ri.BG	Veg.str				FW.BG	C.stor
EMF.5.0914	EMF.5	5	Ri.BG	Ri.Plant				FW.AG	FW.BG	
EMF.5.0915	EMF.5	5		Ri.Plant	Veg.str		FD.AG	FD.BG	FW.AG	
EMF.5.0916	EMF.5	5	Ri.BG	Ri.Plant			FD.AG		FW.AG	
EMF.5.0917	EMF.5	5	Ri.BG			Soil.het		FD.BG	FW.AG	
EMF.5.0918	EMF.5	5		Ri.Plant			FD.AG		FW.AG	FW.BG
EMF.5.0919	EMF.5	5	Ri.AG					FD.BG	FW.BG	H2O.cap
EMF.5.0920	EMF.5	5	Ri.BG	Ri.Plant				FD.BG	FW.BG	
EMF.5.0921	EMF.5	5		Ri.Plant		Soil.het		FD.BG	FW.BG	Nut.ret
EMF.5.0922	EMF.5	5	Ri.AG				FD.AG		FW.AG	C.stor
EMF.5.0923	EMF.5	5	Ri.BG	Ri.Plant			FD.AG			C.stor
EMF.5.0924	EMF.5	5	Ri.AG			Soil.het			FW.BG	H2O.cap
EMF.5.0925	EMF.5	5	Ri.AG			Soil.het	FD.AG	FD.BG		
EMF.5.0926	EMF.5	5	Ri.AG	Ri.BG	Veg.str		FD.AG	FD.BG		
EMF.5.0927	EMF.5	5		Ri.Plant	Veg.str		FD.AG	FD.BG		FW.BG
EMF.5.0928	EMF.5	5			Veg.str	Soil.het	FD.AG		FW.BG	H2O.cap
EMF.5.0929	EMF.5	5	Ri.BG	Ri.Plant	Veg.str				FW.BG	



EMF.5.0993	EMF.5	5	Ri.BG	Ri.Plant					C.stor	Nut.ret
EMF.5.0994	EMF.5	5	Ri.AG	Ri.BG		FD.BG	FW.AG		C.stor	
EMF.5.0995	EMF.5	5	Ri.AG	Ri.BG		FD.AG		FW.BG		
EMF.5.0996	EMF.5	5		Ri.Plant		FD.BG		FW.BG	C.stor	
EMF.5.0997	EMF.5	5			Soil.het	FD.AG			C.stor	Nut.ret
EMF.5.0998	EMF.5	5	Ri.BG	Ri.Plant				FW.BG		Nut.ret
EMF.5.0999	EMF.5	5	Ri.AG			FD.AG	FD.BG		C.stor	H2O.cap
EMF.5.1000	EMF.5	5			Soil.het	FD.AG	FD.BG			Nut.ret
EMF.5.1001	EMF.5	5	Ri.AG	Ri.BG		FD.AG	FD.BG			
EMF.5.1002	EMF.5	5	Ri.BG	Ri.Plant	Soil.het	FD.AG		FW.BG		
EMF.5.1003	EMF.5	5	Ri.BG	Ri.Plant		FD.AG		FW.BG		Nut.ret
EMF.5.1004	EMF.5	5	Ri.BG		Soil.het		FW.AG	FW.BG		H2O.cap
EMF.5.1005	EMF.5	5	Ri.AG			FD.AG	FD.BG	FW.AG	C.stor	
EMF.5.1006	EMF.5	5	Ri.BG	Ri.Plant	Soil.het		FD.BG	FW.BG		
EMF.5.1007	EMF.5	5		Ri.Plant				FW.BG	C.stor	Nut.ret
EMF.5.1008	EMF.5	5	Ri.BG	Ri.Plant		FD.AG	FD.BG			
EMF.5.1009	EMF.5	5			Soil.het	FD.AG	FD.BG	FW.AG		
EMF.5.1010	EMF.5	5	Ri.AG	Ri.BG				FW.BG		H2O.cap
EMF.5.1011	EMF.5	5			Soil.het		FD.BG	FW.AG	FW.BG	
EMF.5.1012	EMF.5	5	Ri.BG	Veg.str				FW.BG	C.stor	Nut.ret
EMF.5.1013	EMF.5	5	Ri.AG	Ri.BG			FD.BG		C.stor	
EMF.5.1014	EMF.5	5				FD.AG	FD.BG	FW.BG		Nut.ret
EMF.5.1015	EMF.5	5			Soil.het	FD.AG		FW.AG	FW.BG	
EMF.5.1016	EMF.5	5	Ri.AG				FD.BG	FW.BG	C.stor	
EMF.5.1017	EMF.5	5	Ri.BG	Veg.str		FD.AG		FW.BG		
EMF.5.1018	EMF.5	5	Ri.BG	Ri.Plant	Veg.str			FW.AG	FW.BG	
EMF.5.1019	EMF.5	5	Ri.AG	Ri.BG				FW.BG		Nut.ret
EMF.5.1020	EMF.5	5			Soil.het		FD.BG	FW.AG	FW.BG	C.stor
EMF.5.1021	EMF.5	5	Ri.BG		Soil.het		FD.BG	FW.AG		C.stor
EMF.5.1022	EMF.5	5	Ri.BG				FD.BG	FW.AG	FW.BG	Nut.ret
EMF.5.1023	EMF.5	5		Ri.Plant	Veg.str	FD.AG		FW.AG	FW.BG	
EMF.5.1024	EMF.5	5		Ri.Plant	Soil.het	FD.AG	FD.BG		FW.BG	
EMF.5.1025	EMF.5	5	Ri.AG	Ri.BG	Veg.str	FD.AG			FW.BG	
EMF.5.1026	EMF.5	5			Soil.het	FD.AG	FD.BG	FW.AG		C.stor
EMF.5.1027	EMF.5	5	Ri.BG			FD.AG	FD.BG	FW.AG		Nut.ret
EMF.5.1028	EMF.5	5		Ri.Plant		FD.AG	FD.BG		FW.BG	
EMF.5.1029	EMF.5	5	Ri.BG			FD.AG	FD.BG			H2O.cap
EMF.5.1030	EMF.5	5	Ri.AG					FW.BG	C.stor	Nut.ret
EMF.5.1031	EMF.5	5	Ri.BG	Ri.Plant	Veg.str	FD.AG		FW.AG		
EMF.5.1032	EMF.5	5	Ri.AG	Ri.BG	Veg.str	FD.AG		FW.AG		
EMF.5.1033	EMF.5	5				FD.AG		FW.BG	C.stor	H2O.cap
EMF.5.1034	EMF.5	5	Ri.BG				FD.BG			H2O.cap
EMF.5.1035	EMF.5	5			Soil.het	FD.AG		FW.BG	C.stor	
EMF.5.1036	EMF.5	5	Ri.BG		Soil.het	FD.AG			C.stor	
EMF.5.1037	EMF.5	5	Ri.AG	Ri.BG					C.stor	Nut.ret
EMF.5.1038	EMF.5	5	Ri.AG	Ri.BG				FW.AG	FW.BG	C.stor
EMF.5.1039	EMF.5	5			Veg.str	Soil.het		FD.BG	FW.AG	FW.BG
EMF.5.1040	EMF.5	5				FD.AG			C.stor	H2O.cap
EMF.5.1041	EMF.5	5			Veg.str	Soil.het	FD.AG	FD.BG	FW.AG	
EMF.5.1042	EMF.5	5	Ri.BG		Soil.het	FD.AG				Nut.ret
EMF.5.1043	EMF.5	5	Ri.BG		Veg.str			FW.AG	FW.BG	C.stor
EMF.5.1044	EMF.5	5				FD.AG	FD.BG	FW.AG	FW.BG	Nut.ret
EMF.5.1045	EMF.5	5	Ri.BG			FD.AG			C.stor	H2O.cap
EMF.5.1046	EMF.5	5	Ri.AG		Soil.het	FD.AG		FW.AG	FW.BG	
EMF.5.1047	EMF.5	5			Soil.het		FD.BG		C.stor	H2O.cap
EMF.5.1048	EMF.5	5	Ri.BG		Veg.str	Soil.het		FD.BG	FW.AG	
EMF.5.1049	EMF.5	5	Ri.AG		Soil.het		FD.BG	FW.AG	FW.BG	
EMF.5.1050	EMF.5	5	Ri.BG				FD.BG		C.stor	H2O.cap
EMF.5.1051	EMF.5	5	Ri.BG	Ri.Plant		FD.AG			FW.BG	
EMF.5.1052	EMF.5	5	Ri.AG	Ri.BG			FD.BG		FW.BG	
EMF.5.1053	EMF.5	5	Ri.BG		Veg.str	FD.AG		FW.AG		C.stor
EMF.5.1054	EMF.5	5	Ri.BG				FD.BG	FW.AG	FW.BG	
EMF.5.1055	EMF.5	5	Ri.BG			FD.AG	FD.BG	FW.AG		



EMF.5.1056	EMF.5	5	Ri.BG	Ri.Plant	Veg.str		FD.AG			FW.BG		
EMF.5.1057	EMF.5	5	Ri.BG		Veg.str	Soil.het		FD.BG		FW.BG		
EMF.5.1058	EMF.5	5	Ri.BG	Ri.Plant				FD.BG		FW.BG		
EMF.5.1059	EMF.5	5	Ri.AG	Ri.BG		Soil.het			FW.AG	FW.BG		
EMF.5.1060	EMF.5	5	Ri.AG				FD.AG		FW.AG	FW.BG	C.stor	
EMF.5.1061	EMF.5	5			Veg.str	Soil.het	FD.AG	FD.BG		FW.BG		
EMF.5.1062	EMF.5	5				Soil.het		FD.BG			C.stor	Nut.ret
EMF.5.1063	EMF.5	5	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.AG			
EMF.5.1064	EMF.5	5	Ri.AG				FD.AG	FD.BG		FW.BG		Nut.ret
EMF.5.1065	EMF.5	5	Ri.BG	Ri.Plant				FD.BG	FW.AG	FW.BG		
EMF.5.1066	EMF.5	5	Ri.BG		Veg.str	Soil.het	FD.AG	FD.BG				
EMF.5.1067	EMF.5	5			Veg.str		FD.AG		FW.AG	FW.BG	C.stor	
EMF.5.1068	EMF.5	5		Ri.Plant			FD.AG	FD.BG	FW.AG	FW.BG		
EMF.5.1069	EMF.5	5	Ri.AG				FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.5.1070	EMF.5	5	Ri.AG			Soil.het	FD.AG	FD.BG	FW.AG			
EMF.5.1071	EMF.5	5	Ri.AG				FD.AG	FD.BG			C.stor	Nut.ret
EMF.5.1072	EMF.5	5	Ri.BG	Ri.Plant						FW.BG	C.stor	
EMF.5.1073	EMF.5	5	Ri.BG			Soil.het			FW.AG	FW.BG		Nut.ret
EMF.5.1074	EMF.5	5	Ri.AG				Soil.het	FD.BG			C.stor	H2O.cap
EMF.5.1075	EMF.5	5	Ri.AG	Ri.BG				FD.AG	FW.AG		C.stor	
EMF.5.1076	EMF.5	5	Ri.BG			Soil.het		FD.BG			C.stor	
EMF.5.1077	EMF.5	5	Ri.AG			Soil.het	FD.AG				C.stor	H2O.cap
EMF.5.1078	EMF.5	5	Ri.BG	Ri.Plant			FD.AG			FW.BG	C.stor	
EMF.5.1079	EMF.5	5						FD.BG			C.stor	H2O.cap
EMF.5.1080	EMF.5	5					FD.AG	FD.BG	FW.AG	FW.BG		
EMF.5.1081	EMF.5	5				Soil.het	FD.AG			FW.BG		Nut.ret
EMF.5.1082	EMF.5	5	Ri.BG			Soil.het	FD.AG		FW.AG			Nut.ret
EMF.5.1083	EMF.5	5	Ri.BG					FD.BG			C.stor	Nut.ret
EMF.5.1084	EMF.5	5				Soil.het	FD.AG					H2O.cap
EMF.5.1085	EMF.5	5	Ri.BG	Ri.Plant				FD.BG		FW.BG	C.stor	
EMF.5.1086	EMF.5	5	Ri.AG			Soil.het	FD.AG			FW.BG	C.stor	
EMF.5.1087	EMF.5	5				Soil.het	FD.AG		FW.AG	FW.BG		Nut.ret
EMF.5.1088	EMF.5	5				Soil.het	FD.AG		FW.AG	FW.BG	C.stor	
EMF.5.1089	EMF.5	5	Ri.BG		Veg.str		FD.AG			FW.BG	C.stor	
EMF.5.1090	EMF.5	5	Ri.BG			Soil.het			FW.AG	FW.BG	C.stor	
EMF.5.1091	EMF.5	5	Ri.AG			Soil.het	FD.AG	FD.BG			C.stor	
EMF.5.1092	EMF.5	5	Ri.AG			Soil.het		FD.BG			C.stor	Nut.ret
EMF.5.1093	EMF.5	5	Ri.BG					FD.BG		FW.BG		Nut.ret
EMF.5.1094	EMF.5	5	Ri.AG	Ri.BG		Soil.het	FD.AG		FW.AG			
EMF.5.1095	EMF.5	5					FD.AG	FD.BG		FW.BG		H2O.cap
EMF.5.1096	EMF.5	5	Ri.AG			Soil.het	FD.AG	FD.BG				Nut.ret
EMF.5.1097	EMF.5	5				Soil.het	FD.AG	FD.BG				H2O.cap
EMF.5.1098	EMF.5	5						FD.BG		FW.BG	C.stor	H2O.cap
EMF.5.1099	EMF.5	5	Ri.AG	Ri.BG						FW.BG	C.stor	
EMF.5.1100	EMF.5	5	Ri.BG			Soil.het	FD.AG		FW.AG		C.stor	
EMF.5.1101	EMF.5	5	Ri.BG				FD.AG	FD.BG			C.stor	
EMF.5.1102	EMF.5	5			Veg.str		FD.AG	FD.BG	FW.AG	FW.BG		
EMF.5.1103	EMF.5	5	Ri.BG				FD.AG					H2O.cap
EMF.5.1104	EMF.5	5	Ri.BG	Ri.Plant						FW.BG	C.stor	Nut.ret
EMF.5.1105	EMF.5	5	Ri.BG		Veg.str			FD.BG	FW.AG	FW.BG		
EMF.5.1106	EMF.5	5	Ri.BG			Soil.het		FD.BG				H2O.cap
EMF.5.1107	EMF.5	5					FD.AG	FD.BG		FW.BG	C.stor	
EMF.5.1108	EMF.5	5						FD.AG		FW.BG		H2O.cap
EMF.5.1109	EMF.5	5				Soil.het		FD.BG				H2O.cap
EMF.5.1110	EMF.5	5	Ri.BG		Veg.str		FD.AG	FD.BG	FW.AG			Nut.ret
EMF.5.1111	EMF.5	5	Ri.BG	Ri.Plant			FD.AG		FW.AG	FW.BG		
EMF.5.1112	EMF.5	5	Ri.AG			Soil.het	FD.AG			FW.BG		Nut.ret
EMF.5.1113	EMF.5	5	Ri.BG				FD.AG		FW.AG	FW.BG		
EMF.5.1114	EMF.5	5	Ri.AG			Soil.het	FD.AG				C.stor	Nut.ret
EMF.5.1115	EMF.5	5	Ri.AG					FD.BG			C.stor	H2O.cap
EMF.5.1116	EMF.5	5	Ri.AG	Ri.BG		Soil.het		FD.BG	FW.AG			
EMF.5.1117	EMF.5	5	Ri.BG			Soil.het					C.stor	H2O.cap
EMF.5.1118	EMF.5	5	Ri.AG	Ri.BG		Soil.het		FD.BG				Nut.ret

EMF.5.1119	EMF.5	5	Ri.BG		Soil.het				C.stor		Nut.ret
EMF.5.1120	EMF.5	5	Ri.BG		Veg.str	FD.AG	FD.BG	FW.BG			
EMF.5.1121	EMF.5	5					FD.BG	FW.BG		H2O.cap	Nut.ret
EMF.5.1122	EMF.5	5				FD.AG		FW.BG	C.stor		Nut.ret
EMF.5.1123	EMF.5	5			Veg.str	Soil.het	FD.AG	FW.AG	FW.BG		
EMF.5.1124	EMF.5	5	Ri.BG		Soil.het	FD.AG				H2O.cap	
EMF.5.1125	EMF.5	5	Ri.BG				FD.BG	FW.BG		H2O.cap	
EMF.5.1126	EMF.5	5	Ri.AG	Ri.BG		FD.AG	FD.BG				Nut.ret
EMF.5.1127	EMF.5	5				Soil.het	FD.BG	FW.BG			Nut.ret
EMF.5.1128	EMF.5	5	Ri.AG			Soil.het	FD.BG	FW.BG			Nut.ret
EMF.5.1129	EMF.5	5	Ri.AG			Soil.het	FD.BG			H2O.cap	Nut.ret
EMF.5.1130	EMF.5	5	Ri.AG				FD.AG	FW.BG	C.stor	H2O.cap	
EMF.5.1131	EMF.5	5	Ri.AG				FD.BG	FW.BG	C.stor	H2O.cap	
EMF.5.1132	EMF.5	5	Ri.AG	Ri.BG			FD.BG		C.stor	H2O.cap	
EMF.5.1133	EMF.5	5	Ri.BG		Veg.str	Soil.het		FW.AG	FW.BG		
EMF.5.1134	EMF.5	5	Ri.BG		Veg.str	Soil.het	FD.AG	FW.AG			
EMF.5.1135	EMF.5	5	Ri.BG			Soil.het				H2O.cap	Nut.ret
EMF.5.1136	EMF.5	5	Ri.AG	Ri.BG			FD.BG			H2O.cap	Nut.ret
EMF.5.1137	EMF.5	5				Soil.het	FD.BG	FW.BG	C.stor		
EMF.5.1138	EMF.5	5	Ri.BG				FD.AG	FW.BG			Nut.ret
EMF.5.1139	EMF.5	5	Ri.BG				FD.AG		C.stor		Nut.ret
EMF.5.1140	EMF.5	5				Soil.het			C.stor	H2O.cap	Nut.ret
EMF.5.1141	EMF.5	5	Ri.AG				FD.BG	FW.BG		H2O.cap	Nut.ret
EMF.5.1142	EMF.5	5	Ri.AG				FD.AG	FD.BG	FW.AG	FW.BG	
EMF.5.1143	EMF.5	5					FD.BG	FW.BG	C.stor		Nut.ret
EMF.5.1144	EMF.5	5	Ri.BG			Soil.het		FW.BG			Nut.ret
EMF.5.1145	EMF.5	5				Soil.het		FW.BG	C.stor	H2O.cap	
EMF.5.1146	EMF.5	5	Ri.AG	Ri.BG			FD.BG	FW.AG	FW.BG		
EMF.5.1147	EMF.5	5	Ri.BG				FD.AG	FW.BG		H2O.cap	
EMF.5.1148	EMF.5	5				Soil.het	FD.AG	FW.BG		H2O.cap	
EMF.5.1149	EMF.5	5	Ri.AG			Soil.het	FD.BG	FW.BG	C.stor		
EMF.5.1150	EMF.5	5	Ri.AG				FD.AG	FD.BG	FW.BG		H2O.cap
EMF.5.1151	EMF.5	5	Ri.AG	Ri.BG			Soil.het	FD.BG		C.stor	
EMF.5.1152	EMF.5	5	Ri.AG				Soil.het		FW.BG	C.stor	H2O.cap
EMF.5.1153	EMF.5	5	Ri.AG				Soil.het		FW.BG	C.stor	Nut.ret
EMF.5.1154	EMF.5	5	Ri.BG	Ri.Plant			FD.AG	FD.BG	FW.BG		
EMF.5.1155	EMF.5	5	Ri.AG				FD.AG		FW.BG		H2O.cap
EMF.5.1156	EMF.5	5	Ri.AG	Ri.BG			FD.AG	FD.BG	FW.AG		
EMF.5.1157	EMF.5	5				Soil.het		FW.BG	C.stor		Nut.ret
EMF.5.1158	EMF.5	5	Ri.BG			Soil.het		FW.BG	C.stor		
EMF.5.1159	EMF.5	5	Ri.BG					FW.AG	FW.BG	C.stor	Nut.ret
EMF.5.1160	EMF.5	5	Ri.AG	Ri.BG			Soil.het	FD.AG		C.stor	
EMF.5.1161	EMF.5	5	Ri.AG					FD.BG	FW.BG	C.stor	Nut.ret
EMF.5.1162	EMF.5	5	Ri.AG				Soil.het			C.stor	H2O.cap
EMF.5.1163	EMF.5	5	Ri.AG	Ri.BG			FD.AG	FW.AG	FW.BG		
EMF.5.1164	EMF.5	5					FD.AG	FW.AG	FW.BG	C.stor	Nut.ret
EMF.5.1165	EMF.5	5	Ri.AG	Ri.BG				FD.BG		C.stor	Nut.ret
EMF.5.1166	EMF.5	5	Ri.AG	Ri.BG				FD.BG	FW.BG		Nut.ret
EMF.5.1167	EMF.5	5	Ri.AG	Ri.BG				FD.AG		C.stor	H2O.cap
EMF.5.1168	EMF.5	5				Soil.het	FD.AG	FD.BG		C.stor	H2O.cap
EMF.5.1169	EMF.5	5				Soil.het		FD.BG	FW.BG		H2O.cap
EMF.5.1170	EMF.5	5	Ri.AG	Ri.BG			Soil.het			C.stor	H2O.cap
EMF.5.1171	EMF.5	5	Ri.BG				FD.AG	FW.AG		C.stor	Nut.ret
EMF.5.1172	EMF.5	5	Ri.AG				FD.AG			C.stor	H2O.cap
EMF.5.1173	EMF.5	5					FD.AG	FD.BG		C.stor	H2O.cap
EMF.5.1174	EMF.5	5	Ri.AG				FD.AG	FD.BG	FW.BG	C.stor	
EMF.5.1175	EMF.5	5	Ri.AG				Soil.het	FD.AG			H2O.cap
EMF.5.1176	EMF.5	5	Ri.BG				Soil.het	FD.AG	FD.BG		Nut.ret
EMF.5.1177	EMF.5	5	Ri.AG				Soil.het	FD.AG	FD.BG		H2O.cap
EMF.5.1178	EMF.5	5	Ri.BG			Veg.str	Soil.het	FD.AG		FW.BG	
EMF.5.1179	EMF.5	5	Ri.AG					FD.AG	FW.BG	C.stor	Nut.ret
EMF.5.1180	EMF.5	5	Ri.AG	Ri.BG				FD.AG	FD.BG		H2O.cap
EMF.5.1181	EMF.5	5	Ri.AG	Ri.BG			Soil.het			C.stor	Nut.ret

EMF.5.1182	EMF.5	5	Ri.BG	Soil.het			FW.BG	H2O.cap	
EMF.5.1183	EMF.5	5		Soil.het			FW.BG	H2O.cap	Nut.ret
EMF.5.1184	EMF.5	5	Ri.AG	Soil.het			FW.BG	H2O.cap	Nut.ret
EMF.5.1185	EMF.5	5	Ri.AG	Ri.BG	Soil.het		FW.BG		Nut.ret
EMF.5.1186	EMF.5	5	Ri.BG			FD.BG	FW.AG	FW.BG	C.stor
EMF.5.1187	EMF.5	5			FD.AG	FD.BG		FW.BG	C.stor
EMF.5.1188	EMF.5	5	Ri.AG	Ri.BG	Soil.het	FD.AG			Nut.ret
EMF.5.1189	EMF.5	5	Ri.BG			FD.AG	FD.BG	FW.AG	C.stor
EMF.5.1190	EMF.5	5				FD.AG	FD.BG	FW.AG	FW.BG
EMF.5.1191	EMF.5	5	Ri.AG		Soil.het	FD.AG		FW.BG	H2O.cap
EMF.5.1192	EMF.5	5	Ri.BG			FD.AG		FW.AG	FW.BG
EMF.5.1193	EMF.5	5	Ri.BG			FD.AG	FD.BG		C.stor
EMF.5.1194	EMF.5	5	Ri.AG		Soil.het		FD.BG		FW.BG
EMF.5.1195	EMF.5	5	Ri.AG	Ri.BG	Soil.het			FW.BG	C.stor
EMF.5.1196	EMF.5	5	Ri.AG	Ri.BG	Soil.het		FD.BG		H2O.cap
EMF.5.1197	EMF.5	5	Ri.BG			FD.AG		FW.BG	C.stor
EMF.5.1198	EMF.5	5	Ri.AG	Ri.BG		FD.AG		FW.BG	Nut.ret
EMF.5.1199	EMF.5	5	Ri.BG						C.stor
EMF.5.1200	EMF.5	5	Ri.BG				FD.BG	FW.BG	C.stor
EMF.5.1201	EMF.5	5	Ri.AG	Ri.BG			FD.BG	FW.BG	H2O.cap
EMF.5.1202	EMF.5	5	Ri.BG		Soil.het		FD.BG	FW.BG	
EMF.5.1203	EMF.5	5	Ri.BG					FW.BG	C.stor
EMF.5.1204	EMF.5	5	Ri.AG	Ri.BG		FD.AG	FD.BG		C.stor
EMF.5.1205	EMF.5	5	Ri.BG					FW.BG	H2O.cap
EMF.5.1206	EMF.5	5	Ri.BG		Soil.het	FD.AG		FW.BG	
EMF.5.1207	EMF.5	5						FW.BG	C.stor
EMF.5.1208	EMF.5	5			Soil.het	FD.AG	FD.BG		C.stor
EMF.5.1209	EMF.5	5	Ri.BG		Veg.str	FD.AG		FW.AG	FW.BG
EMF.5.1210	EMF.5	5	Ri.AG	Ri.BG	Soil.het				H2O.cap
EMF.5.1211	EMF.5	5	Ri.AG	Ri.BG		FD.AG		FW.BG	H2O.cap
EMF.5.1212	EMF.5	5	Ri.AG	Ri.BG		FD.AG			H2O.cap
EMF.5.1213	EMF.5	5			Soil.het	FD.AG	FD.BG		FW.BG
EMF.5.1214	EMF.5	5	Ri.BG			FD.AG	FD.BG		FW.BG
EMF.5.1215	EMF.5	5	Ri.AG					FW.BG	C.stor
EMF.5.1216	EMF.5	5	Ri.AG	Ri.BG	Soil.het			FW.BG	H2O.cap
EMF.5.1217	EMF.5	5	Ri.AG	Ri.BG	Soil.het	FD.AG			H2O.cap
EMF.5.1218	EMF.5	5	Ri.AG	Ri.BG				FW.BG	C.stor
EMF.5.1219	EMF.5	5	Ri.AG	Ri.BG		FD.AG			C.stor
EMF.5.1220	EMF.5	5	Ri.AG	Ri.BG		FD.AG		FW.BG	C.stor
EMF.5.1221	EMF.5	5	Ri.AG	Ri.BG					C.stor
EMF.5.1222	EMF.5	5			Soil.het		FD.BG		C.stor
EMF.5.1223	EMF.5	5	Ri.BG					FW.BG	C.stor
EMF.5.1224	EMF.5	5	Ri.BG		Soil.het		FD.BG		C.stor
EMF.5.1225	EMF.5	5	Ri.AG	Ri.BG				FW.BG	H2O.cap
EMF.5.1226	EMF.5	5	Ri.AG	Ri.BG			FD.BG	FW.BG	C.stor
EMF.5.1227	EMF.5	5	Ri.AG		Soil.het	FD.AG	FD.BG	FW.BG	
EMF.5.1228	EMF.5	5	Ri.BG			FD.AG	FD.BG		H2O.cap
EMF.5.1229	EMF.5	5				FD.AG	FD.BG	FW.BG	C.stor
EMF.5.1230	EMF.5	5	Ri.BG		Soil.het		FD.BG		C.stor
EMF.5.1231	EMF.5	5	Ri.BG			FD.AG	FD.BG		C.stor
EMF.5.1232	EMF.5	5			Soil.het		FD.BG	FW.BG	C.stor
EMF.5.1233	EMF.5	5	Ri.BG				FD.BG		C.stor
EMF.5.1234	EMF.5	5	Ri.BG			FD.AG		FW.AG	FW.BG
EMF.5.1235	EMF.5	5	Ri.AG	Ri.BG	Soil.het		FD.BG		FW.BG
EMF.5.1236	EMF.5	5	Ri.AG	Ri.BG	Soil.het	FD.AG			FW.BG
EMF.5.1237	EMF.5	5					FD.BG	FW.BG	C.stor
EMF.5.1238	EMF.5	5				FD.AG	FD.BG	FW.BG	C.stor
EMF.5.1239	EMF.5	5	Ri.BG		Soil.het	FD.AG	FD.BG		H2O.cap
EMF.5.1240	EMF.5	5	Ri.AG	Ri.BG				FW.BG	C.stor
EMF.5.1241	EMF.5	5			Soil.het	FD.AG	FD.BG		H2O.cap
EMF.5.1242	EMF.5	5	Ri.BG				FD.BG	FW.BG	C.stor
EMF.5.1243	EMF.5	5	Ri.BG		Soil.het		FD.BG		H2O.cap
EMF.5.1244	EMF.5	5			Soil.het		FD.BG	FW.BG	C.stor

EMF.5.1245	EMF.5	5			Soil.het	FD.AG		FW.BG	C.stor	H2O.cap	
EMF.5.1246	EMF.5	5			Soil.het	FD.AG	FD.BG	FW.BG	C.stor		
EMF.5.1247	EMF.5	5		Ri.BG	Soil.het	FD.AG	FD.BG	FW.AG			
EMF.5.1248	EMF.5	5		Ri.AG	Soil.het	FD.AG	FD.BG				
EMF.5.1249	EMF.5	5		Ri.BG	Soil.het	FD.AG	FD.BG		C.stor		
EMF.5.1250	EMF.5	5			Soil.het	FD.AG	FD.BG	FW.AG	FW.BG		
EMF.5.1251	EMF.5	5				FD.AG	FD.BG		C.stor	H2O.cap	Nut.ret
EMF.5.1252	EMF.5	5		Ri.BG		FD.AG	FD.BG	FW.BG			Nut.ret
EMF.5.1253	EMF.5	5		Ri.BG			FD.BG	FW.BG		H2O.cap	Nut.ret
EMF.5.1254	EMF.5	5		Ri.AG		FD.AG	FD.BG	FW.BG			
EMF.5.1255	EMF.5	5			Soil.het	FD.AG	FD.BG	FW.BG			Nut.ret
EMF.5.1256	EMF.5	5		Ri.BG	Soil.het	FD.AG			C.stor	H2O.cap	
EMF.5.1257	EMF.5	5		Ri.BG	Soil.het		FD.BG	FW.BG			Nut.ret
EMF.5.1258	EMF.5	5		Ri.BG	Soil.het	FD.AG		FW.AG	FW.BG		
EMF.5.1259	EMF.5	5			Soil.het	FD.AG		FW.BG	C.stor		Nut.ret
EMF.5.1260	EMF.5	5			Soil.het		FD.BG	FW.BG		H2O.cap	Nut.ret
EMF.5.1261	EMF.5	5		Ri.BG	Soil.het		FD.BG	FW.AG	FW.BG		
EMF.5.1262	EMF.5	5		Ri.BG			FD.BG	FW.BG	C.stor		Nut.ret
EMF.5.1263	EMF.5	5		Ri.BG	Soil.het		FD.BG	FW.BG	C.stor		
EMF.5.1264	EMF.5	5		Ri.BG	Soil.het	FD.AG			C.stor		Nut.ret
EMF.5.1265	EMF.5	5		Ri.BG		FD.AG	FD.BG	FW.AG	FW.BG		
EMF.5.1266	EMF.5	5				FD.AG		FW.BG	C.stor	H2O.cap	Nut.ret
EMF.5.1267	EMF.5	5		Ri.BG		FD.AG		FW.BG	C.stor	H2O.cap	
EMF.5.1268	EMF.5	5		Ri.BG		FD.AG			C.stor	H2O.cap	Nut.ret
EMF.5.1269	EMF.5	5		Ri.BG		FD.AG	FD.BG	FW.BG		H2O.cap	
EMF.5.1270	EMF.5	5		Ri.BG	Soil.het	FD.AG	FD.BG			H2O.cap	
EMF.5.1271	EMF.5	5		Ri.BG	Soil.het				C.stor	H2O.cap	Nut.ret
EMF.5.1272	EMF.5	5			Soil.het			FW.BG	C.stor	H2O.cap	Nut.ret
EMF.5.1273	EMF.5	5		Ri.BG	Soil.het	FD.AG		FW.BG	C.stor		
EMF.5.1274	EMF.5	5		Ri.BG	Soil.het			FW.BG	C.stor	H2O.cap	
EMF.5.1275	EMF.5	5			Soil.het	FD.AG	FD.BG	FW.BG		H2O.cap	
EMF.5.1276	EMF.5	5		Ri.BG		FD.AG	FD.BG	FW.BG	C.stor		
EMF.5.1277	EMF.5	5		Ri.BG	Soil.het		FD.BG	FW.BG		H2O.cap	
EMF.5.1278	EMF.5	5			Soil.het	FD.AG		FW.BG		H2O.cap	Nut.ret
EMF.5.1279	EMF.5	5		Ri.BG	Soil.het			FW.BG	C.stor		Nut.ret
EMF.5.1280	EMF.5	5		Ri.BG	Soil.het	FD.AG				H2O.cap	Nut.ret
EMF.5.1281	EMF.5	5		Ri.BG	Soil.het	FD.AG		FW.BG			Nut.ret
EMF.5.1282	EMF.5	5		Ri.BG		FD.AG		FW.BG		H2O.cap	Nut.ret
EMF.5.1283	EMF.5	5		Ri.BG	Soil.het			FW.BG		H2O.cap	Nut.ret
EMF.5.1284	EMF.5	5		Ri.BG		FD.AG		FW.BG	C.stor		Nut.ret
EMF.5.1285	EMF.5	5		Ri.BG				FW.BG	C.stor	H2O.cap	Nut.ret
EMF.5.1286	EMF.5	5		Ri.BG	Soil.het	FD.AG		FW.BG		H2O.cap	
EMF.5.1287	EMF.5	5		Ri.BG	Soil.het	FD.AG	FD.BG	FW.BG			
EMF.4.0001	EMF.4	4		Ri.AG				FW.AG		H2O.cap	
EMF.4.0002	EMF.4	4						FW.AG	C.stor	H2O.cap	
EMF.4.0003	EMF.4	4		Ri.AG				FW.AG		H2O.cap	
EMF.4.0004	EMF.4	4		Ri.AG		Soil.het			C.stor		
EMF.4.0005	EMF.4	4				Veg.str		FD.BG	C.stor	H2O.cap	
EMF.4.0006	EMF.4	4				Ri.Plant		FW.AG		H2O.cap	
EMF.4.0007	EMF.4	4		Ri.AG		Ri.Plant		Soil.het			Nut.ret
EMF.4.0008	EMF.4	4		Ri.AG		Veg.str		FD.BG			Nut.ret
EMF.4.0009	EMF.4	4				Veg.str		FD.BG		H2O.cap	Nut.ret
EMF.4.0010	EMF.4	4				Veg.str		FD.BG			Nut.ret
EMF.4.0011	EMF.4	4		Ri.AG		Ri.Plant		Soil.het		FW.AG	
EMF.4.0012	EMF.4	4		Ri.AG		Ri.Plant		Soil.het		H2O.cap	
EMF.4.0013	EMF.4	4				Ri.Plant	Veg.str		FW.AG	H2O.cap	
EMF.4.0014	EMF.4	4				Ri.Plant		Soil.het		FW.AG	H2O.cap
EMF.4.0015	EMF.4	4				Veg.str			FW.AG	H2O.cap	
EMF.4.0016	EMF.4	4							FW.AG	C.stor	H2O.cap
EMF.4.0017	EMF.4	4		Ri.AG		Ri.Plant	Veg.str			H2O.cap	
EMF.4.0018	EMF.4	4				Ri.Plant	Veg.str		FD.BG		Nut.ret
EMF.4.0019	EMF.4	4				Ri.Plant			FD.BG	FW.AG	H2O.cap
EMF.4.0020	EMF.4	4				Veg.str			FD.BG	FW.AG	Nut.ret

EMF.4.0021	EMF.4	4	Ri.AG	Ri.Plant	Veg.str	Soil.het						
EMF.4.0022	EMF.4	4		Ri.Plant				FW.AG		H2O.cap	Nut.ret	
EMF.4.0023	EMF.4	4	Ri.AG	Ri.Plant				FW.AG			Nut.ret	
EMF.4.0024	EMF.4	4			Veg.str		FD.BG		C.stor		Nut.ret	
EMF.4.0025	EMF.4	4			Veg.str	Soil.het	FD.BG				Nut.ret	
EMF.4.0026	EMF.4	4			Veg.str		FD.AG	FD.BG			Nut.ret	
EMF.4.0027	EMF.4	4	Ri.AG	Ri.Plant		Soil.het						
EMF.4.0028	EMF.4	4			Veg.str		FD.BG	FW.AG		H2O.cap		
EMF.4.0029	EMF.4	4	Ri.BG		Veg.str		FD.BG				Nut.ret	
EMF.4.0030	EMF.4	4			Veg.str			FW.AG	C.stor	H2O.cap		
EMF.4.0031	EMF.4	4		Ri.Plant	Veg.str		FD.BG			H2O.cap		
EMF.4.0032	EMF.4	4	Ri.AG	Ri.Plant			FD.AG			H2O.cap		
EMF.4.0033	EMF.4	4		Ri.Plant		Soil.het		FW.AG	C.stor			
EMF.4.0034	EMF.4	4			Veg.str		FD.BG			H2O.cap		
EMF.4.0035	EMF.4	4	Ri.BG	Ri.Plant				FW.AG		H2O.cap		
EMF.4.0036	EMF.4	4		Ri.Plant			FD.AG	FW.AG		H2O.cap		
EMF.4.0037	EMF.4	4		Ri.Plant				FW.AG	FW.BG	H2O.cap		
EMF.4.0038	EMF.4	4	Ri.AG		Veg.str			FW.AG		H2O.cap		
EMF.4.0039	EMF.4	4	Ri.AG		Veg.str		FD.BG			H2O.cap		
EMF.4.0040	EMF.4	4	Ri.AG	Ri.Plant		Soil.het	FD.AG					
EMF.4.0041	EMF.4	4			Veg.str		FD.BG	FW.BG			Nut.ret	
EMF.4.0042	EMF.4	4					FD.BG	FW.AG		H2O.cap		
EMF.4.0043	EMF.4	4		Ri.Plant	Veg.str	Soil.het			C.stor			
EMF.4.0044	EMF.4	4	Ri.AG	Ri.Plant		Soil.het		FW.BG				
EMF.4.0045	EMF.4	4		Ri.Plant		Soil.het		FW.AG			Nut.ret	
EMF.4.0046	EMF.4	4	Ri.AG	Ri.Plant	Veg.str						Nut.ret	
EMF.4.0047	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant	Soil.het						
EMF.4.0048	EMF.4	4						FW.AG		H2O.cap	Nut.ret	
EMF.4.0049	EMF.4	4		Ri.Plant	Veg.str	Soil.het					Nut.ret	
EMF.4.0050	EMF.4	4	Ri.AG					FW.AG	C.stor	H2O.cap		
EMF.4.0051	EMF.4	4	Ri.AG	Ri.Plant						H2O.cap		
EMF.4.0052	EMF.4	4	Ri.AG					FW.AG			Nut.ret	
EMF.4.0053	EMF.4	4					FD.BG	FW.AG	C.stor	H2O.cap		
EMF.4.0054	EMF.4	4	Ri.AG	Ri.Plant			FD.BG			H2O.cap		
EMF.4.0055	EMF.4	4	Ri.AG	Ri.Plant		Soil.het	FD.BG					
EMF.4.0056	EMF.4	4	Ri.AG	Ri.Plant				FW.AG				
EMF.4.0057	EMF.4	4	Ri.AG		Veg.str					H2O.cap		
EMF.4.0058	EMF.4	4				Soil.het		FW.AG		H2O.cap		
EMF.4.0059	EMF.4	4	Ri.BG					FW.AG		H2O.cap		
EMF.4.0060	EMF.4	4	Ri.AG	Ri.Plant			FD.AG				Nut.ret	
EMF.4.0061	EMF.4	4	Ri.AG	Ri.Plant					C.stor	H2O.cap		
EMF.4.0062	EMF.4	4	Ri.AG	Ri.Plant						H2O.cap	Nut.ret	
EMF.4.0063	EMF.4	4		Ri.Plant	Veg.str	Soil.het				H2O.cap		
EMF.4.0064	EMF.4	4					FD.AG	FW.AG		H2O.cap		
EMF.4.0065	EMF.4	4						FW.AG	FW.BG	H2O.cap		
EMF.4.0066	EMF.4	4	Ri.AG		Veg.str						Nut.ret	
EMF.4.0067	EMF.4	4			Veg.str			FW.AG		H2O.cap	Nut.ret	
EMF.4.0068	EMF.4	4	Ri.AG	Ri.Plant			FD.BG				Nut.ret	
EMF.4.0069	EMF.4	4		Ri.Plant	Veg.str				C.stor	H2O.cap		
EMF.4.0070	EMF.4	4	Ri.AG	Ri.Plant				FW.BG		H2O.cap		
EMF.4.0071	EMF.4	4			Veg.str			FW.AG			Nut.ret	
EMF.4.0072	EMF.4	4			Veg.str	Soil.het	FD.BG		C.stor			
EMF.4.0073	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant					H2O.cap		
EMF.4.0074	EMF.4	4		Ri.Plant	Veg.str					H2O.cap		
EMF.4.0075	EMF.4	4	Ri.AG	Ri.Plant				FW.AG	C.stor			
EMF.4.0076	EMF.4	4	Ri.AG	Ri.Plant							Nut.ret	
EMF.4.0077	EMF.4	4	Ri.AG		Veg.str	Soil.het					Nut.ret	
EMF.4.0078	EMF.4	4	Ri.AG	Ri.Plant	Veg.str							
EMF.4.0079	EMF.4	4	Ri.AG				FD.BG	FW.AG		H2O.cap		
EMF.4.0080	EMF.4	4			Veg.str	Soil.het					Nut.ret	
EMF.4.0081	EMF.4	4		Ri.Plant	Veg.str					H2O.cap	Nut.ret	
EMF.4.0082	EMF.4	4		Ri.Plant				FW.AG			Nut.ret	
EMF.4.0083	EMF.4	4	Ri.AG					FW.AG		H2O.cap	Nut.ret	

EMF.4.0084	EMF.4	4	Ri.Plant	Veg.str	FD.AG			H2O.cap	
EMF.4.0085	EMF.4	4		Veg.str	FD.AG	FD.BG		H2O.cap	
EMF.4.0086	EMF.4	4	Ri.Plant	Soil.het	FD.AG			C.stor	
EMF.4.0087	EMF.4	4	Ri.BG	Veg.str		FD.BG		H2O.cap	
EMF.4.0088	EMF.4	4		Soil.het		FW.AG		C.stor	H2O.cap
EMF.4.0089	EMF.4	4	Ri.AG	Veg.str	Soil.het				
EMF.4.0090	EMF.4	4	Ri.AG	Ri.Plant	FD.AG				
EMF.4.0091	EMF.4	4	Ri.AG	Ri.Plant	Veg.str		FD.BG		
EMF.4.0092	EMF.4	4		Veg.str		FD.BG		C.stor	
EMF.4.0093	EMF.4	4	Ri.AG		Soil.het		FW.AG		
EMF.4.0094	EMF.4	4		Ri.Plant		FD.BG	FW.AG		Nut.ret
EMF.4.0095	EMF.4	4		Veg.str		FD.BG	FW.BG	H2O.cap	
EMF.4.0096	EMF.4	4		Veg.str	Soil.het	FD.BG		H2O.cap	
EMF.4.0097	EMF.4	4		Veg.str	Soil.het			C.stor	
EMF.4.0098	EMF.4	4	Ri.AG	Veg.str	Soil.het			C.stor	
EMF.4.0099	EMF.4	4		Ri.Plant	Veg.str		FW.AG		Nut.ret
EMF.4.0100	EMF.4	4	Ri.AG	Veg.str			FW.AG		Nut.ret
EMF.4.0101	EMF.4	4	Ri.AG	Veg.str		FD.BG			
EMF.4.0102	EMF.4	4		Veg.str				C.stor	H2O.cap
EMF.4.0103	EMF.4	4	Ri.AG	Ri.Plant	Veg.str			C.stor	
EMF.4.0104	EMF.4	4	Ri.AG	Ri.Plant	Veg.str		FW.AG		
EMF.4.0105	EMF.4	4	Ri.AG	Veg.str		FD.BG		C.stor	
EMF.4.0106	EMF.4	4			Soil.het		FW.AG		Nut.ret
EMF.4.0107	EMF.4	4		Ri.Plant	Soil.het			C.stor	H2O.cap
EMF.4.0108	EMF.4	4				FD.BG	FW.AG		Nut.ret
EMF.4.0109	EMF.4	4	Ri.AG	Ri.Plant			FW.AG	FW.BG	
EMF.4.0110	EMF.4	4		Veg.str	Soil.het		FW.AG	H2O.cap	
EMF.4.0111	EMF.4	4		Veg.str				H2O.cap	Nut.ret
EMF.4.0112	EMF.4	4	Ri.AG	Ri.Plant		FD.BG	FW.AG		
EMF.4.0113	EMF.4	4	Ri.AG				FW.AG	FW.BG	H2O.cap
EMF.4.0114	EMF.4	4			Soil.het		FW.AG	C.stor	
EMF.4.0115	EMF.4	4	Ri.AG		Soil.het		FW.AG	H2O.cap	
EMF.4.0116	EMF.4	4	Ri.AG	Veg.str			FW.AG		
EMF.4.0117	EMF.4	4	Ri.AG			FD.AG	FW.AG	H2O.cap	
EMF.4.0118	EMF.4	4		Veg.str		FD.AG	FW.AG	H2O.cap	
EMF.4.0119	EMF.4	4	Ri.AG	Veg.str				C.stor	H2O.cap
EMF.4.0120	EMF.4	4		Veg.str		FD.AG		H2O.cap	
EMF.4.0121	EMF.4	4	Ri.AG	Ri.Plant			FW.BG		Nut.ret
EMF.4.0122	EMF.4	4		Ri.Plant	Veg.str				Nut.ret
EMF.4.0123	EMF.4	4	Ri.AG	Ri.Plant		FD.AG		C.stor	
EMF.4.0124	EMF.4	4		Veg.str	Soil.het			C.stor	H2O.cap
EMF.4.0125	EMF.4	4		Ri.Plant	Veg.str		FD.BG	C.stor	
EMF.4.0126	EMF.4	4		Veg.str			FW.AG	FW.BG	H2O.cap
EMF.4.0127	EMF.4	4		Veg.str		FD.AG			Nut.ret
EMF.4.0128	EMF.4	4		Ri.Plant	Veg.str			FW.BG	H2O.cap
EMF.4.0129	EMF.4	4	Ri.BG	Ri.Plant	Veg.str			H2O.cap	
EMF.4.0130	EMF.4	4	Ri.AG				FW.AG	C.stor	
EMF.4.0131	EMF.4	4	Ri.AG	Veg.str				H2O.cap	Nut.ret
EMF.4.0132	EMF.4	4		Veg.str	Soil.het		FW.AG		Nut.ret
EMF.4.0133	EMF.4	4	Ri.BG	Veg.str			FW.AG	H2O.cap	
EMF.4.0134	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant		FW.AG		
EMF.4.0135	EMF.4	4	Ri.AG	Ri.Plant		FD.BG			
EMF.4.0136	EMF.4	4	Ri.AG	Ri.Plant				C.stor	Nut.ret
EMF.4.0137	EMF.4	4	Ri.AG	Ri.Plant	Veg.str			FW.BG	
EMF.4.0138	EMF.4	4		Ri.Plant	Soil.het		FW.AG		
EMF.4.0139	EMF.4	4		Veg.str	Soil.het			H2O.cap	
EMF.4.0140	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant				Nut.ret
EMF.4.0141	EMF.4	4	Ri.AG	Ri.Plant		FD.AG	FW.AG		
EMF.4.0142	EMF.4	4	Ri.AG	Ri.Plant				C.stor	
EMF.4.0143	EMF.4	4	Ri.AG	Ri.Plant	Veg.str	FD.AG			
EMF.4.0144	EMF.4	4		Ri.Plant	Soil.het			C.stor	
EMF.4.0145	EMF.4	4	Ri.AG	Ri.BG			FW.AG	H2O.cap	
EMF.4.0146	EMF.4	4		Ri.Plant	Veg.str	Soil.het			



EMF.4.0147	EMF.4	4					FD.BG	FW.AG		H2O.cap	Nut.ret
EMF.4.0148	EMF.4	4	Ri.AG		Veg.str	Soil.het				H2O.cap	
EMF.4.0149	EMF.4	4	Ri.AG		Ri.Plant				FW.BG		
EMF.4.0150	EMF.4	4			Ri.Plant		FD.AG			C.stor	H2O.cap
EMF.4.0151	EMF.4	4			Ri.Plant	Veg.str	FD.AG				Nut.ret
EMF.4.0152	EMF.4	4				Veg.str	Soil.het		FW.AG	C.stor	
EMF.4.0153	EMF.4	4			Ri.Plant		Soil.het			C.stor	Nut.ret
EMF.4.0154	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant	Veg.str					
EMF.4.0155	EMF.4	4	Ri.AG			Veg.str				C.stor	
EMF.4.0156	EMF.4	4	Ri.AG		Ri.Plant			FD.BG		C.stor	
EMF.4.0157	EMF.4	4	Ri.AG		Ri.Plant		FD.AG		FW.BG		
EMF.4.0158	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant						
EMF.4.0159	EMF.4	4				Veg.str	Soil.het			C.stor	Nut.ret
EMF.4.0160	EMF.4	4		Ri.BG					FW.AG	C.stor	H2O.cap
EMF.4.0161	EMF.4	4			Ri.Plant		Soil.het	FD.AG			Nut.ret
EMF.4.0162	EMF.4	4			Ri.Plant		Soil.het				Nut.ret
EMF.4.0163	EMF.4	4			Ri.Plant			FD.AG			H2O.cap
EMF.4.0164	EMF.4	4					FD.AG		FW.AG	C.stor	H2O.cap
EMF.4.0165	EMF.4	4							FW.AG	C.stor	H2O.cap
EMF.4.0166	EMF.4	4			Ri.Plant		Soil.het	FD.BG		C.stor	
EMF.4.0167	EMF.4	4							FW.AG	FW.BG	C.stor
EMF.4.0168	EMF.4	4				Veg.str		FD.AG		C.stor	H2O.cap
EMF.4.0169	EMF.4	4				Veg.str		FD.AG	FD.BG	C.stor	
EMF.4.0170	EMF.4	4		Ri.BG	Ri.Plant		Soil.het			C.stor	
EMF.4.0171	EMF.4	4		Ri.BG		Veg.str					H2O.cap
EMF.4.0172	EMF.4	4	Ri.AG			Veg.str				FW.BG	H2O.cap
EMF.4.0173	EMF.4	4	Ri.AG			Soil.het			FW.AG		Nut.ret
EMF.4.0174	EMF.4	4				Veg.str				FW.BG	H2O.cap
EMF.4.0175	EMF.4	4				Veg.str		FD.BG	FW.AG	C.stor	
EMF.4.0176	EMF.4	4	Ri.AG			Veg.str				FW.BG	Nut.ret
EMF.4.0177	EMF.4	4	Ri.AG					FD.BG	FW.AG		Nut.ret
EMF.4.0178	EMF.4	4	Ri.AG			Veg.str		FD.AG			
EMF.4.0179	EMF.4	4	Ri.AG			Veg.str		FD.AG			H2O.cap
EMF.4.0180	EMF.4	4	Ri.AG		Ri.Plant			FD.AG	FD.BG		
EMF.4.0181	EMF.4	4		Ri.BG	Ri.Plant		Soil.het				Nut.ret
EMF.4.0182	EMF.4	4	Ri.AG						FW.AG	FW.BG	
EMF.4.0183	EMF.4	4	Ri.AG					FD.BG	FW.AG		
EMF.4.0184	EMF.4	4	Ri.AG			Veg.str				FW.BG	
EMF.4.0185	EMF.4	4	Ri.AG				Soil.het		FW.AG	C.stor	
EMF.4.0186	EMF.4	4			Ri.Plant		Soil.het				H2O.cap
EMF.4.0187	EMF.4	4			Ri.Plant				FW.AG	C.stor	Nut.ret
EMF.4.0188	EMF.4	4	Ri.AG			Veg.str		FD.AG			Nut.ret
EMF.4.0189	EMF.4	4			Ri.Plant	Veg.str	Soil.het		FW.AG		
EMF.4.0190	EMF.4	4			Ri.Plant		Soil.het	FD.BG			Nut.ret
EMF.4.0191	EMF.4	4			Ri.Plant			FD.BG		C.stor	H2O.cap
EMF.4.0192	EMF.4	4			Ri.Plant	Veg.str	Soil.het	FD.BG			
EMF.4.0193	EMF.4	4			Ri.Plant	Veg.str				C.stor	Nut.ret
EMF.4.0194	EMF.4	4			Ri.Plant		Soil.het			FW.BG	C.stor
EMF.4.0195	EMF.4	4			Ri.Plant				FW.AG	C.stor	
EMF.4.0196	EMF.4	4				Veg.str				C.stor	Nut.ret
EMF.4.0197	EMF.4	4	Ri.AG	Ri.BG		Veg.str					H2O.cap
EMF.4.0198	EMF.4	4				Veg.str				FW.BG	Nut.ret
EMF.4.0199	EMF.4	4			Ri.Plant		Soil.het	FD.AG			H2O.cap
EMF.4.0200	EMF.4	4				Veg.str			FW.AG	C.stor	
EMF.4.0201	EMF.4	4			Ri.Plant		Soil.het				H2O.cap
EMF.4.0202	EMF.4	4			Ri.Plant	Veg.str				FW.BG	Nut.ret
EMF.4.0203	EMF.4	4	Ri.AG		Ri.Plant					FW.BG	C.stor
EMF.4.0204	EMF.4	4			Ri.Plant				FW.AG	FW.BG	Nut.ret
EMF.4.0205	EMF.4	4		Ri.BG		Veg.str					Nut.ret
EMF.4.0206	EMF.4	4							FW.AG	C.stor	Nut.ret
EMF.4.0207	EMF.4	4			Ri.Plant	Veg.str		FD.BG			
EMF.4.0208	EMF.4	4			Ri.Plant			FD.AG		FW.AG	Nut.ret
EMF.4.0209	EMF.4	4	Ri.AG		Ri.Plant			FD.BG		FW.BG	

EMF.4.0210	EMF.4	4	Ri.BG	Ri.Plant				FW.AG				Nut.ret		
EMF.4.0211	EMF.4	4	Ri.BG	Ri.Plant	Veg.str							Nut.ret		
EMF.4.0212	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant		FD.AG							
EMF.4.0213	EMF.4	4		Ri.Plant			FD.AG	FD.BG				H2O.cap		
EMF.4.0214	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant						C.stor			
EMF.4.0215	EMF.4	4	Ri.AG	Ri.BG				FW.AG						
EMF.4.0216	EMF.4	4			Veg.str	Soil.het						H2O.cap	Nut.ret	
EMF.4.0217	EMF.4	4		Ri.BG					FW.AG				Nut.ret	
EMF.4.0218	EMF.4	4	Ri.AG				FD.AG		FW.AG					
EMF.4.0219	EMF.4	4			Veg.str	Soil.het		FD.BG						
EMF.4.0220	EMF.4	4	Ri.AG	Ri.BG		Veg.str								
EMF.4.0221	EMF.4	4			Veg.str	Soil.het			FW.AG					
EMF.4.0222	EMF.4	4			Veg.str			FD.BG		FW.BG		C.stor		
EMF.4.0223	EMF.4	4	Ri.AG		Veg.str							C.stor	Nut.ret	
EMF.4.0224	EMF.4	4		Ri.BG	Veg.str			FD.BG				C.stor		
EMF.4.0225	EMF.4	4			Ri.Plant			FD.BG				H2O.cap		
EMF.4.0226	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant			FD.BG						
EMF.4.0227	EMF.4	4						FW.AG	FW.BG				Nut.ret	
EMF.4.0228	EMF.4	4	Ri.AG	Ri.BG		Veg.str							Nut.ret	
EMF.4.0229	EMF.4	4		Ri.BG	Ri.Plant		Soil.het					H2O.cap		
EMF.4.0230	EMF.4	4						FD.AG		FW.AG			Nut.ret	
EMF.4.0231	EMF.4	4		Ri.BG	Ri.Plant	Veg.str	Soil.het							
EMF.4.0232	EMF.4	4			Veg.str				FD.BG	FW.AG				
EMF.4.0233	EMF.4	4			Ri.Plant		Soil.het		FD.BG			H2O.cap		
EMF.4.0234	EMF.4	4			Ri.Plant				FD.BG			H2O.cap	Nut.ret	
EMF.4.0235	EMF.4	4			Ri.Plant	Veg.str	Soil.het				FW.BG			
EMF.4.0236	EMF.4	4			Ri.Plant			FD.AG					Nut.ret	
EMF.4.0237	EMF.4	4			Ri.Plant	Veg.str						C.stor		
EMF.4.0238	EMF.4	4			Ri.Plant			FD.AG				H2O.cap	Nut.ret	
EMF.4.0239	EMF.4	4			Veg.str	Soil.het					FW.BG		Nut.ret	
EMF.4.0240	EMF.4	4	Ri.AG		Veg.str	Soil.het			FD.BG					
EMF.4.0241	EMF.4	4	Ri.AG	Ri.BG	Ri.Plant						FW.BG			
EMF.4.0242	EMF.4	4			Ri.Plant	Veg.str				FW.AG				
EMF.4.0243	EMF.4	4			Ri.Plant	Veg.str	Soil.het	FD.AG						
EMF.4.0244	EMF.4	4			Veg.str	Soil.het		FD.AG				C.stor		
EMF.4.0245	EMF.4	4			Ri.Plant			FD.AG	FD.BG				Nut.ret	
EMF.4.0246	EMF.4	4			Veg.str							C.stor	H2O.cap	Nut.ret
EMF.4.0247	EMF.4	4			Ri.Plant		Soil.het				FW.BG			Nut.ret
EMF.4.0248	EMF.4	4						FD.AG	FD.BG	FW.AG			H2O.cap	
EMF.4.0249	EMF.4	4		Ri.BG		Veg.str						C.stor	H2O.cap	
EMF.4.0250	EMF.4	4			Veg.str	Soil.het		FD.AG						Nut.ret
EMF.4.0251	EMF.4	4		Ri.BG	Ri.Plant		Soil.het			FW.AG				
EMF.4.0252	EMF.4	4		Ri.BG	Ri.Plant		Soil.het							
EMF.4.0253	EMF.4	4			Veg.str			FD.AG					C.stor	
EMF.4.0254	EMF.4	4			Ri.Plant	Veg.str				FW.AG			C.stor	
EMF.4.0255	EMF.4	4			Ri.Plant								C.stor	H2O.cap
EMF.4.0256	EMF.4	4			Veg.str					FW.AG			C.stor	Nut.ret
EMF.4.0257	EMF.4	4			Veg.str			FD.AG					H2O.cap	Nut.ret
EMF.4.0258	EMF.4	4		Ri.BG		Veg.str				FD.BG				
EMF.4.0259	EMF.4	4	Ri.AG					FD.AG						Nut.ret
EMF.4.0260	EMF.4	4			Veg.str						FW.BG		C.stor	H2O.cap
EMF.4.0261	EMF.4	4			Ri.Plant				FD.BG	FW.AG			C.stor	
EMF.4.0262	EMF.4	4			Veg.str					FW.AG	FW.BG			Nut.ret
EMF.4.0263	EMF.4	4	Ri.AG					FD.AG					H2O.cap	
EMF.4.0264	EMF.4	4			Ri.Plant				FD.BG					Nut.ret
EMF.4.0265	EMF.4	4			Ri.Plant		Soil.het				FW.BG		H2O.cap	
EMF.4.0266	EMF.4	4		Ri.BG		Veg.str	Soil.het							Nut.ret
EMF.4.0267	EMF.4	4			Veg.str			FD.AG	FD.BG					
EMF.4.0268	EMF.4	4			Ri.Plant		Soil.het	FD.AG		FW.AG				
EMF.4.0269	EMF.4	4			Ri.Plant		Soil.het			FW.AG	FW.BG			
EMF.4.0270	EMF.4	4			Veg.str	Soil.het					FW.BG		C.stor	
EMF.4.0271	EMF.4	4		Ri.BG	Ri.Plant				FD.BG				H2O.cap	
EMF.4.0272	EMF.4	4						FD.BG	FW.AG				C.stor	

EMF.4.0273	EMF.4	4		Ri.Plant	Soil.het	FD.BG	FW.AG			
EMF.4.0274	EMF.4	4	Ri.BG			FD.BG	FW.AG		H2O.cap	
EMF.4.0275	EMF.4	4		Ri.Plant	Soil.het	FD.AG				
EMF.4.0276	EMF.4	4		Ri.Plant					H2O.cap	Nut.ret
EMF.4.0277	EMF.4	4	Ri.AG		Veg.str		FW.AG		C.stor	
EMF.4.0278	EMF.4	4			Veg.str	FD.BG		FW.BG		
EMF.4.0279	EMF.4	4	Ri.AG		Veg.str	Soil.het		FW.BG		
EMF.4.0280	EMF.4	4	Ri.AG		Veg.str	FD.BG		FW.BG		
EMF.4.0281	EMF.4	4	Ri.AG				FW.AG	FW.BG		Nut.ret
EMF.4.0282	EMF.4	4	Ri.AG		Veg.str	Soil.het	FW.AG			
EMF.4.0283	EMF.4	4	Ri.BG	Ri.Plant					H2O.cap	
EMF.4.0284	EMF.4	4			Soil.het		FW.AG		H2O.cap	Nut.ret
EMF.4.0285	EMF.4	4		Ri.Plant		FD.BG	FW.AG			
EMF.4.0286	EMF.4	4				FD.BG	FW.AG	FW.BG	H2O.cap	
EMF.4.0287	EMF.4	4	Ri.AG		Soil.het					Nut.ret
EMF.4.0288	EMF.4	4			Soil.het	FD.BG	FW.AG		H2O.cap	
EMF.4.0289	EMF.4	4	Ri.BG		Veg.str	Soil.het			C.stor	
EMF.4.0290	EMF.4	4		Ri.Plant	Veg.str	FD.AG			C.stor	
EMF.4.0291	EMF.4	4			Veg.str			FW.BG	H2O.cap	Nut.ret
EMF.4.0292	EMF.4	4	Ri.AG		Soil.het				C.stor	
EMF.4.0293	EMF.4	4	Ri.BG		Veg.str		FW.AG			Nut.ret
EMF.4.0294	EMF.4	4				FD.AG	FW.AG		H2O.cap	Nut.ret
EMF.4.0295	EMF.4	4	Ri.AG		Veg.str		FD.BG	FW.AG		
EMF.4.0296	EMF.4	4		Ri.Plant		FD.AG		FW.BG	H2O.cap	
EMF.4.0297	EMF.4	4			Veg.str	FD.AG	FW.AG			Nut.ret
EMF.4.0298	EMF.4	4		Ri.Plant	Veg.str	FD.AG				
EMF.4.0299	EMF.4	4	Ri.AG				FD.BG			Nut.ret
EMF.4.0300	EMF.4	4	Ri.BG	Ri.Plant		FD.AG			H2O.cap	
EMF.4.0301	EMF.4	4		Ri.Plant			FD.BG	FW.BG	H2O.cap	
EMF.4.0302	EMF.4	4		Ri.Plant				FW.BG	H2O.cap	
EMF.4.0303	EMF.4	4	Ri.BG		Veg.str	Soil.het				
EMF.4.0304	EMF.4	4	Ri.BG		Veg.str				H2O.cap	Nut.ret
EMF.4.0305	EMF.4	4					FW.AG	FW.BG	H2O.cap	Nut.ret
EMF.4.0306	EMF.4	4		Ri.Plant	Veg.str	FD.BG	FW.AG			
EMF.4.0307	EMF.4	4			Veg.str	Soil.het	FD.AG			
EMF.4.0308	EMF.4	4			Veg.str	Soil.het		FW.BG		
EMF.4.0309	EMF.4	4	Ri.BG	Ri.Plant			FW.AG			
EMF.4.0310	EMF.4	4		Ri.Plant			FW.AG	FW.BG		
EMF.4.0311	EMF.4	4	Ri.BG				FW.AG		H2O.cap	Nut.ret
EMF.4.0312	EMF.4	4		Ri.Plant	Soil.het	FD.BG				
EMF.4.0313	EMF.4	4	Ri.BG	Ri.Plant		FD.BG				Nut.ret
EMF.4.0314	EMF.4	4	Ri.AG			FD.BG			H2O.cap	
EMF.4.0315	EMF.4	4		Ri.Plant		FD.AG	FW.AG			
EMF.4.0316	EMF.4	4	Ri.AG				FW.AG		C.stor	Nut.ret
EMF.4.0317	EMF.4	4		Ri.Plant		FD.AG			C.stor	
EMF.4.0318	EMF.4	4	Ri.AG		Veg.str	FD.AG	FD.BG			
EMF.4.0319	EMF.4	4	Ri.AG	Ri.BG		Veg.str	FD.BG			
EMF.4.0320	EMF.4	4		Ri.Plant	Soil.het			FW.BG		
EMF.4.0321	EMF.4	4		Ri.Plant	Veg.str			FW.BG		
EMF.4.0322	EMF.4	4	Ri.BG	Ri.Plant	Veg.str					
EMF.4.0323	EMF.4	4		Ri.Plant				FW.BG	C.stor	H2O.cap
EMF.4.0324	EMF.4	4		Ri.Plant					C.stor	H2O.cap
EMF.4.0325	EMF.4	4			Soil.het	FD.AG	FW.AG			H2O.cap
EMF.4.0326	EMF.4	4		Ri.Plant	Veg.str	FD.AG	FD.BG			
EMF.4.0327	EMF.4	4		Ri.Plant	Veg.str		FD.BG	FW.BG		
EMF.4.0328	EMF.4	4	Ri.BG	Ri.Plant	Veg.str		FD.BG			
EMF.4.0329	EMF.4	4	Ri.BG	Ri.Plant					C.stor	H2O.cap
EMF.4.0330	EMF.4	4		Ri.Plant			FD.BG		C.stor	Nut.ret
EMF.4.0331	EMF.4	4	Ri.AG		Soil.het					H2O.cap
EMF.4.0332	EMF.4	4			Veg.str		FW.AG	FW.BG		
EMF.4.0333	EMF.4	4	Ri.BG	Ri.Plant	Veg.str				C.stor	
EMF.4.0334	EMF.4	4	Ri.AG		Soil.het	FD.AG				
EMF.4.0335	EMF.4	4			Veg.str			FW.BG	C.stor	

EMF.4.0336	EMF.4	4	Ri.AG			FD.AG			C.stor	
EMF.4.0337	EMF.4	4	Ri.AG			FD.AG		FW.AG		Nut.ret
EMF.4.0338	EMF.4	4	Ri.AG	Ri.BG				FW.AG		Nut.ret
EMF.4.0339	EMF.4	4			Veg.str	FD.AG			FW.BG	Nut.ret
EMF.4.0340	EMF.4	4		Ri.BG	Veg.str					C.stor
EMF.4.0341	EMF.4	4			Veg.str	Soil.het			FW.BG	H2O.cap
EMF.4.0342	EMF.4	4		Ri.BG	Ri.Plant			FW.AG		C.stor
EMF.4.0343	EMF.4	4				Soil.het		FW.AG		C.stor
EMF.4.0344	EMF.4	4		Ri.BG	Veg.str			FW.AG		
EMF.4.0345	EMF.4	4			Ri.Plant	Veg.str			FW.BG	C.stor
EMF.4.0346	EMF.4	4	Ri.AG		Veg.str				FW.BG	C.stor
EMF.4.0347	EMF.4	4			Ri.Plant		FD.AG	FW.AG		C.stor
EMF.4.0348	EMF.4	4			Veg.str		FD.AG	FW.AG		
EMF.4.0349	EMF.4	4		Ri.BG			FD.AG	FW.AG		H2O.cap
EMF.4.0350	EMF.4	4					FD.AG	FW.AG	FW.BG	H2O.cap
EMF.4.0351	EMF.4	4			Veg.str	Soil.het	FD.AG			H2O.cap
EMF.4.0352	EMF.4	4	Ri.AG	Ri.BG	Veg.str					C.stor
EMF.4.0353	EMF.4	4	Ri.AG		Veg.str		FD.AG			C.stor
EMF.4.0354	EMF.4	4			Ri.Plant			FW.AG	FW.BG	C.stor
EMF.4.0355	EMF.4	4			Veg.str		FD.AG			C.stor
EMF.4.0356	EMF.4	4	Ri.AG	Ri.BG	Veg.str	Soil.het				
EMF.4.0357	EMF.4	4	Ri.AG		Veg.str	Soil.het	FD.AG			
EMF.4.0358	EMF.4	4						FD.BG	FW.AG	C.stor
EMF.4.0359	EMF.4	4			Ri.Plant			FD.BG	FW.BG	Nut.ret
EMF.4.0360	EMF.4	4		Ri.BG		Soil.het			FW.AG	
EMF.4.0361	EMF.4	4		Ri.BG	Ri.Plant					H2O.cap
EMF.4.0362	EMF.4	4		Ri.BG	Veg.str	Soil.het				H2O.cap
EMF.4.0363	EMF.4	4			Ri.Plant		FD.AG			C.stor
EMF.4.0364	EMF.4	4			Veg.str		FD.AG		FW.BG	H2O.cap
EMF.4.0365	EMF.4	4					FD.AG		FW.AG	C.stor
EMF.4.0366	EMF.4	4			Ri.Plant				FW.BG	H2O.cap
EMF.4.0367	EMF.4	4			Ri.Plant		FD.AG	FD.BG		C.stor
EMF.4.0368	EMF.4	4							FW.AG	FW.BG
EMF.4.0369	EMF.4	4	Ri.AG		Veg.str				FW.AG	FW.BG
EMF.4.0370	EMF.4	4		Ri.BG					FW.AG	C.stor
EMF.4.0371	EMF.4	4	Ri.AG	Ri.BG		Soil.het				
EMF.4.0372	EMF.4	4				Soil.het		FD.BG	FW.AG	
EMF.4.0373	EMF.4	4		Ri.BG	Ri.Plant					Nut.ret
EMF.4.0374	EMF.4	4	Ri.AG							C.stor
EMF.4.0375	EMF.4	4	Ri.AG							H2O.cap
EMF.4.0376	EMF.4	4	Ri.AG				FD.AG		FW.BG	
EMF.4.0377	EMF.4	4			Ri.Plant			FD.BG		C.stor
EMF.4.0378	EMF.4	4				Soil.het			FW.AG	FW.BG
EMF.4.0379	EMF.4	4	Ri.AG					FD.BG	FW.AG	C.stor
EMF.4.0380	EMF.4	4			Ri.Plant		FD.AG			FW.BG
EMF.4.0381	EMF.4	4		Ri.BG	Ri.Plant		Soil.het	FD.BG		
EMF.4.0382	EMF.4	4		Ri.BG	Veg.str		FD.AG			H2O.cap
EMF.4.0383	EMF.4	4	Ri.AG			Soil.het				FW.BG
EMF.4.0384	EMF.4	4			Ri.Plant					C.stor
EMF.4.0385	EMF.4	4		Ri.BG		Soil.het			FW.AG	H2O.cap
EMF.4.0386	EMF.4	4		Ri.BG	Ri.Plant					FW.BG
EMF.4.0387	EMF.4	4		Ri.BG	Ri.Plant		Soil.het	FD.AG		H2O.cap
EMF.4.0388	EMF.4	4	Ri.AG			Soil.het		FD.BG		
EMF.4.0389	EMF.4	4			Ri.Plant					FW.BG
EMF.4.0390	EMF.4	4		Ri.BG	Veg.str					FW.BG
EMF.4.0391	EMF.4	4		Ri.BG					FW.AG	FW.BG
EMF.4.0392	EMF.4	4				Soil.het		FD.BG	FW.AG	H2O.cap
EMF.4.0393	EMF.4	4	Ri.AG	Ri.BG						H2O.cap
EMF.4.0394	EMF.4	4			Veg.str					FW.BG
EMF.4.0395	EMF.4	4	Ri.AG							FW.BG
EMF.4.0396	EMF.4	4	Ri.AG				FD.AG	FD.BG		
EMF.4.0397	EMF.4	4				Soil.het			FW.AG	FW.BG
EMF.4.0398	EMF.4	4				Soil.het	FD.AG		FW.AG	

EMF.4.0399	EMF.4	4	Ri.BG	Ri.Plant		Soil.het				FW.BG		
EMF.4.0400	EMF.4	4			Veg.str		FD.AG			FW.BG		
EMF.4.0401	EMF.4	4	Ri.AG					FD.BG			C.stor	
EMF.4.0402	EMF.4	4	Ri.BG	Ri.Plant			FD.AG					Nut.ret
EMF.4.0403	EMF.4	4		Ri.Plant	Veg.str				FW.AG	FW.BG		
EMF.4.0404	EMF.4	4	Ri.BG		Veg.str		FD.AG					Nut.ret
EMF.4.0405	EMF.4	4	Ri.BG		Veg.str						C.stor	Nut.ret
EMF.4.0406	EMF.4	4				Soil.het		FD.BG	FW.AG		C.stor	
EMF.4.0407	EMF.4	4		Ri.Plant		Soil.het	FD.AG			FW.BG		
EMF.4.0408	EMF.4	4	Ri.AG							FW.BG		Nut.ret
EMF.4.0409	EMF.4	4	Ri.BG					FD.BG	FW.AG			Nut.ret
EMF.4.0410	EMF.4	4		Ri.Plant		Soil.het	FD.AG	FD.BG				
EMF.4.0411	EMF.4	4	Ri.BG	Ri.Plant	Veg.str				FW.AG			
EMF.4.0412	EMF.4	4		Ri.Plant	Veg.str		FD.AG		FW.AG			
EMF.4.0413	EMF.4	4	Ri.BG		Veg.str					FW.BG		Nut.ret
EMF.4.0414	EMF.4	4		Ri.Plant			FD.AG	FD.BG				
EMF.4.0415	EMF.4	4					FD.AG	FD.BG				Nut.ret
EMF.4.0416	EMF.4	4	Ri.AG	Ri.BG								Nut.ret
EMF.4.0417	EMF.4	4	Ri.AG	Ri.BG	Veg.str				FW.AG			
EMF.4.0418	EMF.4	4	Ri.AG		Veg.str		FD.AG			FW.BG		
EMF.4.0419	EMF.4	4	Ri.AG								C.stor	Nut.ret
EMF.4.0420	EMF.4	4	Ri.BG		Veg.str		FD.AG					
EMF.4.0421	EMF.4	4		Ri.Plant		Soil.het		FD.BG		FW.BG		
EMF.4.0422	EMF.4	4	Ri.AG		Veg.str		FD.AG		FW.AG			
EMF.4.0423	EMF.4	4						FD.BG	FW.AG	FW.BG		Nut.ret
EMF.4.0424	EMF.4	4	Ri.AG	Ri.BG	Veg.str					FW.BG		
EMF.4.0425	EMF.4	4					FD.AG				C.stor	H2O.cap
EMF.4.0426	EMF.4	4					FD.AG	FD.BG	FW.AG			Nut.ret
EMF.4.0427	EMF.4	4	Ri.BG		Veg.str				FW.AG		C.stor	
EMF.4.0428	EMF.4	4	Ri.BG		Veg.str					FW.BG		
EMF.4.0429	EMF.4	4	Ri.BG					FD.BG	FW.AG			
EMF.4.0430	EMF.4	4	Ri.BG	Ri.Plant				FD.BG				
EMF.4.0431	EMF.4	4		Ri.Plant	Veg.str		FD.AG			FW.BG		
EMF.4.0432	EMF.4	4			Veg.str	Soil.het		FD.BG	FW.AG			
EMF.4.0433	EMF.4	4				Soil.het	FD.AG				C.stor	
EMF.4.0434	EMF.4	4	Ri.AG	Ri.BG			FD.AG					
EMF.4.0435	EMF.4	4	Ri.AG			Soil.het			FW.AG	FW.BG		
EMF.4.0436	EMF.4	4		Ri.Plant			FD.AG			FW.BG		
EMF.4.0437	EMF.4	4	Ri.BG	Ri.Plant			FD.AG					
EMF.4.0438	EMF.4	4	Ri.AG	Ri.BG				FD.BG				
EMF.4.0439	EMF.4	4			Veg.str	Soil.het		FD.BG		FW.BG		
EMF.4.0440	EMF.4	4	Ri.AG						FW.AG	FW.BG	C.stor	
EMF.4.0441	EMF.4	4	Ri.BG	Ri.Plant				FD.BG	FW.AG			
EMF.4.0442	EMF.4	4		Ri.Plant			FD.AG	FD.BG	FW.AG			
EMF.4.0443	EMF.4	4	Ri.BG	Ri.Plant	Veg.str		FD.AG					
EMF.4.0444	EMF.4	4		Ri.Plant				FD.BG	FW.AG	FW.BG		
EMF.4.0445	EMF.4	4	Ri.BG	Ri.Plant	Veg.str					FW.BG		
EMF.4.0446	EMF.4	4	Ri.BG		Veg.str	Soil.het		FD.BG				
EMF.4.0447	EMF.4	4	Ri.AG					FD.BG		FW.BG		
EMF.4.0448	EMF.4	4	Ri.BG	Ri.Plant							C.stor	
EMF.4.0449	EMF.4	4			Veg.str				FW.AG	FW.BG	C.stor	
EMF.4.0450	EMF.4	4	Ri.AG	Ri.BG					FW.AG		C.stor	
EMF.4.0451	EMF.4	4		Ri.Plant						FW.BG	C.stor	
EMF.4.0452	EMF.4	4						FD.BG	FW.AG	FW.BG		
EMF.4.0453	EMF.4	4					FD.AG	FD.BG	FW.AG			
EMF.4.0454	EMF.4	4			Veg.str	Soil.het	FD.AG	FD.BG				
EMF.4.0455	EMF.4	4	Ri.BG	Ri.Plant				FD.BG			C.stor	
EMF.4.0456	EMF.4	4		Ri.Plant			FD.AG			FW.BG	C.stor	
EMF.4.0457	EMF.4	4		Ri.Plant				FD.BG		FW.BG	C.stor	
EMF.4.0458	EMF.4	4		Ri.Plant				FD.BG		FW.BG		
EMF.4.0459	EMF.4	4				Soil.het			FW.AG	FW.BG	C.stor	
EMF.4.0460	EMF.4	4	Ri.BG					FD.BG				Nut.ret
EMF.4.0461	EMF.4	4	Ri.AG			Soil.het	FD.AG		FW.AG			

EMF.4.0462	EMF.4	4			Soil.het		FW.AG	FW.BG		Nut.ret
EMF.4.0463	EMF.4	4	Ri.BG	Ri.Plant		FD.AG			C.stor	
EMF.4.0464	EMF.4	4			Veg.str	FD.AG	FW.AG		C.stor	
EMF.4.0465	EMF.4	4				FD.AG	FD.BG			H2O.cap
EMF.4.0466	EMF.4	4			Soil.het	FD.AG	FW.AG		C.stor	
EMF.4.0467	EMF.4	4	Ri.AG					FW.BG	C.stor	
EMF.4.0468	EMF.4	4			Soil.het	FD.AG	FW.AG			Nut.ret
EMF.4.0469	EMF.4	4	Ri.BG		Soil.het		FW.AG		C.stor	
EMF.4.0470	EMF.4	4					FD.BG		C.stor	H2O.cap
EMF.4.0471	EMF.4	4	Ri.BG	Ri.Plant					C.stor	Nut.ret
EMF.4.0472	EMF.4	4	Ri.AG	Ri.BG	Veg.str	FD.AG				
EMF.4.0473	EMF.4	4			Veg.str		FD.BG	FW.AG	FW.BG	
EMF.4.0474	EMF.4	4		Ri.Plant				FW.BG	C.stor	Nut.ret
EMF.4.0475	EMF.4	4			Veg.str	FD.AG	FD.BG	FW.AG		
EMF.4.0476	EMF.4	4	Ri.BG		Soil.het		FW.AG			Nut.ret
EMF.4.0477	EMF.4	4	Ri.AG	Ri.BG					C.stor	
EMF.4.0478	EMF.4	4		Ri.Plant		FD.AG	FW.AG	FW.BG		
EMF.4.0479	EMF.4	4	Ri.AG			FD.AG	FW.AG		C.stor	
EMF.4.0480	EMF.4	4	Ri.BG	Ri.Plant				FW.BG		Nut.ret
EMF.4.0481	EMF.4	4	Ri.BG	Ri.Plant			FW.AG	FW.BG		
EMF.4.0482	EMF.4	4	Ri.BG				FW.AG	FW.BG		
EMF.4.0483	EMF.4	4	Ri.BG	Ri.Plant		FD.AG	FW.AG			
EMF.4.0484	EMF.4	4				FD.AG	FD.BG		C.stor	
EMF.4.0485	EMF.4	4	Ri.BG			FD.AG	FW.AG			
EMF.4.0486	EMF.4	4	Ri.BG		Veg.str		FD.BG	FW.AG		
EMF.4.0487	EMF.4	4			Soil.het	FD.AG				Nut.ret
EMF.4.0488	EMF.4	4	Ri.AG		Soil.het		FD.BG	FW.AG		
EMF.4.0489	EMF.4	4				FD.AG	FW.AG	FW.BG		
EMF.4.0490	EMF.4	4	Ri.AG	Ri.BG				FW.BG		
EMF.4.0491	EMF.4	4	Ri.BG		Veg.str		FD.BG	FW.BG		
EMF.4.0492	EMF.4	4			Veg.str	FD.AG	FD.BG	FW.BG		
EMF.4.0493	EMF.4	4					FD.BG			H2O.cap Nut.ret
EMF.4.0494	EMF.4	4	Ri.BG	Ri.Plant				FW.BG		
EMF.4.0495	EMF.4	4	Ri.BG		Veg.str	FD.AG			C.stor	
EMF.4.0496	EMF.4	4				FD.AG				H2O.cap Nut.ret
EMF.4.0497	EMF.4	4			Veg.str	FD.AG		FW.BG	C.stor	
EMF.4.0498	EMF.4	4	Ri.BG				FD.BG			H2O.cap
EMF.4.0499	EMF.4	4			Soil.het		FD.BG			Nut.ret
EMF.4.0500	EMF.4	4	Ri.BG		Veg.str	FD.AG	FD.BG			
EMF.4.0501	EMF.4	4	Ri.AG	Ri.BG		Soil.het		FW.AG		
EMF.4.0502	EMF.4	4			Veg.str	Soil.het		FW.AG	FW.BG	
EMF.4.0503	EMF.4	4	Ri.AG				FD.BG		C.stor	H2O.cap
EMF.4.0504	EMF.4	4			Veg.str	Soil.het	FD.AG	FW.AG		
EMF.4.0505	EMF.4	4	Ri.AG				FD.AG	FD.BG		Nut.ret
EMF.4.0506	EMF.4	4				Soil.het		FD.BG		C.stor
EMF.4.0507	EMF.4	4	Ri.BG		Veg.str			FW.BG	C.stor	
EMF.4.0508	EMF.4	4					FD.BG		C.stor	Nut.ret
EMF.4.0509	EMF.4	4			Soil.het				C.stor	H2O.cap
EMF.4.0510	EMF.4	4					FD.AG		C.stor	Nut.ret
EMF.4.0511	EMF.4	4	Ri.BG			Soil.het				Nut.ret
EMF.4.0512	EMF.4	4	Ri.AG			Soil.het		FD.BG		Nut.ret
EMF.4.0513	EMF.4	4	Ri.AG				FD.BG	FW.AG	FW.BG	
EMF.4.0514	EMF.4	4	Ri.AG				FD.BG			H2O.cap Nut.ret
EMF.4.0515	EMF.4	4					FD.AG	FW.BG		Nut.ret
EMF.4.0516	EMF.4	4	Ri.BG				FD.AG			H2O.cap
EMF.4.0517	EMF.4	4				Soil.het	FD.AG			H2O.cap
EMF.4.0518	EMF.4	4	Ri.AG			Soil.het		FD.BG	C.stor	
EMF.4.0519	EMF.4	4	Ri.BG		Veg.str	Soil.het		FW.AG		
EMF.4.0520	EMF.4	4	Ri.AG				FD.AG	FD.BG	FW.AG	
EMF.4.0521	EMF.4	4	Ri.BG				FD.AG			Nut.ret
EMF.4.0522	EMF.4	4						FD.BG	FW.BG	Nut.ret
EMF.4.0523	EMF.4	4				Soil.het			C.stor	Nut.ret
EMF.4.0524	EMF.4	4	Ri.BG	Ri.Plant			FD.AG	FD.BG		



EMF.4.0525	EMF.4	4	Ri.BG		Soil.het				C.stor	
EMF.4.0526	EMF.4	4				FD.AG		FW.BG		H2O.cap
EMF.4.0527	EMF.4	4	Ri.AG		Soil.het	FD.AG			C.stor	
EMF.4.0528	EMF.4	4		Ri.Plant		FD.AG	FD.BG	FW.BG		
EMF.4.0529	EMF.4	4					FW.AG	FW.BG	C.stor	Nut.ret
EMF.4.0530	EMF.4	4	Ri.BG	Ri.Plant				FW.BG	C.stor	
EMF.4.0531	EMF.4	4	Ri.AG	Ri.BG			FW.AG	FW.BG		
EMF.4.0532	EMF.4	4			Soil.het		FD.BG			H2O.cap
EMF.4.0533	EMF.4	4	Ri.AG		Soil.het				C.stor	H2O.cap
EMF.4.0534	EMF.4	4	Ri.AG			FD.AG		FW.AG	FW.BG	
EMF.4.0535	EMF.4	4	Ri.AG				FD.BG		C.stor	Nut.ret
EMF.4.0536	EMF.4	4	Ri.BG					FW.AG	C.stor	Nut.ret
EMF.4.0537	EMF.4	4				FD.AG		FW.AG	C.stor	Nut.ret
EMF.4.0538	EMF.4	4					FD.BG	FW.BG		H2O.cap
EMF.4.0539	EMF.4	4	Ri.BG	Ri.Plant			FD.BG	FW.BG		
EMF.4.0540	EMF.4	4	Ri.AG				FD.BG	FW.BG		Nut.ret
EMF.4.0541	EMF.4	4			Veg.str	Soil.het	FD.AG		FW.BG	
EMF.4.0542	EMF.4	4	Ri.AG	Ri.BG				FD.BG		Nut.ret
EMF.4.0543	EMF.4	4	Ri.AG	Ri.BG				FD.BG	FW.AG	
EMF.4.0544	EMF.4	4	Ri.AG				FD.AG		C.stor	H2O.cap
EMF.4.0545	EMF.4	4	Ri.BG		Veg.str	Soil.het			FW.BG	
EMF.4.0546	EMF.4	4	Ri.AG			Soil.het			C.stor	Nut.ret
EMF.4.0547	EMF.4	4	Ri.AG				FD.AG	FD.BG		H2O.cap
EMF.4.0548	EMF.4	4	Ri.BG			Soil.het				H2O.cap
EMF.4.0549	EMF.4	4				Soil.het				H2O.cap
EMF.4.0550	EMF.4	4				Soil.het			FW.BG	C.stor
EMF.4.0551	EMF.4	4	Ri.AG	Ri.BG			FD.AG		FW.AG	
EMF.4.0552	EMF.4	4						FD.BG	FW.AG	FW.BG
EMF.4.0553	EMF.4	4	Ri.BG					FD.BG	FW.AG	C.stor
EMF.4.0554	EMF.4	4					FD.AG	FD.BG	FW.AG	C.stor
EMF.4.0555	EMF.4	4					FD.AG		FW.AG	FW.BG
EMF.4.0556	EMF.4	4	Ri.AG			Soil.het	FD.AG			Nut.ret
EMF.4.0557	EMF.4	4	Ri.AG				Soil.het			Nut.ret
EMF.4.0558	EMF.4	4	Ri.BG						FW.BG	C.stor
EMF.4.0559	EMF.4	4					FD.AG	FD.BG		FW.BG
EMF.4.0560	EMF.4	4	Ri.AG			Soil.het			C.stor	H2O.cap
EMF.4.0561	EMF.4	4	Ri.BG	Ri.Plant				FW.BG		Nut.ret
EMF.4.0562	EMF.4	4					FD.AG		FW.BG	C.stor
EMF.4.0563	EMF.4	4				Soil.het			FW.BG	
EMF.4.0564	EMF.4	4	Ri.BG		Veg.str	Soil.het	FD.AG			Nut.ret
EMF.4.0565	EMF.4	4	Ri.BG				FD.AG		FW.AG	
EMF.4.0566	EMF.4	4	Ri.AG				FD.AG		FW.BG	Nut.ret
EMF.4.0567	EMF.4	4	Ri.BG					FD.BG		C.stor
EMF.4.0568	EMF.4	4	Ri.AG			Soil.het		FD.BG		H2O.cap
EMF.4.0569	EMF.4	4	Ri.BG			Soil.het		FD.BG		
EMF.4.0570	EMF.4	4	Ri.BG						C.stor	H2O.cap
EMF.4.0571	EMF.4	4	Ri.AG					FD.BG	FW.BG	H2O.cap
EMF.4.0572	EMF.4	4	Ri.BG							H2O.cap
EMF.4.0573	EMF.4	4	Ri.AG	Ri.BG				FD.BG		Nut.ret
EMF.4.0574	EMF.4	4							C.stor	H2O.cap
EMF.4.0575	EMF.4	4	Ri.AG				FD.AG	FD.BG		Nut.ret
EMF.4.0576	EMF.4	4	Ri.BG				FD.AG		C.stor	
EMF.4.0577	EMF.4	4							FW.BG	C.stor
EMF.4.0578	EMF.4	4	Ri.BG		Veg.str				FW.AG	FW.BG
EMF.4.0579	EMF.4	4	Ri.AG			Soil.het				H2O.cap
EMF.4.0580	EMF.4	4			Veg.str		FD.AG		FW.AG	FW.BG
EMF.4.0581	EMF.4	4	Ri.AG	Ri.BG			Soil.het			C.stor
EMF.4.0582	EMF.4	4						FD.BG		FW.BG
EMF.4.0583	EMF.4	4	Ri.BG		Veg.str		FD.AG		FW.AG	C.stor
EMF.4.0584	EMF.4	4	Ri.AG				FD.AG			H2O.cap
EMF.4.0585	EMF.4	4				Soil.het			FW.BG	Nut.ret
EMF.4.0586	EMF.4	4	Ri.AG				FD.AG		FW.BG	H2O.cap
EMF.4.0587	EMF.4	4	Ri.BG			Soil.het	FD.AG			H2O.cap

EMF.4.0588	EMF.4	4	Ri.AG	Ri.BG	Soil.het						Nut.ret
EMF.4.0589	EMF.4	4						FW.BG	H2O.cap	Nut.ret	
EMF.4.0590	EMF.4	4		Ri.BG		FD.AG	FD.BG				
EMF.4.0591	EMF.4	4			Soil.het	FD.AG	FD.BG				
EMF.4.0592	EMF.4	4		Ri.BG				FW.BG	H2O.cap		
EMF.4.0593	EMF.4	4	Ri.AG		Soil.het			FW.BG	H2O.cap		
EMF.4.0594	EMF.4	4	Ri.AG		Soil.het	FD.AG			H2O.cap		
EMF.4.0595	EMF.4	4			Soil.het	FD.AG		FW.BG			
EMF.4.0596	EMF.4	4	Ri.AG					FW.BG	C.stor	H2O.cap	
EMF.4.0597	EMF.4	4		Ri.BG	Soil.het			FW.BG			
EMF.4.0598	EMF.4	4		Ri.BG					C.stor		Nut.ret
EMF.4.0599	EMF.4	4	Ri.AG			FD.AG			C.stor		Nut.ret
EMF.4.0600	EMF.4	4	Ri.AG						C.stor	H2O.cap	Nut.ret
EMF.4.0601	EMF.4	4	Ri.AG					FW.BG	H2O.cap		Nut.ret
EMF.4.0602	EMF.4	4	Ri.AG	Ri.BG					C.stor	H2O.cap	
EMF.4.0603	EMF.4	4		Ri.BG				FW.BG			Nut.ret
EMF.4.0604	EMF.4	4				FD.AG	FD.BG	FW.BG			
EMF.4.0605	EMF.4	4	Ri.AG				FD.BG	FW.BG	C.stor		
EMF.4.0606	EMF.4	4		Ri.BG	Veg.str	FD.AG		FW.BG			
EMF.4.0607	EMF.4	4	Ri.AG	Ri.BG	Soil.het					H2O.cap	
EMF.4.0608	EMF.4	4						FW.BG	C.stor		Nut.ret
EMF.4.0609	EMF.4	4			Soil.het		FD.BG	FW.BG			
EMF.4.0610	EMF.4	4	Ri.AG	Ri.BG			FD.BG		C.stor		
EMF.4.0611	EMF.4	4		Ri.BG			FD.BG	FW.BG			
EMF.4.0612	EMF.4	4	Ri.AG			FD.AG		FW.BG	C.stor		
EMF.4.0613	EMF.4	4			Soil.het		FD.BG		C.stor	H2O.cap	
EMF.4.0614	EMF.4	4	Ri.AG	Ri.BG		FD.AG				H2O.cap	
EMF.4.0615	EMF.4	4	Ri.AG	Ri.BG						H2O.cap	Nut.ret
EMF.4.0616	EMF.4	4		Ri.BG				FW.AG	FW.BG	C.stor	
EMF.4.0617	EMF.4	4				FD.AG	FD.BG		C.stor		Nut.ret
EMF.4.0618	EMF.4	4	Ri.AG	Ri.BG		FD.AG					Nut.ret
EMF.4.0619	EMF.4	4		Ri.BG		FD.AG		FW.AG	C.stor		
EMF.4.0620	EMF.4	4	Ri.AG		Soil.het	FD.AG			FW.BG		
EMF.4.0621	EMF.4	4					FD.BG		C.stor	H2O.cap	Nut.ret
EMF.4.0622	EMF.4	4	Ri.AG		Soil.het		FD.BG	FW.BG			
EMF.4.0623	EMF.4	4	Ri.AG	Ri.BG				FW.BG		H2O.cap	
EMF.4.0624	EMF.4	4	Ri.AG					FW.BG	C.stor		Nut.ret
EMF.4.0625	EMF.4	4				FD.AG		FW.AG	FW.BG	C.stor	
EMF.4.0626	EMF.4	4				FD.AG	FD.BG			H2O.cap	Nut.ret
EMF.4.0627	EMF.4	4		Ri.BG			FD.BG		C.stor	H2O.cap	
EMF.4.0628	EMF.4	4		Ri.BG		FD.AG		FW.BG			
EMF.4.0629	EMF.4	4	Ri.AG	Ri.BG				FW.BG			Nut.ret
EMF.4.0630	EMF.4	4			Soil.het		FD.BG		C.stor		Nut.ret
EMF.4.0631	EMF.4	4					FD.BG	FW.BG	C.stor	H2O.cap	
EMF.4.0632	EMF.4	4	Ri.AG	Ri.BG	Soil.het			FW.BG			
EMF.4.0633	EMF.4	4	Ri.AG	Ri.BG	Soil.het		FD.BG				
EMF.4.0634	EMF.4	4	Ri.AG		Soil.het	FD.AG	FD.BG				
EMF.4.0635	EMF.4	4			Soil.het	FD.AG	FD.BG	FW.AG			
EMF.4.0636	EMF.4	4		Ri.BG				FW.BG	C.stor		
EMF.4.0637	EMF.4	4			Soil.het	FD.AG	FD.BG		C.stor		
EMF.4.0638	EMF.4	4	Ri.AG	Ri.BG		FD.AG			C.stor		
EMF.4.0639	EMF.4	4	Ri.AG	Ri.BG					C.stor		Nut.ret
EMF.4.0640	EMF.4	4		Ri.BG			FD.BG			H2O.cap	Nut.ret
EMF.4.0641	EMF.4	4	Ri.AG			FD.AG	FD.BG	FW.BG			
EMF.4.0642	EMF.4	4			Soil.het	FD.AG			C.stor	H2O.cap	
EMF.4.0643	EMF.4	4		Ri.BG	Soil.het		FD.BG				Nut.ret
EMF.4.0644	EMF.4	4		Ri.BG		FD.AG	FD.BG				Nut.ret
EMF.4.0645	EMF.4	4		Ri.BG	Soil.het	FD.AG		FW.AG			
EMF.4.0646	EMF.4	4			Soil.het	FD.AG		FW.AG	FW.BG		
EMF.4.0647	EMF.4	4			Soil.het	FD.AG	FD.BG				Nut.ret
EMF.4.0648	EMF.4	4			Soil.het		FD.BG			H2O.cap	Nut.ret
EMF.4.0649	EMF.4	4				FD.AG	FD.BG	FW.BG			Nut.ret
EMF.4.0650	EMF.4	4	Ri.AG	Ri.BG			FD.BG	FW.BG			

EMF.4.0651	EMF.4	4	Ri.AG	Ri.BG			FW.BG	C.stor		
EMF.4.0652	EMF.4	4	Ri.AG	Ri.BG	Soil.het	FD.AG				
EMF.4.0653	EMF.4	4		Ri.BG		FD.BG		C.stor	Nut.ret	
EMF.4.0654	EMF.4	4				FD.BG	FW.BG		H2O.cap	Nut.ret
EMF.4.0655	EMF.4	4			Soil.het	FD.BG	FW.AG	FW.BG		
EMF.4.0656	EMF.4	4		Ri.BG	Soil.het	FD.BG	FW.AG			
EMF.4.0657	EMF.4	4	Ri.AG	Ri.BG		FD.AG	FD.BG			
EMF.4.0658	EMF.4	4	Ri.AG	Ri.BG		FD.AG		FW.BG		
EMF.4.0659	EMF.4	4		Ri.BG	Soil.het	FD.BG		C.stor		
EMF.4.0660	EMF.4	4				FD.BG	FW.BG	C.stor		Nut.ret
EMF.4.0661	EMF.4	4			Soil.het	FD.AG		C.stor		Nut.ret
EMF.4.0662	EMF.4	4		Ri.BG		FD.AG	FD.BG	FW.AG		
EMF.4.0663	EMF.4	4				FD.AG	FD.BG	FW.AG	FW.BG	
EMF.4.0664	EMF.4	4		Ri.BG	Soil.het		FW.AG	FW.BG		
EMF.4.0665	EMF.4	4		Ri.BG		FD.BG		FW.BG		Nut.ret
EMF.4.0666	EMF.4	4			Soil.het	FD.BG		FW.BG		Nut.ret
EMF.4.0667	EMF.4	4			Soil.het	FD.BG		FW.BG	C.stor	
EMF.4.0668	EMF.4	4				FD.AG		FW.BG	C.stor	H2O.cap
EMF.4.0669	EMF.4	4		Ri.BG		FD.AG			C.stor	H2O.cap
EMF.4.0670	EMF.4	4				FD.AG			C.stor	H2O.cap
EMF.4.0671	EMF.4	4		Ri.BG		FD.AG	FD.BG			H2O.cap
EMF.4.0672	EMF.4	4			Soil.het	FD.AG		FW.BG	C.stor	
EMF.4.0673	EMF.4	4			Soil.het				C.stor	H2O.cap
EMF.4.0674	EMF.4	4		Ri.BG		FD.BG	FW.AG	FW.BG		
EMF.4.0675	EMF.4	4		Ri.BG	Soil.het			C.stor	H2O.cap	
EMF.4.0676	EMF.4	4			Soil.het			FW.BG	C.stor	H2O.cap
EMF.4.0677	EMF.4	4				FD.AG	FD.BG	FW.BG		H2O.cap
EMF.4.0678	EMF.4	4			Soil.het	FD.AG	FD.BG			H2O.cap
EMF.4.0679	EMF.4	4				FD.AG	FD.BG	FW.BG	C.stor	
EMF.4.0680	EMF.4	4		Ri.BG	Soil.het	FD.BG				H2O.cap
EMF.4.0681	EMF.4	4		Ri.BG		FD.BG		FW.BG		H2O.cap
EMF.4.0682	EMF.4	4		Ri.BG		FD.AG	FD.BG		C.stor	
EMF.4.0683	EMF.4	4		Ri.BG		FD.AG		FW.AG	FW.BG	
EMF.4.0684	EMF.4	4		Ri.BG	Soil.het	FD.AG			C.stor	
EMF.4.0685	EMF.4	4		Ri.BG	Soil.het				C.stor	Nut.ret
EMF.4.0686	EMF.4	4			Soil.het			FW.BG	C.stor	Nut.ret
EMF.4.0687	EMF.4	4			Soil.het	FD.BG		FW.BG		H2O.cap
EMF.4.0688	EMF.4	4			Soil.het	FD.AG				H2O.cap
EMF.4.0689	EMF.4	4			Soil.het	FD.AG		FW.BG		Nut.ret
EMF.4.0690	EMF.4	4				FD.AG		FW.BG		H2O.cap
EMF.4.0691	EMF.4	4		Ri.BG	Soil.het			FW.BG	C.stor	
EMF.4.0692	EMF.4	4		Ri.BG		FD.BG		FW.BG	C.stor	
EMF.4.0693	EMF.4	4		Ri.BG	Soil.het					H2O.cap
EMF.4.0694	EMF.4	4		Ri.BG	Soil.het	FD.AG				Nut.ret
EMF.4.0695	EMF.4	4			Soil.het			FW.BG		H2O.cap
EMF.4.0696	EMF.4	4		Ri.BG					C.stor	H2O.cap
EMF.4.0697	EMF.4	4				FD.AG		FW.BG	C.stor	Nut.ret
EMF.4.0698	EMF.4	4						FW.BG	C.stor	H2O.cap
EMF.4.0699	EMF.4	4		Ri.BG		FD.AG				H2O.cap
EMF.4.0700	EMF.4	4		Ri.BG				FW.BG	C.stor	H2O.cap
EMF.4.0701	EMF.4	4		Ri.BG	Soil.het			FW.BG		Nut.ret
EMF.4.0702	EMF.4	4		Ri.BG		FD.AG			C.stor	Nut.ret
EMF.4.0703	EMF.4	4			Soil.het	FD.AG		FW.BG		H2O.cap
EMF.4.0704	EMF.4	4		Ri.BG	Soil.het	FD.AG				H2O.cap
EMF.4.0705	EMF.4	4		Ri.BG				FW.BG		H2O.cap
EMF.4.0706	EMF.4	4		Ri.BG		FD.AG		FW.BG		H2O.cap
EMF.4.0707	EMF.4	4		Ri.BG		FD.AG		FW.BG		Nut.ret
EMF.4.0708	EMF.4	4		Ri.BG	Soil.het			FW.BG		H2O.cap
EMF.4.0709	EMF.4	4		Ri.BG		FD.AG		FW.BG	C.stor	
EMF.4.0710	EMF.4	4		Ri.BG				FW.BG	C.stor	Nut.ret
EMF.4.0711	EMF.4	4		Ri.BG	Soil.het	FD.BG		FW.BG		
EMF.4.0712	EMF.4	4		Ri.BG	Soil.het	FD.AG	FD.BG			
EMF.4.0713	EMF.4	4			Soil.het	FD.AG	FD.BG	FW.BG		

EMF.4.0714	EMF.4	4	Ri.BG		FD.AG	FD.BG		FW.BG	
EMF.4.0715	EMF.4	4	Ri.BG		Soil.het	FD.AG		FW.BG	
EMF.3.001	EMF.3	3		Ri.Plant			FW.AG		H2O.cap
EMF.3.002	EMF.3	3			Veg.str		FD.BG		Nut.ret
EMF.3.003	EMF.3	3	Ri.AG	Ri.Plant	Soil.het				
EMF.3.004	EMF.3	3					FW.AG		H2O.cap
EMF.3.005	EMF.3	3	Ri.AG	Ri.Plant					H2O.cap
EMF.3.006	EMF.3	3			Veg.str		FD.BG		H2O.cap
EMF.3.007	EMF.3	3		Ri.Plant	Veg.str				H2O.cap
EMF.3.008	EMF.3	3			Veg.str		FW.AG		H2O.cap
EMF.3.009	EMF.3	3	Ri.AG	Ri.Plant					Nut.ret
EMF.3.010	EMF.3	3	Ri.AG	Ri.Plant			FW.AG		
EMF.3.011	EMF.3	3	Ri.AG				FW.AG		H2O.cap
EMF.3.012	EMF.3	3	Ri.AG	Ri.Plant	Veg.str				
EMF.3.013	EMF.3	3	Ri.AG	Ri.Plant					
EMF.3.014	EMF.3	3					FW.AG	C.stor	H2O.cap
EMF.3.015	EMF.3	3			Veg.str				H2O.cap
EMF.3.016	EMF.3	3		Ri.Plant	Soil.het			C.stor	
EMF.3.017	EMF.3	3	Ri.AG		Veg.str				H2O.cap
EMF.3.018	EMF.3	3			Veg.str				Nut.ret
EMF.3.019	EMF.3	3		Ri.Plant	Veg.str				Nut.ret
EMF.3.020	EMF.3	3		Ri.Plant			FW.AG		Nut.ret
EMF.3.021	EMF.3	3	Ri.AG	Ri.Plant		FD.AG			
EMF.3.022	EMF.3	3	Ri.AG				FW.AG		
EMF.3.023	EMF.3	3	Ri.AG	Ri.Plant				C.stor	
EMF.3.024	EMF.3	3	Ri.AG		Veg.str				
EMF.3.025	EMF.3	3			Veg.str		FD.BG		C.stor
EMF.3.026	EMF.3	3	Ri.AG	Ri.Plant			FD.BG		
EMF.3.027	EMF.3	3					FW.AG		Nut.ret
EMF.3.028	EMF.3	3	Ri.AG		Veg.str				Nut.ret
EMF.3.029	EMF.3	3	Ri.AG	Ri.Plant				FW.BG	
EMF.3.030	EMF.3	3		Ri.Plant	Soil.het				Nut.ret
EMF.3.031	EMF.3	3		Ri.Plant	Veg.str	Soil.het			
EMF.3.032	EMF.3	3	Ri.AG	Ri.BG	Ri.Plant				
EMF.3.033	EMF.3	3			Veg.str			C.stor	H2O.cap
EMF.3.034	EMF.3	3		Ri.Plant	Soil.het				H2O.cap
EMF.3.035	EMF.3	3			Veg.str	Soil.het			Nut.ret
EMF.3.036	EMF.3	3		Ri.Plant	Soil.het		FW.AG		
EMF.3.037	EMF.3	3			Veg.str		FD.BG		
EMF.3.038	EMF.3	3					FD.BG	FW.AG	H2O.cap
EMF.3.039	EMF.3	3			Veg.str	Soil.het		C.stor	
EMF.3.040	EMF.3	3			Veg.str		FW.AG		Nut.ret
EMF.3.041	EMF.3	3		Ri.Plant		FD.AG			H2O.cap
EMF.3.042	EMF.3	3		Ri.Plant					H2O.cap
EMF.3.043	EMF.3	3		Ri.Plant			FD.BG		H2O.cap
EMF.3.044	EMF.3	3			Veg.str				H2O.cap
EMF.3.045	EMF.3	3					FW.AG		Nut.ret
EMF.3.046	EMF.3	3		Ri.Plant			FW.AG		
EMF.3.047	EMF.3	3	Ri.AG		Veg.str		FD.BG		
EMF.3.048	EMF.3	3			Veg.str	Soil.het			
EMF.3.049	EMF.3	3		Ri.Plant	Soil.het				
EMF.3.050	EMF.3	3		Ri.Plant	Veg.str				
EMF.3.051	EMF.3	3		Ri.Plant				C.stor	H2O.cap
EMF.3.052	EMF.3	3		Ri.Plant	Veg.str		FD.BG		
EMF.3.053	EMF.3	3	Ri.AG				FW.AG		Nut.ret
EMF.3.054	EMF.3	3			Veg.str			C.stor	
EMF.3.055	EMF.3	3			Veg.str		FW.AG		
EMF.3.056	EMF.3	3				FD.AG	FW.AG		H2O.cap
EMF.3.057	EMF.3	3		Ri.Plant	Veg.str			C.stor	
EMF.3.058	EMF.3	3		Ri.Plant			FW.AG	C.stor	
EMF.3.059	EMF.3	3	Ri.AG		Veg.str	Soil.het			
EMF.3.060	EMF.3	3		Ri.Plant			FD.BG		Nut.ret
EMF.3.061	EMF.3	3			Veg.str	Soil.het			H2O.cap

EMF.3.062	EMF.3	3		Ri.Plant					H2O.cap	Nut.ret
EMF.3.063	EMF.3	3					FW.AG		C.stor	
EMF.3.064	EMF.3	3		Veg.str		FD.AG				H2O.cap
EMF.3.065	EMF.3	3			Soil.het			FW.AG		H2O.cap
EMF.3.066	EMF.3	3	Ri.BG	Ri.Plant						H2O.cap
EMF.3.067	EMF.3	3		Ri.Plant				FW.BG		H2O.cap
EMF.3.068	EMF.3	3		Ri.Plant						Nut.ret
EMF.3.069	EMF.3	3	Ri.AG		Veg.str					C.stor
EMF.3.070	EMF.3	3					FW.AG	FW.BG		H2O.cap
EMF.3.071	EMF.3	3		Veg.str				FW.BG		H2O.cap
EMF.3.072	EMF.3	3	Ri.BG				FW.AG			H2O.cap
EMF.3.073	EMF.3	3	Ri.BG	Veg.str						H2O.cap
EMF.3.074	EMF.3	3	Ri.BG	Ri.Plant	Soil.het					
EMF.3.075	EMF.3	3		Ri.Plant			FD.AG			Nut.ret
EMF.3.076	EMF.3	3	Ri.AG							H2O.cap
EMF.3.077	EMF.3	3			Soil.het			FW.AG		
EMF.3.078	EMF.3	3		Veg.str			FD.AG			Nut.ret
EMF.3.079	EMF.3	3	Ri.AG		Soil.het					
EMF.3.080	EMF.3	3		Ri.Plant	Veg.str			FW.AG		
EMF.3.081	EMF.3	3			Veg.str				FW.BG	Nut.ret
EMF.3.082	EMF.3	3			Veg.str					C.stor
EMF.3.083	EMF.3	3		Ri.Plant	Soil.het	FD.AG				
EMF.3.084	EMF.3	3	Ri.AG							Nut.ret
EMF.3.085	EMF.3	3			Veg.str			FD.AG		
EMF.3.086	EMF.3	3		Ri.Plant	Soil.het			FD.BG		
EMF.3.087	EMF.3	3		Ri.Plant	Soil.het				FW.BG	
EMF.3.088	EMF.3	3						FD.BG	FW.AG	Nut.ret
EMF.3.089	EMF.3	3	Ri.BG	Veg.str						Nut.ret
EMF.3.090	EMF.3	3	Ri.AG		Veg.str			FW.AG		
EMF.3.091	EMF.3	3			Veg.str				FW.BG	
EMF.3.092	EMF.3	3	Ri.AG		Veg.str				FW.BG	
EMF.3.093	EMF.3	3	Ri.AG				FD.AG			
EMF.3.094	EMF.3	3	Ri.BG	Veg.str						
EMF.3.095	EMF.3	3		Ri.Plant			FD.AG			
EMF.3.096	EMF.3	3		Ri.Plant	Veg.str			FD.AG		
EMF.3.097	EMF.3	3		Ri.Plant				FD.BG	FW.AG	
EMF.3.098	EMF.3	3		Ri.Plant	Veg.str					FW.BG
EMF.3.099	EMF.3	3		Ri.Plant						C.stor
EMF.3.100	EMF.3	3	Ri.BG	Ri.Plant	Veg.str					
EMF.3.101	EMF.3	3						FD.BG	FW.AG	
EMF.3.102	EMF.3	3			Veg.str	Soil.het			FD.BG	
EMF.3.103	EMF.3	3	Ri.AG						FD.BG	
EMF.3.104	EMF.3	3		Ri.Plant					FD.BG	
EMF.3.105	EMF.3	3		Ri.Plant						FD.BG
EMF.3.106	EMF.3	3			Veg.str				FW.AG	C.stor
EMF.3.107	EMF.3	3				Soil.het			FW.AG	C.stor
EMF.3.108	EMF.3	3		Ri.Plant				FD.AG		C.stor
EMF.3.109	EMF.3	3		Ri.Plant						C.stor
EMF.3.110	EMF.3	3	Ri.AG	Ri.BG	Veg.str					C.stor
EMF.3.111	EMF.3	3	Ri.AG							C.stor
EMF.3.112	EMF.3	3	Ri.BG	Ri.Plant						C.stor
EMF.3.113	EMF.3	3		Ri.Plant				FW.AG	FW.BG	Nut.ret
EMF.3.114	EMF.3	3	Ri.AG					FW.AG		C.stor
EMF.3.115	EMF.3	3		Ri.Plant				FD.AG	FW.AG	
EMF.3.116	EMF.3	3		Ri.Plant						FW.BG
EMF.3.117	EMF.3	3	Ri.BG	Ri.Plant					FW.AG	Nut.ret
EMF.3.118	EMF.3	3			Veg.str			FD.BG	FW.AG	
EMF.3.119	EMF.3	3	Ri.BG						FW.AG	
EMF.3.120	EMF.3	3							FW.AG	FW.BG
EMF.3.121	EMF.3	3	Ri.AG		Veg.str				FD.AG	
EMF.3.122	EMF.3	3				Soil.het			FW.AG	Nut.ret
EMF.3.123	EMF.3	3						FD.AG	FW.AG	
EMF.3.124	EMF.3	3			Veg.str				FD.BG	FW.BG

EMF.3.125	EMF.3	3	Ri.AG							FW.BG		
EMF.3.126	EMF.3	3		Ri.BG	Ri.Plant							
EMF.3.127	EMF.3	3		Ri.BG		Veg.str			FD.BG			
EMF.3.128	EMF.3	3			Ri.Plant						FW.BG	
EMF.3.129	EMF.3	3				Veg.str		FD.AG	FD.BG			
EMF.3.130	EMF.3	3	Ri.AG				Soil.het			FW.AG		
EMF.3.131	EMF.3	3	Ri.AG	Ri.BG								
EMF.3.132	EMF.3	3		Ri.BG		Veg.str					C.stor	
EMF.3.133	EMF.3	3				Veg.str		FD.AG			C.stor	
EMF.3.134	EMF.3	3				Veg.str	Soil.het			FW.AG		
EMF.3.135	EMF.3	3							FD.BG			Nut.ret
EMF.3.136	EMF.3	3				Veg.str				FW.BG	C.stor	
EMF.3.137	EMF.3	3			Ri.Plant			FD.AG	FD.BG			
EMF.3.138	EMF.3	3		Ri.BG	Ri.Plant						C.stor	
EMF.3.139	EMF.3	3			Ri.Plant					FW.BG	C.stor	
EMF.3.140	EMF.3	3						FD.AG				H2O.cap
EMF.3.141	EMF.3	3							FW.AG		C.stor	Nut.ret
EMF.3.142	EMF.3	3	Ri.AG						FW.AG	FW.BG		
EMF.3.143	EMF.3	3							FD.BG			H2O.cap
EMF.3.144	EMF.3	3		Ri.BG	Ri.Plant				FD.BG			
EMF.3.145	EMF.3	3						FD.AG				Nut.ret
EMF.3.146	EMF.3	3				Veg.str	Soil.het			FW.BG		
EMF.3.147	EMF.3	3	Ri.AG						FD.BG	FW.AG		
EMF.3.148	EMF.3	3			Ri.Plant				FD.BG		FW.BG	
EMF.3.149	EMF.3	3					Soil.het				C.stor	
EMF.3.150	EMF.3	3	Ri.AG						FD.BG			Nut.ret
EMF.3.151	EMF.3	3							FD.BG	FW.AG	C.stor	
EMF.3.152	EMF.3	3								FW.AG	FW.BG	Nut.ret
EMF.3.153	EMF.3	3	Ri.AG					FD.AG		FW.AG		
EMF.3.154	EMF.3	3			Ri.Plant			FD.AG			FW.BG	
EMF.3.155	EMF.3	3					Soil.het					Nut.ret
EMF.3.156	EMF.3	3				Veg.str	Soil.het	FD.AG				
EMF.3.157	EMF.3	3						FD.AG		FW.AG		Nut.ret
EMF.3.158	EMF.3	3		Ri.BG		Veg.str	Soil.het					
EMF.3.159	EMF.3	3		Ri.BG	Ri.Plant			FD.AG				
EMF.3.160	EMF.3	3		Ri.BG						FW.AG		Nut.ret
EMF.3.161	EMF.3	3	Ri.AG	Ri.BG						FW.AG		
EMF.3.162	EMF.3	3						FD.AG			C.stor	
EMF.3.163	EMF.3	3									C.stor	H2O.cap
EMF.3.164	EMF.3	3	Ri.AG						FD.BG			H2O.cap
EMF.3.165	EMF.3	3	Ri.AG				Soil.het				C.stor	
EMF.3.166	EMF.3	3		Ri.BG	Ri.Plant					FW.BG		
EMF.3.167	EMF.3	3							FD.BG		C.stor	
EMF.3.168	EMF.3	3				Veg.str				FW.AG	FW.BG	
EMF.3.169	EMF.3	3					Soil.het					H2O.cap
EMF.3.170	EMF.3	3				Veg.str		FD.AG		FW.AG		
EMF.3.171	EMF.3	3										H2O.cap Nut.ret
EMF.3.172	EMF.3	3	Ri.AG				Soil.het					Nut.ret
EMF.3.173	EMF.3	3		Ri.BG								H2O.cap
EMF.3.174	EMF.3	3		Ri.BG		Veg.str				FW.AG		
EMF.3.175	EMF.3	3									FW.BG	H2O.cap
EMF.3.176	EMF.3	3		Ri.BG			Soil.het					
EMF.3.177	EMF.3	3		Ri.BG								Nut.ret
EMF.3.178	EMF.3	3	Ri.AG								C.stor	H2O.cap
EMF.3.179	EMF.3	3					Soil.het	FD.AG				
EMF.3.180	EMF.3	3		Ri.BG		Veg.str					FW.BG	
EMF.3.181	EMF.3	3						FD.AG	FD.BG			
EMF.3.182	EMF.3	3	Ri.AG				Soil.het					H2O.cap
EMF.3.183	EMF.3	3				Veg.str		FD.AG			FW.BG	
EMF.3.184	EMF.3	3									C.stor	Nut.ret
EMF.3.185	EMF.3	3					Soil.het		FD.BG			
EMF.3.186	EMF.3	3	Ri.AG						FD.BG		C.stor	
EMF.3.187	EMF.3	3		Ri.BG					FD.BG			



EMF.3.188	EMF.3	3	Ri.AG		FD.AG			H2O.cap	
EMF.3.189	EMF.3	3					FW.BG		Nut.ret
EMF.3.190	EMF.3	3	Ri.AG					H2O.cap	Nut.ret
EMF.3.191	EMF.3	3	Ri.AG		FD.AG				Nut.ret
EMF.3.192	EMF.3	3	Ri.BG	Veg.str	FD.AG				
EMF.3.193	EMF.3	3	Ri.BG				FW.AG	C.stor	
EMF.3.194	EMF.3	3	Ri.AG				FW.BG	H2O.cap	
EMF.3.195	EMF.3	3					FW.AG	FW.BG	C.stor
EMF.3.196	EMF.3	3	Ri.AG				FW.BG		Nut.ret
EMF.3.197	EMF.3	3		Soil.het			FW.BG		
EMF.3.198	EMF.3	3			FD.AG		FW.AG	C.stor	
EMF.3.199	EMF.3	3				FD.BG		C.stor	H2O.cap
EMF.3.200	EMF.3	3	Ri.AG	Ri.BG				H2O.cap	
EMF.3.201	EMF.3	3				FD.BG		FW.BG	
EMF.3.202	EMF.3	3				FD.AG		FW.BG	
EMF.3.203	EMF.3	3	Ri.BG			FD.AG			
EMF.3.204	EMF.3	3	Ri.AG		Soil.het			FW.BG	
EMF.3.205	EMF.3	3	Ri.BG					C.stor	
EMF.3.206	EMF.3	3					FW.BG	C.stor	
EMF.3.207	EMF.3	3	Ri.AG		Soil.het		FD.BG		
EMF.3.208	EMF.3	3	Ri.AG					C.stor	Nut.ret
EMF.3.209	EMF.3	3	Ri.AG	Ri.BG					Nut.ret
EMF.3.210	EMF.3	3			Soil.het	FD.AG		FW.AG	
EMF.3.211	EMF.3	3	Ri.AG			FD.AG			C.stor
EMF.3.212	EMF.3	3	Ri.AG				FD.BG		FW.BG
EMF.3.213	EMF.3	3	Ri.AG		Soil.het	FD.AG			
EMF.3.214	EMF.3	3					FD.BG		H2O.cap
EMF.3.215	EMF.3	3	Ri.AG	Ri.BG	Soil.het				Nut.ret
EMF.3.216	EMF.3	3	Ri.BG					FW.BG	
EMF.3.217	EMF.3	3	Ri.AG					FW.BG	C.stor
EMF.3.218	EMF.3	3				FD.AG	FD.BG		Nut.ret
EMF.3.219	EMF.3	3	Ri.AG			FD.AG	FD.BG		
EMF.3.220	EMF.3	3					FD.BG		C.stor
EMF.3.221	EMF.3	3			Soil.het		FD.BG	FW.AG	
EMF.3.222	EMF.3	3	Ri.AG	Ri.BG					C.stor
EMF.3.223	EMF.3	3	Ri.AG	Ri.BG			FD.BG		
EMF.3.224	EMF.3	3	Ri.AG			FD.AG		FW.BG	
EMF.3.225	EMF.3	3				FD.AG	FD.BG	FW.AG	
EMF.3.226	EMF.3	3	Ri.BG				FD.BG		Nut.ret
EMF.3.227	EMF.3	3			Soil.het		FD.BG		C.stor
EMF.3.228	EMF.3	3			Soil.het		FW.AG	FW.BG	
EMF.3.229	EMF.3	3			Soil.het		FD.BG		Nut.ret
EMF.3.230	EMF.3	3	Ri.BG		Soil.het		FW.AG		
EMF.3.231	EMF.3	3				FD.AG			C.stor
EMF.3.232	EMF.3	3	Ri.AG	Ri.BG				FW.BG	H2O.cap
EMF.3.233	EMF.3	3					FD.BG	FW.AG	FW.BG
EMF.3.234	EMF.3	3			Soil.het				C.stor
EMF.3.235	EMF.3	3					FD.BG	FW.BG	Nut.ret
EMF.3.236	EMF.3	3	Ri.BG				FD.BG	FW.AG	
EMF.3.237	EMF.3	3				FD.AG	FD.BG		H2O.cap
EMF.3.238	EMF.3	3	Ri.BG				FD.BG		H2O.cap
EMF.3.239	EMF.3	3				FD.AG	FD.BG		C.stor
EMF.3.240	EMF.3	3				FD.AG		FW.AG	FW.BG
EMF.3.241	EMF.3	3	Ri.BG				FD.AG	FW.AG	
EMF.3.242	EMF.3	3			Soil.het		FD.AG		C.stor
EMF.3.243	EMF.3	3	Ri.AG	Ri.BG			FD.AG		
EMF.3.244	EMF.3	3			Soil.het		FD.BG		H2O.cap
EMF.3.245	EMF.3	3					FD.BG		FW.BG
EMF.3.246	EMF.3	3			Soil.het				C.stor
EMF.3.247	EMF.3	3	Ri.BG					FW.AG	FW.BG
EMF.3.248	EMF.3	3			Soil.het				FW.BG
EMF.3.249	EMF.3	3	Ri.BG				FD.BG		C.stor
EMF.3.250	EMF.3	3					FD.BG		FW.BG

EMF.3.251	EMF.3	3	Ri.BG		Soil.het			C.stor		
EMF.3.252	EMF.3	3						C.stor	H2O.cap	Nut.ret
EMF.3.253	EMF.3	3				FD.AG			H2O.cap	Nut.ret
EMF.3.254	EMF.3	3	Ri.BG					C.stor	H2O.cap	
EMF.3.255	EMF.3	3					FW.BG	C.stor	H2O.cap	
EMF.3.256	EMF.3	3			Soil.het				H2O.cap	Nut.ret
EMF.3.257	EMF.3	3			Soil.het	FD.AG				Nut.ret
EMF.3.258	EMF.3	3	Ri.BG		Soil.het					Nut.ret
EMF.3.259	EMF.3	3			Soil.het		FW.BG			Nut.ret
EMF.3.260	EMF.3	3				FD.AG		C.stor		Nut.ret
EMF.3.261	EMF.3	3			Soil.het	FD.AG			H2O.cap	
EMF.3.262	EMF.3	3					FW.BG		H2O.cap	Nut.ret
EMF.3.263	EMF.3	3	Ri.BG						H2O.cap	Nut.ret
EMF.3.264	EMF.3	3				FD.AG	FW.BG		H2O.cap	
EMF.3.265	EMF.3	3				FD.AG	FW.BG			Nut.ret
EMF.3.266	EMF.3	3	Ri.BG		Soil.het				H2O.cap	
EMF.3.267	EMF.3	3			Soil.het		FW.BG		H2O.cap	
EMF.3.268	EMF.3	3	Ri.BG			FD.AG			H2O.cap	
EMF.3.269	EMF.3	3	Ri.BG			FD.AG				Nut.ret
EMF.3.270	EMF.3	3	Ri.BG				FW.BG		H2O.cap	
EMF.3.271	EMF.3	3					FW.BG	C.stor		Nut.ret
EMF.3.272	EMF.3	3	Ri.BG					C.stor		Nut.ret
EMF.3.273	EMF.3	3				FD.AG	FW.BG	C.stor		
EMF.3.274	EMF.3	3	Ri.BG			FD.AG		C.stor		
EMF.3.275	EMF.3	3	Ri.BG				FW.BG			Nut.ret
EMF.3.276	EMF.3	3	Ri.BG		Soil.het	FD.BG				
EMF.3.277	EMF.3	3			Soil.het	FD.BG	FW.BG			
EMF.3.278	EMF.3	3			Soil.het	FD.AG	FD.BG			
EMF.3.279	EMF.3	3	Ri.BG				FW.BG	C.stor		
EMF.3.280	EMF.3	3				FD.AG	FD.BG	FW.BG		
EMF.3.281	EMF.3	3	Ri.BG				FD.BG	FW.BG		
EMF.3.282	EMF.3	3	Ri.BG			FD.AG	FD.BG			
EMF.3.283	EMF.3	3			Soil.het	FD.AG		FW.BG		
EMF.3.284	EMF.3	3	Ri.BG		Soil.het			FW.BG		
EMF.3.285	EMF.3	3	Ri.BG		Soil.het	FD.AG				
EMF.3.286	EMF.3	3	Ri.BG			FD.AG		FW.BG		
EMF.2.001	EMF.2	2	Ri.AG	Ri.Plant						
EMF.2.002	EMF.2	2		Ri.Plant					H2O.cap	
EMF.2.003	EMF.2	2					FW.AG		H2O.cap	
EMF.2.004	EMF.2	2		Veg.str					H2O.cap	
EMF.2.005	EMF.2	2		Ri.Plant	Soil.het					
EMF.2.006	EMF.2	2		Veg.str						Nut.ret
EMF.2.007	EMF.2	2		Veg.str						
EMF.2.008	EMF.2	2		Ri.Plant	Veg.str					
EMF.2.009	EMF.2	2		Ri.Plant						Nut.ret
EMF.2.010	EMF.2	2		Ri.Plant			FW.AG			
EMF.2.011	EMF.2	2	Ri.AG	Veg.str						
EMF.2.012	EMF.2	2					FW.AG			
EMF.2.013	EMF.2	2		Ri.Plant						
EMF.2.014	EMF.2	2		Veg.str			FD.BG			
EMF.2.015	EMF.2	2	Ri.AG							
EMF.2.016	EMF.2	2		Ri.Plant				C.stor		
EMF.2.017	EMF.2	2		Veg.str				C.stor		
EMF.2.018	EMF.2	2		Ri.Plant			FD.BG			
EMF.2.019	EMF.2	2		Veg.str	Soil.het					
EMF.2.020	EMF.2	2		Ri.Plant		FD.AG				
EMF.2.021	EMF.2	2					FW.AG			Nut.ret
EMF.2.022	EMF.2	2	Ri.AG				FW.AG			
EMF.2.023	EMF.2	2		Ri.Plant				FW.BG		
EMF.2.024	EMF.2	2	Ri.BG	Ri.Plant						
EMF.2.025	EMF.2	2		Veg.str			FW.AG			
EMF.2.026	EMF.2	2							H2O.cap	
EMF.2.027	EMF.2	2		Veg.str			FW.BG			

EMF.2.028	EMF.2	2								Nut.ret
EMF.2.029	EMF.2	2	Ri.BG	Veg.str						
EMF.2.030	EMF.2	2		Veg.str	FD.AG					
EMF.2.031	EMF.2	2		Soil.het						
EMF.2.032	EMF.2	2				FW.AG		C.stor		
EMF.2.033	EMF.2	2			FD.BG					
EMF.2.034	EMF.2	2	Ri.AG						H2O.cap	
EMF.2.035	EMF.2	2						C.stor		
EMF.2.036	EMF.2	2			FD.AG					
EMF.2.037	EMF.2	2	Ri.AG							Nut.ret
EMF.2.038	EMF.2	2	Ri.AG	Soil.het						
EMF.2.039	EMF.2	2	Ri.BG							
EMF.2.040	EMF.2	2					FW.BG			
EMF.2.041	EMF.2	2	Ri.AG		FD.BG					
EMF.2.042	EMF.2	2	Ri.AG					C.stor		
EMF.2.043	EMF.2	2		Soil.het		FW.AG				
EMF.2.044	EMF.2	2	Ri.AG				FW.BG			
EMF.2.045	EMF.2	2			FD.BG					Nut.ret
EMF.2.046	EMF.2	2			FD.BG	FW.AG				
EMF.2.047	EMF.2	2			FD.AG	FW.AG				
EMF.2.048	EMF.2	2	Ri.AG		FD.AG					
EMF.2.049	EMF.2	2	Ri.AG	Ri.BG						
EMF.2.050	EMF.2	2			FD.BG				H2O.cap	
EMF.2.051	EMF.2	2				FW.AG	FW.BG			
EMF.2.052	EMF.2	2	Ri.BG			FW.AG				
EMF.2.053	EMF.2	2			FD.BG			C.stor		
EMF.2.054	EMF.2	2		Soil.het				C.stor		
EMF.2.055	EMF.2	2						C.stor	H2O.cap	
EMF.2.056	EMF.2	2		Soil.het						Nut.ret
EMF.2.057	EMF.2	2							H2O.cap	Nut.ret
EMF.2.058	EMF.2	2			FD.AG				H2O.cap	
EMF.2.059	EMF.2	2		Soil.het					H2O.cap	
EMF.2.060	EMF.2	2			FD.AG					Nut.ret
EMF.2.061	EMF.2	2					FW.BG		H2O.cap	
EMF.2.062	EMF.2	2	Ri.BG						H2O.cap	
EMF.2.063	EMF.2	2						C.stor		Nut.ret
EMF.2.064	EMF.2	2					FW.BG			Nut.ret
EMF.2.065	EMF.2	2			FD.AG			C.stor		
EMF.2.066	EMF.2	2	Ri.BG							Nut.ret
EMF.2.067	EMF.2	2		Soil.het	FD.BG					
EMF.2.068	EMF.2	2	Ri.BG					C.stor		
EMF.2.069	EMF.2	2	Ri.BG		FD.BG					
EMF.2.070	EMF.2	2					FW.BG	C.stor		
EMF.2.071	EMF.2	2			FD.BG	FW.BG				
EMF.2.072	EMF.2	2			FD.AG	FD.BG				
EMF.2.073	EMF.2	2		Soil.het			FW.BG			
EMF.2.074	EMF.2	2	Ri.BG	Soil.het						
EMF.2.075	EMF.2	2		Soil.het	FD.AG					
EMF.2.076	EMF.2	2			FD.AG		FW.BG			
EMF.2.077	EMF.2	2	Ri.BG				FW.BG			
EMF.2.078	EMF.2	2	Ri.BG		FD.AG					
EMF.1.001	EMF.1	1		Ri.Plant						
EMF.1.002	EMF.1	1		Veg.str						
EMF.1.003	EMF.1	1								
EMF.1.004	EMF.1	1	Ri.AG							
EMF.1.005	EMF.1	1				FW.AG				
EMF.1.006	EMF.1	1							H2O.cap	
EMF.1.007	EMF.1	1								Nut.ret
EMF.1.008	EMF.1	1						C.stor		
EMF.1.009	EMF.1	1				FD.BG				
EMF.1.010	EMF.1	1		Soil.het						
EMF.1.011	EMF.1	1					FW.BG			
EMF.1.012	EMF.1	1			FD.AG					

EMF.1.013 EMF.1 1 Ri.BG

For Review Only

N.min	r2	BIC	$\Delta$ BIC.overall	$\Delta$ BIC.cluster	Cost	best.r2	best.cost
N.min	0.995	-234.458	-	-	67	yes	yes
N.min	0.994	-231.668	2.789	2.789	68	no	no
N.min	0.992	-211.356	23.102	23.102	69	no	no
N.min	0.988	-192.766	41.692	41.692	74	no	no
	0.988	-192.128	42.330	42.330	72	no	no
N.min	0.986	-181.500	52.958	52.958	74	no	no
N.min	0.983	-173.295	61.162	61.162	67	no	yes
N.min	0.983	-170.915	63.542	63.542	69	no	no
N.min	0.982	-168.097	66.361	66.361	76	no	no
N.min	0.981	-166.013	68.445	68.445	74	no	no
N.min	0.978	-158.786	75.671	75.671	75	no	no
N.min	0.973	-147.498	86.960	86.960	69	no	no
N.min	0.972	-145.088	89.370	89.370	70	no	no
N.min	0.988	-197.292	37.166	-	58	yes	no
N.min	0.986	-185.580	48.878	11.712	65	no	no
	0.985	-183.558	50.899	13.733	63	no	no
N.min	0.985	-183.153	51.305	14.139	60	no	no
N.min	0.985	-181.909	52.549	15.383	64	no	no
N.min	0.983	-175.557	58.901	21.735	66	no	no
	0.983	-174.722	59.736	22.569	62	no	no
N.min	0.982	-174.140	60.317	23.151	59	no	no
N.min	0.982	-173.184	61.274	24.108	59	no	no
N.min	0.981	-170.116	64.342	27.176	58	no	no
	0.980	-166.084	68.373	31.207	64	no	no
N.min	0.978	-160.675	73.783	36.617	64	no	no
	0.977	-160.402	74.055	36.889	69	no	no
N.min	0.977	-160.261	74.197	37.031	66	no	no
N.min	0.977	-159.998	74.460	37.294	65	no	no
N.min	0.976	-156.525	77.933	40.767	60	no	no
N.min	0.975	-155.727	78.731	41.565	64	no	no
N.min	0.975	-155.723	78.734	41.568	67	no	no
N.min	0.975	-155.130	79.328	42.162	57	no	yes
N.min	0.975	-154.991	79.467	42.300	66	no	no
N.min	0.975	-154.860	79.598	42.432	73	no	no
N.min	0.975	-154.730	79.727	42.561	66	no	no
N.min	0.975	-154.558	79.900	42.734	64	no	no
N.min	0.975	-154.119	80.339	43.173	65	no	no
N.min	0.974	-153.174	81.283	44.117	66	no	no
	0.973	-151.467	82.990	45.824	64	no	no
N.min	0.972	-148.281	86.177	49.011	65	no	no
N.min	0.971	-147.341	87.117	49.951	60	no	no
N.min	0.971	-146.729	87.729	50.563	60	no	no
	0.971	-145.836	88.621	51.455	69	no	no
	0.971	-145.717	88.741	51.575	62	no	no
N.min	0.970	-145.473	88.985	51.818	66	no	no
N.min	0.970	-144.624	89.833	52.667	59	no	no
N.min	0.970	-144.038	90.420	53.254	67	no	no
N.min	0.969	-143.472	90.986	53.820	64	no	no
N.min	0.968	-142.007	92.450	55.284	59	no	no
N.min	0.968	-141.995	92.463	55.297	68	no	no
N.min	0.968	-141.914	92.544	55.378	72	no	no
N.min	0.968	-140.688	93.770	56.604	59	no	no
N.min	0.968	-140.677	93.781	56.615	67	no	no
	0.967	-139.637	94.821	57.655	71	no	no
N.min	0.966	-137.941	96.517	59.351	66	no	no
N.min	0.965	-136.548	97.909	60.743	66	no	no
N.min	0.964	-135.282	99.175	62.009	71	no	no
N.min	0.964	-135.180	99.278	62.112	71	no	no
N.min	0.964	-134.968	99.490	62.324	73	no	no
N.min	0.963	-133.783	100.675	63.509	66	no	no
N.min	0.963	-133.729	100.729	63.563	61	no	no
N.min	0.963	-133.065	101.393	64.227	66	no	no

N.min	0.963	-133.016	101.442	64.276	61	no	no
N.min	0.962	-131.999	102.458	65.292	66	no	no
N.min	0.962	-131.674	102.784	65.618	65	no	no
	0.961	-130.564	103.894	66.728	70	no	no
N.min	0.961	-130.015	104.443	67.277	74	no	no
N.min	0.961	-129.698	104.759	67.593	62	no	no
N.min	0.960	-129.310	105.148	67.982	67	no	no
	0.960	-128.370	106.087	68.921	64	no	no
N.min	0.959	-127.706	106.752	69.586	67	no	no
N.min	0.959	-127.668	106.790	69.624	67	no	no
N.min	0.959	-127.563	106.894	69.728	62	no	no
N.min	0.958	-126.797	107.661	70.495	72	no	no
	0.957	-125.330	109.128	71.962	65	no	no
N.min	0.956	-124.200	110.258	73.092	61	no	no
	0.952	-118.987	115.471	78.305	69	no	no
N.min	0.952	-118.866	115.592	78.426	68	no	no
N.min	0.951	-118.022	116.436	79.270	62	no	no
N.min	0.948	-114.519	119.938	82.772	67	no	no
N.min	0.947	-113.259	121.199	84.033	68	no	no
N.min	0.946	-112.154	122.304	85.138	61	no	no
N.min	0.945	-111.692	122.766	85.600	64	no	no
N.min	0.945	-111.175	123.283	86.117	71	no	no
N.min	0.943	-109.646	124.812	87.646	68	no	no
N.min	0.939	-106.150	128.308	91.141	72	no	no
N.min	0.938	-105.289	129.168	92.002	59	no	no
N.min	0.937	-104.149	130.308	93.142	69	no	no
N.min	0.937	-103.905	130.553	93.387	60	no	no
N.min	0.937	-103.533	130.925	93.759	66	no	no
N.min	0.930	-97.880	136.578	99.412	73	no	no
N.min	0.982	-175.900	58.558	-	55	yes	no
	0.979	-169.265	65.192	6.635	53	no	no
	0.976	-162.091	72.367	13.809	60	no	no
N.min	0.976	-161.925	72.533	13.975	55	no	no
	0.976	-160.999	73.458	14.901	55	no	no
N.min	0.975	-159.205	75.253	16.695	50	no	no
N.min	0.975	-158.984	75.473	16.916	50	no	no
N.min	0.974	-157.191	77.267	18.709	57	no	no
N.min	0.974	-156.671	77.786	19.229	56	no	no
	0.974	-155.849	78.608	20.051	59	no	no
N.min	0.973	-154.210	80.248	21.690	48	no	yes
	0.973	-153.790	80.668	22.110	54	no	no
N.min	0.972	-153.201	81.256	22.699	57	no	no
N.min	0.972	-152.243	82.215	23.658	63	no	no
N.min	0.971	-151.281	83.177	24.620	54	no	no
N.min	0.971	-151.259	83.198	24.641	64	no	no
N.min	0.971	-151.225	83.233	24.675	57	no	no
N.min	0.971	-150.133	84.324	25.767	57	no	no
N.min	0.971	-149.780	84.678	26.120	63	no	no
N.min	0.970	-149.528	84.930	26.372	57	no	no
	0.970	-148.953	85.505	26.947	54	no	no
N.min	0.970	-148.713	85.744	27.187	56	no	no
	0.970	-148.639	85.819	27.261	53	no	no
	0.969	-147.492	86.966	28.408	55	no	no
N.min	0.969	-146.443	88.015	29.457	55	no	no
N.min	0.968	-146.052	88.405	29.848	56	no	no
	0.968	-145.387	89.070	30.513	61	no	no
N.min	0.968	-145.111	89.347	30.789	58	no	no
N.min	0.968	-145.060	89.398	30.840	56	no	no
N.min	0.968	-144.479	89.979	31.421	50	no	no
N.min	0.966	-141.903	92.555	33.998	50	no	no
N.min	0.966	-141.822	92.636	34.078	57	no	no
N.min	0.966	-141.552	92.906	34.348	49	no	no
	0.966	-141.416	93.042	34.484	60	no	no



	0.965	-141.054	93.403	34.846	59	no	no
	0.965	-141.051	93.407	34.849	61	no	no
N.min	0.965	-140.638	93.820	35.262	55	no	no
N.min	0.965	-140.492	93.965	35.408	55	no	no
N.min	0.964	-139.487	94.971	36.413	50	no	no
N.min	0.964	-139.469	94.989	36.431	64	no	no
N.min	0.964	-139.403	95.055	36.497	56	no	no
	0.964	-138.803	95.655	37.098	61	no	no
	0.964	-138.559	95.899	37.341	62	no	no
N.min	0.964	-138.526	95.932	37.375	56	no	no
N.min	0.964	-138.033	96.425	37.867	65	no	no
N.min	0.963	-137.148	97.309	38.752	57	no	no
	0.963	-136.670	97.788	39.230	61	no	no
N.min	0.962	-135.906	98.551	39.994	51	no	no
	0.962	-135.735	98.723	40.165	52	no	no
N.min	0.962	-135.682	98.776	40.218	56	no	no
N.min	0.962	-135.443	99.015	40.458	62	no	no
N.min	0.962	-135.404	99.054	40.496	57	no	no
N.min	0.962	-135.302	99.156	40.598	58	no	no
	0.961	-134.961	99.497	40.939	68	no	no
N.min	0.961	-134.536	99.922	41.364	59	no	no
N.min	0.961	-134.179	100.278	41.721	61	no	no
N.min	0.960	-133.606	100.852	42.294	57	no	no
N.min	0.960	-133.476	100.982	42.424	63	no	no
N.min	0.960	-133.381	101.077	42.519	56	no	no
N.min	0.960	-133.379	101.078	42.521	56	no	no
N.min	0.960	-133.362	101.096	42.538	52	no	no
	0.960	-133.279	101.179	42.621	61	no	no
N.min	0.960	-133.034	101.424	42.866	56	no	no
N.min	0.959	-132.190	102.268	43.710	56	no	no
N.min	0.959	-131.866	102.591	44.034	56	no	no
	0.959	-131.798	102.659	44.102	55	no	no
N.min	0.959	-131.429	103.029	44.472	52	no	no
	0.959	-131.333	103.124	44.567	59	no	no
N.min	0.959	-131.282	103.175	44.618	57	no	no
N.min	0.959	-131.254	103.203	44.646	56	no	no
N.min	0.959	-131.229	103.228	44.671	57	no	no
N.min	0.959	-131.055	103.402	44.845	57	no	no
N.min	0.958	-130.713	103.745	45.187	63	no	no
N.min	0.958	-129.862	104.596	46.039	57	no	no
	0.957	-129.510	104.948	46.390	54	no	no
N.min	0.957	-129.217	105.241	46.683	62	no	no
N.min	0.957	-129.191	105.267	46.710	52	no	no
	0.957	-128.434	106.024	47.467	63	no	no
N.min	0.956	-128.123	106.335	47.778	51	no	no
	0.956	-127.899	106.559	48.001	55	no	no
	0.956	-127.687	106.770	48.213	54	no	no
N.min	0.956	-127.549	106.909	48.351	51	no	no
N.min	0.956	-127.470	106.988	48.430	58	no	no
N.min	0.955	-126.989	107.469	48.911	64	no	no
N.min	0.955	-126.652	107.805	49.248	58	no	no
	0.955	-126.424	108.034	49.476	54	no	no
N.min	0.955	-126.371	108.087	49.529	56	no	no
N.min	0.955	-126.314	108.144	49.586	62	no	no
N.min	0.955	-125.960	108.497	49.940	54	no	no
N.min	0.955	-125.960	108.497	49.940	64	no	no
N.min	0.955	-125.948	108.510	49.952	57	no	no
N.min	0.954	-125.806	108.652	50.095	63	no	no
	0.954	-125.605	108.853	50.295	60	no	no
N.min	0.954	-125.598	108.860	50.302	58	no	no
N.min	0.954	-125.185	109.273	50.716	64	no	no
	0.954	-124.834	109.624	51.066	62	no	no
N.min	0.954	-124.763	109.695	51.138	52	no	no

N.min	0.954	-124.759	109.698	51.141	63	no	no
N.min	0.953	-124.270	110.188	51.630	66	no	no
	0.953	-124.267	110.190	51.633	61	no	no
N.min	0.953	-124.173	110.285	51.727	64	no	no
	0.953	-124.026	110.431	51.874	59	no	no
N.min	0.953	-123.844	110.613	52.056	61	no	no
N.min	0.953	-123.675	110.783	52.225	58	no	no
N.min	0.953	-123.531	110.927	52.369	49	no	no
N.min	0.953	-123.520	110.938	52.380	57	no	no
N.min	0.952	-123.383	111.075	52.517	55	no	no
N.min	0.952	-123.311	111.146	52.589	63	no	no
N.min	0.952	-123.161	111.297	52.739	57	no	no
N.min	0.952	-123.041	111.417	52.859	62	no	no
	0.952	-123.021	111.437	52.879	56	no	no
	0.952	-122.908	111.550	52.992	62	no	no
N.min	0.952	-122.546	111.912	53.354	62	no	no
N.min	0.951	-122.025	112.433	53.875	58	no	no
N.min	0.951	-121.950	112.508	53.950	58	no	no
	0.951	-121.373	113.085	54.527	61	no	no
N.min	0.951	-121.301	113.156	54.599	52	no	no
N.min	0.950	-120.725	113.732	55.175	53	no	no
	0.950	-120.647	113.811	55.253	60	no	no
	0.949	-119.830	114.627	56.070	61	no	no
N.min	0.949	-119.658	114.800	56.242	53	no	no
N.min	0.949	-119.638	114.820	56.262	64	no	no
N.min	0.949	-119.493	114.965	56.407	59	no	no
	0.949	-119.114	115.344	56.786	56	no	no
	0.948	-118.960	115.498	56.940	67	no	no
N.min	0.948	-118.934	115.524	56.966	56	no	no
N.min	0.948	-118.911	115.547	56.989	59	no	no
N.min	0.948	-118.803	115.655	57.097	58	no	no
N.min	0.948	-118.734	115.724	57.166	63	no	no
N.min	0.948	-118.490	115.968	57.410	71	no	no
N.min	0.948	-118.179	116.279	57.721	65	no	no
N.min	0.948	-118.070	116.388	57.830	59	no	no
N.min	0.947	-117.939	116.519	57.961	59	no	no
N.min	0.947	-117.840	116.617	58.060	58	no	no
N.min	0.947	-117.606	116.852	58.294	64	no	no
N.min	0.947	-117.601	116.857	58.299	64	no	no
N.min	0.947	-117.292	117.165	58.608	53	no	no
N.min	0.947	-117.255	117.203	58.645	59	no	no
	0.947	-117.213	117.245	58.687	57	no	no
N.min	0.946	-116.919	117.539	58.981	69	no	no
N.min	0.946	-116.839	117.618	59.061	57	no	no
N.min	0.946	-116.678	117.779	59.222	63	no	no
	0.946	-116.542	117.916	59.358	59	no	no
N.min	0.946	-116.523	117.935	59.377	58	no	no
N.min	0.946	-116.397	118.061	59.503	65	no	no
N.min	0.946	-116.236	118.221	59.664	65	no	no
	0.945	-115.737	118.721	60.163	56	no	no
N.min	0.945	-115.576	118.882	60.325	59	no	no
N.min	0.945	-115.521	118.937	60.380	51	no	no
	0.945	-115.467	118.991	60.433	62	no	no
	0.945	-115.421	119.037	60.479	57	no	no
	0.945	-115.396	119.062	60.504	68	no	no
N.min	0.945	-115.370	119.088	60.530	63	no	no
N.min	0.945	-115.190	119.268	60.710	59	no	no
N.min	0.945	-114.969	119.489	60.931	58	no	no
N.min	0.944	-114.859	119.599	61.041	59	no	no
N.min	0.944	-114.310	120.148	61.590	55	no	no
N.min	0.944	-114.250	120.208	61.650	58	no	no
N.min	0.944	-114.143	120.315	61.757	57	no	no
	0.943	-113.866	120.591	62.034	60	no	no

N.min	0.943	-113.607	120.851	62.293	59	no	no
N.min	0.943	-113.400	121.057	62.500	63	no	no
N.min	0.943	-113.393	121.065	62.507	64	no	no
N.min	0.942	-112.622	121.836	63.278	62	no	no
N.min	0.942	-112.309	122.149	63.591	58	no	no
N.min	0.941	-111.957	122.500	63.943	63	no	no
N.min	0.941	-111.917	122.541	63.983	65	no	no
N.min	0.941	-111.740	122.718	64.160	65	no	no
N.min	0.941	-111.469	122.989	64.431	59	no	no
	0.941	-111.424	123.033	64.476	61	no	no
	0.941	-111.313	123.144	64.587	62	no	no
N.min	0.941	-111.227	123.231	64.673	58	no	no
N.min	0.940	-110.821	123.637	65.079	61	no	no
	0.940	-110.815	123.643	65.085	69	no	no
	0.940	-110.326	124.132	65.574	61	no	no
N.min	0.939	-109.445	125.012	66.455	58	no	no
N.min	0.938	-109.289	125.169	66.612	59	no	no
N.min	0.938	-109.187	125.271	66.713	50	no	no
	0.938	-108.998	125.460	66.902	56	no	no
N.min	0.938	-108.630	125.828	67.270	54	no	no
N.min	0.937	-108.389	126.069	67.511	61	no	no
N.min	0.937	-108.372	126.086	67.528	54	no	no
N.min	0.937	-108.062	126.396	67.838	59	no	no
N.min	0.937	-107.909	126.549	67.991	60	no	no
N.min	0.936	-107.534	126.924	68.366	64	no	no
N.min	0.936	-107.328	127.130	68.572	62	no	no
	0.936	-107.143	127.315	68.758	61	no	no
N.min	0.935	-106.676	127.782	69.224	59	no	no
N.min	0.935	-106.563	127.895	69.337	56	no	no
N.min	0.935	-106.218	128.239	69.682	52	no	no
N.min	0.935	-106.205	128.253	69.695	58	no	no
N.min	0.935	-106.146	128.312	69.754	54	no	no
N.min	0.935	-106.116	128.342	69.784	50	no	no
N.min	0.935	-106.102	128.355	69.798	64	no	no
N.min	0.935	-105.953	128.505	69.947	60	no	no
	0.935	-105.902	128.556	69.999	66	no	no
	0.935	-105.856	128.602	70.044	63	no	no
N.min	0.934	-105.825	128.632	70.075	61	no	no
	0.934	-105.807	128.651	70.094	57	no	no
N.min	0.934	-105.595	128.863	70.306	62	no	no
N.min	0.934	-105.537	128.921	70.363	66	no	no
N.min	0.934	-105.098	129.360	70.802	58	no	no
N.min	0.934	-105.071	129.386	70.829	51	no	no
N.min	0.933	-104.683	129.775	71.218	57	no	no
N.min	0.933	-104.576	129.881	71.324	63	no	no
N.min	0.932	-104.148	130.310	71.752	56	no	no
N.min	0.932	-104.071	130.387	71.829	57	no	no
N.min	0.932	-104.059	130.399	71.841	70	no	no
N.min	0.932	-103.946	130.512	71.954	49	no	no
N.min	0.932	-103.529	130.929	72.371	71	no	no
N.min	0.931	-103.082	131.376	72.818	65	no	no
N.min	0.931	-102.971	131.487	72.929	66	no	no
N.min	0.931	-102.577	131.881	73.323	58	no	no
	0.930	-102.515	131.942	73.385	62	no	no
N.min	0.930	-102.502	131.955	73.398	66	no	no
N.min	0.930	-102.418	132.040	73.482	64	no	no
N.min	0.930	-102.394	132.064	73.506	60	no	no
N.min	0.930	-102.349	132.109	73.551	60	no	no
N.min	0.930	-102.035	132.422	73.865	61	no	no
N.min	0.929	-101.609	132.849	74.292	59	no	no
	0.929	-101.105	133.353	74.795	63	no	no
	0.928	-100.845	133.613	75.055	66	no	no
N.min	0.928	-100.731	133.726	75.169	58	no	no

	0.928	-100.358	134.100	75.542	66	no	no
N.min	0.928	-100.349	134.109	75.551	61	no	no
N.min	0.927	-100.137	134.320	75.763	63	no	no
	0.927	-99.987	134.471	75.913	62	no	no
N.min	0.927	-99.892	134.566	76.008	52	no	no
N.min	0.927	-99.665	134.792	76.235	57	no	no
N.min	0.926	-99.150	135.308	76.750	56	no	no
N.min	0.926	-99.111	135.347	76.789	60	no	no
N.min	0.926	-99.029	135.429	76.871	63	no	no
N.min	0.925	-98.681	135.777	77.219	63	no	no
N.min	0.925	-98.632	135.826	77.268	64	no	no
N.min	0.925	-98.025	136.433	77.875	65	no	no
N.min	0.924	-97.738	136.720	78.163	58	no	no
N.min	0.924	-97.636	136.821	78.264	51	no	no
N.min	0.924	-97.466	136.991	78.434	59	no	no
N.min	0.922	-96.468	137.990	79.432	62	no	no
	0.922	-96.179	138.279	79.721	54	no	no
N.min	0.922	-95.987	138.471	79.913	65	no	no
N.min	0.921	-95.848	138.610	80.052	64	no	no
N.min	0.921	-95.224	139.233	80.676	70	no	no
	0.921	-95.196	139.262	80.704	67	no	no
	0.920	-95.069	139.389	80.831	63	no	no
N.min	0.920	-94.754	139.704	81.146	56	no	no
N.min	0.920	-94.641	139.817	81.259	59	no	no
	0.919	-94.342	140.116	81.558	67	no	no
N.min	0.919	-93.958	140.499	81.942	64	no	no
	0.919	-93.955	140.502	81.945	55	no	no
N.min	0.919	-93.950	140.508	81.950	54	no	no
N.min	0.917	-92.592	141.866	83.308	51	no	no
	0.916	-92.239	142.219	83.661	64	no	no
	0.915	-91.427	143.031	84.473	61	no	no
N.min	0.914	-91.133	143.325	84.767	51	no	no
N.min	0.914	-90.870	143.588	85.030	53	no	no
N.min	0.912	-89.778	144.679	86.122	63	no	no
N.min	0.912	-89.391	145.067	86.509	56	no	no
N.min	0.910	-88.539	145.918	87.361	52	no	no
N.min	0.910	-88.377	146.081	87.523	58	no	no
N.min	0.909	-87.798	146.659	88.102	57	no	no
N.min	0.909	-87.570	146.888	88.330	65	no	no
N.min	0.908	-86.907	147.551	88.993	61	no	no
N.min	0.907	-86.770	147.688	89.130	69	no	no
N.min	0.907	-86.759	147.698	89.141	71	no	no
N.min	0.907	-86.563	147.895	89.337	68	no	no
N.min	0.907	-86.428	148.029	89.472	67	no	no
N.min	0.905	-85.567	148.891	90.333	58	no	no
N.min	0.905	-85.493	148.965	90.408	57	no	no
N.min	0.904	-84.948	149.510	90.952	60	no	no
N.min	0.903	-84.289	150.169	91.611	70	no	no
N.min	0.902	-83.909	150.549	91.991	59	no	no
N.min	0.902	-83.787	150.671	92.113	66	no	no
	0.901	-83.241	151.216	92.659	59	no	no
N.min	0.897	-81.194	153.264	94.706	65	no	no
N.min	0.895	-79.650	154.808	96.250	65	no	no
N.min	0.894	-79.402	155.056	96.498	52	no	no
N.min	0.892	-78.322	156.136	97.578	56	no	no
N.min	0.891	-77.632	156.826	98.268	66	no	no
N.min	0.890	-77.401	157.057	98.500	64	no	no
N.min	0.890	-77.195	157.263	98.705	60	no	no
N.min	0.881	-73.180	161.278	102.720	61	no	no
N.min	0.881	-73.109	161.348	102.791	69	no	no
N.min	0.868	-67.431	167.027	108.469	63	no	no
	0.864	-65.798	168.660	110.103	68	no	no
N.min	0.850	-60.214	174.243	115.686	65	no	no

	0.972	-157.350	77.108	-	50	yes	no
N.min	0.970	-152.969	81.488		4.381	47	no
N.min	0.970	-152.744	81.714		4.606	45	no
	0.968	-150.054	84.404		7.296	45	no
N.min	0.968	-149.720	84.738		7.630	54	no
N.min	0.968	-148.683	85.775		8.667	54	no
	0.966	-145.765	88.693		11.585	45	no
N.min	0.966	-145.158	89.300		12.192	53	no
	0.965	-144.864	89.594		12.486	50	no
	0.965	-144.377	90.081		12.973	51	no
N.min	0.965	-144.226	90.232		13.124	47	no
N.min	0.964	-143.501	90.956		13.849	47	no
	0.964	-142.132	92.325		15.217	52	no
N.min	0.963	-141.631	92.827		15.719	55	no
	0.963	-141.343	93.114		16.007	52	no
	0.963	-141.225	93.232		16.125	52	no
N.min	0.963	-140.829	93.629		16.521	40	yes
N.min	0.963	-140.654	93.804		16.696	46	no
N.min	0.962	-139.535	94.923		17.815	47	no
	0.961	-138.910	95.547		18.440	43	no
N.min	0.961	-137.771	96.686		19.579	49	no
N.min	0.960	-137.300	97.157		20.049	48	no
N.min	0.960	-136.851	97.607		20.499	47	no
	0.960	-136.816	97.642		20.534	59	no
N.min	0.959	-136.234	98.224		21.116	47	no
	0.959	-135.885	98.572		21.465	52	no
	0.959	-135.510	98.947		21.840	52	no
	0.959	-135.426	99.032		21.924	49	no
N.min	0.959	-135.224	99.234		22.126	55	no
N.min	0.959	-135.160	99.298		22.190	56	no
N.min	0.958	-134.558	99.900		22.792	47	no
N.min	0.958	-134.526	99.932		22.824	47	no
	0.958	-134.387	100.071		22.963	58	no
N.min	0.958	-134.233	100.224		23.117	52	no
N.min	0.957	-133.275	101.182		24.075	49	no
N.min	0.957	-132.860	101.597		24.490	47	no
	0.957	-132.617	101.841		24.733	58	no
	0.957	-132.425	102.033		24.925	51	no
	0.956	-131.973	102.485		25.377	45	no
N.min	0.956	-131.956	102.502		25.394	47	no
	0.956	-131.423	103.035		25.927	53	no
	0.955	-131.004	103.453		26.345	45	no
	0.955	-130.399	104.059		26.951	44	no
	0.954	-129.671	104.787		27.679	45	no
	0.954	-129.600	104.858		27.750	51	no
	0.954	-129.325	105.132		28.025	51	no
N.min	0.954	-129.077	105.381		28.273	48	no
	0.954	-128.859	105.598		28.491	51	no
N.min	0.953	-128.659	105.798		28.691	42	no
	0.953	-128.148	106.309		29.202	50	no
N.min	0.953	-128.106	106.352		29.244	48	no
N.min	0.953	-127.833	106.625		29.517	42	no
	0.952	-127.433	107.025		29.917	54	no
	0.952	-127.320	107.138		30.030	60	no
N.min	0.952	-127.000	107.458		30.350	47	no
N.min	0.952	-126.967	107.491		30.383	53	no
N.min	0.952	-126.761	107.697		30.589	54	no
N.min	0.951	-126.355	108.103		30.995	56	no
	0.951	-126.257	108.200		31.093	50	no
	0.951	-125.825	108.633		31.525	52	no
	0.951	-125.715	108.743		31.635	46	no
N.min	0.951	-125.521	108.937		31.829	54	no
N.min	0.951	-125.415	109.043		31.935	54	no

N.min	0.950	-124.714	109.743	32.636	40	no	yes
N.min	0.950	-124.557	109.901	32.793	45	no	no
	0.950	-124.416	110.042	32.934	53	no	no
N.min	0.949	-124.079	110.379	33.271	48	no	no
N.min	0.949	-123.856	110.602	33.494	47	no	no
	0.949	-123.821	110.637	33.529	52	no	no
N.min	0.949	-123.789	110.669	33.561	54	no	no
N.min	0.949	-123.746	110.712	33.604	55	no	no
N.min	0.949	-123.517	110.941	33.833	43	no	no
N.min	0.949	-123.300	111.158	34.050	54	no	no
N.min	0.949	-123.213	111.244	34.137	47	no	no
N.min	0.948	-123.035	111.423	34.315	49	no	no
N.min	0.948	-122.811	111.647	34.539	48	no	no
	0.948	-122.438	112.020	34.912	47	no	no
N.min	0.948	-122.155	112.303	35.195	49	no	no
N.min	0.948	-122.068	112.390	35.282	49	no	no
N.min	0.948	-122.050	112.408	35.300	54	no	no
N.min	0.947	-121.853	112.605	35.497	48	no	no
N.min	0.947	-121.781	112.677	35.569	49	no	no
N.min	0.947	-121.666	112.792	35.684	48	no	no
	0.947	-121.623	112.834	35.726	51	no	no
	0.947	-121.502	112.956	35.848	51	no	no
N.min	0.947	-121.412	113.046	35.938	54	no	no
N.min	0.947	-121.346	113.112	36.004	49	no	no
	0.947	-121.189	113.269	36.161	51	no	no
	0.947	-121.176	113.282	36.174	47	no	no
N.min	0.946	-120.910	113.547	36.440	43	no	no
N.min	0.946	-120.792	113.665	36.558	56	no	no
N.min	0.946	-120.713	113.744	36.636	53	no	no
N.min	0.946	-120.708	113.750	36.642	46	no	no
N.min	0.946	-120.701	113.757	36.649	54	no	no
N.min	0.946	-120.572	113.886	36.778	43	no	no
	0.946	-120.485	113.973	36.865	51	no	no
N.min	0.946	-120.426	114.032	36.924	53	no	no
N.min	0.946	-120.319	114.139	37.031	53	no	no
	0.946	-120.137	114.321	37.213	51	no	no
N.min	0.946	-120.117	114.340	37.233	49	no	no
N.min	0.945	-119.622	114.836	37.728	46	no	no
N.min	0.945	-119.600	114.857	37.750	48	no	no
	0.945	-119.567	114.890	37.783	46	no	no
	0.945	-119.560	114.897	37.790	53	no	no
	0.945	-119.252	115.206	38.098	59	no	no
	0.945	-119.164	115.293	38.186	52	no	no
N.min	0.945	-119.133	115.325	38.217	55	no	no
	0.944	-118.828	115.630	38.522	47	no	no
N.min	0.944	-118.622	115.835	38.728	49	no	no
	0.944	-118.261	116.197	39.089	50	no	no
	0.944	-118.173	116.285	39.177	52	no	no
N.min	0.944	-118.140	116.318	39.210	49	no	no
N.min	0.944	-118.125	116.333	39.225	54	no	no
N.min	0.944	-118.026	116.432	39.324	54	no	no
N.min	0.944	-117.976	116.482	39.374	48	no	no
N.min	0.943	-117.840	116.618	39.510	46	no	no
N.min	0.943	-117.791	116.667	39.559	48	no	no
N.min	0.943	-117.756	116.702	39.594	55	no	no
N.min	0.943	-117.613	116.845	39.737	53	no	no
N.min	0.943	-117.481	116.977	39.869	54	no	no
N.min	0.943	-117.424	117.033	39.926	50	no	no
	0.943	-117.317	117.141	40.033	53	no	no
	0.943	-117.278	117.179	40.071	53	no	no
N.min	0.942	-116.914	117.544	40.436	54	no	no
N.min	0.942	-116.889	117.569	40.461	49	no	no
N.min	0.942	-116.876	117.582	40.474	47	no	no



N.min	0.942	-116.777	117.681	40.573	49	no	no
N.min	0.942	-116.769	117.689	40.581	46	no	no
N.min	0.942	-116.567	117.890	40.783	54	no	no
N.min	0.942	-116.502	117.956	40.848	61	no	no
N.min	0.942	-116.462	117.995	40.888	52	no	no
	0.942	-116.238	118.220	41.112	47	no	no
N.min	0.942	-116.179	118.279	41.171	55	no	no
	0.941	-115.965	118.492	41.385	46	no	no
N.min	0.941	-115.728	118.730	41.622	61	no	no
N.min	0.941	-115.635	118.823	41.715	50	no	no
N.min	0.941	-115.580	118.878	41.770	50	no	no
N.min	0.941	-115.504	118.954	41.846	48	no	no
N.min	0.941	-115.204	119.253	42.145	56	no	no
	0.941	-115.197	119.260	42.153	52	no	no
N.min	0.941	-115.177	119.280	42.172	53	no	no
	0.940	-115.123	119.335	42.227	48	no	no
N.min	0.940	-114.913	119.545	42.437	55	no	no
N.min	0.940	-114.749	119.708	42.601	50	no	no
N.min	0.940	-114.623	119.834	42.726	57	no	no
N.min	0.940	-114.614	119.844	42.736	49	no	no
	0.940	-114.584	119.873	42.766	51	no	no
N.min	0.940	-114.509	119.949	42.841	55	no	no
N.min	0.940	-114.429	120.028	42.921	53	no	no
	0.940	-114.289	120.169	43.061	59	no	no
	0.939	-114.116	120.342	43.234	51	no	no
	0.939	-113.945	120.513	43.405	58	no	no
N.min	0.939	-113.787	120.671	43.563	48	no	no
N.min	0.939	-113.782	120.675	43.568	49	no	no
N.min	0.939	-113.485	120.973	43.865	49	no	no
N.min	0.939	-113.483	120.975	43.867	54	no	no
N.min	0.939	-113.464	120.993	43.886	53	no	no
N.min	0.939	-113.460	120.998	43.890	55	no	no
	0.939	-113.398	121.060	43.952	48	no	no
N.min	0.939	-113.366	121.091	43.984	55	no	no
N.min	0.939	-113.364	121.094	43.986	52	no	no
	0.939	-113.318	121.140	44.032	58	no	no
N.min	0.939	-113.317	121.141	44.033	55	no	no
	0.938	-113.229	121.229	44.121	44	no	no
N.min	0.938	-113.222	121.236	44.128	49	no	no
N.min	0.938	-113.219	121.239	44.131	49	no	no
N.min	0.938	-113.175	121.283	44.175	54	no	no
	0.938	-112.749	121.709	44.601	52	no	no
N.min	0.938	-112.737	121.720	44.613	61	no	no
	0.938	-112.554	121.904	44.796	53	no	no
	0.938	-112.517	121.941	44.833	53	no	no
N.min	0.937	-112.399	122.059	44.951	50	no	no
N.min	0.937	-112.333	122.125	45.017	55	no	no
N.min	0.937	-112.306	122.152	45.044	53	no	no
N.min	0.937	-112.250	122.208	45.100	44	no	no
	0.937	-112.218	122.240	45.132	46	no	no
	0.937	-112.090	122.368	45.260	54	no	no
	0.937	-112.070	122.387	45.279	52	no	no
N.min	0.937	-112.030	122.428	45.320	52	no	no
	0.937	-111.946	122.512	45.404	52	no	no
N.min	0.937	-111.914	122.544	45.436	52	no	no
	0.937	-111.889	122.568	45.461	49	no	no
N.min	0.937	-111.880	122.578	45.470	50	no	no
N.min	0.937	-111.868	122.589	45.482	48	no	no
N.min	0.937	-111.860	122.598	45.490	50	no	no
	0.937	-111.789	122.669	45.561	59	no	no
N.min	0.937	-111.780	122.678	45.570	56	no	no
N.min	0.936	-111.292	123.165	46.057	63	no	no
N.min	0.936	-111.272	123.185	46.078	56	no	no

N.min	0.936	-111.237	123.221	46.113	55	no	no
	0.936	-111.102	123.356	46.248	57	no	no
	0.936	-111.068	123.390	46.282	52	no	no
N.min	0.936	-111.066	123.392	46.284	50	no	no
N.min	0.936	-111.063	123.394	46.286	55	no	no
	0.936	-110.845	123.613	46.505	61	no	no
N.min	0.936	-110.817	123.641	46.533	50	no	no
	0.936	-110.777	123.680	46.573	52	no	no
N.min	0.935	-110.615	123.843	46.735	55	no	no
N.min	0.935	-110.565	123.893	46.785	54	no	no
N.min	0.935	-110.377	124.081	46.973	56	no	no
N.min	0.935	-110.308	124.150	47.042	54	no	no
	0.935	-110.230	124.228	47.120	51	no	no
N.min	0.935	-110.229	124.228	47.120	44	no	no
N.min	0.935	-110.191	124.266	47.158	47	no	no
N.min	0.935	-109.989	124.469	47.361	56	no	no
N.min	0.935	-109.942	124.516	47.408	50	no	no
	0.935	-109.911	124.547	47.439	59	no	no
N.min	0.934	-109.805	124.653	47.545	59	no	no
	0.934	-109.760	124.698	47.590	57	no	no
N.min	0.934	-109.740	124.718	47.610	56	no	no
N.min	0.934	-109.732	124.725	47.618	53	no	no
	0.934	-109.694	124.764	47.656	58	no	no
N.min	0.934	-109.647	124.811	47.703	42	no	no
	0.934	-109.343	125.115	48.007	47	no	no
N.min	0.934	-109.329	125.129	48.021	49	no	no
N.min	0.934	-109.284	125.173	48.066	56	no	no
N.min	0.933	-108.995	125.463	48.355	45	no	no
	0.933	-108.833	125.625	48.517	50	no	no
	0.933	-108.812	125.645	48.537	59	no	no
	0.933	-108.480	125.978	48.870	48	no	no
	0.933	-108.479	125.979	48.871	53	no	no
N.min	0.933	-108.321	126.137	49.029	45	no	no
	0.932	-108.164	126.293	49.186	54	no	no
N.min	0.932	-108.132	126.325	49.218	61	no	no
N.min	0.932	-107.885	126.572	49.465	51	no	no
N.min	0.932	-107.877	126.581	49.473	40	no	yes
N.min	0.932	-107.833	126.624	49.516	45	no	no
N.min	0.932	-107.765	126.693	49.585	51	no	no
	0.932	-107.717	126.740	49.632	60	no	no
N.min	0.932	-107.687	126.771	49.663	62	no	no
N.min	0.932	-107.656	126.802	49.694	55	no	no
N.min	0.932	-107.656	126.802	49.694	55	no	no
	0.932	-107.584	126.874	49.766	51	no	no
N.min	0.932	-107.408	127.050	49.942	41	no	no
N.min	0.931	-107.375	127.082	49.974	60	no	no
N.min	0.931	-107.321	127.136	50.028	49	no	no
N.min	0.931	-107.117	127.340	50.233	54	no	no
N.min	0.931	-107.114	127.344	50.236	55	no	no
N.min	0.931	-107.097	127.361	50.253	47	no	no
N.min	0.931	-107.079	127.379	50.271	52	no	no
N.min	0.931	-107.046	127.412	50.304	56	no	no
N.min	0.931	-106.995	127.463	50.355	54	no	no
N.min	0.931	-106.978	127.480	50.372	56	no	no
	0.931	-106.937	127.521	50.413	56	no	no
N.min	0.931	-106.834	127.623	50.516	49	no	no
N.min	0.931	-106.769	127.689	50.581	57	no	no
	0.931	-106.753	127.705	50.597	57	no	no
N.min	0.931	-106.696	127.762	50.654	56	no	no
	0.931	-106.642	127.816	50.708	47	no	no
N.min	0.930	-106.492	127.965	50.857	47	no	no
N.min	0.930	-106.458	128.000	50.892	46	no	no
N.min	0.930	-106.443	128.015	50.907	56	no	no

N.min	0.930	-106.422	128.036	50.928	48	no	no
N.min	0.930	-106.421	128.037	50.929	48	no	no
N.min	0.930	-106.410	128.048	50.940	51	no	no
N.min	0.930	-106.240	128.217	51.110	60	no	no
	0.930	-106.219	128.239	51.131	60	no	no
N.min	0.930	-105.965	128.492	51.385	50	no	no
	0.930	-105.963	128.495	51.387	54	no	no
N.min	0.930	-105.960	128.497	51.390	61	no	no
N.min	0.930	-105.952	128.506	51.398	51	no	no
N.min	0.930	-105.900	128.558	51.450	53	no	no
N.min	0.930	-105.829	128.628	51.521	55	no	no
N.min	0.930	-105.808	128.650	51.542	54	no	no
	0.929	-105.779	128.679	51.571	54	no	no
N.min	0.929	-105.686	128.772	51.664	63	no	no
N.min	0.929	-105.668	128.789	51.681	50	no	no
N.min	0.929	-105.652	128.806	51.698	56	no	no
N.min	0.929	-105.644	128.813	51.705	52	no	no
N.min	0.929	-105.620	128.837	51.730	51	no	no
N.min	0.929	-105.602	128.855	51.748	55	no	no
N.min	0.929	-105.550	128.908	51.800	53	no	no
	0.929	-105.467	128.990	51.883	53	no	no
N.min	0.929	-105.414	129.044	51.936	49	no	no
N.min	0.929	-105.384	129.073	51.965	53	no	no
N.min	0.929	-105.241	129.217	52.109	61	no	no
N.min	0.929	-105.233	129.225	52.117	46	no	no
N.min	0.929	-105.217	129.241	52.133	48	no	no
	0.929	-105.165	129.293	52.185	51	no	no
N.min	0.929	-105.163	129.295	52.187	61	no	no
N.min	0.929	-105.120	129.338	52.230	55	no	no
	0.929	-105.117	129.341	52.233	52	no	no
N.min	0.928	-104.930	129.528	52.420	47	no	no
	0.928	-104.908	129.549	52.442	54	no	no
N.min	0.928	-104.904	129.553	52.446	48	no	no
N.min	0.928	-104.737	129.720	52.613	49	no	no
N.min	0.928	-104.735	129.723	52.615	51	no	no
N.min	0.928	-104.730	129.728	52.620	56	no	no
N.min	0.928	-104.709	129.749	52.641	57	no	no
N.min	0.928	-104.409	130.049	52.941	51	no	no
	0.928	-104.327	130.131	53.023	57	no	no
N.min	0.927	-104.060	130.398	53.290	63	no	no
	0.927	-103.878	130.580	53.472	52	no	no
N.min	0.927	-103.859	130.599	53.491	42	no	no
N.min	0.927	-103.788	130.670	53.562	53	no	no
	0.927	-103.714	130.743	53.635	58	no	no
	0.927	-103.616	130.841	53.734	53	no	no
N.min	0.926	-103.457	131.000	53.892	50	no	no
	0.926	-103.420	131.038	53.930	53	no	no
	0.926	-103.417	131.040	53.932	54	no	no
	0.926	-103.311	131.147	54.039	53	no	no
N.min	0.926	-103.305	131.153	54.045	48	no	no
N.min	0.926	-103.294	131.163	54.055	58	no	no
N.min	0.926	-103.266	131.192	54.084	55	no	no
N.min	0.926	-103.045	131.412	54.305	50	no	no
	0.926	-102.983	131.475	54.367	60	no	no
N.min	0.926	-102.930	131.527	54.420	49	no	no
	0.925	-102.640	131.818	54.710	58	no	no
N.min	0.925	-102.616	131.842	54.734	57	no	no
	0.925	-102.451	132.007	54.899	60	no	no
N.min	0.925	-102.451	132.007	54.899	55	no	no
N.min	0.925	-102.315	132.143	55.035	58	no	no
N.min	0.925	-102.133	132.324	55.217	49	no	no
N.min	0.925	-102.096	132.361	55.254	52	no	no
	0.925	-102.083	132.375	55.267	53	no	no

	0.924	-101.899	132.559	55.451	60	no	no
N.min	0.924	-101.829	132.628	55.521	62	no	no
	0.924	-101.787	132.671	55.563	54	no	no
	0.924	-101.648	132.810	55.702	54	no	no
N.min	0.924	-101.641	132.817	55.709	42	no	no
	0.924	-101.614	132.844	55.736	49	no	no
N.min	0.924	-101.555	132.903	55.795	49	no	no
	0.924	-101.503	132.955	55.847	57	no	no
	0.924	-101.486	132.972	55.864	58	no	no
N.min	0.924	-101.460	132.998	55.890	55	no	no
	0.924	-101.414	133.044	55.936	53	no	no
N.min	0.924	-101.356	133.101	55.994	48	no	no
	0.924	-101.352	133.105	55.998	66	no	no
N.min	0.923	-101.127	133.331	56.223	48	no	no
N.min	0.923	-101.085	133.373	56.265	54	no	no
	0.923	-101.069	133.389	56.281	56	no	no
N.min	0.923	-101.035	133.423	56.315	57	no	no
N.min	0.923	-100.959	133.499	56.391	54	no	no
N.min	0.923	-100.932	133.525	56.418	52	no	no
N.min	0.923	-100.923	133.535	56.427	57	no	no
N.min	0.923	-100.886	133.572	56.464	43	no	no
N.min	0.923	-100.867	133.591	56.483	48	no	no
N.min	0.923	-100.861	133.597	56.489	60	no	no
N.min	0.923	-100.853	133.605	56.497	41	no	no
	0.923	-100.774	133.684	56.576	54	no	no
	0.923	-100.716	133.742	56.634	53	no	no
N.min	0.923	-100.676	133.782	56.674	53	no	no
	0.923	-100.621	133.837	56.729	52	no	no
N.min	0.922	-100.458	133.999	56.891	55	no	no
N.min	0.922	-100.416	134.042	56.934	49	no	no
N.min	0.922	-100.383	134.075	56.967	48	no	no
N.min	0.922	-100.358	134.100	56.992	56	no	no
	0.922	-100.333	134.125	57.017	53	no	no
	0.922	-100.231	134.227	57.119	54	no	no
N.min	0.922	-100.127	134.331	57.223	47	no	no
N.min	0.922	-99.896	134.561	57.454	56	no	no
N.min	0.921	-99.860	134.598	57.490	53	no	no
N.min	0.921	-99.758	134.699	57.592	54	no	no
N.min	0.921	-99.457	135.000	57.893	56	no	no
N.min	0.921	-99.429	135.028	57.921	55	no	no
N.min	0.920	-99.078	135.380	58.272	55	no	no
	0.920	-98.932	135.525	58.418	58	no	no
N.min	0.920	-98.872	135.586	58.478	55	no	no
	0.920	-98.838	135.620	58.512	45	no	no
	0.920	-98.819	135.638	58.531	49	no	no
N.min	0.920	-98.736	135.722	58.614	61	no	no
	0.920	-98.542	135.916	58.808	51	no	no
N.min	0.920	-98.539	135.919	58.811	54	no	no
	0.920	-98.502	135.956	58.848	55	no	no
N.min	0.919	-98.424	136.034	58.926	57	no	no
N.min	0.919	-98.423	136.035	58.927	47	no	no
	0.919	-98.380	136.078	58.970	59	no	no
N.min	0.919	-98.366	136.092	58.984	50	no	no
N.min	0.919	-98.222	136.236	59.128	49	no	no
	0.919	-98.175	136.282	59.175	53	no	no
N.min	0.919	-97.876	136.582	59.474	44	no	no
N.min	0.918	-97.798	136.659	59.552	47	no	no
N.min	0.918	-97.543	136.915	59.807	60	no	no
	0.918	-97.471	136.986	59.879	53	no	no
N.min	0.918	-97.453	137.005	59.897	52	no	no
N.min	0.918	-97.420	137.038	59.930	51	no	no
	0.918	-97.364	137.093	59.985	46	no	no
N.min	0.918	-97.300	137.158	60.050	51	no	no

N.min	0.917	-97.084	137.374	60.266	54	no	no
N.min	0.917	-97.081	137.377	60.269	56	no	no
	0.917	-97.063	137.395	60.287	58	no	no
N.min	0.917	-97.058	137.399	60.292	51	no	no
N.min	0.917	-96.957	137.501	60.393	62	no	no
	0.917	-96.905	137.553	60.445	57	no	no
	0.917	-96.860	137.598	60.490	55	no	no
	0.917	-96.857	137.601	60.493	56	no	no
N.min	0.917	-96.842	137.616	60.508	56	no	no
	0.917	-96.758	137.700	60.592	54	no	no
N.min	0.917	-96.755	137.702	60.595	56	no	no
N.min	0.917	-96.751	137.707	60.599	53	no	no
N.min	0.917	-96.622	137.836	60.728	56	no	no
	0.917	-96.618	137.840	60.732	45	no	no
N.min	0.917	-96.604	137.854	60.746	49	no	no
N.min	0.916	-96.415	138.043	60.935	57	no	no
N.min	0.916	-96.389	138.069	60.961	53	no	no
N.min	0.916	-96.298	138.159	61.052	50	no	no
	0.916	-96.218	138.240	61.132	54	no	no
N.min	0.916	-96.163	138.295	61.187	55	no	no
N.min	0.916	-96.158	138.300	61.192	62	no	no
N.min	0.916	-96.054	138.404	61.296	61	no	no
N.min	0.916	-96.021	138.437	61.329	52	no	no
	0.915	-95.789	138.669	61.561	44	no	no
N.min	0.915	-95.773	138.684	61.577	54	no	no
	0.915	-95.558	138.900	61.792	52	no	no
	0.915	-95.507	138.951	61.843	59	no	no
	0.915	-95.430	139.028	61.920	54	no	no
	0.915	-95.303	139.154	62.047	57	no	no
N.min	0.914	-95.077	139.381	62.273	62	no	no
N.min	0.914	-94.976	139.482	62.374	42	no	no
	0.914	-94.931	139.527	62.419	52	no	no
	0.914	-94.850	139.608	62.500	58	no	no
N.min	0.914	-94.844	139.614	62.506	57	no	no
N.min	0.914	-94.832	139.625	62.517	43	no	no
	0.914	-94.828	139.630	62.522	56	no	no
N.min	0.914	-94.744	139.714	62.606	50	no	no
N.min	0.914	-94.701	139.757	62.649	41	no	no
	0.914	-94.675	139.783	62.675	53	no	no
N.min	0.914	-94.575	139.883	62.775	57	no	no
N.min	0.913	-94.295	140.162	63.055	56	no	no
N.min	0.913	-94.280	140.178	63.070	53	no	no
N.min	0.913	-94.260	140.198	63.090	51	no	no
	0.913	-94.094	140.364	63.256	65	no	no
N.min	0.913	-94.053	140.405	63.297	56	no	no
N.min	0.913	-93.991	140.466	63.359	50	no	no
	0.912	-93.881	140.577	63.469	58	no	no
N.min	0.912	-93.843	140.615	63.507	63	no	no
	0.912	-93.805	140.653	63.545	59	no	no
N.min	0.912	-93.773	140.685	63.577	49	no	no
N.min	0.912	-93.594	140.863	63.756	48	no	no
N.min	0.912	-93.506	140.952	63.844	42	no	no
	0.912	-93.497	140.961	63.853	57	no	no
	0.912	-93.453	141.005	63.897	54	no	no
	0.912	-93.444	141.013	63.906	58	no	no
N.min	0.912	-93.334	141.123	64.016	55	no	no
	0.912	-93.319	141.139	64.031	47	no	no
	0.912	-93.317	141.141	64.033	56	no	no
N.min	0.912	-93.293	141.165	64.057	47	no	no
	0.911	-93.251	141.207	64.099	58	no	no
N.min	0.911	-93.248	141.210	64.102	62	no	no
N.min	0.911	-93.231	141.227	64.119	56	no	no
	0.911	-93.161	141.296	64.189	61	no	no

	0.911	-93.109	141.349	64.241	61	no	no
N.min	0.911	-93.081	141.376	64.269	54	no	no
	0.911	-92.837	141.621	64.513	59	no	no
	0.911	-92.705	141.753	64.645	66	no	no
N.min	0.910	-92.614	141.844	64.736	52	no	no
	0.910	-92.548	141.910	64.802	46	no	no
N.min	0.910	-92.468	141.990	64.882	54	no	no
N.min	0.910	-92.212	142.246	65.138	53	no	no
	0.910	-92.209	142.248	65.141	55	no	no
N.min	0.910	-92.135	142.323	65.215	59	no	no
N.min	0.909	-91.994	142.464	65.356	54	no	no
N.min	0.909	-91.983	142.475	65.367	51	no	no
N.min	0.909	-91.944	142.514	65.406	48	no	no
	0.909	-91.832	142.625	65.518	53	no	no
N.min	0.909	-91.706	142.752	65.644	51	no	no
N.min	0.909	-91.637	142.821	65.713	44	no	no
N.min	0.909	-91.635	142.822	65.715	54	no	no
N.min	0.909	-91.479	142.979	65.871	56	no	no
	0.908	-91.333	143.124	66.017	49	no	no
N.min	0.908	-91.329	143.129	66.021	48	no	no
	0.908	-91.219	143.239	66.131	46	no	no
N.min	0.908	-91.208	143.250	66.142	48	no	no
N.min	0.908	-91.181	143.277	66.169	51	no	no
N.min	0.908	-90.904	143.554	66.446	51	no	no
N.min	0.907	-90.746	143.712	66.604	60	no	no
N.min	0.907	-90.637	143.820	66.713	49	no	no
N.min	0.907	-90.543	143.915	66.807	53	no	no
	0.907	-90.454	144.004	66.896	54	no	no
	0.907	-90.439	144.018	66.910	55	no	no
N.min	0.907	-90.342	144.116	67.008	57	no	no
N.min	0.907	-90.314	144.144	67.036	43	no	no
	0.907	-90.267	144.191	67.083	55	no	no
N.min	0.906	-90.247	144.210	67.102	55	no	no
	0.906	-90.220	144.238	67.130	61	no	no
N.min	0.906	-90.214	144.244	67.136	53	no	no
N.min	0.906	-89.975	144.483	67.375	61	no	no
	0.906	-89.871	144.587	67.479	52	no	no
	0.906	-89.860	144.598	67.490	59	no	no
	0.906	-89.803	144.655	67.547	59	no	no
	0.905	-89.674	144.784	67.676	59	no	no
N.min	0.905	-89.631	144.827	67.719	51	no	no
N.min	0.905	-89.580	144.877	67.770	53	no	no
N.min	0.905	-89.528	144.930	67.822	49	no	no
N.min	0.905	-89.328	145.129	68.022	55	no	no
N.min	0.905	-89.272	145.186	68.078	56	no	no
	0.905	-89.228	145.230	68.122	48	no	no
N.min	0.905	-89.144	145.314	68.206	59	no	no
N.min	0.905	-89.118	145.340	68.232	59	no	no
N.min	0.904	-89.063	145.394	68.287	59	no	no
N.min	0.904	-88.940	145.518	68.410	51	no	no
N.min	0.904	-88.728	145.730	68.622	63	no	no
N.min	0.904	-88.618	145.840	68.732	45	no	no
N.min	0.904	-88.549	145.908	68.800	46	no	no
	0.903	-88.415	146.043	68.935	51	no	no
N.min	0.903	-88.299	146.159	69.051	42	no	no
N.min	0.903	-88.264	146.193	69.086	49	no	no
N.min	0.903	-88.219	146.239	69.131	56	no	no
N.min	0.903	-88.213	146.245	69.137	48	no	no
N.min	0.903	-88.206	146.252	69.144	48	no	no
N.min	0.903	-88.101	146.357	69.249	47	no	no
N.min	0.903	-88.061	146.396	69.289	61	no	no
N.min	0.903	-88.015	146.443	69.335	50	no	no
N.min	0.903	-87.964	146.494	69.386	58	no	no



N.min	0.902	-87.905	146.553	69.445	52	no	no
N.min	0.902	-87.834	146.624	69.516	61	no	no
N.min	0.902	-87.819	146.639	69.531	55	no	no
N.min	0.902	-87.813	146.644	69.537	52	no	no
N.min	0.902	-87.792	146.665	69.558	48	no	no
N.min	0.902	-87.598	146.860	69.752	55	no	no
N.min	0.902	-87.583	146.874	69.767	60	no	no
N.min	0.902	-87.540	146.917	69.810	49	no	no
N.min	0.902	-87.490	146.967	69.860	47	no	no
N.min	0.902	-87.486	146.972	69.864	50	no	no
N.min	0.902	-87.465	146.992	69.884	55	no	no
	0.901	-87.207	147.250	70.143	53	no	no
N.min	0.901	-87.189	147.269	70.161	62	no	no
N.min	0.901	-87.182	147.275	70.168	51	no	no
	0.901	-87.073	147.385	70.277	50	no	no
N.min	0.901	-87.039	147.419	70.311	57	no	no
	0.901	-87.022	147.436	70.328	64	no	no
N.min	0.901	-86.966	147.492	70.384	60	no	no
N.min	0.901	-86.959	147.499	70.391	53	no	no
N.min	0.901	-86.951	147.507	70.399	51	no	no
N.min	0.900	-86.743	147.715	70.607	56	no	no
N.min	0.900	-86.720	147.737	70.630	51	no	no
N.min	0.900	-86.317	148.140	71.033	41	no	no
N.min	0.899	-86.246	148.211	71.104	48	no	no
N.min	0.899	-86.218	148.240	71.132	56	no	no
N.min	0.899	-86.006	148.452	71.344	54	no	no
	0.899	-85.925	148.532	71.425	59	no	no
N.min	0.899	-85.845	148.613	71.505	50	no	no
N.min	0.898	-85.514	148.944	71.836	49	no	no
N.min	0.898	-85.498	148.960	71.852	56	no	no
N.min	0.898	-85.358	149.099	71.991	54	no	no
	0.898	-85.240	149.217	72.110	54	no	no
N.min	0.897	-85.065	149.393	72.285	46	no	no
N.min	0.897	-84.992	149.465	72.358	49	no	no
	0.897	-84.690	149.768	72.660	46	no	no
	0.896	-84.530	149.928	72.820	60	no	no
N.min	0.896	-84.428	150.030	72.922	56	no	no
N.min	0.896	-84.386	150.072	72.964	49	no	no
N.min	0.896	-84.363	150.095	72.987	54	no	no
N.min	0.896	-84.354	150.104	72.996	58	no	no
N.min	0.896	-84.299	150.158	73.051	50	no	no
N.min	0.895	-83.870	150.588	73.480	50	no	no
	0.895	-83.833	150.625	73.517	59	no	no
N.min	0.895	-83.748	150.710	73.602	49	no	no
N.min	0.895	-83.657	150.801	73.693	57	no	no
N.min	0.895	-83.654	150.804	73.696	55	no	no
	0.894	-83.612	150.846	73.738	56	no	no
N.min	0.894	-83.514	150.943	73.835	49	no	no
N.min	0.894	-83.478	150.980	73.872	57	no	no
N.min	0.894	-83.409	151.048	73.940	43	no	no
	0.894	-83.380	151.078	73.970	51	no	no
N.min	0.894	-83.318	151.140	74.032	56	no	no
N.min	0.894	-83.184	151.274	74.166	63	no	no
N.min	0.893	-83.028	151.430	74.322	63	no	no
N.min	0.893	-82.875	151.582	74.475	60	no	no
N.min	0.893	-82.770	151.688	74.580	42	no	no
N.min	0.893	-82.714	151.744	74.636	46	no	no
N.min	0.892	-82.589	151.868	74.761	58	no	no
N.min	0.892	-82.336	152.122	75.014	57	no	no
N.min	0.892	-82.319	152.139	75.031	47	no	no
	0.892	-82.289	152.168	75.061	53	no	no
N.min	0.892	-82.246	152.212	75.104	49	no	no
N.min	0.891	-81.990	152.468	75.360	63	no	no

N.min	0.891	-81.974	152.484	75.376	62	no	no
N.min	0.891	-81.772	152.685	75.578	62	no	no
N.min	0.891	-81.716	152.742	75.634	58	no	no
N.min	0.891	-81.597	152.861	75.753	56	no	no
	0.890	-81.456	153.002	75.894	47	no	no
N.min	0.890	-81.372	153.086	75.978	61	no	no
N.min	0.890	-81.365	153.093	75.985	60	no	no
N.min	0.890	-81.207	153.251	76.143	61	no	no
	0.889	-81.030	153.428	76.320	58	no	no
	0.889	-81.002	153.456	76.348	60	no	no
N.min	0.889	-80.960	153.497	76.389	58	no	no
N.min	0.889	-80.910	153.548	76.440	50	no	no
	0.889	-80.847	153.611	76.503	49	no	no
N.min	0.889	-80.741	153.717	76.609	59	no	no
N.min	0.889	-80.662	153.796	76.688	50	no	no
N.min	0.889	-80.612	153.845	76.737	55	no	no
N.min	0.888	-80.543	153.915	76.807	54	no	no
N.min	0.888	-80.201	154.256	77.149	57	no	no
N.min	0.887	-79.999	154.458	77.350	54	no	no
N.min	0.887	-79.840	154.618	77.510	59	no	no
N.min	0.887	-79.817	154.641	77.533	57	no	no
N.min	0.887	-79.768	154.689	77.582	68	no	no
N.min	0.887	-79.695	154.763	77.655	58	no	no
N.min	0.887	-79.682	154.775	77.668	60	no	no
N.min	0.886	-79.226	155.231	78.124	57	no	no
N.min	0.886	-79.218	155.240	78.132	56	no	no
N.min	0.885	-78.880	155.578	78.470	44	no	no
N.min	0.884	-78.621	155.837	78.729	56	no	no
N.min	0.884	-78.553	155.905	78.797	55	no	no
N.min	0.884	-78.372	156.086	78.978	48	no	no
	0.884	-78.261	156.196	79.089	52	no	no
N.min	0.884	-78.231	156.227	79.119	55	no	no
N.min	0.884	-78.183	156.275	79.167	58	no	no
	0.883	-77.991	156.467	79.359	56	no	no
N.min	0.883	-77.905	156.553	79.445	57	no	no
N.min	0.883	-77.864	156.594	79.486	56	no	no
N.min	0.882	-77.581	156.877	79.769	63	no	no
N.min	0.882	-77.334	157.124	80.016	58	no	no
	0.882	-77.275	157.183	80.075	55	no	no
N.min	0.881	-77.131	157.327	80.219	57	no	no
N.min	0.881	-76.858	157.600	80.492	59	no	no
N.min	0.880	-76.665	157.793	80.685	51	no	no
N.min	0.880	-76.637	157.821	80.713	50	no	no
N.min	0.880	-76.437	158.021	80.913	55	no	no
N.min	0.880	-76.409	158.049	80.941	50	no	no
N.min	0.879	-76.098	158.360	81.252	51	no	no
N.min	0.879	-75.950	158.508	81.400	61	no	no
N.min	0.879	-75.888	158.570	81.462	64	no	no
N.min	0.878	-75.690	158.767	81.660	48	no	no
	0.878	-75.585	158.873	81.765	53	no	no
	0.878	-75.563	158.895	81.787	55	no	no
N.min	0.877	-75.399	159.059	81.951	57	no	no
N.min	0.877	-75.298	159.160	82.052	57	no	no
N.min	0.877	-75.012	159.446	82.338	61	no	no
N.min	0.876	-74.878	159.580	82.472	57	no	no
N.min	0.876	-74.792	159.666	82.558	50	no	no
	0.876	-74.733	159.724	82.617	62	no	no
N.min	0.876	-74.726	159.732	82.624	56	no	no
N.min	0.875	-74.478	159.979	82.871	55	no	no
N.min	0.875	-74.299	160.159	83.051	68	no	no
N.min	0.875	-74.194	160.264	83.156	55	no	no
N.min	0.875	-74.180	160.278	83.170	46	no	no
N.min	0.875	-74.158	160.299	83.191	61	no	no

N.min	0.875	-74.134	160.323	83.216	51	no	no
	0.875	-74.127	160.331	83.223	54	no	no
N.min	0.874	-74.033	160.424	83.317	51	no	no
N.min	0.874	-74.024	160.434	83.326	50	no	no
N.min	0.874	-73.885	160.572	83.464	60	no	no
N.min	0.874	-73.829	160.629	83.521	54	no	no
	0.873	-73.527	160.931	83.823	56	no	no
N.min	0.873	-73.490	160.968	83.860	64	no	no
N.min	0.873	-73.432	161.026	83.918	58	no	no
N.min	0.873	-73.410	161.047	83.940	62	no	no
N.min	0.873	-73.294	161.163	84.056	55	no	no
N.min	0.872	-73.140	161.317	84.210	49	no	no
N.min	0.872	-72.928	161.530	84.422	68	no	no
N.min	0.872	-72.923	161.535	84.427	54	no	no
	0.872	-72.882	161.576	84.468	47	no	no
	0.871	-72.660	161.798	84.690	61	no	no
N.min	0.871	-72.353	162.105	84.997	59	no	no
N.min	0.870	-71.980	162.477	85.370	58	no	no
	0.869	-71.566	162.891	85.784	60	no	no
N.min	0.868	-71.413	163.045	85.937	54	no	no
	0.868	-71.361	163.097	85.989	51	no	no
N.min	0.868	-71.296	163.161	86.053	48	no	no
	0.867	-71.052	163.405	86.297	60	no	no
	0.867	-70.924	163.534	86.426	51	no	no
N.min	0.867	-70.895	163.563	86.455	49	no	no
N.min	0.867	-70.722	163.736	86.628	55	no	no
N.min	0.866	-70.665	163.793	86.685	58	no	no
	0.866	-70.458	164.000	86.892	59	no	no
	0.865	-70.185	164.273	87.165	57	no	no
	0.865	-70.183	164.275	87.167	51	no	no
N.min	0.864	-69.828	164.629	87.522	53	no	no
N.min	0.864	-69.761	164.697	87.589	57	no	no
N.min	0.864	-69.690	164.768	87.660	48	no	no
N.min	0.863	-69.395	165.063	87.955	61	no	no
N.min	0.863	-69.352	165.106	87.998	52	no	no
	0.863	-69.167	165.290	88.183	59	no	no
	0.863	-69.096	165.362	88.254	60	no	no
N.min	0.862	-68.853	165.605	88.497	44	no	no
	0.861	-68.384	166.074	88.966	58	no	no
N.min	0.859	-67.807	166.651	89.543	64	no	no
N.min	0.859	-67.661	166.797	89.689	56	no	no
N.min	0.859	-67.549	166.909	89.801	53	no	no
	0.858	-67.295	167.163	90.055	63	no	no
	0.858	-67.115	167.343	90.235	64	no	no
N.min	0.857	-66.923	167.535	90.427	63	no	no
	0.857	-66.880	167.578	90.470	65	no	no
N.min	0.856	-66.534	167.924	90.816	67	no	no
N.min	0.856	-66.532	167.925	90.818	51	no	no
N.min	0.856	-66.478	167.980	90.872	44	no	no
N.min	0.855	-66.095	168.362	91.255	43	no	no
	0.855	-66.084	168.374	91.266	52	no	no
N.min	0.854	-65.864	168.594	91.486	62	no	no
	0.853	-65.438	169.020	91.912	56	no	no
	0.852	-65.013	169.445	92.337	64	no	no
N.min	0.848	-63.624	170.834	93.726	60	no	no
N.min	0.847	-63.115	171.343	94.235	59	no	no
N.min	0.847	-63.010	171.448	94.340	53	no	no
N.min	0.846	-62.779	171.679	94.571	55	no	no
	0.845	-62.507	171.951	94.843	60	no	no
N.min	0.845	-62.473	171.984	94.876	63	no	no
N.min	0.844	-62.106	172.352	95.244	62	no	no
	0.842	-61.572	172.886	95.778	58	no	no
N.min	0.842	-61.467	172.991	95.883	62	no	no

	0.838	-60.178	174.280	97.172	58	no	no
N.min	0.837	-59.755	174.703	97.595	53	no	no
N.min	0.835	-59.065	175.393	98.285	56	no	no
N.min	0.833	-58.451	176.006	98.899	55	no	no
N.min	0.833	-58.426	176.032	98.924	52	no	no
N.min	0.833	-58.360	176.098	98.990	58	no	no
N.min	0.830	-57.372	177.086	99.978	62	no	no
N.min	0.829	-56.970	177.487	100.380	66	no	no
	0.826	-56.066	178.392	101.284	66	no	no
N.min	0.826	-56.063	178.395	101.287	63	no	no
N.min	0.825	-55.657	178.801	101.693	61	no	no
N.min	0.823	-55.122	179.336	102.228	49	no	no
N.min	0.820	-54.318	180.140	103.032	55	no	no
N.min	0.820	-54.206	180.251	103.144	57	no	no
N.min	0.819	-54.028	180.429	103.321	53	no	no
	0.816	-52.983	181.475	104.367	65	no	no
	0.815	-52.768	181.690	104.582	61	no	no
N.min	0.814	-52.474	181.984	104.876	56	no	no
N.min	0.794	-46.922	187.535	110.428	62	no	no
N.min	0.771	-41.073	193.385	116.277	58	no	no
N.min	0.766	-39.787	194.671	117.563	57	no	no
	0.725	-30.926	203.532	126.424	60	no	no
N.min	0.963	-145.457	89.001	-	44	yes	no
	0.963	-145.435	89.022	0.022	42	yes	no
N.min	0.961	-141.764	92.693	3.693	37	no	no
	0.959	-139.181	95.277	6.276	40	no	no
N.min	0.958	-138.698	95.760	6.759	46	no	no
N.min	0.958	-137.970	96.488	7.487	45	no	no
	0.956	-136.042	98.415	9.415	49	no	no
	0.956	-135.863	98.595	9.594	49	no	no
N.min	0.956	-135.709	98.749	9.748	39	no	no
N.min	0.956	-135.184	99.273	10.273	46	no	no
	0.955	-134.618	99.840	10.839	42	no	no
	0.954	-133.116	101.342	12.341	35	no	no
	0.953	-132.665	101.793	12.792	42	no	no
	0.952	-131.442	103.016	14.015	42	no	no
	0.952	-131.247	103.211	14.210	41	no	no
	0.952	-130.742	103.716	14.715	50	no	no
	0.952	-130.520	103.937	14.937	44	no	no
	0.951	-130.328	104.130	15.129	48	no	no
	0.950	-128.587	105.871	16.870	51	no	no
N.min	0.948	-126.904	107.554	18.553	44	no	no
	0.948	-126.740	107.717	18.717	42	no	no
	0.948	-126.370	108.087	19.087	43	no	no
	0.948	-126.323	108.135	19.134	44	no	no
	0.947	-125.843	108.615	19.614	50	no	no
N.min	0.947	-125.785	108.673	19.672	39	no	no
	0.947	-125.509	108.948	19.948	42	no	no
	0.947	-125.129	109.329	20.328	42	no	no
N.min	0.945	-123.546	110.911	21.911	44	no	no
N.min	0.945	-123.467	110.991	21.990	37	no	no
	0.945	-123.162	111.296	22.295	42	no	no
	0.944	-122.647	111.811	22.810	37	no	no
N.min	0.943	-121.925	112.533	23.532	39	no	no
N.min	0.943	-121.631	112.827	23.826	46	no	no
N.min	0.943	-121.049	113.408	24.408	40	no	no
	0.942	-120.918	113.540	24.539	43	no	no
	0.942	-120.755	113.702	24.702	43	no	no
N.min	0.941	-119.816	114.642	25.641	38	no	no
	0.940	-119.114	115.344	26.343	37	no	no
	0.940	-119.067	115.391	26.390	38	no	no
N.min	0.940	-118.872	115.586	26.585	39	no	no
N.min	0.940	-118.755	115.702	26.702	40	no	no

	0.940	-118.674	115.784	26.783	42	no	no
N.min	0.939	-117.792	116.666	27.665	39	no	no
N.min	0.939	-117.789	116.669	27.668	40	no	no
N.min	0.939	-117.783	116.675	27.674	44	no	no
N.min	0.939	-117.642	116.816	27.815	46	no	no
N.min	0.938	-116.908	117.550	28.549	37	no	no
N.min	0.938	-116.812	117.646	28.645	45	no	no
N.min	0.938	-116.763	117.695	28.694	47	no	no
	0.938	-116.680	117.778	28.777	35	no	no
	0.938	-116.535	117.923	28.922	43	no	no
	0.938	-116.499	117.959	28.958	44	no	no
N.min	0.937	-116.389	118.069	29.068	40	no	no
N.min	0.937	-116.307	118.151	29.150	37	no	no
N.min	0.937	-116.028	118.430	29.429	45	no	no
N.min	0.937	-115.978	118.480	29.479	47	no	no
	0.937	-115.848	118.610	29.609	44	no	no
N.min	0.937	-115.756	118.702	29.701	40	no	no
	0.936	-115.521	118.937	29.936	42	no	no
	0.936	-115.290	119.168	30.167	49	no	no
N.min	0.936	-115.115	119.342	30.342	45	no	no
N.min	0.936	-115.053	119.404	30.404	45	no	no
N.min	0.936	-114.957	119.500	30.500	46	no	no
N.min	0.935	-114.574	119.883	30.883	44	no	no
	0.935	-114.382	120.076	31.075	38	no	no
	0.935	-114.346	120.112	31.111	40	no	no
N.min	0.935	-114.172	120.286	31.285	44	no	no
N.min	0.935	-113.998	120.460	31.459	46	no	no
	0.934	-113.820	120.637	31.637	50	no	no
N.min	0.934	-113.812	120.646	31.645	45	no	no
	0.934	-113.371	121.087	32.086	45	no	no
N.min	0.934	-113.123	121.335	32.334	46	no	no
N.min	0.934	-113.024	121.434	32.433	40	no	no
N.min	0.933	-112.764	121.694	32.693	45	no	no
	0.933	-112.723	121.735	32.734	43	no	no
	0.933	-112.637	121.821	32.820	41	no	no
	0.933	-112.634	121.824	32.823	51	no	no
N.min	0.933	-112.554	121.904	32.903	44	no	no
N.min	0.933	-112.541	121.917	32.916	46	no	no
	0.933	-112.470	121.988	32.987	44	no	no
N.min	0.933	-112.458	122.000	32.999	45	no	no
N.min	0.933	-112.270	122.187	33.187	45	no	no
N.min	0.933	-112.196	122.262	33.261	45	no	no
	0.932	-112.035	122.423	33.422	43	no	no
	0.932	-111.995	122.463	33.462	38	no	no
N.min	0.932	-111.971	122.487	33.486	35	no	no
N.min	0.932	-111.952	122.506	33.505	53	no	no
	0.932	-111.811	122.647	33.646	42	no	no
N.min	0.932	-111.808	122.649	33.649	46	no	no
N.min	0.932	-111.742	122.716	33.715	41	no	no
N.min	0.932	-111.723	122.734	33.734	41	no	no
	0.932	-111.553	122.904	33.903	42	no	no
N.min	0.931	-111.384	123.074	34.073	46	no	no
N.min	0.931	-111.344	123.114	34.113	44	no	no
	0.931	-111.265	123.193	34.192	44	no	no
N.min	0.931	-111.224	123.234	34.233	46	no	no
N.min	0.931	-111.206	123.252	34.251	40	no	no
N.min	0.931	-111.200	123.257	34.257	40	no	no
	0.931	-111.151	123.307	34.306	49	no	no
	0.931	-111.129	123.329	34.328	42	no	no
N.min	0.931	-110.776	123.682	34.681	47	no	no
	0.931	-110.710	123.747	34.747	47	no	no
N.min	0.930	-110.480	123.977	34.977	53	no	no
	0.930	-110.399	124.059	35.058	43	no	no

N.min	0.930	-110.217	124.241	35.240	37	no	no
N.min	0.930	-110.080	124.378	35.377	52	no	no
	0.930	-110.075	124.382	35.382	49	no	no
	0.930	-109.960	124.498	35.497	41	no	no
	0.930	-109.954	124.503	35.503	37	no	no
N.min	0.929	-109.711	124.747	35.746	48	no	no
N.min	0.929	-109.684	124.774	35.773	35	no	no
N.min	0.929	-109.535	124.923	35.922	42	no	no
N.min	0.929	-109.508	124.950	35.949	46	no	no
	0.929	-109.490	124.968	35.967	45	no	no
N.min	0.929	-109.412	125.046	36.045	38	no	no
N.min	0.929	-109.407	125.051	36.050	51	no	no
	0.929	-109.250	125.207	36.207	51	no	no
	0.928	-109.011	125.446	36.446	41	no	no
N.min	0.928	-108.987	125.470	36.470	45	no	no
N.min	0.928	-108.969	125.488	36.488	47	no	no
N.min	0.928	-108.964	125.494	36.493	51	no	no
N.min	0.928	-108.953	125.504	36.504	47	no	no
N.min	0.928	-108.909	125.549	36.548	44	no	no
	0.928	-108.785	125.673	36.672	50	no	no
	0.928	-108.716	125.742	36.741	49	no	no
N.min	0.928	-108.611	125.846	36.846	46	no	no
N.min	0.928	-108.592	125.866	36.865	53	no	no
N.min	0.928	-108.501	125.957	36.956	46	no	no
N.min	0.928	-108.493	125.965	36.964	45	no	no
N.min	0.928	-108.439	126.018	37.018	51	no	no
N.min	0.928	-108.284	126.173	37.173	44	no	no
	0.928	-108.266	126.192	37.191	43	no	no
N.min	0.927	-108.258	126.200	37.199	47	no	no
N.min	0.927	-108.000	126.458	37.457	41	no	no
N.min	0.927	-107.972	126.485	37.485	53	no	no
N.min	0.927	-107.935	126.523	37.522	43	no	no
	0.927	-107.916	126.542	37.541	52	no	no
N.min	0.927	-107.892	126.566	37.565	41	no	no
N.min	0.927	-107.799	126.659	37.658	37	no	no
	0.927	-107.555	126.903	37.902	43	no	no
N.min	0.926	-107.424	127.033	38.033	42	no	no
	0.926	-107.354	127.104	38.103	50	no	no
	0.926	-107.288	127.170	38.169	49	no	no
N.min	0.926	-107.233	127.224	38.224	46	no	no
N.min	0.926	-107.225	127.233	38.232	51	no	no
N.min	0.926	-107.182	127.275	38.275	45	no	no
	0.926	-107.168	127.290	38.289	44	no	no
	0.926	-107.137	127.321	38.320	48	no	no
N.min	0.926	-107.093	127.365	38.364	44	no	no
	0.926	-107.073	127.384	38.384	48	no	no
N.min	0.926	-107.001	127.456	38.456	48	no	no
	0.926	-106.991	127.466	38.466	50	no	no
	0.926	-106.987	127.471	38.470	50	no	no
	0.926	-106.979	127.479	38.478	45	no	no
N.min	0.926	-106.975	127.483	38.482	42	no	no
N.min	0.926	-106.964	127.493	38.493	46	no	no
	0.926	-106.909	127.549	38.548	48	no	no
N.min	0.926	-106.906	127.552	38.551	42	no	no
N.min	0.926	-106.866	127.592	38.591	51	no	no
	0.926	-106.803	127.655	38.654	42	no	no
N.min	0.925	-106.701	127.757	38.756	44	no	no
	0.925	-106.600	127.858	38.857	49	no	no
N.min	0.925	-106.480	127.978	38.977	47	no	no
N.min	0.925	-106.445	128.012	39.012	46	no	no
N.min	0.925	-106.385	128.073	39.072	47	no	no
	0.925	-106.347	128.110	39.110	41	no	no
	0.925	-106.282	128.176	39.175	43	no	no



	0.925	-106.170	128.288	39.287	48	no	no
	0.925	-106.104	128.354	39.353	49	no	no
	0.925	-106.081	128.376	39.376	44	no	no
N.min	0.924	-105.987	128.470	39.470	43	no	no
	0.924	-105.972	128.486	39.485	50	no	no
N.min	0.924	-105.961	128.497	39.496	47	no	no
N.min	0.924	-105.936	128.522	39.521	39	no	no
	0.924	-105.906	128.552	39.551	51	no	no
N.min	0.924	-105.849	128.609	39.608	43	no	no
N.min	0.924	-105.735	128.723	39.722	52	no	no
N.min	0.924	-105.714	128.744	39.743	42	no	no
N.min	0.924	-105.675	128.783	39.782	48	no	no
	0.924	-105.668	128.790	39.789	44	no	no
	0.924	-105.665	128.793	39.792	43	no	no
	0.924	-105.576	128.882	39.881	45	no	no
N.min	0.924	-105.562	128.896	39.895	39	no	no
	0.924	-105.459	128.999	39.998	44	no	no
	0.924	-105.403	129.055	40.054	39	no	no
N.min	0.924	-105.392	129.065	40.065	39	no	no
N.min	0.924	-105.377	129.081	40.080	52	no	no
N.min	0.924	-105.362	129.096	40.095	39	no	no
	0.923	-105.199	129.259	40.258	43	no	no
N.min	0.923	-105.197	129.261	40.260	45	no	no
N.min	0.923	-105.163	129.294	40.294	40	no	no
	0.923	-105.162	129.296	40.295	43	no	no
N.min	0.923	-105.115	129.343	40.342	46	no	no
N.min	0.923	-105.035	129.423	40.422	47	no	no
	0.923	-104.949	129.509	40.508	47	no	no
N.min	0.923	-104.921	129.537	40.536	42	no	no
N.min	0.923	-104.890	129.568	40.567	39	no	no
N.min	0.923	-104.876	129.582	40.581	33	no	no
	0.923	-104.872	129.586	40.585	51	no	no
N.min	0.923	-104.856	129.601	40.601	32	no	yes
N.min	0.923	-104.831	129.627	40.626	45	no	no
	0.923	-104.830	129.627	40.627	51	no	no
	0.923	-104.774	129.684	40.683	50	no	no
	0.923	-104.735	129.723	40.722	44	no	no
	0.923	-104.626	129.832	40.831	45	no	no
N.min	0.922	-104.538	129.920	40.919	45	no	no
N.min	0.922	-104.362	130.096	41.095	44	no	no
N.min	0.922	-104.322	130.135	41.135	39	no	no
	0.922	-104.203	130.254	41.254	44	no	no
	0.922	-104.177	130.281	41.280	49	no	no
	0.922	-104.094	130.364	41.363	44	no	no
	0.922	-104.038	130.420	41.419	40	no	no
N.min	0.922	-104.018	130.439	41.439	47	no	no
N.min	0.921	-103.870	130.588	41.587	54	no	no
	0.921	-103.861	130.597	41.596	44	no	no
N.min	0.921	-103.845	130.613	41.612	38	no	no
N.min	0.921	-103.628	130.830	41.829	47	no	no
N.min	0.921	-103.532	130.926	41.925	46	no	no
N.min	0.921	-103.517	130.941	41.940	40	no	no
N.min	0.921	-103.397	131.061	42.060	50	no	no
N.min	0.921	-103.344	131.114	42.113	52	no	no
N.min	0.921	-103.298	131.160	42.159	38	no	no
	0.921	-103.297	131.161	42.160	49	no	no
	0.921	-103.274	131.184	42.183	44	no	no
N.min	0.921	-103.217	131.241	42.240	46	no	no
N.min	0.920	-102.941	131.517	42.516	49	no	no
N.min	0.920	-102.874	131.584	42.583	52	no	no
	0.920	-102.868	131.589	42.589	49	no	no
	0.920	-102.862	131.596	42.595	44	no	no
	0.920	-102.786	131.672	42.671	44	no	no

N.min	0.920	-102.732	131.725	42.725	48	no	no
	0.920	-102.685	131.773	42.772	50	no	no
	0.920	-102.665	131.792	42.791	49	no	no
N.min	0.920	-102.648	131.809	42.809	45	no	no
N.min	0.920	-102.645	131.813	42.812	45	no	no
	0.920	-102.629	131.829	42.828	51	no	no
N.min	0.920	-102.607	131.851	42.850	53	no	no
N.min	0.919	-102.483	131.974	42.974	54	no	no
	0.919	-102.435	132.022	43.022	45	no	no
	0.919	-102.103	132.354	43.354	46	no	no
N.min	0.919	-101.996	132.461	43.461	46	no	no
N.min	0.919	-101.996	132.462	43.461	38	no	no
N.min	0.919	-101.893	132.565	43.564	44	no	no
	0.919	-101.876	132.581	43.581	50	no	no
N.min	0.918	-101.786	132.672	43.671	45	no	no
N.min	0.918	-101.780	132.678	43.677	51	no	no
N.min	0.918	-101.778	132.680	43.679	39	no	no
N.min	0.918	-101.719	132.739	43.738	46	no	no
N.min	0.918	-101.696	132.762	43.761	44	no	no
N.min	0.918	-101.640	132.818	43.817	47	no	no
	0.918	-101.498	132.960	43.959	44	no	no
	0.918	-101.337	133.120	44.120	48	no	no
	0.918	-101.332	133.126	44.125	40	no	no
N.min	0.918	-101.298	133.159	44.159	43	no	no
	0.918	-101.283	133.175	44.174	51	no	no
	0.918	-101.267	133.191	44.190	48	no	no
N.min	0.918	-101.262	133.196	44.195	41	no	no
	0.918	-101.241	133.216	44.216	56	no	no
	0.918	-101.217	133.241	44.240	39	no	no
N.min	0.917	-101.080	133.378	44.377	43	no	no
	0.917	-101.063	133.394	44.394	45	no	no
N.min	0.917	-101.033	133.425	44.424	42	no	no
N.min	0.917	-100.993	133.465	44.464	40	no	no
	0.917	-100.936	133.522	44.521	44	no	no
	0.917	-100.817	133.641	44.640	49	no	no
	0.917	-100.729	133.729	44.728	45	no	no
	0.917	-100.679	133.779	44.778	42	no	no
N.min	0.917	-100.650	133.808	44.807	46	no	no
N.min	0.917	-100.621	133.837	44.836	41	no	no
N.min	0.917	-100.610	133.847	44.847	53	no	no
	0.916	-100.379	134.079	45.078	52	no	no
N.min	0.916	-100.361	134.097	45.096	41	no	no
N.min	0.916	-100.344	134.114	45.113	49	no	no
N.min	0.916	-100.262	134.195	45.195	41	no	no
N.min	0.916	-100.260	134.197	45.197	42	no	no
N.min	0.916	-100.252	134.206	45.205	47	no	no
N.min	0.916	-100.240	134.218	45.217	40	no	no
N.min	0.916	-100.235	134.222	45.222	46	no	no
N.min	0.916	-100.222	134.236	45.235	49	no	no
N.min	0.916	-100.217	134.240	45.239	50	no	no
	0.916	-100.167	134.291	45.290	47	no	no
	0.916	-100.054	134.403	45.403	36	no	no
	0.916	-100.052	134.406	45.405	50	no	no
	0.916	-100.041	134.417	45.416	44	no	no
N.min	0.916	-99.992	134.465	45.465	47	no	no
	0.916	-99.963	134.495	45.494	58	no	no
N.min	0.916	-99.897	134.560	45.560	52	no	no
N.min	0.916	-99.854	134.603	45.602	40	no	no
N.min	0.915	-99.828	134.630	45.629	46	no	no
	0.915	-99.819	134.639	45.638	45	no	no
N.min	0.915	-99.675	134.782	45.782	52	no	no
N.min	0.915	-99.631	134.826	45.826	47	no	no
	0.915	-99.627	134.831	45.830	50	no	no

N.min	0.915	-99.605	134.853	45.852	47	no	no
N.min	0.915	-99.587	134.871	45.870	52	no	no
	0.915	-99.388	135.070	46.069	46	no	no
	0.915	-99.337	135.120	46.120	43	no	no
	0.915	-99.203	135.255	46.254	45	no	no
N.min	0.914	-99.154	135.304	46.303	39	no	no
	0.914	-98.983	135.475	46.474	41	no	no
N.min	0.914	-98.941	135.516	46.516	45	no	no
	0.914	-98.803	135.655	46.654	47	no	no
N.min	0.914	-98.801	135.657	46.656	52	no	no
	0.914	-98.768	135.690	46.689	42	no	no
	0.914	-98.745	135.713	46.712	49	no	no
N.min	0.914	-98.693	135.765	46.764	45	no	no
	0.914	-98.618	135.840	46.839	35	no	no
N.min	0.914	-98.605	135.853	46.852	47	no	no
	0.914	-98.588	135.870	46.869	48	no	no
	0.913	-98.485	135.973	46.972	43	no	no
	0.913	-98.457	136.001	47.000	49	no	no
N.min	0.913	-98.427	136.031	47.030	40	no	no
N.min	0.913	-98.366	136.092	47.091	47	no	no
N.min	0.913	-98.343	136.115	47.114	52	no	no
	0.913	-98.287	136.170	47.170	57	no	no
N.min	0.913	-98.242	136.216	47.215	41	no	no
	0.913	-98.210	136.248	47.247	48	no	no
	0.913	-98.206	136.251	47.251	43	no	no
N.min	0.913	-98.186	136.272	47.271	51	no	no
	0.913	-98.142	136.316	47.315	44	no	no
N.min	0.913	-98.130	136.327	47.327	47	no	no
N.min	0.913	-98.099	136.359	47.358	42	no	no
N.min	0.913	-98.012	136.445	47.445	53	no	no
N.min	0.913	-97.931	136.527	47.526	47	no	no
N.min	0.912	-97.807	136.651	47.650	40	no	no
	0.912	-97.806	136.652	47.651	56	no	no
	0.912	-97.729	136.729	47.728	45	no	no
N.min	0.912	-97.679	136.779	47.778	45	no	no
	0.912	-97.601	136.857	47.856	50	no	no
	0.912	-97.592	136.866	47.865	55	no	no
	0.912	-97.586	136.872	47.871	48	no	no
N.min	0.912	-97.520	136.938	47.937	46	no	no
	0.912	-97.460	136.998	47.997	49	no	no
N.min	0.912	-97.445	137.013	48.012	53	no	no
N.min	0.912	-97.431	137.027	48.026	45	no	no
	0.912	-97.369	137.089	48.088	56	no	no
	0.911	-97.288	137.170	48.169	50	no	no
N.min	0.911	-97.269	137.188	48.188	47	no	no
N.min	0.911	-97.241	137.217	48.216	46	no	no
	0.911	-97.229	137.229	48.228	37	no	no
N.min	0.911	-97.215	137.243	48.242	52	no	no
N.min	0.911	-97.202	137.255	48.255	39	no	no
	0.911	-97.125	137.333	48.332	44	no	no
	0.911	-97.113	137.344	48.344	51	no	no
	0.911	-97.076	137.382	48.381	46	no	no
N.min	0.911	-97.067	137.391	48.390	48	no	no
N.min	0.911	-97.044	137.414	48.413	46	no	no
N.min	0.911	-97.019	137.439	48.438	44	no	no
N.min	0.911	-96.951	137.507	48.506	53	no	no
	0.911	-96.881	137.577	48.576	49	no	no
N.min	0.911	-96.813	137.645	48.644	53	no	no
N.min	0.911	-96.761	137.697	48.696	44	no	no
N.min	0.911	-96.747	137.711	48.710	43	no	no
	0.910	-96.465	137.993	48.992	43	no	no
	0.910	-96.459	137.998	48.998	38	no	no
	0.910	-96.444	138.014	49.013	49	no	no

	0.910	-96.405	138.053	49.052	45	no	no
N.min	0.910	-96.401	138.056	49.056	47	no	no
	0.910	-96.365	138.093	49.092	44	no	no
	0.910	-96.305	138.153	49.152	50	no	no
	0.910	-96.286	138.172	49.171	58	no	no
N.min	0.910	-96.264	138.193	49.193	45	no	no
	0.910	-96.190	138.268	49.267	45	no	no
N.min	0.910	-96.166	138.291	49.291	45	no	no
	0.909	-96.042	138.416	49.415	46	no	no
N.min	0.909	-96.022	138.435	49.435	46	no	no
	0.909	-96.020	138.438	49.437	47	no	no
N.min	0.909	-95.973	138.485	49.484	55	no	no
	0.909	-95.914	138.544	49.543	47	no	no
	0.909	-95.898	138.560	49.559	37	no	no
N.min	0.909	-95.832	138.626	49.625	32	no	yes
N.min	0.909	-95.820	138.638	49.637	54	no	no
N.min	0.909	-95.813	138.645	49.644	54	no	no
N.min	0.909	-95.750	138.707	49.707	41	no	no
	0.909	-95.738	138.720	49.719	43	no	no
N.min	0.909	-95.720	138.738	49.737	48	no	no
	0.909	-95.719	138.739	49.738	44	no	no
	0.909	-95.649	138.809	49.808	52	no	no
N.min	0.909	-95.648	138.810	49.809	44	no	no
	0.909	-95.586	138.872	49.871	36	no	no
N.min	0.909	-95.583	138.875	49.874	53	no	no
N.min	0.909	-95.579	138.879	49.878	34	no	no
	0.909	-95.502	138.956	49.955	56	no	no
N.min	0.909	-95.463	138.994	49.993	48	no	no
N.min	0.908	-95.453	139.005	50.004	51	no	no
	0.908	-95.307	139.151	50.150	39	no	no
	0.908	-95.242	139.216	50.215	51	no	no
	0.908	-95.240	139.218	50.217	46	no	no
	0.908	-95.207	139.251	50.250	44	no	no
	0.908	-95.141	139.317	50.316	48	no	no
	0.908	-95.112	139.346	50.345	42	no	no
	0.908	-95.111	139.347	50.346	50	no	no
	0.908	-95.019	139.439	50.438	50	no	no
	0.907	-94.857	139.601	50.600	56	no	no
	0.907	-94.848	139.610	50.609	53	no	no
N.min	0.907	-94.838	139.620	50.619	38	no	no
N.min	0.907	-94.828	139.630	50.629	53	no	no
N.min	0.907	-94.810	139.647	50.647	38	no	no
N.min	0.907	-94.779	139.679	50.678	39	no	no
	0.907	-94.747	139.711	50.710	48	no	no
N.min	0.907	-94.743	139.714	50.714	49	no	no
	0.907	-94.726	139.732	50.731	48	no	no
	0.907	-94.601	139.857	50.856	52	no	no
	0.907	-94.549	139.909	50.908	50	no	no
	0.907	-94.530	139.928	50.927	51	no	no
	0.907	-94.441	140.017	51.016	57	no	no
	0.907	-94.398	140.060	51.059	53	no	no
N.min	0.907	-94.321	140.137	51.136	42	no	no
N.min	0.906	-94.246	140.212	51.211	39	no	no
N.min	0.906	-94.170	140.288	51.287	44	no	no
N.min	0.906	-94.156	140.302	51.301	52	no	no
N.min	0.906	-94.093	140.364	51.364	44	no	no
N.min	0.906	-94.039	140.419	51.418	46	no	no
	0.906	-93.987	140.471	51.470	48	no	no
N.min	0.906	-93.984	140.474	51.473	48	no	no
	0.906	-93.979	140.479	51.478	45	no	no
	0.906	-93.908	140.549	51.549	49	no	no
N.min	0.906	-93.897	140.561	51.560	44	no	no
N.min	0.906	-93.871	140.587	51.586	48	no	no

	0.906	-93.827	140.631	51.630	51	no	no
	0.906	-93.826	140.632	51.631	43	no	no
	0.906	-93.821	140.637	51.636	48	no	no
N.min	0.906	-93.805	140.653	51.652	39	no	no
	0.906	-93.765	140.693	51.692	37	no	no
N.min	0.905	-93.666	140.792	51.791	46	no	no
	0.905	-93.648	140.810	51.809	44	no	no
N.min	0.905	-93.640	140.818	51.817	42	no	no
N.min	0.905	-93.603	140.855	51.854	41	no	no
N.min	0.905	-93.552	140.906	51.905	51	no	no
N.min	0.905	-93.538	140.919	51.919	54	no	no
N.min	0.905	-93.506	140.952	51.951	44	no	no
	0.905	-93.324	141.134	52.133	49	no	no
N.min	0.905	-93.323	141.134	52.134	45	no	no
N.min	0.905	-93.291	141.166	52.166	43	no	no
N.min	0.905	-93.231	141.226	52.226	46	no	no
	0.905	-93.224	141.233	52.233	50	no	no
	0.905	-93.147	141.311	52.310	43	no	no
	0.905	-93.138	141.320	52.319	38	no	no
	0.905	-93.136	141.322	52.321	36	no	no
N.min	0.905	-93.131	141.327	52.326	49	no	no
	0.904	-93.090	141.368	52.367	47	no	no
	0.904	-93.075	141.383	52.382	48	no	no
N.min	0.904	-92.943	141.515	52.514	41	no	no
N.min	0.904	-92.912	141.545	52.545	51	no	no
N.min	0.904	-92.911	141.546	52.546	46	no	no
	0.904	-92.810	141.647	52.647	51	no	no
N.min	0.904	-92.678	141.780	52.779	41	no	no
	0.904	-92.674	141.784	52.783	51	no	no
N.min	0.904	-92.659	141.799	52.798	53	no	no
N.min	0.903	-92.531	141.926	52.926	35	no	no
N.min	0.903	-92.481	141.977	52.976	37	no	no
	0.903	-92.457	142.001	53.000	46	no	no
N.min	0.903	-92.430	142.028	53.027	52	no	no
	0.903	-92.374	142.083	53.083	49	no	no
	0.903	-92.282	142.176	53.175	50	no	no
N.min	0.903	-92.271	142.186	53.186	39	no	no
N.min	0.903	-92.215	142.243	53.242	45	no	no
	0.903	-92.149	142.308	53.308	47	no	no
N.min	0.903	-92.116	142.342	53.341	40	no	no
	0.903	-92.094	142.364	53.363	45	no	no
N.min	0.902	-91.923	142.535	53.534	39	no	no
N.min	0.902	-91.912	142.546	53.545	40	no	no
	0.902	-91.909	142.549	53.548	55	no	no
N.min	0.902	-91.905	142.553	53.552	42	no	no
N.min	0.902	-91.878	142.580	53.579	48	no	no
N.min	0.902	-91.849	142.609	53.608	50	no	no
N.min	0.902	-91.836	142.622	53.621	46	no	no
N.min	0.902	-91.815	142.643	53.642	42	no	no
	0.902	-91.765	142.693	53.692	42	no	no
	0.902	-91.722	142.736	53.735	39	no	no
N.min	0.902	-91.714	142.744	53.743	45	no	no
N.min	0.902	-91.677	142.781	53.780	50	no	no
N.min	0.902	-91.670	142.788	53.787	44	no	no
N.min	0.902	-91.638	142.820	53.819	47	no	no
	0.902	-91.517	142.941	53.940	43	no	no
N.min	0.902	-91.512	142.946	53.945	46	no	no
	0.902	-91.437	143.021	54.020	46	no	no
N.min	0.902	-91.421	143.037	54.036	53	no	no
	0.901	-91.402	143.055	54.055	58	no	no
	0.901	-91.351	143.107	54.106	43	no	no
N.min	0.901	-91.326	143.132	54.131	43	no	no
N.min	0.901	-91.323	143.134	54.134	54	no	no

N.min	0.901	-91.320	143.137	54.137	45	no	no
N.min	0.901	-91.196	143.261	54.261	52	no	no
N.min	0.901	-91.102	143.356	54.355	40	no	no
N.min	0.901	-91.090	143.368	54.367	43	no	no
N.min	0.901	-91.059	143.399	54.398	42	no	no
N.min	0.901	-91.029	143.429	54.428	46	no	no
N.min	0.901	-90.947	143.510	54.510	47	no	no
	0.901	-90.927	143.531	54.530	43	no	no
N.min	0.901	-90.890	143.568	54.567	43	no	no
	0.900	-90.823	143.635	54.634	45	no	no
N.min	0.900	-90.774	143.684	54.683	53	no	no
	0.900	-90.747	143.711	54.710	51	no	no
	0.900	-90.732	143.726	54.725	45	no	no
N.min	0.900	-90.605	143.853	54.852	41	no	no
	0.900	-90.593	143.865	54.864	46	no	no
N.min	0.900	-90.586	143.872	54.871	53	no	no
N.min	0.900	-90.555	143.902	54.901	51	no	no
N.min	0.900	-90.526	143.932	54.931	45	no	no
N.min	0.900	-90.512	143.946	54.945	45	no	no
N.min	0.900	-90.485	143.973	54.972	40	no	no
N.min	0.900	-90.437	144.021	55.020	52	no	no
N.min	0.900	-90.401	144.057	55.056	47	no	no
N.min	0.900	-90.371	144.086	55.086	47	no	no
	0.900	-90.351	144.106	55.106	57	no	no
	0.900	-90.347	144.110	55.110	43	no	no
N.min	0.899	-90.296	144.162	55.161	38	no	no
N.min	0.899	-90.260	144.198	55.197	33	no	no
N.min	0.899	-90.243	144.215	55.214	39	no	no
N.min	0.899	-90.205	144.253	55.252	32	no	yes
N.min	0.899	-90.198	144.259	55.259	53	no	no
N.min	0.899	-90.182	144.276	55.275	43	no	no
N.min	0.899	-90.168	144.290	55.289	51	no	no
N.min	0.899	-90.166	144.292	55.291	49	no	no
	0.899	-90.129	144.329	55.328	44	no	no
	0.899	-90.052	144.406	55.405	46	no	no
N.min	0.899	-90.041	144.417	55.416	52	no	no
N.min	0.899	-89.848	144.610	55.609	40	no	no
N.min	0.899	-89.839	144.619	55.618	47	no	no
N.min	0.899	-89.788	144.669	55.669	40	no	no
N.min	0.899	-89.788	144.670	55.669	51	no	no
	0.898	-89.530	144.928	55.927	50	no	no
	0.898	-89.501	144.956	55.956	42	no	no
	0.898	-89.500	144.958	55.957	51	no	no
N.min	0.898	-89.450	145.008	56.007	45	no	no
N.min	0.898	-89.408	145.049	56.049	52	no	no
	0.898	-89.295	145.162	56.162	50	no	no
	0.898	-89.230	145.228	56.227	40	no	no
	0.897	-89.144	145.314	56.313	46	no	no
N.min	0.897	-89.141	145.317	56.316	44	no	no
N.min	0.897	-89.080	145.377	56.377	45	no	no
N.min	0.897	-89.057	145.401	56.400	50	no	no
	0.897	-88.999	145.459	56.458	44	no	no
N.min	0.897	-88.963	145.495	56.494	46	no	no
N.min	0.897	-88.959	145.499	56.498	38	no	no
	0.897	-88.916	145.542	56.541	57	no	no
N.min	0.897	-88.837	145.621	56.620	41	no	no
N.min	0.897	-88.819	145.638	56.638	44	no	no
N.min	0.897	-88.811	145.647	56.646	48	no	no
N.min	0.897	-88.808	145.650	56.649	50	no	no
N.min	0.896	-88.672	145.786	56.785	39	no	no
N.min	0.896	-88.663	145.794	56.794	46	no	no
N.min	0.896	-88.648	145.810	56.809	39	no	no
N.min	0.896	-88.626	145.832	56.831	48	no	no



N.min	0.896	-88.606	145.852	56.851	45	no	no
N.min	0.896	-88.568	145.890	56.889	46	no	no
	0.896	-88.514	145.944	56.943	51	no	no
N.min	0.896	-88.407	146.051	57.050	41	no	no
N.min	0.896	-88.373	146.085	57.084	46	no	no
N.min	0.896	-88.330	146.128	57.127	37	no	no
	0.896	-88.318	146.140	57.139	51	no	no
N.min	0.896	-88.265	146.193	57.192	38	no	no
N.min	0.896	-88.203	146.255	57.254	38	no	no
	0.895	-88.091	146.367	57.366	52	no	no
N.min	0.895	-88.083	146.375	57.374	48	no	no
N.min	0.895	-88.057	146.401	57.400	47	no	no
	0.895	-88.044	146.413	57.413	56	no	no
	0.895	-88.033	146.425	57.424	45	no	no
	0.895	-88.026	146.432	57.431	50	no	no
	0.895	-87.954	146.504	57.503	44	no	no
N.min	0.895	-87.823	146.635	57.634	44	no	no
N.min	0.895	-87.811	146.647	57.646	54	no	no
N.min	0.895	-87.798	146.659	57.659	41	no	no
N.min	0.895	-87.760	146.698	57.697	46	no	no
	0.895	-87.737	146.720	57.720	44	no	no
N.min	0.894	-87.629	146.829	57.828	46	no	no
N.min	0.894	-87.498	146.959	57.959	40	no	no
N.min	0.894	-87.474	146.984	57.983	47	no	no
	0.894	-87.356	147.102	58.101	37	no	no
	0.894	-87.351	147.107	58.106	42	no	no
	0.894	-87.257	147.201	58.200	49	no	no
N.min	0.894	-87.178	147.280	58.279	48	no	no
	0.894	-87.173	147.285	58.284	46	no	no
N.min	0.893	-87.101	147.357	58.356	48	no	no
	0.893	-87.071	147.387	58.386	51	no	no
N.min	0.893	-87.011	147.447	58.446	48	no	no
	0.893	-86.998	147.459	58.459	47	no	no
N.min	0.893	-86.904	147.554	58.553	46	no	no
N.min	0.893	-86.840	147.618	58.617	39	no	no
	0.893	-86.825	147.632	58.632	56	no	no
N.min	0.893	-86.777	147.680	58.680	33	no	no
N.min	0.893	-86.681	147.777	58.776	49	no	no
N.min	0.893	-86.628	147.829	58.829	42	no	no
	0.892	-86.587	147.871	58.870	51	no	no
N.min	0.892	-86.564	147.894	58.893	51	no	no
	0.892	-86.553	147.904	58.904	49	no	no
N.min	0.892	-86.546	147.912	58.911	39	no	no
N.min	0.892	-86.544	147.914	58.913	49	no	no
N.min	0.892	-86.543	147.915	58.914	46	no	no
N.min	0.892	-86.454	148.004	59.003	36	no	no
N.min	0.892	-86.339	148.119	59.118	41	no	no
	0.892	-86.320	148.138	59.137	55	no	no
N.min	0.892	-86.272	148.185	59.185	42	no	no
N.min	0.892	-86.217	148.240	59.239	40	no	no
	0.892	-86.211	148.246	59.246	50	no	no
	0.891	-86.060	148.398	59.397	43	no	no
	0.891	-86.056	148.402	59.401	52	no	no
	0.891	-86.006	148.452	59.451	47	no	no
	0.891	-85.908	148.550	59.549	46	no	no
N.min	0.891	-85.863	148.595	59.594	39	no	no
	0.891	-85.857	148.601	59.600	46	no	no
	0.891	-85.839	148.619	59.618	50	no	no
N.min	0.891	-85.821	148.637	59.636	41	no	no
	0.891	-85.755	148.702	59.702	49	no	no
N.min	0.891	-85.710	148.748	59.747	48	no	no
	0.891	-85.677	148.781	59.780	46	no	no
N.min	0.891	-85.659	148.799	59.798	48	no	no

N.min	0.891	-85.598	148.860	59.859	45	no	no
	0.890	-85.571	148.887	59.886	51	no	no
N.min	0.890	-85.499	148.959	59.958	49	no	no
N.min	0.890	-85.492	148.966	59.965	45	no	no
N.min	0.890	-85.457	149.001	60.000	53	no	no
	0.890	-85.443	149.015	60.014	44	no	no
N.min	0.890	-85.443	149.015	60.014	40	no	no
	0.890	-85.411	149.046	60.046	45	no	no
N.min	0.890	-85.363	149.095	60.094	46	no	no
N.min	0.890	-85.294	149.164	60.163	47	no	no
	0.890	-85.159	149.299	60.298	52	no	no
N.min	0.890	-85.152	149.306	60.305	40	no	no
	0.889	-85.011	149.447	60.446	58	no	no
N.min	0.889	-84.988	149.470	60.469	55	no	no
	0.889	-84.963	149.495	60.494	38	no	no
N.min	0.889	-84.884	149.574	60.573	53	no	no
	0.889	-84.843	149.615	60.614	43	no	no
N.min	0.889	-84.757	149.701	60.700	49	no	no
	0.889	-84.742	149.716	60.715	49	no	no
	0.889	-84.733	149.725	60.724	48	no	no
N.min	0.889	-84.695	149.763	60.762	42	no	no
	0.889	-84.672	149.786	60.785	40	no	no
	0.889	-84.660	149.798	60.797	51	no	no
N.min	0.889	-84.642	149.816	60.815	49	no	no
	0.889	-84.641	149.817	60.816	49	no	no
	0.889	-84.617	149.840	60.840	49	no	no
N.min	0.888	-84.581	149.877	60.876	48	no	no
	0.888	-84.517	149.941	60.940	49	no	no
N.min	0.888	-84.459	149.998	60.998	44	no	no
	0.888	-84.459	149.999	60.998	50	no	no
N.min	0.888	-84.454	150.004	61.003	45	no	no
N.min	0.888	-84.311	150.147	61.146	49	no	no
N.min	0.888	-84.272	150.186	61.185	50	no	no
N.min	0.888	-84.257	150.200	61.200	43	no	no
N.min	0.888	-84.250	150.208	61.207	54	no	no
N.min	0.888	-84.221	150.237	61.236	47	no	no
N.min	0.888	-84.209	150.249	61.248	47	no	no
N.min	0.888	-84.198	150.259	61.259	48	no	no
	0.888	-84.124	150.334	61.333	52	no	no
N.min	0.888	-84.107	150.351	61.350	54	no	no
	0.888	-84.099	150.358	61.357	50	no	no
N.min	0.887	-84.091	150.367	61.366	51	no	no
	0.887	-84.028	150.429	61.429	51	no	no
N.min	0.887	-84.020	150.437	61.437	40	no	no
	0.887	-83.979	150.479	61.478	41	no	no
	0.887	-83.973	150.485	61.484	50	no	no
	0.887	-83.963	150.494	61.494	50	no	no
N.min	0.887	-83.847	150.611	61.610	49	no	no
N.min	0.887	-83.828	150.629	61.629	47	no	no
N.min	0.887	-83.823	150.635	61.634	47	no	no
N.min	0.887	-83.807	150.650	61.650	52	no	no
N.min	0.887	-83.722	150.735	61.735	54	no	no
N.min	0.887	-83.713	150.745	61.744	47	no	no
N.min	0.887	-83.691	150.766	61.766	53	no	no
N.min	0.887	-83.652	150.806	61.805	39	no	no
N.min	0.886	-83.588	150.870	61.869	48	no	no
N.min	0.886	-83.556	150.902	61.901	50	no	no
N.min	0.886	-83.498	150.960	61.959	51	no	no
N.min	0.886	-83.483	150.975	61.974	49	no	no
	0.886	-83.482	150.976	61.975	54	no	no
N.min	0.886	-83.378	151.080	62.079	49	no	no
N.min	0.886	-83.372	151.085	62.085	42	no	no
N.min	0.886	-83.332	151.126	62.125	52	no	no

N.min	0.886	-83.265	151.193	62.192	50	no	no
N.min	0.886	-83.263	151.195	62.194	53	no	no
N.min	0.886	-83.248	151.210	62.209	43	no	no
	0.886	-83.239	151.219	62.218	47	no	no
N.min	0.886	-83.225	151.232	62.232	39	no	no
N.min	0.886	-83.176	151.281	62.281	40	no	no
N.min	0.885	-83.078	151.380	62.379	43	no	no
N.min	0.885	-82.885	151.573	62.572	34	no	no
N.min	0.885	-82.865	151.593	62.592	35	no	no
	0.885	-82.851	151.607	62.606	46	no	no
N.min	0.885	-82.792	151.666	62.665	49	no	no
N.min	0.884	-82.643	151.814	62.814	53	no	no
N.min	0.884	-82.588	151.870	62.869	51	no	no
N.min	0.884	-82.565	151.893	62.892	47	no	no
N.min	0.884	-82.525	151.933	62.932	46	no	no
N.min	0.884	-82.493	151.964	62.964	37	no	no
N.min	0.884	-82.346	152.112	63.111	39	no	no
	0.884	-82.281	152.177	63.176	52	no	no
N.min	0.884	-82.240	152.217	63.217	41	no	no
N.min	0.884	-82.220	152.238	63.237	44	no	no
N.min	0.883	-82.118	152.339	63.339	48	no	no
N.min	0.883	-82.117	152.340	63.340	54	no	no
	0.883	-81.959	152.499	63.498	46	no	no
	0.883	-81.941	152.517	63.516	37	no	no
	0.883	-81.910	152.548	63.547	44	no	no
N.min	0.883	-81.854	152.604	63.603	46	no	no
N.min	0.883	-81.781	152.676	63.676	48	no	no
N.min	0.882	-81.704	152.754	63.753	49	no	no
N.min	0.882	-81.645	152.813	63.812	48	no	no
N.min	0.882	-81.593	152.865	63.864	41	no	no
N.min	0.882	-81.586	152.872	63.871	53	no	no
N.min	0.882	-81.585	152.873	63.872	46	no	no
	0.882	-81.520	152.938	63.937	51	no	no
	0.882	-81.485	152.973	63.972	51	no	no
	0.882	-81.440	153.018	64.017	51	no	no
	0.882	-81.424	153.034	64.033	51	no	no
N.min	0.882	-81.393	153.065	64.064	53	no	no
N.min	0.882	-81.361	153.097	64.096	47	no	no
N.min	0.882	-81.301	153.157	64.156	50	no	no
N.min	0.882	-81.283	153.175	64.174	46	no	no
N.min	0.881	-81.240	153.218	64.217	51	no	no
N.min	0.881	-81.233	153.225	64.224	54	no	no
	0.881	-81.181	153.276	64.276	47	no	no
	0.881	-81.178	153.280	64.279	45	no	no
N.min	0.881	-81.048	153.410	64.409	45	no	no
N.min	0.881	-81.018	153.440	64.439	47	no	no
N.min	0.881	-81.012	153.446	64.445	46	no	no
	0.881	-81.010	153.448	64.447	46	no	no
	0.881	-81.009	153.449	64.448	36	no	no
	0.881	-80.972	153.486	64.485	43	no	no
	0.881	-80.930	153.527	64.527	41	no	no
N.min	0.881	-80.890	153.568	64.567	47	no	no
	0.881	-80.871	153.587	64.586	44	no	no
N.min	0.881	-80.807	153.651	64.650	52	no	no
N.min	0.880	-80.691	153.767	64.766	48	no	no
N.min	0.880	-80.610	153.848	64.847	41	no	no
N.min	0.880	-80.600	153.858	64.857	48	no	no
	0.880	-80.557	153.901	64.900	46	no	no
N.min	0.880	-80.517	153.941	64.940	60	no	no
N.min	0.880	-80.402	154.056	65.055	47	no	no
N.min	0.880	-80.401	154.056	65.056	46	no	no
N.min	0.880	-80.398	154.060	65.059	41	no	no
N.min	0.880	-80.377	154.080	65.080	51	no	no

N.min	0.880	-80.340	154.117	65.117	46	no	no
N.min	0.879	-80.302	154.156	65.155	55	no	no
	0.879	-80.242	154.216	65.215	53	no	no
N.min	0.879	-80.185	154.273	65.272	46	no	no
	0.879	-80.158	154.300	65.299	48	no	no
N.min	0.879	-80.146	154.312	65.311	55	no	no
N.min	0.879	-80.086	154.372	65.371	48	no	no
N.min	0.879	-80.056	154.402	65.401	47	no	no
N.min	0.879	-79.909	154.549	65.548	51	no	no
N.min	0.878	-79.835	154.623	65.622	40	no	no
N.min	0.878	-79.713	154.745	65.744	43	no	no
	0.878	-79.667	154.791	65.790	51	no	no
	0.878	-79.600	154.857	65.857	51	no	no
N.min	0.878	-79.531	154.926	65.926	39	no	no
N.min	0.878	-79.492	154.966	65.965	48	no	no
N.min	0.877	-79.382	155.076	66.075	45	no	no
N.min	0.877	-79.373	155.085	66.084	47	no	no
	0.877	-79.304	155.154	66.153	50	no	no
N.min	0.877	-79.250	155.208	66.207	52	no	no
N.min	0.877	-79.173	155.285	66.284	47	no	no
	0.877	-79.165	155.293	66.292	45	no	no
	0.877	-79.114	155.344	66.343	42	no	no
N.min	0.877	-79.092	155.365	66.365	54	no	no
	0.877	-79.044	155.414	66.413	45	no	no
N.min	0.877	-78.977	155.481	66.480	48	no	no
N.min	0.876	-78.965	155.492	66.492	55	no	no
N.min	0.876	-78.942	155.516	66.515	50	no	no
N.min	0.876	-78.931	155.526	66.526	47	no	no
N.min	0.876	-78.918	155.540	66.539	58	no	no
	0.876	-78.872	155.586	66.585	48	no	no
N.min	0.876	-78.818	155.640	66.639	53	no	no
N.min	0.876	-78.785	155.672	66.672	48	no	no
N.min	0.876	-78.778	155.680	66.679	49	no	no
N.min	0.876	-78.744	155.714	66.713	51	no	no
	0.876	-78.710	155.748	66.747	52	no	no
N.min	0.876	-78.686	155.771	66.771	46	no	no
	0.876	-78.640	155.817	66.817	56	no	no
	0.876	-78.615	155.843	66.842	54	no	no
	0.876	-78.556	155.902	66.901	43	no	no
N.min	0.875	-78.453	156.005	67.004	47	no	no
N.min	0.875	-78.436	156.022	67.021	47	no	no
N.min	0.875	-78.399	156.059	67.058	52	no	no
N.min	0.875	-78.377	156.081	67.080	47	no	no
N.min	0.875	-78.370	156.088	67.087	51	no	no
N.min	0.875	-78.348	156.110	67.109	45	no	no
N.min	0.875	-78.299	156.158	67.158	58	no	no
N.min	0.875	-78.258	156.199	67.199	43	no	no
N.min	0.875	-78.199	156.259	67.258	47	no	no
N.min	0.875	-78.187	156.271	67.270	37	no	no
N.min	0.875	-78.135	156.322	67.322	46	no	no
N.min	0.875	-78.111	156.347	67.346	45	no	no
N.min	0.874	-77.973	156.485	67.484	41	no	no
N.min	0.874	-77.885	156.573	67.572	42	no	no
N.min	0.874	-77.874	156.583	67.583	50	no	no
N.min	0.874	-77.873	156.585	67.584	50	no	no
N.min	0.874	-77.859	156.599	67.598	41	no	no
N.min	0.874	-77.832	156.626	67.625	48	no	no
	0.874	-77.763	156.694	67.694	45	no	no
N.min	0.874	-77.652	156.806	67.805	48	no	no
N.min	0.873	-77.642	156.816	67.815	56	no	no
	0.873	-77.606	156.852	67.851	52	no	no
N.min	0.873	-77.600	156.858	67.857	53	no	no
N.min	0.873	-77.570	156.888	67.887	54	no	no

	0.873	-77.532	156.926	67.925	47	no	no
N.min	0.873	-77.497	156.961	67.960	56	no	no
N.min	0.873	-77.475	156.982	67.982	49	no	no
N.min	0.873	-77.450	157.008	68.007	48	no	no
N.min	0.873	-77.437	157.021	68.020	48	no	no
N.min	0.873	-77.434	157.024	68.023	54	no	no
	0.873	-77.397	157.060	68.060	46	no	no
N.min	0.873	-77.397	157.061	68.060	52	no	no
N.min	0.873	-77.391	157.067	68.066	54	no	no
N.min	0.873	-77.366	157.092	68.091	40	no	no
N.min	0.873	-77.348	157.110	68.109	51	no	no
	0.873	-77.335	157.123	68.122	45	no	no
N.min	0.873	-77.297	157.161	68.160	47	no	no
N.min	0.873	-77.226	157.232	68.231	50	no	no
N.min	0.872	-77.207	157.250	68.250	48	no	no
N.min	0.872	-77.190	157.268	68.267	48	no	no
	0.872	-77.182	157.275	68.275	44	no	no
	0.872	-77.158	157.299	68.299	44	no	no
N.min	0.872	-77.145	157.312	68.312	40	no	no
N.min	0.872	-77.136	157.322	68.321	47	no	no
N.min	0.872	-77.126	157.332	68.331	41	no	no
N.min	0.872	-77.105	157.353	68.352	48	no	no
N.min	0.872	-77.055	157.403	68.402	48	no	no
N.min	0.872	-77.018	157.440	68.439	53	no	no
	0.872	-76.991	157.467	68.466	52	no	no
N.min	0.872	-76.878	157.580	68.579	50	no	no
	0.872	-76.867	157.591	68.590	52	no	no
N.min	0.872	-76.865	157.593	68.592	60	no	no
	0.872	-76.852	157.606	68.605	45	no	no
N.min	0.871	-76.738	157.720	68.719	55	no	no
N.min	0.871	-76.687	157.771	68.770	42	no	no
N.min	0.871	-76.663	157.795	68.794	52	no	no
N.min	0.871	-76.613	157.845	68.844	60	no	no
N.min	0.871	-76.610	157.848	68.847	44	no	no
	0.871	-76.475	157.983	68.982	44	no	no
N.min	0.871	-76.434	158.024	69.023	51	no	no
N.min	0.871	-76.424	158.034	69.033	48	no	no
	0.871	-76.405	158.052	69.052	37	no	no
N.min	0.871	-76.364	158.094	69.093	44	no	no
N.min	0.870	-76.325	158.133	69.132	54	no	no
	0.870	-76.301	158.157	69.156	38	no	no
	0.870	-76.263	158.195	69.194	52	no	no
	0.870	-76.259	158.199	69.198	44	no	no
N.min	0.870	-76.233	158.225	69.224	47	no	no
N.min	0.870	-76.214	158.244	69.243	42	no	no
N.min	0.870	-76.184	158.274	69.273	58	no	no
N.min	0.870	-76.169	158.289	69.288	39	no	no
	0.870	-76.155	158.303	69.302	50	no	no
	0.870	-76.109	158.349	69.348	44	no	no
N.min	0.870	-76.093	158.365	69.364	41	no	no
N.min	0.870	-76.085	158.373	69.372	49	no	no
N.min	0.870	-76.008	158.450	69.449	58	no	no
N.min	0.870	-75.997	158.461	69.460	51	no	no
N.min	0.870	-75.974	158.484	69.483	48	no	no
	0.869	-75.864	158.594	69.593	51	no	no
N.min	0.869	-75.734	158.724	69.723	49	no	no
N.min	0.869	-75.732	158.726	69.725	50	no	no
N.min	0.869	-75.645	158.813	69.812	46	no	no
N.min	0.869	-75.642	158.816	69.815	46	no	no
N.min	0.869	-75.633	158.825	69.824	52	no	no
N.min	0.869	-75.628	158.830	69.829	45	no	no
N.min	0.869	-75.614	158.844	69.843	48	no	no
	0.869	-75.574	158.884	69.883	50	no	no

N.min	0.869	-75.573	158.885	69.884	45	no	no
N.min	0.869	-75.567	158.891	69.890	43	no	no
	0.869	-75.543	158.915	69.914	52	no	no
N.min	0.869	-75.539	158.919	69.918	45	no	no
N.min	0.869	-75.536	158.922	69.921	45	no	no
N.min	0.869	-75.524	158.934	69.933	47	no	no
	0.868	-75.410	159.048	70.047	45	no	no
N.min	0.868	-75.402	159.056	70.055	48	no	no
N.min	0.868	-75.315	159.142	70.142	40	no	no
N.min	0.868	-75.279	159.179	70.178	46	no	no
N.min	0.868	-75.276	159.182	70.181	39	no	no
	0.868	-75.155	159.303	70.302	42	no	no
N.min	0.868	-75.120	159.338	70.337	44	no	no
N.min	0.868	-75.114	159.344	70.343	46	no	no
	0.867	-75.038	159.420	70.419	46	no	no
N.min	0.867	-74.958	159.500	70.499	52	no	no
N.min	0.867	-74.912	159.545	70.545	47	no	no
N.min	0.867	-74.843	159.614	70.614	59	no	no
	0.867	-74.825	159.632	70.632	51	no	no
N.min	0.867	-74.710	159.748	70.747	46	no	no
N.min	0.866	-74.581	159.877	70.876	59	no	no
	0.866	-74.501	159.957	70.956	58	no	no
N.min	0.866	-74.492	159.965	70.965	53	no	no
N.min	0.866	-74.450	160.008	71.007	55	no	no
	0.866	-74.359	160.099	71.098	53	no	no
	0.866	-74.306	160.152	71.151	39	no	no
N.min	0.865	-74.267	160.191	71.190	40	no	no
N.min	0.865	-74.134	160.323	71.323	49	no	no
	0.865	-74.044	160.414	71.413	48	no	no
N.min	0.865	-74.010	160.448	71.447	58	no	no
	0.865	-74.002	160.455	71.455	53	no	no
N.min	0.865	-73.920	160.538	71.537	44	no	no
N.min	0.865	-73.919	160.538	71.538	41	no	no
N.min	0.865	-73.908	160.550	71.549	40	no	no
N.min	0.864	-73.846	160.612	71.611	41	no	no
N.min	0.864	-73.819	160.639	71.638	44	no	no
N.min	0.864	-73.800	160.658	71.657	46	no	no
N.min	0.864	-73.749	160.708	71.708	60	no	no
N.min	0.864	-73.715	160.743	71.742	46	no	no
N.min	0.864	-73.712	160.746	71.745	54	no	no
	0.864	-73.534	160.924	71.923	50	no	no
	0.864	-73.517	160.941	71.940	49	no	no
	0.864	-73.509	160.949	71.948	53	no	no
N.min	0.863	-73.371	161.087	72.086	54	no	no
	0.863	-73.347	161.110	72.110	48	no	no
	0.863	-73.346	161.111	72.111	42	no	no
N.min	0.863	-73.328	161.130	72.129	47	no	no
N.min	0.863	-73.317	161.141	72.140	58	no	no
N.min	0.863	-73.286	161.171	72.171	52	no	no
	0.863	-73.221	161.237	72.236	49	no	no
N.min	0.863	-73.090	161.368	72.367	59	no	no
N.min	0.862	-72.991	161.467	72.466	47	no	no
N.min	0.862	-72.979	161.478	72.478	55	no	no
N.min	0.862	-72.930	161.528	72.527	48	no	no
N.min	0.862	-72.886	161.571	72.571	50	no	no
N.min	0.862	-72.856	161.602	72.601	38	no	no
	0.862	-72.851	161.607	72.606	51	no	no
	0.862	-72.846	161.612	72.611	51	no	no
	0.862	-72.800	161.658	72.657	48	no	no
N.min	0.862	-72.792	161.666	72.665	34	no	no
	0.862	-72.750	161.708	72.707	42	no	no
N.min	0.862	-72.747	161.710	72.710	53	no	no
N.min	0.861	-72.548	161.910	72.909	46	no	no

	0.861	-72.502	161.956	72.955	58	no	no
N.min	0.861	-72.467	161.991	72.990	38	no	no
N.min	0.861	-72.441	162.017	73.016	49	no	no
N.min	0.861	-72.396	162.062	73.061	51	no	no
N.min	0.861	-72.361	162.097	73.096	39	no	no
	0.861	-72.348	162.109	73.109	51	no	no
	0.861	-72.344	162.114	73.113	52	no	no
N.min	0.861	-72.337	162.121	73.120	42	no	no
N.min	0.861	-72.337	162.121	73.120	46	no	no
N.min	0.860	-72.258	162.200	73.199	45	no	no
	0.860	-72.237	162.221	73.220	50	no	no
	0.860	-72.226	162.232	73.231	57	no	no
N.min	0.860	-72.203	162.255	73.254	56	no	no
	0.860	-72.201	162.257	73.256	43	no	no
	0.860	-72.063	162.394	73.394	53	no	no
N.min	0.860	-71.936	162.521	73.520	51	no	no
N.min	0.860	-71.876	162.582	73.581	51	no	no
N.min	0.859	-71.872	162.586	73.585	46	no	no
N.min	0.859	-71.850	162.608	73.607	54	no	no
	0.859	-71.829	162.629	73.628	49	no	no
	0.859	-71.821	162.637	73.636	52	no	no
N.min	0.859	-71.765	162.693	73.692	45	no	no
N.min	0.859	-71.763	162.694	73.694	54	no	no
N.min	0.859	-71.725	162.732	73.732	43	no	no
	0.859	-71.715	162.742	73.742	49	no	no
	0.859	-71.660	162.797	73.797	52	no	no
N.min	0.859	-71.623	162.835	73.834	56	no	no
N.min	0.859	-71.556	162.902	73.901	44	no	no
N.min	0.858	-71.342	163.115	74.115	46	no	no
N.min	0.858	-71.334	163.123	74.123	38	no	no
N.min	0.858	-71.315	163.143	74.142	53	no	no
N.min	0.858	-71.304	163.153	74.153	52	no	no
	0.858	-71.302	163.156	74.155	54	no	no
N.min	0.858	-71.256	163.201	74.201	53	no	no
N.min	0.858	-71.221	163.237	74.236	55	no	no
	0.858	-71.197	163.261	74.260	43	no	no
N.min	0.858	-71.186	163.272	74.271	60	no	no
	0.858	-71.098	163.360	74.359	56	no	no
N.min	0.857	-71.075	163.383	74.382	38	no	no
	0.857	-71.070	163.388	74.387	50	no	no
	0.857	-71.041	163.417	74.416	41	no	no
N.min	0.857	-71.000	163.458	74.457	53	no	no
N.min	0.857	-70.973	163.485	74.484	49	no	no
	0.857	-70.840	163.618	74.617	51	no	no
	0.857	-70.749	163.709	74.708	56	no	no
N.min	0.857	-70.718	163.740	74.739	55	no	no
	0.856	-70.692	163.765	74.765	46	no	no
N.min	0.856	-70.588	163.869	74.869	48	no	no
	0.856	-70.550	163.907	74.907	55	no	no
N.min	0.856	-70.478	163.980	74.979	35	no	no
	0.856	-70.476	163.982	74.981	57	no	no
N.min	0.856	-70.457	164.001	75.000	53	no	no
N.min	0.856	-70.454	164.004	75.003	49	no	no
N.min	0.856	-70.446	164.011	75.011	53	no	no
	0.856	-70.381	164.077	75.076	45	no	no
N.min	0.856	-70.370	164.088	75.087	35	no	no
	0.856	-70.331	164.126	75.126	48	no	no
N.min	0.855	-70.306	164.152	75.151	47	no	no
N.min	0.855	-70.284	164.174	75.173	45	no	no
	0.855	-70.259	164.199	75.198	48	no	no
	0.855	-70.237	164.220	75.220	52	no	no
N.min	0.855	-70.212	164.246	75.245	41	no	no
	0.855	-70.145	164.312	75.312	51	no	no



	0.855	-70.112	164.346	75.345	56	no	no
N.min	0.855	-70.103	164.355	75.354	39	no	no
N.min	0.855	-70.102	164.356	75.355	34	no	no
	0.855	-70.047	164.410	75.410	43	no	no
N.min	0.855	-70.029	164.428	75.428	49	no	no
N.min	0.855	-69.993	164.465	75.464	46	no	no
	0.855	-69.963	164.494	75.494	55	no	no
N.min	0.855	-69.953	164.505	75.504	47	no	no
	0.854	-69.944	164.514	75.513	54	no	no
	0.854	-69.929	164.529	75.528	54	no	no
N.min	0.854	-69.625	164.832	75.832	46	no	no
N.min	0.853	-69.506	164.952	75.951	47	no	no
N.min	0.853	-69.393	165.064	76.064	33	no	no
N.min	0.853	-69.389	165.069	76.068	48	no	no
N.min	0.853	-69.327	165.130	76.130	45	no	no
	0.853	-69.318	165.140	76.139	55	no	no
N.min	0.853	-69.294	165.164	76.163	41	no	no
N.min	0.853	-69.273	165.185	76.184	46	no	no
	0.852	-69.047	165.411	76.410	51	no	no
	0.852	-68.859	165.599	76.598	44	no	no
	0.851	-68.805	165.652	76.652	54	no	no
	0.851	-68.790	165.668	76.667	52	no	no
N.min	0.851	-68.705	165.753	76.752	41	no	no
N.min	0.851	-68.703	165.755	76.754	58	no	no
	0.851	-68.630	165.828	76.827	46	no	no
N.min	0.851	-68.538	165.919	76.919	48	no	no
N.min	0.851	-68.521	165.937	76.936	47	no	no
	0.851	-68.511	165.947	76.946	47	no	no
	0.851	-68.506	165.952	76.951	42	no	no
N.min	0.851	-68.503	165.955	76.954	41	no	no
N.min	0.851	-68.484	165.973	76.973	40	no	no
N.min	0.850	-68.451	166.007	77.006	53	no	no
N.min	0.850	-68.428	166.030	77.029	45	no	no
N.min	0.850	-68.405	166.052	77.052	41	no	no
N.min	0.850	-68.351	166.107	77.106	53	no	no
N.min	0.850	-68.332	166.125	77.125	57	no	no
	0.850	-68.289	166.169	77.168	56	no	no
N.min	0.850	-68.269	166.188	77.188	48	no	no
N.min	0.850	-68.223	166.235	77.234	47	no	no
	0.850	-68.180	166.277	77.277	49	no	no
N.min	0.850	-68.102	166.355	77.355	56	no	no
	0.850	-68.094	166.364	77.363	50	no	no
N.min	0.849	-68.069	166.388	77.388	34	no	no
N.min	0.849	-67.974	166.483	77.482	60	no	no
	0.849	-67.928	166.530	77.529	55	no	no
	0.849	-67.891	166.567	77.566	46	no	no
N.min	0.849	-67.887	166.571	77.570	49	no	no
N.min	0.848	-67.629	166.829	77.828	51	no	no
	0.848	-67.568	166.890	77.889	39	no	no
N.min	0.848	-67.561	166.896	77.896	53	no	no
N.min	0.848	-67.560	166.897	77.897	52	no	no
N.min	0.848	-67.550	166.908	77.907	55	no	no
N.min	0.848	-67.376	167.082	78.081	51	no	no
N.min	0.847	-67.346	167.112	78.111	54	no	no
	0.847	-67.264	167.194	78.193	46	no	no
	0.847	-67.117	167.341	78.340	55	no	no
N.min	0.847	-67.109	167.349	78.348	55	no	no
	0.847	-67.016	167.441	78.441	50	no	no
N.min	0.846	-66.950	167.507	78.507	59	no	no
N.min	0.846	-66.922	167.536	78.535	57	no	no
	0.846	-66.813	167.645	78.644	41	no	no
	0.846	-66.793	167.665	78.664	45	no	no
N.min	0.846	-66.779	167.679	78.678	46	no	no

	0.846	-66.761	167.697	78.696	56	no	no
N.min	0.846	-66.750	167.708	78.707	42	no	no
N.min	0.845	-66.585	167.872	78.872	52	no	no
	0.845	-66.518	167.940	78.939	43	no	no
N.min	0.845	-66.468	167.990	78.989	52	no	no
	0.845	-66.462	167.996	78.995	51	no	no
	0.845	-66.437	168.021	79.020	52	no	no
	0.845	-66.398	168.060	79.059	49	no	no
	0.845	-66.338	168.120	79.119	45	no	no
	0.844	-66.295	168.163	79.162	53	no	no
N.min	0.844	-66.278	168.179	79.179	44	no	no
N.min	0.844	-66.140	168.317	79.317	49	no	no
	0.844	-66.085	168.373	79.372	54	no	no
N.min	0.844	-66.081	168.377	79.376	43	no	no
N.min	0.844	-66.069	168.389	79.388	45	no	no
N.min	0.844	-65.989	168.469	79.468	42	no	no
	0.843	-65.911	168.547	79.546	63	no	no
	0.843	-65.893	168.565	79.564	52	no	no
N.min	0.843	-65.887	168.571	79.570	45	no	no
	0.843	-65.797	168.660	79.660	53	no	no
N.min	0.843	-65.790	168.668	79.667	49	no	no
	0.843	-65.763	168.695	79.694	50	no	no
	0.843	-65.739	168.719	79.718	50	no	no
	0.843	-65.729	168.728	79.728	38	no	no
N.min	0.843	-65.705	168.753	79.752	53	no	no
	0.843	-65.653	168.805	79.804	49	no	no
N.min	0.842	-65.493	168.965	79.964	48	no	no
N.min	0.842	-65.474	168.984	79.983	53	no	no
	0.842	-65.375	169.083	80.082	47	no	no
	0.841	-65.127	169.330	80.330	50	no	no
	0.841	-65.124	169.334	80.333	59	no	no
N.min	0.840	-64.871	169.587	80.586	45	no	no
	0.840	-64.841	169.617	80.616	49	no	no
	0.840	-64.806	169.652	80.651	41	no	no
	0.840	-64.678	169.780	80.779	54	no	no
N.min	0.840	-64.636	169.822	80.821	54	no	no
	0.839	-64.375	170.083	81.082	57	no	no
	0.838	-64.174	170.284	81.283	49	no	no
	0.838	-64.162	170.296	81.295	59	no	no
N.min	0.838	-64.041	170.417	81.416	55	no	no
N.min	0.838	-64.004	170.454	81.453	50	no	no
N.min	0.837	-63.864	170.593	81.593	52	no	no
N.min	0.837	-63.798	170.660	81.659	56	no	no
	0.837	-63.782	170.675	81.675	50	no	no
N.min	0.836	-63.398	171.060	82.059	54	no	no
	0.836	-63.395	171.062	82.062	52	no	no
N.min	0.836	-63.332	171.125	82.125	43	no	no
	0.835	-63.182	171.276	82.275	55	no	no
N.min	0.835	-63.163	171.294	82.294	42	no	no
N.min	0.834	-62.595	171.862	82.862	52	no	no
N.min	0.833	-62.433	172.024	83.024	42	no	no
N.min	0.833	-62.381	172.077	83.076	55	no	no
N.min	0.832	-62.170	172.287	83.287	47	no	no
N.min	0.832	-62.122	172.336	83.335	52	no	no
N.min	0.832	-62.062	172.396	83.395	43	no	no
	0.832	-62.019	172.439	83.438	53	no	no
	0.832	-61.931	172.526	83.525	48	no	no
N.min	0.832	-61.893	172.564	83.564	48	no	no
N.min	0.832	-61.885	172.572	83.572	50	no	no
N.min	0.831	-61.783	172.674	83.674	47	no	no
	0.831	-61.690	172.768	83.767	48	no	no
	0.830	-61.542	172.915	83.915	39	no	no
	0.829	-61.187	173.270	84.270	49	no	no

N.min	0.828	-60.752	173.706	84.705	52	no	no
	0.828	-60.731	173.726	84.726	53	no	no
N.min	0.828	-60.631	173.827	84.826	44	no	no
N.min	0.828	-60.615	173.843	84.842	51	no	no
N.min	0.827	-60.588	173.870	84.869	48	no	no
N.min	0.827	-60.457	174.001	85.000	40	no	no
N.min	0.827	-60.394	174.064	85.063	53	no	no
N.min	0.827	-60.279	174.179	85.178	50	no	no
N.min	0.826	-60.252	174.206	85.205	58	no	no
N.min	0.826	-60.176	174.282	85.281	43	no	no
	0.826	-60.170	174.287	85.287	54	no	no
N.min	0.826	-60.130	174.327	85.327	47	no	no
N.min	0.826	-60.088	174.370	85.369	49	no	no
	0.826	-60.055	174.403	85.402	58	no	no
	0.826	-60.009	174.449	85.448	46	no	no
N.min	0.825	-59.911	174.547	85.546	54	no	no
N.min	0.825	-59.863	174.594	85.594	56	no	no
N.min	0.825	-59.850	174.608	85.607	45	no	no
N.min	0.825	-59.844	174.614	85.613	54	no	no
N.min	0.825	-59.776	174.682	85.681	55	no	no
	0.824	-59.638	174.820	85.819	43	no	no
N.min	0.824	-59.569	174.889	85.888	41	no	no
N.min	0.824	-59.543	174.914	85.914	54	no	no
	0.824	-59.498	174.959	85.959	58	no	no
N.min	0.824	-59.411	175.047	86.046	52	no	no
	0.824	-59.372	175.085	86.085	50	no	no
N.min	0.823	-59.310	175.148	86.147	52	no	no
N.min	0.823	-59.184	175.274	86.273	60	no	no
N.min	0.823	-59.123	175.335	86.334	49	no	no
N.min	0.823	-59.087	175.371	86.370	40	no	no
	0.822	-58.918	175.539	86.539	56	no	no
	0.822	-58.876	175.582	86.581	43	no	no
N.min	0.822	-58.790	175.668	86.667	53	no	no
N.min	0.822	-58.724	175.734	86.733	61	no	no
	0.821	-58.708	175.750	86.749	44	no	no
N.min	0.821	-58.699	175.758	86.758	54	no	no
	0.821	-58.599	175.858	86.858	56	no	no
N.min	0.821	-58.598	175.860	86.859	57	no	no
N.min	0.821	-58.423	176.034	87.034	53	no	no
N.min	0.820	-58.261	176.197	87.196	50	no	no
N.min	0.820	-58.209	176.249	87.248	56	no	no
	0.820	-58.115	176.343	87.342	57	no	no
N.min	0.819	-58.092	176.366	87.365	61	no	no
N.min	0.819	-57.992	176.466	87.465	52	no	no
N.min	0.819	-57.973	176.484	87.484	49	no	no
	0.819	-57.914	176.544	87.543	57	no	no
N.min	0.819	-57.797	176.660	87.660	58	no	no
N.min	0.818	-57.568	176.890	87.889	43	no	no
	0.817	-57.462	176.996	87.995	48	no	no
	0.817	-57.315	177.142	88.142	47	no	no
N.min	0.817	-57.289	177.169	88.168	56	no	no
N.min	0.817	-57.266	177.192	88.191	46	no	no
N.min	0.816	-57.172	177.286	88.285	52	no	no
N.min	0.816	-57.157	177.300	88.300	53	no	no
N.min	0.816	-57.051	177.406	88.406	52	no	no
N.min	0.816	-56.968	177.490	88.489	40	no	no
	0.815	-56.888	177.570	88.569	58	no	no
N.min	0.815	-56.867	177.591	88.590	47	no	no
N.min	0.815	-56.821	177.637	88.636	39	no	no
	0.815	-56.775	177.683	88.682	51	no	no
N.min	0.815	-56.766	177.692	88.691	51	no	no
	0.815	-56.761	177.697	88.696	53	no	no
N.min	0.815	-56.706	177.752	88.751	41	no	no

N.min	0.814	-56.577	177.881	88.880	51	no	no
N.min	0.814	-56.499	177.959	88.958	51	no	no
N.min	0.814	-56.388	178.069	89.069	47	no	no
N.min	0.813	-56.282	178.176	89.175	46	no	no
	0.812	-55.856	178.602	89.601	57	no	no
	0.812	-55.840	178.618	89.617	56	no	no
N.min	0.812	-55.823	178.634	89.634	50	no	no
N.min	0.812	-55.807	178.651	89.650	48	no	no
N.min	0.812	-55.733	178.725	89.724	46	no	no
N.min	0.812	-55.728	178.729	89.728	48	no	no
N.min	0.811	-55.625	178.833	89.832	50	no	no
	0.811	-55.610	178.848	89.847	52	no	no
N.min	0.811	-55.604	178.854	89.853	53	no	no
N.min	0.810	-55.258	179.200	90.199	50	no	no
	0.809	-55.031	179.427	90.426	57	no	no
	0.809	-54.848	179.609	90.609	58	no	no
N.min	0.808	-54.805	179.653	90.652	49	no	no
N.min	0.808	-54.762	179.696	90.695	41	no	no
	0.808	-54.684	179.774	90.773	56	no	no
N.min	0.808	-54.667	179.791	90.790	60	no	no
N.min	0.808	-54.652	179.806	90.805	50	no	no
N.min	0.808	-54.616	179.842	90.841	52	no	no
N.min	0.807	-54.421	180.037	91.036	53	no	no
	0.807	-54.399	180.059	91.058	49	no	no
N.min	0.807	-54.275	180.182	91.182	47	no	no
	0.806	-54.159	180.299	91.298	54	no	no
N.min	0.806	-54.057	180.401	91.400	41	no	no
	0.806	-54.022	180.436	91.435	50	no	no
	0.805	-53.883	180.575	91.574	44	no	no
	0.805	-53.707	180.751	91.750	50	no	no
N.min	0.804	-53.687	180.770	91.770	55	no	no
N.min	0.804	-53.568	180.890	91.889	42	no	no
	0.803	-53.335	181.123	92.122	55	no	no
	0.803	-53.240	181.218	92.217	48	no	no
N.min	0.803	-53.155	181.303	92.302	51	no	no
N.min	0.802	-52.997	181.461	92.460	54	no	no
N.min	0.802	-52.987	181.471	92.470	53	no	no
N.min	0.802	-52.909	181.549	92.548	46	no	no
	0.801	-52.736	181.722	92.721	48	no	no
N.min	0.800	-52.482	181.976	92.975	36	no	no
N.min	0.800	-52.471	181.987	92.986	54	no	no
	0.800	-52.333	182.125	93.124	53	no	no
N.min	0.799	-52.162	182.296	93.295	59	no	no
	0.798	-51.970	182.487	93.487	48	no	no
	0.798	-51.967	182.490	93.490	56	no	no
N.min	0.798	-51.806	182.652	93.651	54	no	no
N.min	0.797	-51.696	182.761	93.761	48	no	no
N.min	0.796	-51.295	183.163	94.162	53	no	no
N.min	0.795	-51.184	183.273	94.273	56	no	no
	0.795	-51.033	183.424	94.424	55	no	no
N.min	0.794	-50.814	183.644	94.643	54	no	no
N.min	0.793	-50.688	183.769	94.769	55	no	no
N.min	0.793	-50.500	183.958	94.957	50	no	no
N.min	0.793	-50.463	183.995	94.994	52	no	no
N.min	0.793	-50.445	184.013	95.012	45	no	no
N.min	0.792	-50.372	184.086	95.085	44	no	no
N.min	0.792	-50.352	184.106	95.105	58	no	no
N.min	0.791	-50.159	184.299	95.298	43	no	no
	0.790	-49.712	184.746	95.745	55	no	no
	0.788	-49.141	185.316	96.316	53	no	no
	0.787	-49.059	185.398	96.398	56	no	no
N.min	0.787	-49.019	185.438	96.438	65	no	no
N.min	0.787	-48.944	185.514	96.513	48	no	no

N.min	0.786	-48.728	185.730	96.729	43	no	no
N.min	0.786	-48.708	185.750	96.749	59	no	no
	0.786	-48.708	185.750	96.749	63	no	no
N.min	0.785	-48.448	186.010	97.009	52	no	no
N.min	0.785	-48.380	186.077	97.077	54	no	no
	0.784	-48.317	186.141	97.140	63	no	no
	0.783	-47.937	186.520	97.519	44	no	no
N.min	0.783	-47.922	186.536	97.535	60	no	no
	0.779	-46.875	187.583	98.582	51	no	no
N.min	0.778	-46.791	187.667	98.666	53	no	no
N.min	0.770	-44.853	189.605	100.604	47	no	no
N.min	0.769	-44.580	189.878	100.877	61	no	no
	0.768	-44.311	190.147	101.146	51	no	no
N.min	0.767	-43.947	190.511	101.510	48	no	no
N.min	0.767	-43.946	190.512	101.511	45	no	no
N.min	0.765	-43.620	190.838	101.837	46	no	no
N.min	0.765	-43.596	190.862	101.861	60	no	no
N.min	0.765	-43.504	190.954	101.953	47	no	no
N.min	0.762	-42.983	191.475	102.474	54	no	no
	0.761	-42.695	191.763	102.762	59	no	no
	0.759	-42.173	192.285	103.284	57	no	no
N.min	0.759	-42.139	192.319	103.318	55	no	no
N.min	0.758	-41.986	192.471	103.471	55	no	no
N.min	0.756	-41.571	192.886	103.886	55	no	no
	0.756	-41.503	192.955	103.954	62	no	no
N.min	0.755	-41.393	193.065	104.064	59	no	no
N.min	0.750	-40.078	194.380	105.379	55	no	no
N.min	0.749	-39.892	194.566	105.565	54	no	no
	0.747	-39.446	195.012	106.011	57	no	no
N.min	0.745	-39.061	195.397	106.396	50	no	no
N.min	0.744	-38.805	195.652	106.652	49	no	no
N.min	0.743	-38.679	195.778	106.778	54	no	no
	0.742	-38.486	195.972	106.971	61	no	no
N.min	0.741	-38.159	196.298	107.298	48	no	no
	0.733	-36.644	197.814	108.813	58	no	no
N.min	0.733	-36.482	197.976	108.975	56	no	no
N.min	0.730	-35.910	198.548	109.547	47	no	no
N.min	0.730	-35.872	198.586	109.585	49	no	no
	0.721	-34.234	200.224	111.223	51	no	no
	0.710	-32.049	202.409	113.408	57	no	no
N.min	0.707	-31.427	203.030	114.030	48	no	no
	0.704	-30.894	203.564	114.563	57	no	no
	0.702	-30.503	203.955	114.954	50	no	no
	0.694	-29.118	205.340	116.339	52	no	no
N.min	0.687	-27.744	206.713	117.713	50	no	no
	0.674	-25.665	208.793	119.792	58	no	no
	0.671	-25.135	209.323	120.322	50	no	no
	0.648	-21.383	213.075	124.074	52	no	no
	0.602	-14.644	219.813	130.812	53	no	no
N.min	0.955	-138.061	96.396	-	36	yes	no
	0.952	-134.646	99.812	3.415	32	no	no
	0.951	-133.581	100.877	4.480	39	no	no
	0.949	-131.982	102.475	6.079	41	no	no
	0.946	-128.618	105.840	9.443	41	no	no
	0.946	-128.545	105.913	9.517	34	no	no
	0.946	-128.401	106.057	9.661	40	no	no
	0.938	-120.477	113.981	17.585	34	no	no
N.min	0.935	-117.970	116.487	20.091	36	no	no
N.min	0.934	-117.329	117.129	20.732	37	no	no
	0.934	-117.148	117.310	20.914	35	no	no
	0.933	-116.540	117.918	21.522	32	no	no
N.min	0.929	-113.717	120.741	24.344	38	no	no
N.min	0.928	-112.820	121.637	25.241	37	no	no

	0.928	-112.558	121.900	25.503	33	no	no
N.min	0.928	-112.548	121.909	25.513	36	no	no
	0.928	-112.442	122.016	25.620	35	no	no
	0.928	-112.271	122.187	25.790	34	no	no
N.min	0.927	-112.063	122.395	25.998	37	no	no
N.min	0.927	-111.848	122.610	26.213	37	no	no
N.min	0.926	-111.285	123.173	26.777	32	no	no
	0.926	-110.929	123.528	27.132	32	no	no
	0.925	-110.697	123.761	27.364	39	no	no
N.min	0.925	-110.321	124.136	27.740	32	no	no
N.min	0.925	-110.299	124.159	27.762	43	no	no
N.min	0.924	-109.923	124.535	28.138	43	no	no
	0.924	-109.859	124.599	28.202	41	no	no
	0.924	-109.767	124.690	28.294	42	no	no
	0.923	-109.248	125.209	28.813	32	no	no
	0.923	-109.235	125.223	28.827	42	no	no
N.min	0.923	-109.194	125.264	28.867	34	no	no
N.min	0.923	-109.173	125.285	28.889	35	no	no
	0.923	-109.029	125.429	29.033	34	no	no
	0.923	-108.771	125.687	29.290	41	no	no
	0.923	-108.608	125.849	29.453	39	no	no
	0.922	-108.577	125.881	29.485	35	no	no
N.min	0.922	-108.526	125.932	29.536	36	no	no
	0.922	-108.138	126.319	29.923	35	no	no
N.min	0.922	-108.087	126.371	29.974	36	no	no
	0.921	-107.826	126.632	30.235	30	no	no
N.min	0.921	-107.789	126.669	30.273	29	no	no
N.min	0.921	-107.663	126.794	30.398	35	no	no
N.min	0.921	-107.524	126.934	30.537	30	no	no
N.min	0.921	-107.341	127.117	30.721	44	no	no
N.min	0.920	-107.171	127.287	30.891	32	no	no
	0.920	-107.037	127.421	31.024	40	no	no
	0.920	-106.825	127.633	31.236	41	no	no
N.min	0.920	-106.664	127.794	31.397	44	no	no
N.min	0.920	-106.649	127.808	31.412	36	no	no
	0.920	-106.589	127.869	31.473	34	no	no
	0.920	-106.520	127.938	31.542	40	no	no
N.min	0.919	-106.487	127.971	31.574	39	no	no
N.min	0.919	-106.414	128.044	31.647	42	no	no
N.min	0.919	-106.324	128.134	31.737	38	no	no
	0.919	-106.112	128.346	31.949	41	no	no
	0.919	-106.031	128.426	32.030	36	no	no
	0.919	-106.019	128.439	32.042	40	no	no
	0.919	-105.992	128.466	32.069	41	no	no
	0.918	-105.337	129.121	32.724	40	no	no
	0.918	-105.259	129.199	32.802	39	no	no
	0.918	-105.250	129.208	32.812	39	no	no
N.min	0.918	-105.227	129.231	32.835	44	no	no
N.min	0.917	-105.142	129.315	32.919	37	no	no
	0.917	-105.093	129.365	32.969	40	no	no
N.min	0.917	-105.088	129.369	32.973	41	no	no
	0.917	-105.053	129.405	33.008	35	no	no
N.min	0.917	-105.026	129.432	33.035	39	no	no
	0.917	-104.983	129.475	33.079	34	no	no
	0.916	-104.367	130.091	33.694	42	no	no
N.min	0.916	-104.353	130.104	33.708	42	no	no
N.min	0.916	-104.346	130.112	33.715	39	no	no
	0.916	-104.313	130.144	33.748	43	no	no
	0.916	-104.142	130.316	33.920	35	no	no
N.min	0.916	-104.110	130.348	33.952	34	no	no
N.min	0.915	-103.825	130.632	34.236	31	no	no
	0.915	-103.684	130.774	34.377	41	no	no
	0.915	-103.673	130.784	34.388	30	no	no

N.min	0.915	-103.670	130.788	34.392	39	no	no
N.min	0.915	-103.610	130.847	34.451	38	no	no
	0.915	-103.452	131.006	34.610	40	no	no
N.min	0.915	-103.364	131.094	34.697	32	no	no
N.min	0.915	-103.290	131.168	34.771	37	no	no
N.min	0.914	-103.187	131.271	34.875	34	no	no
N.min	0.914	-103.142	131.315	34.919	44	no	no
	0.914	-103.083	131.375	34.979	35	no	no
	0.914	-103.023	131.435	35.038	37	no	no
	0.914	-102.911	131.546	35.150	36	no	no
N.min	0.914	-102.751	131.707	35.310	30	no	no
N.min	0.914	-102.596	131.861	35.465	37	no	no
	0.913	-102.545	131.912	35.516	41	no	no
	0.913	-102.528	131.929	35.533	33	no	no
	0.913	-102.438	132.020	35.623	40	no	no
N.min	0.913	-102.409	132.049	35.652	37	no	no
N.min	0.913	-102.070	132.388	35.991	35	no	no
	0.912	-101.859	132.599	36.203	34	no	no
N.min	0.912	-101.747	132.711	36.314	37	no	no
	0.912	-101.733	132.725	36.329	41	no	no
N.min	0.912	-101.702	132.755	36.359	36	no	no
	0.912	-101.608	132.849	36.453	41	no	no
N.min	0.912	-101.585	132.873	36.477	43	no	no
	0.912	-101.461	132.997	36.600	40	no	no
	0.912	-101.439	133.019	36.622	32	no	no
N.min	0.912	-101.362	133.095	36.699	42	no	no
	0.911	-101.221	133.237	36.840	40	no	no
	0.911	-101.131	133.327	36.930	39	no	no
	0.911	-101.091	133.366	36.970	46	no	no
N.min	0.911	-100.987	133.470	37.074	38	no	no
	0.911	-100.912	133.546	37.150	40	no	no
	0.911	-100.854	133.603	37.207	39	no	no
N.min	0.911	-100.828	133.630	37.234	43	no	no
N.min	0.911	-100.754	133.704	37.308	33	no	no
	0.910	-100.661	133.797	37.400	47	no	no
N.min	0.910	-100.455	134.003	37.606	37	no	no
	0.910	-100.396	134.062	37.666	28	no	no
	0.910	-100.297	134.160	37.764	48	no	no
	0.910	-100.221	134.237	37.841	48	no	no
	0.910	-100.089	134.369	37.972	35	no	no
	0.909	-99.992	134.466	38.069	39	no	no
N.min	0.909	-99.989	134.468	38.072	42	no	no
	0.909	-99.867	134.590	38.194	37	no	no
N.min	0.909	-99.852	134.606	38.210	37	no	no
N.min	0.909	-99.734	134.724	38.327	45	no	no
	0.909	-99.707	134.750	38.354	34	no	no
	0.909	-99.495	134.963	38.567	38	no	no
	0.908	-99.262	135.196	38.799	35	no	no
N.min	0.908	-99.258	135.200	38.804	43	no	no
	0.908	-99.237	135.220	38.824	36	no	no
	0.908	-99.166	135.292	38.896	35	no	no
	0.908	-99.125	135.333	38.936	34	no	no
N.min	0.908	-99.075	135.382	38.986	43	no	no
N.min	0.908	-99.017	135.441	39.044	39	no	no
	0.908	-99.006	135.452	39.055	48	no	no
	0.908	-98.998	135.460	39.064	33	no	no
	0.908	-98.897	135.561	39.164	27	no	no
	0.908	-98.891	135.567	39.171	38	no	no
N.min	0.908	-98.884	135.573	39.177	44	no	no
	0.907	-98.853	135.604	39.208	48	no	no
	0.907	-98.784	135.673	39.277	34	no	no
N.min	0.907	-98.752	135.705	39.309	38	no	no
N.min	0.907	-98.726	135.732	39.336	37	no	no



	0.907	-98.608	135.849	39.453	42	no	no
N.min	0.907	-98.566	135.892	39.496	44	no	no
N.min	0.907	-98.527	135.930	39.534	38	no	no
	0.907	-98.526	135.932	39.536	41	no	no
N.min	0.907	-98.502	135.955	39.559	37	no	no
	0.907	-98.452	136.005	39.609	43	no	no
N.min	0.907	-98.307	136.150	39.754	42	no	no
	0.907	-98.282	136.176	39.780	39	no	no
N.min	0.906	-98.263	136.195	39.799	32	no	no
N.min	0.906	-98.210	136.247	39.851	36	no	no
	0.906	-98.201	136.256	39.860	41	no	no
N.min	0.906	-98.137	136.321	39.925	44	no	no
	0.906	-98.125	136.333	39.937	39	no	no
	0.906	-98.079	136.379	39.982	40	no	no
	0.906	-98.074	136.384	39.988	37	no	no
N.min	0.906	-97.913	136.545	40.149	39	no	no
	0.906	-97.884	136.574	40.178	47	no	no
	0.906	-97.876	136.582	40.185	49	no	no
N.min	0.906	-97.863	136.594	40.198	46	no	no
	0.906	-97.858	136.600	40.203	43	no	no
N.min	0.906	-97.732	136.726	40.329	38	no	no
	0.906	-97.720	136.738	40.341	42	no	no
N.min	0.905	-97.640	136.818	40.422	35	no	no
	0.905	-97.616	136.842	40.446	39	no	no
	0.905	-97.542	136.916	40.520	42	no	no
N.min	0.905	-97.436	137.022	40.626	37	no	no
	0.905	-97.413	137.044	40.648	35	no	no
N.min	0.905	-97.172	137.286	40.889	29	no	no
	0.904	-97.096	137.362	40.966	42	no	no
	0.904	-97.015	137.443	41.047	49	no	no
	0.904	-97.000	137.458	41.062	46	no	no
N.min	0.904	-96.956	137.502	41.105	38	no	no
	0.904	-96.868	137.590	41.193	33	no	no
	0.904	-96.834	137.624	41.228	44	no	no
N.min	0.904	-96.830	137.627	41.231	39	no	no
	0.904	-96.819	137.639	41.243	37	no	no
	0.904	-96.809	137.649	41.253	40	no	no
N.min	0.904	-96.791	137.666	41.270	43	no	no
N.min	0.904	-96.683	137.774	41.378	36	no	no
	0.904	-96.558	137.899	41.503	34	no	no
	0.903	-96.455	138.003	41.607	46	no	no
N.min	0.903	-96.448	138.010	41.614	39	no	no
	0.903	-96.435	138.022	41.626	40	no	no
	0.903	-96.422	138.036	41.640	47	no	no
	0.903	-96.339	138.119	41.723	36	no	no
	0.903	-96.337	138.121	41.724	41	no	no
N.min	0.903	-96.304	138.154	41.758	35	no	no
N.min	0.903	-96.229	138.228	41.832	43	no	no
N.min	0.903	-96.192	138.265	41.869	44	no	no
	0.903	-96.152	138.306	41.909	37	no	no
	0.903	-96.133	138.325	41.928	42	no	no
	0.903	-96.049	138.409	42.013	41	no	no
	0.903	-96.010	138.447	42.051	44	no	no
	0.902	-95.970	138.488	42.091	41	no	no
N.min	0.902	-95.892	138.566	42.169	40	no	no
	0.902	-95.865	138.593	42.196	27	no	no
	0.902	-95.831	138.626	42.230	39	no	no
	0.902	-95.796	138.662	42.266	40	no	no
	0.902	-95.621	138.837	42.441	29	no	no
	0.902	-95.620	138.838	42.441	38	no	no
	0.902	-95.547	138.911	42.514	42	no	no
	0.901	-95.303	139.155	42.758	37	no	no
N.min	0.901	-95.212	139.246	42.849	29	no	no

	0.901	-95.111	139.347	42.950	42	no	no
	0.901	-95.019	139.439	43.042	46	no	no
	0.900	-94.842	139.616	43.219	47	no	no
	0.900	-94.798	139.660	43.263	36	no	no
	0.900	-94.797	139.661	43.264	40	no	no
N.min	0.900	-94.781	139.677	43.281	43	no	no
	0.900	-94.751	139.706	43.310	45	no	no
	0.900	-94.729	139.729	43.333	42	no	no
	0.900	-94.720	139.738	43.342	39	no	no
	0.900	-94.699	139.759	43.362	34	no	no
N.min	0.900	-94.674	139.784	43.387	32	no	no
N.min	0.900	-94.637	139.821	43.425	34	no	no
	0.900	-94.620	139.838	43.442	41	no	no
N.min	0.900	-94.612	139.846	43.449	44	no	no
	0.900	-94.531	139.926	43.530	35	no	no
	0.900	-94.484	139.973	43.577	38	no	no
N.min	0.900	-94.484	139.974	43.577	45	no	no
N.min	0.900	-94.471	139.987	43.591	41	no	no
N.min	0.900	-94.429	140.029	43.632	43	no	no
	0.900	-94.428	140.029	43.633	36	no	no
	0.900	-94.378	140.080	43.684	42	no	no
N.min	0.899	-94.261	140.196	43.800	42	no	no
	0.899	-94.206	140.252	43.856	34	no	no
N.min	0.899	-94.185	140.273	43.877	43	no	no
	0.899	-94.157	140.301	43.904	39	no	no
	0.899	-94.155	140.302	43.906	35	no	no
	0.899	-94.119	140.339	43.942	35	no	no
N.min	0.899	-94.115	140.343	43.946	39	no	no
N.min	0.899	-94.048	140.410	44.013	42	no	no
N.min	0.899	-94.041	140.417	44.020	37	no	no
	0.899	-94.035	140.422	44.026	33	no	no
N.min	0.899	-94.035	140.423	44.026	36	no	no
N.min	0.899	-93.938	140.520	44.124	37	no	no
	0.899	-93.899	140.559	44.162	47	no	no
N.min	0.898	-93.750	140.708	44.311	42	no	no
N.min	0.898	-93.740	140.717	44.321	43	no	no
	0.898	-93.650	140.808	44.411	40	no	no
N.min	0.898	-93.618	140.839	44.443	36	no	no
	0.898	-93.614	140.844	44.448	34	no	no
	0.898	-93.547	140.911	44.515	36	no	no
N.min	0.898	-93.514	140.943	44.547	44	no	no
	0.898	-93.487	140.971	44.575	37	no	no
	0.898	-93.486	140.972	44.576	33	no	no
N.min	0.898	-93.476	140.982	44.585	36	no	no
	0.898	-93.467	140.991	44.595	41	no	no
N.min	0.898	-93.312	141.146	44.750	43	no	no
N.min	0.898	-93.227	141.231	44.834	43	no	no
	0.897	-93.206	141.252	44.855	48	no	no
	0.897	-93.185	141.272	44.876	30	no	no
N.min	0.897	-93.141	141.317	44.921	33	no	no
N.min	0.897	-92.951	141.507	45.110	29	no	no
N.min	0.897	-92.950	141.508	45.111	43	no	no
N.min	0.897	-92.891	141.567	45.170	34	no	no
N.min	0.897	-92.869	141.589	45.192	42	no	no
N.min	0.897	-92.844	141.613	45.217	31	no	no
	0.897	-92.715	141.742	45.346	36	no	no
	0.896	-92.578	141.879	45.483	36	no	no
N.min	0.896	-92.506	141.952	45.556	38	no	no
N.min	0.896	-92.493	141.965	45.569	36	no	no
N.min	0.896	-92.420	142.038	45.641	38	no	no
	0.896	-92.355	142.103	45.706	33	no	no
N.min	0.896	-92.297	142.160	45.764	44	no	no
	0.896	-92.286	142.172	45.775	34	no	no

N.min	0.896	-92.268	142.189	45.793	31	no	no
N.min	0.896	-92.242	142.216	45.820	35	no	no
	0.896	-92.228	142.229	45.833	47	no	no
	0.896	-92.199	142.258	45.862	41	no	no
N.min	0.896	-92.191	142.267	45.870	36	no	no
	0.895	-92.087	142.371	45.975	47	no	no
	0.895	-92.036	142.422	46.026	48	no	no
	0.895	-91.934	142.524	46.128	38	no	no
N.min	0.895	-91.901	142.557	46.161	29	no	no
N.min	0.895	-91.870	142.588	46.192	42	no	no
	0.895	-91.825	142.632	46.236	35	no	no
N.min	0.895	-91.815	142.642	46.246	40	no	no
N.min	0.895	-91.793	142.665	46.269	44	no	no
N.min	0.895	-91.670	142.787	46.391	35	no	no
	0.895	-91.655	142.803	46.407	43	no	no
N.min	0.894	-91.589	142.869	46.473	30	no	no
N.min	0.894	-91.573	142.884	46.488	37	no	no
	0.894	-91.486	142.972	46.576	42	no	no
N.min	0.894	-91.431	143.026	46.630	36	no	no
	0.894	-91.327	143.130	46.734	48	no	no
N.min	0.894	-91.268	143.190	46.793	30	no	no
N.min	0.894	-91.265	143.193	46.797	36	no	no
N.min	0.894	-91.221	143.237	46.840	30	no	no
	0.894	-91.178	143.280	46.884	36	no	no
	0.894	-91.157	143.301	46.905	34	no	no
N.min	0.893	-91.083	143.374	46.978	34	no	no
	0.893	-91.075	143.382	46.986	42	no	no
N.min	0.893	-90.789	143.669	47.273	41	no	no
N.min	0.893	-90.767	143.691	47.294	37	no	no
N.min	0.893	-90.743	143.715	47.319	37	no	no
N.min	0.892	-90.583	143.875	47.479	45	no	no
N.min	0.892	-90.545	143.913	47.517	35	no	no
	0.892	-90.509	143.948	47.552	43	no	no
N.min	0.892	-90.427	144.031	47.634	37	no	no
	0.892	-90.426	144.032	47.636	37	no	no
N.min	0.892	-90.402	144.056	47.659	36	no	no
N.min	0.892	-90.372	144.085	47.689	39	no	no
N.min	0.892	-90.187	144.271	47.875	44	no	no
	0.892	-90.142	144.316	47.919	40	no	no
	0.892	-90.135	144.322	47.926	42	no	no
N.min	0.891	-89.979	144.479	48.083	32	no	no
N.min	0.891	-89.843	144.615	48.219	30	no	no
	0.891	-89.837	144.621	48.225	42	no	no
N.min	0.891	-89.813	144.645	48.248	44	no	no
	0.891	-89.806	144.652	48.256	36	no	no
	0.891	-89.777	144.681	48.284	37	no	no
N.min	0.891	-89.744	144.714	48.317	37	no	no
	0.891	-89.628	144.830	48.433	36	no	no
N.min	0.890	-89.564	144.894	48.498	40	no	no
	0.890	-89.544	144.913	48.517	41	no	no
N.min	0.890	-89.543	144.915	48.518	42	no	no
N.min	0.890	-89.532	144.926	48.530	38	no	no
N.min	0.890	-89.499	144.959	48.562	31	no	no
	0.890	-89.458	145.000	48.603	40	no	no
	0.890	-89.417	145.041	48.645	35	no	no
	0.890	-89.389	145.069	48.673	41	no	no
	0.890	-89.153	145.305	48.908	36	no	no
	0.890	-89.095	145.363	48.966	35	no	no
N.min	0.889	-89.073	145.385	48.989	37	no	no
	0.889	-89.050	145.408	49.011	49	no	no
N.min	0.889	-88.875	145.583	49.186	38	no	no
	0.889	-88.762	145.695	49.299	43	no	no
N.min	0.889	-88.692	145.766	49.369	32	no	no

	0.889	-88.659	145.799	49.403	40	no	no
	0.889	-88.613	145.844	49.448	34	no	no
	0.889	-88.611	145.847	49.450	49	no	no
	0.888	-88.545	145.913	49.516	37	no	no
	0.888	-88.494	145.964	49.567	50	no	no
N.min	0.888	-88.490	145.968	49.572	45	no	no
	0.888	-88.457	146.000	49.604	40	no	no
	0.888	-88.448	146.010	49.613	39	no	no
	0.888	-88.425	146.033	49.636	42	no	no
	0.888	-88.424	146.034	49.637	41	no	no
N.min	0.888	-88.420	146.038	49.641	38	no	no
N.min	0.888	-88.249	146.208	49.812	39	no	no
N.min	0.888	-88.239	146.219	49.823	44	no	no
	0.888	-88.219	146.238	49.842	41	no	no
	0.888	-88.161	146.296	49.900	48	no	no
N.min	0.888	-88.118	146.339	49.943	35	no	no
N.min	0.888	-88.107	146.351	49.955	41	no	no
N.min	0.887	-88.102	146.356	49.960	34	no	no
N.min	0.887	-88.067	146.391	49.994	38	no	no
	0.887	-88.044	146.414	50.017	34	no	no
	0.887	-87.962	146.496	50.100	34	no	no
N.min	0.887	-87.954	146.504	50.108	36	no	no
	0.887	-87.892	146.565	50.169	32	no	no
	0.887	-87.835	146.623	50.227	40	no	no
N.min	0.887	-87.809	146.649	50.252	39	no	no
N.min	0.887	-87.725	146.732	50.336	35	no	no
N.min	0.887	-87.656	146.802	50.405	32	no	no
	0.887	-87.654	146.804	50.407	42	no	no
	0.887	-87.622	146.836	50.439	36	no	no
	0.886	-87.618	146.839	50.443	40	no	no
	0.886	-87.612	146.845	50.449	41	no	no
N.min	0.886	-87.611	146.847	50.450	38	no	no
	0.886	-87.584	146.873	50.477	42	no	no
	0.886	-87.535	146.923	50.526	41	no	no
N.min	0.886	-87.463	146.995	50.599	30	no	no
N.min	0.886	-87.427	147.031	50.635	38	no	no
N.min	0.886	-87.410	147.047	50.651	39	no	no
N.min	0.886	-87.401	147.057	50.661	38	no	no
	0.886	-87.343	147.114	50.718	47	no	no
N.min	0.886	-87.343	147.115	50.718	32	no	no
N.min	0.886	-87.308	147.150	50.754	39	no	no
N.min	0.886	-87.277	147.181	50.785	39	no	no
N.min	0.886	-87.275	147.183	50.786	42	no	no
N.min	0.886	-87.233	147.224	50.828	36	no	no
	0.886	-87.187	147.271	50.874	37	no	no
	0.886	-87.164	147.294	50.897	42	no	no
	0.885	-87.070	147.388	50.991	37	no	no
	0.885	-87.044	147.414	51.017	42	no	no
N.min	0.885	-86.971	147.486	51.090	33	no	no
N.min	0.885	-86.942	147.515	51.119	37	no	no
N.min	0.885	-86.869	147.588	51.192	25	no	no
N.min	0.885	-86.863	147.595	51.199	44	no	no
	0.885	-86.862	147.596	51.199	41	no	no
	0.885	-86.786	147.672	51.275	41	no	no
N.min	0.884	-86.654	147.803	51.407	37	no	no
	0.884	-86.647	147.811	51.414	41	no	no
N.min	0.884	-86.609	147.849	51.453	41	no	no
N.min	0.884	-86.590	147.868	51.472	30	no	no
	0.884	-86.577	147.881	51.485	46	no	no
	0.884	-86.569	147.889	51.492	48	no	no
N.min	0.884	-86.523	147.935	51.538	42	no	no
	0.884	-86.503	147.955	51.558	39	no	no
	0.884	-86.442	148.016	51.619	40	no	no

N.min	0.884	-86.375	148.083	51.687	41	no	no
	0.884	-86.356	148.102	51.705	37	no	no
N.min	0.884	-86.253	148.205	51.809	27	no	no
N.min	0.884	-86.248	148.210	51.814	32	no	no
N.min	0.884	-86.223	148.235	51.838	31	no	no
N.min	0.883	-86.177	148.280	51.884	34	no	no
	0.883	-86.146	148.311	51.915	38	no	no
N.min	0.883	-86.082	148.376	51.979	39	no	no
	0.883	-86.037	148.420	52.024	40	no	no
	0.883	-86.037	148.420	52.024	47	no	no
N.min	0.883	-85.928	148.529	52.133	34	no	no
N.min	0.883	-85.858	148.599	52.203	46	no	no
	0.883	-85.857	148.600	52.204	42	no	no
	0.883	-85.800	148.657	52.261	35	no	no
N.min	0.882	-85.701	148.756	52.360	41	no	no
N.min	0.882	-85.650	148.808	52.412	38	no	no
N.min	0.882	-85.627	148.831	52.435	41	no	no
N.min	0.882	-85.555	148.903	52.506	40	no	no
	0.882	-85.552	148.905	52.509	42	no	no
	0.882	-85.507	148.951	52.554	38	no	no
	0.882	-85.491	148.967	52.571	28	no	no
	0.882	-85.453	149.004	52.608	41	no	no
N.min	0.882	-85.412	149.045	52.649	44	no	no
	0.882	-85.373	149.084	52.688	47	no	no
N.min	0.882	-85.366	149.092	52.695	37	no	no
N.min	0.882	-85.298	149.160	52.764	40	no	no
	0.881	-85.209	149.248	52.852	44	no	no
	0.881	-85.157	149.301	52.905	37	no	no
N.min	0.881	-85.081	149.377	52.981	43	no	no
	0.881	-85.070	149.388	52.992	42	no	no
N.min	0.881	-84.954	149.504	53.108	44	no	no
	0.881	-84.905	149.552	53.156	35	no	no
N.min	0.881	-84.884	149.574	53.178	31	no	no
	0.881	-84.826	149.632	53.235	41	no	no
	0.881	-84.815	149.643	53.246	40	no	no
	0.880	-84.763	149.694	53.298	31	no	no
	0.880	-84.753	149.705	53.308	35	no	no
	0.880	-84.678	149.780	53.383	41	no	no
	0.880	-84.666	149.791	53.395	48	no	no
	0.880	-84.542	149.916	53.519	36	no	no
	0.880	-84.534	149.923	53.527	42	no	no
N.min	0.880	-84.483	149.975	53.579	43	no	no
	0.880	-84.481	149.977	53.581	41	no	no
N.min	0.880	-84.462	149.996	53.600	38	no	no
N.min	0.880	-84.342	150.116	53.719	39	no	no
N.min	0.879	-84.314	150.144	53.747	46	no	no
N.min	0.879	-84.298	150.159	53.763	44	no	no
	0.879	-84.288	150.169	53.773	41	no	no
	0.879	-84.288	150.170	53.774	40	no	no
N.min	0.879	-84.285	150.173	53.777	37	no	no
N.min	0.879	-84.260	150.198	53.802	38	no	no
N.min	0.879	-84.194	150.263	53.867	40	no	no
N.min	0.879	-84.162	150.296	53.900	30	no	no
N.min	0.879	-84.134	150.324	53.927	37	no	no
	0.879	-84.124	150.334	53.937	43	no	no
N.min	0.879	-84.091	150.367	53.970	38	no	no
N.min	0.879	-84.067	150.391	53.994	36	no	no
N.min	0.879	-84.066	150.392	53.995	45	no	no
	0.879	-83.975	150.483	54.086	36	no	no
	0.879	-83.904	150.554	54.157	44	no	no
N.min	0.879	-83.882	150.576	54.179	45	no	no
	0.879	-83.877	150.581	54.184	27	no	no
N.min	0.878	-83.755	150.703	54.306	40	no	no

	0.878	-83.724	150.734	54.337	41	no	no
N.min	0.878	-83.707	150.750	54.354	33	no	no
	0.878	-83.671	150.786	54.390	33	no	no
	0.878	-83.609	150.849	54.452	38	no	no
N.min	0.878	-83.502	150.956	54.559	46	no	no
	0.877	-83.409	151.049	54.652	34	no	no
N.min	0.877	-83.380	151.078	54.681	44	no	no
N.min	0.877	-83.336	151.121	54.725	45	no	no
N.min	0.877	-83.314	151.143	54.747	37	no	no
	0.877	-83.313	151.145	54.749	46	no	no
N.min	0.877	-83.296	151.161	54.765	44	no	no
N.min	0.877	-83.277	151.181	54.784	43	no	no
N.min	0.877	-83.257	151.201	54.804	43	no	no
	0.877	-83.230	151.228	54.832	37	no	no
	0.877	-83.204	151.253	54.857	39	no	no
N.min	0.877	-83.143	151.315	54.919	45	no	no
	0.877	-82.991	151.467	55.071	40	no	no
N.min	0.876	-82.940	151.518	55.121	37	no	no
	0.876	-82.907	151.551	55.155	42	no	no
N.min	0.876	-82.861	151.596	55.200	38	no	no
	0.876	-82.770	151.688	55.291	45	no	no
N.min	0.876	-82.755	151.703	55.306	41	no	no
	0.876	-82.729	151.728	55.332	45	no	no
	0.876	-82.729	151.729	55.332	43	no	no
	0.876	-82.704	151.754	55.357	32	no	no
	0.876	-82.643	151.815	55.419	41	no	no
N.min	0.876	-82.642	151.815	55.419	38	no	no
	0.876	-82.642	151.816	55.420	41	no	no
N.min	0.876	-82.640	151.818	55.422	34	no	no
N.min	0.876	-82.637	151.821	55.424	39	no	no
	0.876	-82.623	151.835	55.439	39	no	no
	0.876	-82.620	151.838	55.441	44	no	no
	0.876	-82.580	151.878	55.482	41	no	no
	0.876	-82.566	151.891	55.495	43	no	no
N.min	0.875	-82.475	151.983	55.586	41	no	no
N.min	0.875	-82.473	151.985	55.588	45	no	no
N.min	0.875	-82.443	152.015	55.619	38	no	no
	0.875	-82.442	152.016	55.620	35	no	no
N.min	0.875	-82.346	152.111	55.715	37	no	no
	0.875	-82.342	152.115	55.719	39	no	no
N.min	0.875	-82.313	152.144	55.748	37	no	no
N.min	0.875	-82.220	152.238	55.841	42	no	no
N.min	0.874	-82.075	152.383	55.986	36	no	no
N.min	0.874	-81.962	152.496	56.100	50	no	no
N.min	0.874	-81.952	152.506	56.109	45	no	no
	0.874	-81.927	152.530	56.134	43	no	no
N.min	0.874	-81.905	152.553	56.156	37	no	no
N.min	0.874	-81.852	152.606	56.209	37	no	no
	0.874	-81.831	152.626	56.230	33	no	no
N.min	0.874	-81.828	152.630	56.234	32	no	no
N.min	0.874	-81.734	152.724	56.327	37	no	no
N.min	0.874	-81.705	152.752	56.356	40	no	no
N.min	0.874	-81.661	152.797	56.400	33	no	no
N.min	0.873	-81.632	152.826	56.430	39	no	no
N.min	0.873	-81.630	152.828	56.431	38	no	no
N.min	0.873	-81.617	152.841	56.445	38	no	no
	0.873	-81.610	152.848	56.451	43	no	no
N.min	0.873	-81.583	152.875	56.479	39	no	no
N.min	0.873	-81.577	152.881	56.484	44	no	no
N.min	0.873	-81.523	152.935	56.539	46	no	no
	0.873	-81.438	153.020	56.623	41	no	no
N.min	0.873	-81.425	153.032	56.636	46	no	no
N.min	0.873	-81.400	153.058	56.661	42	no	no

N.min	0.873	-81.391	153.066	56.670	38	no	no
N.min	0.873	-81.390	153.067	56.671	44	no	no
N.min	0.873	-81.367	153.091	56.694	43	no	no
N.min	0.873	-81.351	153.106	56.710	39	no	no
	0.873	-81.300	153.158	56.761	42	no	no
	0.873	-81.268	153.190	56.794	48	no	no
N.min	0.873	-81.247	153.211	56.815	41	no	no
N.min	0.873	-81.230	153.228	56.831	40	no	no
N.min	0.872	-81.212	153.246	56.849	38	no	no
	0.872	-81.200	153.258	56.861	43	no	no
	0.872	-81.164	153.294	56.898	48	no	no
N.min	0.872	-81.161	153.297	56.901	42	no	no
	0.872	-81.155	153.303	56.906	47	no	no
	0.872	-81.086	153.372	56.975	44	no	no
N.min	0.872	-81.057	153.400	57.004	39	no	no
	0.872	-80.996	153.462	57.066	40	no	no
	0.872	-80.960	153.497	57.101	36	no	no
N.min	0.872	-80.959	153.499	57.103	38	no	no
N.min	0.872	-80.952	153.505	57.109	39	no	no
N.min	0.872	-80.880	153.578	57.182	46	no	no
	0.872	-80.865	153.593	57.196	35	no	no
N.min	0.872	-80.824	153.634	57.238	39	no	no
N.min	0.872	-80.818	153.640	57.244	43	no	no
	0.872	-80.806	153.651	57.255	42	no	no
	0.871	-80.761	153.697	57.301	43	no	no
	0.871	-80.724	153.733	57.337	37	no	no
N.min	0.871	-80.669	153.789	57.393	44	no	no
N.min	0.871	-80.635	153.822	57.426	38	no	no
N.min	0.871	-80.623	153.835	57.439	32	no	no
N.min	0.871	-80.620	153.838	57.441	50	no	no
	0.871	-80.577	153.880	57.484	36	no	no
N.min	0.871	-80.568	153.889	57.493	45	no	no
N.min	0.871	-80.563	153.894	57.498	34	no	no
N.min	0.871	-80.554	153.904	57.508	37	no	no
N.min	0.871	-80.540	153.918	57.521	40	no	no
N.min	0.871	-80.536	153.922	57.526	44	no	no
	0.871	-80.513	153.945	57.549	36	no	no
	0.871	-80.488	153.970	57.573	43	no	no
N.min	0.871	-80.485	153.973	57.577	35	no	no
N.min	0.871	-80.455	154.003	57.607	31	no	no
N.min	0.871	-80.433	154.024	57.628	39	no	no
N.min	0.870	-80.335	154.122	57.726	44	no	no
N.min	0.870	-80.326	154.132	57.736	44	no	no
N.min	0.870	-80.279	154.178	57.782	46	no	no
	0.870	-80.274	154.184	57.788	34	no	no
N.min	0.870	-80.273	154.185	57.789	42	no	no
N.min	0.870	-80.269	154.189	57.792	45	no	no
N.min	0.870	-80.269	154.189	57.792	38	no	no
N.min	0.870	-80.253	154.205	57.808	46	no	no
N.min	0.870	-80.250	154.208	57.811	38	no	no
	0.870	-80.210	154.248	57.852	34	no	no
N.min	0.870	-80.174	154.283	57.887	30	no	no
N.min	0.870	-80.141	154.316	57.920	32	no	no
N.min	0.870	-80.105	154.353	57.956	46	no	no
N.min	0.870	-80.076	154.381	57.985	39	no	no
	0.870	-80.075	154.383	57.987	42	no	no
	0.870	-80.063	154.395	57.999	42	no	no
	0.870	-80.062	154.396	58.000	37	no	no
N.min	0.870	-79.998	154.460	58.064	50	no	no
	0.869	-79.941	154.516	58.120	34	no	no
N.min	0.869	-79.940	154.518	58.121	41	no	no
	0.869	-79.839	154.619	58.222	28	no	no
	0.869	-79.834	154.624	58.227	43	no	no



N.min	0.869	-79.794	154.664	58.267	38	no	no
N.min	0.869	-79.690	154.768	58.371	37	no	no
N.min	0.869	-79.618	154.839	58.443	42	no	no
N.min	0.869	-79.581	154.877	58.481	37	no	no
	0.869	-79.544	154.913	58.517	42	no	no
N.min	0.868	-79.479	154.979	58.582	31	no	no
	0.868	-79.476	154.982	58.585	41	no	no
N.min	0.868	-79.475	154.983	58.586	37	no	no
	0.868	-79.459	154.999	58.602	35	no	no
	0.868	-79.446	155.011	58.615	35	no	no
N.min	0.868	-79.446	155.012	58.615	33	no	no
N.min	0.868	-79.445	155.013	58.616	44	no	no
	0.868	-79.425	155.033	58.636	35	no	no
N.min	0.868	-79.419	155.039	58.642	41	no	no
N.min	0.868	-79.413	155.045	58.649	40	no	no
N.min	0.868	-79.382	155.076	58.680	39	no	no
N.min	0.868	-79.363	155.095	58.698	40	no	no
N.min	0.868	-79.359	155.099	58.702	35	no	no
N.min	0.868	-79.356	155.102	58.706	34	no	no
N.min	0.868	-79.345	155.112	58.716	33	no	no
N.min	0.868	-79.343	155.115	58.718	37	no	no
	0.868	-79.204	155.254	58.858	41	no	no
N.min	0.868	-79.140	155.318	58.921	38	no	no
N.min	0.868	-79.139	155.319	58.923	36	no	no
N.min	0.868	-79.121	155.337	58.940	42	no	no
	0.867	-79.035	155.422	59.026	38	no	no
N.min	0.867	-79.028	155.430	59.034	37	no	no
N.min	0.867	-79.020	155.438	59.041	36	no	no
N.min	0.867	-79.009	155.449	59.052	36	no	no
	0.867	-78.982	155.476	59.080	36	no	no
N.min	0.867	-78.951	155.507	59.110	36	no	no
N.min	0.867	-78.908	155.550	59.153	38	no	no
N.min	0.867	-78.907	155.551	59.154	38	no	no
N.min	0.867	-78.845	155.612	59.216	39	no	no
	0.867	-78.827	155.631	59.234	39	no	no
N.min	0.867	-78.797	155.660	59.264	43	no	no
	0.867	-78.780	155.678	59.281	35	no	no
N.min	0.867	-78.752	155.706	59.310	40	no	no
N.min	0.866	-78.678	155.780	59.384	42	no	no
	0.866	-78.677	155.781	59.385	36	no	no
N.min	0.866	-78.658	155.799	59.403	43	no	no
N.min	0.866	-78.564	155.894	59.498	49	no	no
	0.866	-78.539	155.918	59.522	42	no	no
	0.866	-78.494	155.964	59.567	42	no	no
	0.866	-78.459	155.999	59.602	35	no	no
N.min	0.866	-78.395	156.063	59.667	45	no	no
	0.866	-78.361	156.097	59.700	40	no	no
	0.866	-78.309	156.148	59.752	29	no	no
N.min	0.865	-78.253	156.205	59.809	31	no	no
	0.865	-78.203	156.254	59.858	44	no	no
N.min	0.865	-78.141	156.317	59.920	39	no	no
N.min	0.865	-78.047	156.411	60.015	38	no	no
	0.865	-77.964	156.494	60.098	30	no	no
N.min	0.865	-77.953	156.504	60.108	48	no	no
	0.865	-77.944	156.514	60.118	36	no	no
N.min	0.865	-77.934	156.524	60.128	35	no	no
N.min	0.865	-77.920	156.538	60.141	32	no	no
N.min	0.864	-77.847	156.611	60.215	31	no	no
N.min	0.864	-77.800	156.657	60.261	40	no	no
N.min	0.864	-77.781	156.676	60.280	41	no	no
N.min	0.864	-77.771	156.687	60.291	50	no	no
N.min	0.864	-77.717	156.740	60.344	35	no	no
N.min	0.864	-77.697	156.761	60.364	37	no	no

N.min	0.864	-77.679	156.779	60.383	46	no	no
N.min	0.864	-77.605	156.852	60.456	44	no	no
N.min	0.864	-77.599	156.858	60.462	50	no	no
	0.864	-77.596	156.862	60.466	48	no	no
N.min	0.864	-77.592	156.865	60.469	52	no	no
	0.864	-77.590	156.868	60.472	38	no	no
	0.864	-77.489	156.969	60.572	42	no	no
N.min	0.864	-77.482	156.976	60.580	41	no	no
	0.863	-77.451	157.007	60.610	43	no	no
	0.863	-77.442	157.016	60.619	43	no	no
	0.863	-77.440	157.018	60.622	48	no	no
	0.863	-77.406	157.052	60.655	42	no	no
	0.863	-77.394	157.063	60.667	43	no	no
N.min	0.863	-77.376	157.082	60.686	44	no	no
N.min	0.863	-77.375	157.083	60.686	46	no	no
	0.863	-77.344	157.114	60.717	34	no	no
	0.863	-77.330	157.128	60.731	40	no	no
N.min	0.863	-77.311	157.146	60.750	40	no	no
N.min	0.863	-77.269	157.188	60.792	40	no	no
N.min	0.863	-77.269	157.189	60.793	47	no	no
N.min	0.863	-77.261	157.197	60.800	37	no	no
	0.863	-77.243	157.214	60.818	38	no	no
N.min	0.863	-77.227	157.231	60.835	50	no	no
N.min	0.863	-77.149	157.309	60.912	50	no	no
N.min	0.863	-77.086	157.372	60.975	44	no	no
N.min	0.862	-77.027	157.430	61.034	51	no	no
N.min	0.862	-77.014	157.444	61.048	45	no	no
N.min	0.862	-77.001	157.457	61.060	40	no	no
N.min	0.862	-76.983	157.475	61.078	51	no	no
N.min	0.862	-76.955	157.502	61.106	36	no	no
N.min	0.862	-76.947	157.511	61.115	38	no	no
N.min	0.862	-76.884	157.574	61.177	42	no	no
	0.862	-76.849	157.608	61.212	41	no	no
	0.862	-76.848	157.610	61.213	43	no	no
N.min	0.862	-76.840	157.618	61.221	29	no	no
	0.862	-76.831	157.627	61.230	46	no	no
	0.862	-76.816	157.641	61.245	36	no	no
	0.862	-76.769	157.689	61.292	50	no	no
	0.862	-76.756	157.701	61.305	39	no	no
N.min	0.862	-76.718	157.740	61.343	40	no	no
N.min	0.862	-76.713	157.744	61.348	43	no	no
N.min	0.862	-76.704	157.754	61.357	45	no	no
	0.862	-76.681	157.777	61.380	44	no	no
N.min	0.862	-76.676	157.782	61.385	38	no	no
	0.862	-76.673	157.784	61.388	43	no	no
N.min	0.861	-76.526	157.932	61.536	44	no	no
N.min	0.861	-76.524	157.934	61.538	45	no	no
N.min	0.861	-76.495	157.963	61.566	36	no	no
N.min	0.861	-76.487	157.971	61.575	42	no	no
N.min	0.861	-76.486	157.972	61.576	46	no	no
N.min	0.861	-76.468	157.989	61.593	38	no	no
N.min	0.861	-76.460	157.998	61.601	29	no	no
N.min	0.861	-76.398	158.060	61.664	41	no	no
	0.861	-76.396	158.062	61.665	49	no	no
	0.861	-76.351	158.107	61.710	44	no	no
	0.861	-76.344	158.114	61.718	42	no	no
	0.860	-76.226	158.232	61.836	40	no	no
N.min	0.860	-76.210	158.248	61.852	42	no	no
N.min	0.860	-76.192	158.265	61.869	36	no	no
N.min	0.860	-76.190	158.268	61.871	36	no	no
N.min	0.860	-76.189	158.268	61.872	39	no	no
N.min	0.860	-76.176	158.282	61.886	48	no	no
	0.860	-76.104	158.354	61.957	43	no	no

N.min	0.860	-76.054	158.404	62.008	46	no	no
	0.860	-76.042	158.416	62.020	43	no	no
	0.860	-76.030	158.428	62.032	34	no	no
N.min	0.860	-76.006	158.452	62.055	49	no	no
	0.860	-75.983	158.475	62.079	43	no	no
N.min	0.860	-75.956	158.502	62.106	43	no	no
	0.860	-75.952	158.506	62.110	45	no	no
	0.860	-75.903	158.555	62.159	42	no	no
N.min	0.859	-75.857	158.601	62.205	42	no	no
	0.859	-75.748	158.710	62.314	42	no	no
	0.859	-75.733	158.725	62.328	49	no	no
N.min	0.859	-75.727	158.731	62.334	33	no	no
N.min	0.859	-75.713	158.745	62.348	39	no	no
N.min	0.859	-75.696	158.762	62.365	35	no	no
N.min	0.859	-75.661	158.797	62.400	51	no	no
N.min	0.859	-75.627	158.831	62.435	46	no	no
N.min	0.859	-75.622	158.835	62.439	36	no	no
N.min	0.859	-75.605	158.852	62.456	48	no	no
	0.859	-75.595	158.863	62.466	40	no	no
	0.859	-75.511	158.947	62.550	41	no	no
N.min	0.858	-75.345	159.112	62.716	46	no	no
N.min	0.858	-75.338	159.119	62.723	51	no	no
	0.858	-75.299	159.159	62.762	43	no	no
N.min	0.858	-75.259	159.199	62.803	36	no	no
N.min	0.858	-75.223	159.235	62.838	47	no	no
N.min	0.858	-75.204	159.254	62.858	37	no	no
N.min	0.858	-75.193	159.265	62.868	45	no	no
N.min	0.858	-75.186	159.272	62.876	43	no	no
N.min	0.858	-75.173	159.284	62.888	50	no	no
	0.858	-75.171	159.286	62.890	41	no	no
N.min	0.858	-75.150	159.308	62.911	43	no	no
	0.858	-75.123	159.335	62.938	40	no	no
N.min	0.857	-74.989	159.469	63.073	49	no	no
N.min	0.857	-74.976	159.481	63.085	49	no	no
N.min	0.857	-74.956	159.502	63.105	29	no	no
N.min	0.857	-74.936	159.522	63.125	39	no	no
N.min	0.857	-74.934	159.524	63.128	46	no	no
N.min	0.857	-74.911	159.546	63.150	38	no	no
	0.857	-74.906	159.551	63.155	43	no	no
N.min	0.857	-74.868	159.590	63.193	45	no	no
	0.857	-74.838	159.620	63.223	42	no	no
	0.857	-74.755	159.702	63.306	44	no	no
	0.857	-74.742	159.716	63.320	41	no	no
N.min	0.856	-74.715	159.743	63.347	41	no	no
N.min	0.856	-74.701	159.756	63.360	37	no	no
N.min	0.856	-74.666	159.791	63.395	43	no	no
N.min	0.856	-74.643	159.815	63.419	31	no	no
	0.856	-74.625	159.833	63.437	34	no	no
N.min	0.856	-74.616	159.842	63.446	36	no	no
	0.856	-74.601	159.857	63.460	43	no	no
N.min	0.856	-74.562	159.896	63.500	38	no	no
N.min	0.856	-74.554	159.904	63.508	44	no	no
	0.856	-74.552	159.906	63.509	36	no	no
	0.856	-74.550	159.907	63.511	47	no	no
	0.856	-74.550	159.908	63.511	41	no	no
	0.856	-74.496	159.962	63.566	39	no	no
	0.856	-74.482	159.976	63.579	49	no	no
N.min	0.856	-74.481	159.977	63.581	41	no	no
	0.856	-74.451	160.007	63.610	48	no	no
N.min	0.855	-74.336	160.122	63.725	25	no	no
N.min	0.855	-74.329	160.129	63.732	49	no	no
N.min	0.855	-74.302	160.156	63.759	39	no	no
N.min	0.855	-74.301	160.157	63.761	43	no	no

	0.855	-74.297	160.161	63.764	39	no	no
N.min	0.855	-74.291	160.167	63.771	36	no	no
	0.855	-74.281	160.177	63.780	48	no	no
	0.855	-74.280	160.178	63.782	33	no	no
	0.855	-74.276	160.182	63.786	34	no	no
N.min	0.855	-74.275	160.183	63.787	45	no	no
N.min	0.855	-74.223	160.235	63.838	37	no	no
	0.855	-74.218	160.239	63.843	38	no	no
N.min	0.855	-74.218	160.240	63.844	31	no	no
	0.855	-74.207	160.251	63.854	44	no	no
N.min	0.855	-74.203	160.255	63.859	46	no	no
N.min	0.855	-74.163	160.294	63.898	29	no	no
N.min	0.855	-74.153	160.304	63.908	37	no	no
N.min	0.855	-74.148	160.310	63.914	39	no	no
	0.855	-74.117	160.340	63.944	48	no	no
N.min	0.855	-74.104	160.354	63.958	45	no	no
	0.855	-74.058	160.399	64.003	42	no	no
	0.855	-74.032	160.425	64.029	41	no	no
	0.855	-74.023	160.434	64.038	42	no	no
	0.855	-74.016	160.442	64.045	36	no	no
N.min	0.855	-74.010	160.448	64.051	39	no	no
N.min	0.855	-74.007	160.451	64.054	36	no	no
N.min	0.855	-73.989	160.469	64.073	48	no	no
	0.854	-73.942	160.515	64.119	44	no	no
N.min	0.854	-73.935	160.523	64.127	39	no	no
	0.854	-73.907	160.550	64.154	43	no	no
N.min	0.854	-73.905	160.553	64.156	45	no	no
	0.854	-73.889	160.569	64.172	47	no	no
N.min	0.854	-73.881	160.577	64.181	37	no	no
	0.854	-73.874	160.584	64.187	43	no	no
	0.854	-73.860	160.597	64.201	43	no	no
N.min	0.854	-73.845	160.613	64.216	45	no	no
	0.854	-73.828	160.629	64.233	47	no	no
	0.854	-73.808	160.650	64.254	42	no	no
	0.854	-73.795	160.662	64.266	46	no	no
	0.854	-73.786	160.671	64.275	46	no	no
N.min	0.854	-73.773	160.684	64.288	38	no	no
N.min	0.854	-73.756	160.702	64.305	40	no	no
N.min	0.854	-73.734	160.723	64.327	38	no	no
	0.854	-73.730	160.728	64.331	47	no	no
	0.854	-73.723	160.734	64.338	49	no	no
N.min	0.854	-73.717	160.741	64.344	37	no	no
N.min	0.854	-73.690	160.768	64.371	42	no	no
N.min	0.854	-73.682	160.776	64.379	49	no	no
N.min	0.854	-73.635	160.823	64.427	38	no	no
N.min	0.854	-73.619	160.839	64.443	43	no	no
N.min	0.854	-73.615	160.842	64.446	45	no	no
	0.853	-73.524	160.934	64.538	44	no	no
N.min	0.853	-73.510	160.948	64.551	36	no	no
	0.853	-73.504	160.954	64.558	46	no	no
	0.853	-73.444	161.014	64.618	39	no	no
N.min	0.853	-73.401	161.057	64.661	24	no	yes
N.min	0.853	-73.395	161.063	64.667	38	no	no
	0.853	-73.324	161.134	64.738	46	no	no
N.min	0.853	-73.296	161.162	64.766	45	no	no
N.min	0.853	-73.282	161.176	64.779	41	no	no
	0.853	-73.270	161.188	64.791	45	no	no
N.min	0.853	-73.249	161.209	64.812	37	no	no
N.min	0.853	-73.243	161.215	64.819	30	no	no
N.min	0.853	-73.241	161.217	64.820	38	no	no
N.min	0.853	-73.240	161.218	64.821	40	no	no
N.min	0.853	-73.214	161.244	64.848	32	no	no
	0.852	-73.177	161.281	64.885	42	no	no

N.min	0.852	-73.149	161.308	64.912	43	no	no
	0.852	-73.121	161.337	64.940	46	no	no
	0.852	-73.117	161.341	64.945	37	no	no
N.min	0.852	-73.067	161.390	64.994	45	no	no
	0.852	-73.045	161.413	65.017	32	no	no
N.min	0.852	-72.934	161.523	65.127	44	no	no
N.min	0.852	-72.920	161.538	65.141	42	no	no
N.min	0.852	-72.895	161.562	65.166	44	no	no
N.min	0.852	-72.887	161.571	65.175	43	no	no
	0.852	-72.862	161.596	65.199	42	no	no
	0.852	-72.858	161.599	65.203	35	no	no
N.min	0.851	-72.827	161.631	65.234	36	no	no
	0.851	-72.746	161.712	65.316	43	no	no
N.min	0.851	-72.676	161.781	65.385	35	no	no
N.min	0.851	-72.648	161.810	65.413	32	no	no
	0.851	-72.599	161.859	65.462	41	no	no
N.min	0.851	-72.587	161.870	65.474	35	no	no
N.min	0.851	-72.558	161.900	65.503	45	no	no
	0.851	-72.552	161.906	65.510	48	no	no
	0.851	-72.532	161.925	65.529	41	no	no
N.min	0.851	-72.500	161.958	65.562	43	no	no
	0.850	-72.463	161.995	65.598	44	no	no
	0.850	-72.459	161.999	65.602	33	no	no
N.min	0.850	-72.446	162.011	65.615	31	no	no
	0.850	-72.434	162.024	65.627	39	no	no
N.min	0.850	-72.428	162.030	65.634	47	no	no
N.min	0.850	-72.419	162.039	65.642	40	no	no
	0.850	-72.388	162.070	65.674	38	no	no
N.min	0.850	-72.383	162.075	65.678	36	no	no
	0.850	-72.363	162.095	65.698	42	no	no
	0.850	-72.342	162.116	65.719	43	no	no
N.min	0.850	-72.340	162.118	65.721	39	no	no
N.min	0.850	-72.332	162.126	65.730	31	no	no
N.min	0.850	-72.293	162.165	65.769	32	no	no
N.min	0.850	-72.289	162.169	65.773	43	no	no
N.min	0.850	-72.283	162.175	65.779	45	no	no
	0.850	-72.223	162.235	65.838	49	no	no
	0.850	-72.210	162.248	65.851	44	no	no
N.min	0.850	-72.170	162.287	65.891	31	no	no
N.min	0.850	-72.162	162.296	65.899	38	no	no
N.min	0.850	-72.107	162.350	65.954	46	no	no
N.min	0.850	-72.102	162.355	65.959	37	no	no
	0.849	-72.095	162.363	65.966	34	no	no
	0.849	-72.070	162.387	65.991	46	no	no
N.min	0.849	-72.070	162.388	65.991	25	no	no
N.min	0.849	-72.039	162.418	66.022	30	no	no
N.min	0.849	-72.025	162.432	66.036	38	no	no
	0.849	-71.950	162.508	66.112	40	no	no
	0.849	-71.940	162.518	66.122	50	no	no
N.min	0.849	-71.910	162.548	66.151	50	no	no
	0.849	-71.898	162.559	66.163	37	no	no
	0.849	-71.872	162.585	66.189	45	no	no
N.min	0.849	-71.862	162.596	66.200	39	no	no
N.min	0.849	-71.835	162.623	66.227	48	no	no
N.min	0.849	-71.804	162.654	66.258	35	no	no
N.min	0.849	-71.776	162.682	66.285	38	no	no
	0.849	-71.758	162.699	66.303	41	no	no
N.min	0.848	-71.733	162.725	66.328	44	no	no
	0.848	-71.727	162.731	66.334	44	no	no
N.min	0.848	-71.722	162.735	66.339	44	no	no
	0.848	-71.652	162.806	66.409	42	no	no
N.min	0.848	-71.598	162.860	66.464	37	no	no
N.min	0.848	-71.579	162.879	66.482	51	no	no

N.min	0.848	-71.577	162.881	66.484	43	no	no
N.min	0.848	-71.556	162.901	66.505	45	no	no
N.min	0.848	-71.539	162.919	66.523	34	no	no
N.min	0.848	-71.519	162.939	66.542	37	no	no
	0.848	-71.458	163.000	66.603	29	no	no
N.min	0.848	-71.415	163.043	66.646	39	no	no
	0.847	-71.304	163.154	66.758	41	no	no
N.min	0.847	-71.256	163.202	66.806	48	no	no
	0.847	-71.248	163.209	66.813	36	no	no
N.min	0.847	-71.185	163.272	66.876	37	no	no
	0.847	-71.162	163.296	66.899	43	no	no
	0.847	-71.130	163.328	66.931	37	no	no
	0.847	-71.128	163.329	66.933	39	no	no
	0.847	-71.083	163.374	66.978	38	no	no
	0.847	-71.065	163.393	66.996	47	no	no
	0.847	-71.056	163.402	67.006	46	no	no
N.min	0.847	-71.021	163.437	67.041	40	no	no
N.min	0.846	-70.981	163.477	67.080	38	no	no
	0.846	-70.970	163.488	67.091	43	no	no
	0.846	-70.960	163.497	67.101	42	no	no
	0.846	-70.930	163.528	67.131	45	no	no
	0.846	-70.929	163.528	67.132	40	no	no
N.min	0.846	-70.911	163.546	67.150	45	no	no
	0.846	-70.821	163.636	67.240	42	no	no
N.min	0.846	-70.814	163.644	67.248	44	no	no
	0.846	-70.780	163.678	67.282	42	no	no
N.min	0.845	-70.603	163.855	67.459	31	no	no
N.min	0.845	-70.597	163.861	67.464	36	no	no
N.min	0.845	-70.592	163.866	67.469	43	no	no
	0.845	-70.592	163.866	67.470	43	no	no
	0.845	-70.492	163.966	67.569	30	no	no
N.min	0.845	-70.476	163.982	67.585	36	no	no
N.min	0.845	-70.411	164.047	67.650	42	no	no
N.min	0.845	-70.347	164.110	67.714	45	no	no
	0.845	-70.309	164.148	67.752	36	no	no
	0.844	-70.281	164.177	67.780	44	no	no
	0.844	-70.279	164.179	67.783	48	no	no
	0.844	-70.209	164.249	67.852	38	no	no
	0.844	-70.205	164.253	67.857	40	no	no
N.min	0.844	-70.196	164.262	67.866	43	no	no
	0.844	-70.188	164.270	67.873	34	no	no
	0.844	-70.164	164.294	67.898	43	no	no
	0.844	-70.142	164.316	67.919	32	no	no
	0.844	-70.106	164.352	67.955	46	no	no
N.min	0.844	-70.085	164.373	67.976	34	no	no
N.min	0.844	-70.061	164.396	68.000	36	no	no
N.min	0.844	-70.019	164.439	68.042	44	no	no
N.min	0.844	-69.988	164.469	68.073	39	no	no
	0.843	-69.931	164.527	68.130	41	no	no
	0.843	-69.913	164.544	68.148	41	no	no
	0.843	-69.891	164.566	68.170	53	no	no
N.min	0.843	-69.883	164.575	68.178	36	no	no
N.min	0.843	-69.868	164.590	68.193	44	no	no
	0.843	-69.835	164.623	68.226	35	no	no
	0.843	-69.823	164.635	68.238	37	no	no
	0.843	-69.812	164.646	68.250	43	no	no
	0.843	-69.779	164.679	68.282	45	no	no
	0.843	-69.697	164.761	68.365	41	no	no
N.min	0.843	-69.696	164.761	68.365	32	no	no
	0.843	-69.672	164.786	68.390	40	no	no
N.min	0.843	-69.652	164.806	68.410	50	no	no
N.min	0.843	-69.645	164.813	68.417	46	no	no
	0.843	-69.636	164.822	68.425	47	no	no

N.min	0.842	-69.571	164.887	68.491	39	no	no
N.min	0.842	-69.550	164.908	68.512	44	no	no
	0.842	-69.541	164.916	68.520	42	no	no
N.min	0.842	-69.515	164.943	68.546	43	no	no
	0.842	-69.468	164.990	68.593	29	no	no
	0.842	-69.452	165.005	68.609	36	no	no
	0.842	-69.445	165.013	68.616	55	no	no
	0.842	-69.427	165.031	68.635	41	no	no
N.min	0.842	-69.391	165.067	68.670	49	no	no
N.min	0.842	-69.351	165.107	68.710	47	no	no
	0.842	-69.343	165.115	68.718	43	no	no
	0.842	-69.277	165.181	68.785	40	no	no
N.min	0.841	-69.231	165.226	68.830	45	no	no
N.min	0.841	-69.206	165.252	68.856	36	no	no
N.min	0.841	-69.204	165.253	68.857	32	no	no
N.min	0.841	-69.117	165.341	68.944	32	no	no
	0.841	-69.109	165.349	68.953	41	no	no
N.min	0.841	-69.097	165.361	68.965	38	no	no
	0.841	-69.077	165.381	68.985	43	no	no
	0.841	-69.032	165.426	69.029	49	no	no
N.min	0.841	-68.996	165.461	69.065	46	no	no
	0.841	-68.993	165.465	69.069	43	no	no
	0.841	-68.989	165.469	69.073	35	no	no
N.min	0.841	-68.959	165.499	69.102	49	no	no
	0.841	-68.925	165.533	69.136	41	no	no
N.min	0.840	-68.886	165.572	69.176	48	no	no
	0.840	-68.880	165.577	69.181	28	no	no
N.min	0.840	-68.832	165.626	69.230	50	no	no
	0.840	-68.777	165.680	69.284	45	no	no
	0.840	-68.773	165.685	69.288	51	no	no
	0.840	-68.765	165.692	69.296	39	no	no
	0.840	-68.694	165.764	69.368	54	no	no
	0.840	-68.685	165.773	69.376	46	no	no
	0.840	-68.676	165.781	69.385	36	no	no
	0.840	-68.676	165.782	69.386	39	no	no
	0.840	-68.627	165.831	69.434	46	no	no
N.min	0.840	-68.589	165.869	69.473	50	no	no
	0.840	-68.578	165.879	69.483	32	no	no
	0.840	-68.567	165.891	69.495	37	no	no
	0.839	-68.467	165.991	69.594	35	no	no
	0.839	-68.440	166.018	69.621	41	no	no
	0.839	-68.398	166.059	69.663	38	no	no
N.min	0.839	-68.373	166.084	69.688	41	no	no
	0.839	-68.365	166.092	69.696	48	no	no
N.min	0.839	-68.354	166.104	69.707	51	no	no
N.min	0.839	-68.348	166.109	69.713	42	no	no
	0.839	-68.257	166.201	69.804	36	no	no
	0.839	-68.227	166.231	69.834	50	no	no
	0.838	-68.142	166.315	69.919	44	no	no
N.min	0.838	-68.081	166.377	69.980	36	no	no
N.min	0.838	-68.073	166.385	69.988	39	no	no
	0.838	-68.064	166.394	69.997	48	no	no
N.min	0.838	-68.034	166.424	70.028	52	no	no
N.min	0.838	-68.005	166.453	70.057	41	no	no
	0.838	-67.998	166.459	70.063	49	no	no
N.min	0.838	-67.950	166.508	70.111	43	no	no
N.min	0.838	-67.943	166.514	70.118	45	no	no
	0.838	-67.916	166.542	70.146	47	no	no
	0.838	-67.909	166.549	70.153	35	no	no
N.min	0.837	-67.872	166.586	70.190	44	no	no
	0.837	-67.852	166.606	70.209	49	no	no
N.min	0.837	-67.851	166.607	70.211	41	no	no
N.min	0.837	-67.817	166.640	70.244	47	no	no



	0.837	-67.788	166.670	70.273	41	no	no
	0.837	-67.737	166.721	70.325	50	no	no
N.min	0.837	-67.737	166.721	70.325	46	no	no
N.min	0.837	-67.724	166.734	70.338	45	no	no
	0.837	-67.681	166.776	70.380	33	no	no
N.min	0.837	-67.622	166.835	70.439	44	no	no
	0.837	-67.622	166.836	70.440	51	no	no
N.min	0.837	-67.582	166.876	70.480	36	no	no
	0.837	-67.569	166.889	70.492	49	no	no
N.min	0.837	-67.568	166.890	70.493	42	no	no
	0.836	-67.414	167.044	70.648	45	no	no
	0.836	-67.410	167.048	70.651	45	no	no
	0.836	-67.354	167.104	70.708	44	no	no
	0.836	-67.291	167.166	70.770	41	no	no
	0.836	-67.225	167.233	70.837	43	no	no
N.min	0.835	-67.207	167.251	70.855	39	no	no
	0.835	-67.198	167.260	70.863	48	no	no
N.min	0.835	-67.190	167.267	70.871	43	no	no
	0.835	-67.090	167.368	70.972	46	no	no
	0.835	-67.069	167.388	70.992	42	no	no
N.min	0.835	-66.983	167.474	71.078	38	no	no
	0.835	-66.908	167.550	71.154	47	no	no
N.min	0.835	-66.886	167.572	71.176	35	no	no
N.min	0.834	-66.833	167.625	71.228	44	no	no
	0.834	-66.666	167.792	71.395	41	no	no
	0.834	-66.664	167.794	71.398	50	no	no
N.min	0.834	-66.591	167.866	71.470	43	no	no
N.min	0.834	-66.586	167.872	71.475	33	no	no
N.min	0.834	-66.584	167.874	71.477	46	no	no
N.min	0.833	-66.526	167.932	71.536	40	no	no
N.min	0.833	-66.354	168.104	71.707	46	no	no
N.min	0.833	-66.348	168.109	71.713	45	no	no
N.min	0.833	-66.330	168.128	71.732	42	no	no
N.min	0.833	-66.287	168.171	71.774	47	no	no
	0.833	-66.248	168.209	71.813	36	no	no
	0.833	-66.247	168.211	71.815	33	no	no
	0.833	-66.245	168.213	71.816	42	no	no
N.min	0.832	-66.156	168.302	71.906	45	no	no
N.min	0.832	-66.056	168.402	72.005	43	no	no
	0.832	-66.029	168.429	72.033	53	no	no
	0.832	-66.026	168.432	72.036	50	no	no
	0.832	-65.988	168.470	72.074	38	no	no
N.min	0.832	-65.893	168.565	72.168	52	no	no
N.min	0.831	-65.872	168.585	72.189	40	no	no
N.min	0.831	-65.852	168.606	72.210	43	no	no
	0.831	-65.697	168.761	72.365	40	no	no
	0.831	-65.680	168.778	72.382	39	no	no
N.min	0.831	-65.656	168.802	72.406	33	no	no
	0.831	-65.598	168.859	72.463	39	no	no
	0.830	-65.538	168.920	72.523	46	no	no
N.min	0.830	-65.513	168.945	72.548	34	no	no
	0.830	-65.453	169.005	72.609	49	no	no
	0.830	-65.426	169.032	72.636	39	no	no
N.min	0.830	-65.339	169.119	72.722	43	no	no
N.min	0.830	-65.329	169.129	72.732	47	no	no
N.min	0.830	-65.285	169.173	72.777	41	no	no
N.min	0.830	-65.280	169.177	72.781	42	no	no
	0.829	-65.192	169.265	72.869	42	no	no
	0.829	-65.153	169.304	72.908	45	no	no
	0.829	-65.118	169.340	72.943	40	no	no
	0.829	-65.039	169.419	73.023	40	no	no
N.min	0.829	-64.997	169.460	73.064	37	no	no
	0.828	-64.913	169.545	73.148	30	no	no

N.min	0.828	-64.806	169.652	73.255	32	no	no
	0.828	-64.806	169.652	73.256	43	no	no
N.min	0.828	-64.734	169.724	73.328	43	no	no
N.min	0.828	-64.705	169.753	73.357	37	no	no
N.min	0.828	-64.695	169.763	73.367	39	no	no
	0.827	-64.587	169.871	73.474	43	no	no
	0.827	-64.522	169.936	73.539	44	no	no
N.min	0.827	-64.493	169.965	73.569	38	no	no
N.min	0.827	-64.453	170.005	73.608	38	no	no
	0.827	-64.450	170.007	73.611	51	no	no
N.min	0.827	-64.444	170.014	73.618	31	no	no
	0.827	-64.437	170.021	73.625	40	no	no
	0.827	-64.436	170.022	73.626	42	no	no
	0.827	-64.375	170.083	73.687	44	no	no
N.min	0.827	-64.364	170.093	73.697	39	no	no
	0.826	-64.231	170.227	73.831	44	no	no
N.min	0.826	-64.180	170.278	73.881	33	no	no
N.min	0.826	-64.171	170.286	73.890	34	no	no
	0.826	-64.170	170.287	73.891	45	no	no
	0.826	-64.164	170.294	73.898	36	no	no
N.min	0.826	-64.157	170.301	73.905	45	no	no
N.min	0.826	-64.120	170.338	73.941	44	no	no
	0.826	-64.109	170.349	73.952	46	no	no
N.min	0.826	-64.088	170.370	73.973	40	no	no
N.min	0.826	-64.081	170.376	73.980	39	no	no
N.min	0.826	-64.057	170.400	74.004	38	no	no
N.min	0.826	-64.055	170.402	74.006	42	no	no
N.min	0.825	-63.914	170.544	74.147	42	no	no
N.min	0.825	-63.887	170.571	74.175	46	no	no
N.min	0.825	-63.838	170.619	74.223	45	no	no
	0.825	-63.773	170.685	74.288	55	no	no
N.min	0.825	-63.762	170.696	74.300	40	no	no
	0.825	-63.760	170.697	74.301	42	no	no
N.min	0.825	-63.695	170.763	74.367	37	no	no
N.min	0.825	-63.652	170.805	74.409	45	no	no
N.min	0.824	-63.639	170.819	74.422	38	no	no
N.min	0.824	-63.596	170.861	74.465	44	no	no
N.min	0.824	-63.557	170.900	74.504	32	no	no
	0.824	-63.542	170.916	74.519	47	no	no
N.min	0.824	-63.529	170.928	74.532	36	no	no
N.min	0.824	-63.518	170.939	74.543	45	no	no
	0.824	-63.482	170.975	74.579	29	no	no
N.min	0.824	-63.423	171.035	74.638	46	no	no
N.min	0.823	-63.152	171.306	74.909	45	no	no
	0.823	-63.114	171.344	74.947	48	no	no
	0.823	-63.061	171.396	75.000	41	no	no
N.min	0.822	-62.952	171.506	75.110	44	no	no
N.min	0.822	-62.931	171.527	75.131	38	no	no
N.min	0.822	-62.921	171.537	75.141	44	no	no
N.min	0.822	-62.920	171.538	75.141	41	no	no
	0.822	-62.882	171.576	75.180	34	no	no
	0.822	-62.854	171.604	75.208	46	no	no
	0.822	-62.833	171.625	75.228	37	no	no
N.min	0.822	-62.813	171.645	75.248	38	no	no
N.min	0.822	-62.806	171.652	75.256	40	no	no
N.min	0.822	-62.776	171.681	75.285	45	no	no
N.min	0.822	-62.733	171.725	75.328	30	no	no
N.min	0.822	-62.719	171.739	75.342	46	no	no
N.min	0.821	-62.657	171.801	75.404	35	no	no
N.min	0.821	-62.615	171.843	75.447	39	no	no
	0.821	-62.584	171.874	75.477	43	no	no
N.min	0.821	-62.567	171.890	75.494	35	no	no
N.min	0.821	-62.545	171.913	75.516	41	no	no

	0.821	-62.545	171.913	75.517	36	no	no
	0.821	-62.542	171.916	75.519	37	no	no
N.min	0.821	-62.485	171.973	75.576	41	no	no
	0.821	-62.418	172.039	75.643	40	no	no
	0.820	-62.404	172.053	75.657	47	no	no
N.min	0.820	-62.365	172.093	75.697	35	no	no
N.min	0.820	-62.310	172.148	75.752	42	no	no
N.min	0.820	-62.265	172.193	75.797	40	no	no
	0.820	-62.259	172.198	75.802	38	no	no
N.min	0.820	-62.132	172.326	75.930	44	no	no
	0.820	-62.121	172.337	75.940	49	no	no
	0.820	-62.116	172.342	75.945	49	no	no
	0.820	-62.106	172.352	75.956	48	no	no
	0.819	-62.100	172.357	75.961	48	no	no
N.min	0.819	-62.090	172.368	75.972	51	no	no
N.min	0.819	-62.087	172.371	75.974	43	no	no
N.min	0.819	-62.041	172.417	76.020	53	no	no
	0.819	-62.036	172.422	76.026	44	no	no
N.min	0.819	-62.024	172.433	76.037	51	no	no
	0.819	-62.002	172.456	76.059	45	no	no
N.min	0.819	-61.915	172.543	76.146	44	no	no
	0.819	-61.911	172.547	76.150	47	no	no
	0.819	-61.889	172.569	76.173	41	no	no
N.min	0.819	-61.852	172.605	76.209	43	no	no
	0.819	-61.838	172.620	76.223	34	no	no
N.min	0.819	-61.807	172.651	76.255	53	no	no
	0.818	-61.798	172.660	76.264	50	no	no
	0.818	-61.791	172.666	76.270	36	no	no
N.min	0.818	-61.769	172.689	76.293	49	no	no
	0.818	-61.699	172.758	76.362	44	no	no
	0.818	-61.682	172.776	76.380	49	no	no
	0.818	-61.671	172.787	76.391	44	no	no
N.min	0.818	-61.579	172.879	76.482	37	no	no
N.min	0.818	-61.548	172.910	76.513	48	no	no
N.min	0.818	-61.533	172.925	76.529	43	no	no
	0.817	-61.430	173.028	76.632	49	no	no
	0.817	-61.408	173.050	76.653	35	no	no
	0.817	-61.385	173.073	76.677	49	no	no
	0.817	-61.326	173.131	76.735	34	no	no
	0.817	-61.309	173.148	76.752	37	no	no
N.min	0.817	-61.291	173.167	76.771	48	no	no
	0.817	-61.211	173.247	76.851	44	no	no
	0.816	-61.188	173.269	76.873	48	no	no
N.min	0.816	-61.161	173.297	76.901	48	no	no
	0.816	-61.151	173.306	76.910	42	no	no
N.min	0.816	-61.026	173.432	77.035	47	no	no
N.min	0.816	-60.975	173.483	77.087	31	no	no
N.min	0.816	-60.937	173.521	77.124	38	no	no
	0.816	-60.909	173.549	77.153	40	no	no
	0.815	-60.894	173.564	77.167	50	no	no
N.min	0.815	-60.892	173.565	77.169	50	no	no
N.min	0.815	-60.870	173.588	77.191	44	no	no
	0.815	-60.853	173.605	77.208	50	no	no
N.min	0.815	-60.829	173.628	77.232	53	no	no
N.min	0.815	-60.781	173.676	77.280	47	no	no
N.min	0.815	-60.779	173.679	77.283	30	no	no
	0.815	-60.766	173.692	77.295	43	no	no
	0.815	-60.738	173.720	77.324	48	no	no
	0.815	-60.702	173.756	77.359	46	no	no
	0.814	-60.569	173.889	77.492	47	no	no
N.min	0.814	-60.505	173.953	77.557	42	no	no
N.min	0.814	-60.459	173.998	77.602	44	no	no
N.min	0.814	-60.399	174.059	77.662	38	no	no

	0.814	-60.380	174.078	77.681	38	no	no
N.min	0.814	-60.364	174.093	77.697	31	no	no
N.min	0.813	-60.304	174.154	77.758	39	no	no
N.min	0.813	-60.300	174.157	77.761	31	no	no
N.min	0.813	-60.299	174.158	77.762	45	no	no
N.min	0.813	-60.284	174.174	77.777	41	no	no
N.min	0.813	-60.206	174.252	77.856	42	no	no
N.min	0.813	-60.203	174.255	77.858	46	no	no
	0.813	-60.177	174.281	77.884	46	no	no
	0.813	-60.171	174.287	77.890	45	no	no
N.min	0.813	-60.041	174.417	78.021	38	no	no
N.min	0.812	-59.996	174.462	78.065	44	no	no
	0.812	-59.987	174.470	78.074	40	no	no
	0.812	-59.974	174.484	78.087	49	no	no
N.min	0.812	-59.928	174.530	78.134	44	no	no
	0.812	-59.904	174.554	78.157	48	no	no
N.min	0.812	-59.895	174.563	78.166	39	no	no
	0.812	-59.892	174.566	78.169	45	no	no
N.min	0.812	-59.872	174.586	78.190	46	no	no
	0.812	-59.850	174.608	78.211	33	no	no
	0.812	-59.835	174.623	78.226	48	no	no
	0.812	-59.812	174.646	78.249	40	no	no
N.min	0.812	-59.738	174.720	78.324	30	no	no
N.min	0.811	-59.702	174.755	78.359	43	no	no
N.min	0.811	-59.628	174.830	78.433	39	no	no
N.min	0.811	-59.622	174.836	78.440	37	no	no
	0.811	-59.617	174.840	78.444	42	no	no
	0.811	-59.615	174.843	78.447	40	no	no
	0.811	-59.579	174.879	78.482	44	no	no
	0.811	-59.477	174.981	78.585	44	no	no
N.min	0.811	-59.467	174.990	78.594	46	no	no
N.min	0.810	-59.424	175.033	78.637	49	no	no
N.min	0.810	-59.360	175.098	78.702	45	no	no
N.min	0.810	-59.339	175.119	78.722	32	no	no
	0.809	-58.974	175.484	79.088	39	no	no
N.min	0.809	-58.912	175.546	79.150	40	no	no
N.min	0.809	-58.906	175.551	79.155	41	no	no
N.min	0.809	-58.868	175.589	79.193	41	no	no
	0.809	-58.855	175.603	79.206	50	no	no
	0.808	-58.828	175.630	79.233	48	no	no
N.min	0.808	-58.824	175.634	79.238	37	no	no
N.min	0.808	-58.809	175.649	79.252	47	no	no
	0.808	-58.807	175.650	79.254	35	no	no
N.min	0.808	-58.764	175.693	79.297	47	no	no
N.min	0.808	-58.754	175.703	79.307	32	no	no
N.min	0.808	-58.753	175.705	79.308	43	no	no
N.min	0.808	-58.737	175.721	79.324	38	no	no
N.min	0.808	-58.714	175.744	79.347	43	no	no
N.min	0.808	-58.709	175.749	79.352	37	no	no
N.min	0.808	-58.676	175.782	79.385	47	no	no
N.min	0.808	-58.594	175.864	79.467	43	no	no
N.min	0.808	-58.580	175.878	79.481	40	no	no
N.min	0.808	-58.580	175.878	79.481	39	no	no
	0.807	-58.541	175.917	79.521	47	no	no
N.min	0.807	-58.521	175.937	79.540	40	no	no
	0.807	-58.515	175.943	79.546	48	no	no
	0.807	-58.509	175.948	79.552	42	no	no
	0.807	-58.500	175.958	79.561	48	no	no
N.min	0.807	-58.402	176.055	79.659	51	no	no
	0.807	-58.367	176.091	79.695	40	no	no
	0.807	-58.306	176.152	79.756	49	no	no
N.min	0.807	-58.289	176.169	79.773	43	no	no
N.min	0.806	-58.269	176.189	79.792	43	no	no

	0.806	-58.256	176.202	79.805	43	no	no
N.min	0.806	-58.244	176.214	79.817	43	no	no
N.min	0.806	-58.035	176.422	80.026	39	no	no
N.min	0.806	-58.034	176.424	80.027	45	no	no
	0.806	-58.019	176.438	80.042	43	no	no
N.min	0.805	-57.986	176.472	80.075	44	no	no
N.min	0.805	-57.957	176.501	80.104	44	no	no
N.min	0.805	-57.931	176.527	80.131	32	no	no
N.min	0.805	-57.868	176.590	80.194	43	no	no
	0.805	-57.822	176.635	80.239	35	no	no
N.min	0.805	-57.796	176.662	80.265	50	no	no
N.min	0.805	-57.757	176.701	80.305	46	no	no
	0.805	-57.733	176.725	80.328	42	no	no
N.min	0.805	-57.714	176.744	80.347	38	no	no
	0.805	-57.713	176.745	80.348	42	no	no
	0.804	-57.683	176.775	80.379	47	no	no
N.min	0.804	-57.653	176.805	80.409	46	no	no
N.min	0.804	-57.595	176.862	80.466	31	no	no
N.min	0.804	-57.570	176.888	80.491	43	no	no
N.min	0.804	-57.468	176.989	80.593	38	no	no
N.min	0.804	-57.459	176.999	80.603	50	no	no
	0.804	-57.436	177.022	80.625	44	no	no
N.min	0.803	-57.408	177.050	80.654	43	no	no
	0.803	-57.375	177.083	80.686	41	no	no
N.min	0.803	-57.359	177.099	80.703	32	no	no
N.min	0.803	-57.330	177.127	80.731	40	no	no
N.min	0.803	-57.303	177.155	80.759	33	no	no
	0.803	-57.291	177.166	80.770	46	no	no
N.min	0.803	-57.255	177.203	80.806	39	no	no
N.min	0.803	-57.236	177.222	80.826	48	no	no
	0.803	-57.235	177.222	80.826	47	no	no
N.min	0.803	-57.217	177.241	80.845	42	no	no
N.min	0.802	-57.149	177.309	80.912	48	no	no
N.min	0.802	-57.074	177.384	80.987	52	no	no
	0.802	-57.020	177.437	81.041	41	no	no
N.min	0.802	-56.992	177.466	81.069	41	no	no
	0.802	-56.960	177.498	81.101	37	no	no
	0.802	-56.949	177.509	81.112	38	no	no
	0.802	-56.944	177.514	81.117	48	no	no
N.min	0.802	-56.906	177.552	81.156	39	no	no
N.min	0.802	-56.893	177.565	81.169	37	no	no
N.min	0.802	-56.881	177.576	81.180	44	no	no
N.min	0.801	-56.818	177.640	81.244	50	no	no
N.min	0.801	-56.785	177.673	81.277	39	no	no
	0.801	-56.740	177.717	81.321	38	no	no
N.min	0.801	-56.716	177.742	81.346	52	no	no
N.min	0.801	-56.638	177.820	81.424	41	no	no
	0.801	-56.618	177.840	81.443	41	no	no
	0.801	-56.608	177.850	81.453	41	no	no
	0.801	-56.603	177.854	81.458	48	no	no
N.min	0.800	-56.488	177.970	81.573	26	no	no
N.min	0.800	-56.470	177.987	81.591	40	no	no
	0.800	-56.450	178.008	81.612	40	no	no
N.min	0.800	-56.449	178.008	81.612	27	no	no
	0.800	-56.428	178.030	81.634	40	no	no
N.min	0.800	-56.390	178.068	81.672	45	no	no
	0.800	-56.353	178.105	81.709	47	no	no
	0.800	-56.341	178.117	81.720	42	no	no
	0.800	-56.336	178.122	81.725	40	no	no
	0.799	-56.322	178.136	81.740	45	no	no
	0.799	-56.311	178.146	81.750	43	no	no
N.min	0.799	-56.258	178.200	81.803	42	no	no
	0.799	-56.197	178.261	81.864	41	no	no

	0.799	-56.182	178.275	81.879	39	no	no
N.min	0.799	-56.154	178.304	81.907	39	no	no
N.min	0.799	-56.125	178.333	81.936	50	no	no
	0.799	-56.111	178.347	81.950	33	no	no
N.min	0.799	-56.109	178.349	81.952	43	no	no
N.min	0.799	-56.056	178.401	82.005	51	no	no
	0.798	-56.047	178.411	82.015	46	no	no
N.min	0.798	-56.010	178.448	82.051	45	no	no
N.min	0.798	-56.009	178.449	82.052	45	no	no
	0.798	-55.991	178.467	82.071	47	no	no
N.min	0.798	-55.959	178.498	82.102	44	no	no
	0.798	-55.952	178.505	82.109	44	no	no
	0.798	-55.898	178.560	82.163	48	no	no
N.min	0.798	-55.871	178.587	82.191	47	no	no
N.min	0.797	-55.702	178.756	82.360	38	no	no
	0.797	-55.662	178.796	82.400	47	no	no
	0.797	-55.625	178.833	82.436	38	no	no
N.min	0.797	-55.615	178.842	82.446	38	no	no
	0.797	-55.527	178.931	82.535	39	no	no
N.min	0.796	-55.501	178.956	82.560	39	no	no
N.min	0.796	-55.425	179.033	82.637	33	no	no
N.min	0.796	-55.396	179.062	82.666	31	no	no
N.min	0.796	-55.327	179.131	82.735	39	no	no
N.min	0.796	-55.295	179.163	82.767	51	no	no
N.min	0.796	-55.247	179.211	82.815	40	no	no
	0.795	-55.207	179.251	82.854	49	no	no
	0.795	-55.104	179.354	82.958	39	no	no
N.min	0.795	-54.987	179.471	83.075	46	no	no
	0.794	-54.900	179.558	83.162	39	no	no
N.min	0.794	-54.878	179.580	83.184	48	no	no
N.min	0.794	-54.856	179.602	83.206	50	no	no
	0.794	-54.848	179.609	83.213	45	no	no
	0.794	-54.841	179.617	83.221	50	no	no
N.min	0.794	-54.721	179.737	83.341	40	no	no
	0.793	-54.697	179.761	83.364	41	no	no
N.min	0.793	-54.620	179.838	83.442	42	no	no
N.min	0.793	-54.612	179.845	83.449	42	no	no
N.min	0.793	-54.561	179.896	83.500	34	no	no
N.min	0.793	-54.552	179.906	83.510	44	no	no
N.min	0.793	-54.462	179.996	83.599	44	no	no
	0.792	-54.280	180.178	83.782	47	no	no
N.min	0.792	-54.236	180.222	83.825	45	no	no
N.min	0.792	-54.216	180.241	83.845	36	no	no
	0.791	-54.158	180.300	83.904	51	no	no
	0.791	-54.137	180.321	83.924	46	no	no
N.min	0.791	-54.104	180.353	83.957	50	no	no
N.min	0.791	-54.100	180.358	83.962	37	no	no
N.min	0.791	-54.078	180.379	83.983	44	no	no
N.min	0.791	-54.078	180.380	83.984	33	no	no
	0.791	-54.038	180.420	84.024	49	no	no
N.min	0.791	-53.979	180.478	84.082	37	no	no
N.min	0.791	-53.920	180.537	84.141	49	no	no
N.min	0.790	-53.876	180.582	84.185	34	no	no
	0.790	-53.808	180.650	84.254	46	no	no
	0.790	-53.799	180.658	84.262	45	no	no
	0.790	-53.700	180.757	84.361	34	no	no
	0.789	-53.640	180.818	84.421	46	no	no
N.min	0.789	-53.633	180.825	84.428	52	no	no
N.min	0.789	-53.607	180.850	84.454	52	no	no
N.min	0.789	-53.523	180.935	84.539	41	no	no
N.min	0.789	-53.520	180.938	84.542	40	no	no
N.min	0.789	-53.497	180.961	84.564	45	no	no
	0.789	-53.466	180.991	84.595	46	no	no

	0.789	-53.386	181.071	84.675	50	no	no
N.min	0.788	-53.337	181.121	84.724	45	no	no
N.min	0.788	-53.237	181.221	84.825	46	no	no
	0.787	-53.099	181.359	84.962	40	no	no
N.min	0.787	-53.096	181.362	84.966	40	no	no
N.min	0.787	-53.063	181.395	84.998	50	no	no
	0.787	-53.026	181.432	85.036	47	no	no
	0.787	-52.949	181.509	85.112	47	no	no
	0.787	-52.903	181.555	85.158	37	no	no
N.min	0.787	-52.901	181.557	85.160	57	no	no
N.min	0.786	-52.856	181.602	85.206	38	no	no
N.min	0.786	-52.801	181.657	85.260	45	no	no
	0.786	-52.785	181.672	85.276	43	no	no
N.min	0.786	-52.676	181.782	85.386	51	no	no
N.min	0.786	-52.659	181.799	85.402	50	no	no
	0.786	-52.642	181.816	85.420	55	no	no
N.min	0.786	-52.638	181.820	85.423	36	no	no
N.min	0.785	-52.576	181.881	85.485	50	no	no
N.min	0.785	-52.559	181.899	85.503	39	no	no
N.min	0.785	-52.539	181.918	85.522	49	no	no
N.min	0.785	-52.535	181.923	85.526	55	no	no
N.min	0.785	-52.462	181.996	85.600	34	no	no
	0.785	-52.450	182.008	85.612	44	no	no
	0.785	-52.418	182.039	85.643	42	no	no
N.min	0.785	-52.408	182.050	85.653	47	no	no
N.min	0.785	-52.366	182.092	85.696	44	no	no
N.min	0.784	-52.318	182.140	85.744	42	no	no
N.min	0.784	-52.279	182.179	85.783	42	no	no
N.min	0.784	-52.277	182.180	85.784	52	no	no
N.min	0.784	-52.259	182.199	85.802	53	no	no
	0.784	-52.194	182.264	85.867	44	no	no
	0.784	-52.161	182.297	85.900	48	no	no
	0.784	-52.143	182.315	85.919	40	no	no
	0.783	-51.975	182.483	86.086	48	no	no
N.min	0.783	-51.964	182.494	86.097	38	no	no
N.min	0.783	-51.959	182.499	86.102	40	no	no
	0.782	-51.846	182.612	86.215	54	no	no
	0.782	-51.803	182.655	86.258	53	no	no
N.min	0.782	-51.790	182.668	86.271	42	no	no
N.min	0.782	-51.736	182.721	86.325	33	no	no
	0.782	-51.727	182.731	86.335	45	no	no
N.min	0.782	-51.693	182.764	86.368	48	no	no
	0.782	-51.669	182.789	86.393	31	no	no
	0.782	-51.652	182.806	86.409	45	no	no
	0.782	-51.598	182.859	86.463	35	no	no
N.min	0.781	-51.564	182.893	86.497	44	no	no
N.min	0.781	-51.563	182.895	86.499	50	no	no
N.min	0.781	-51.491	182.967	86.571	40	no	no
N.min	0.781	-51.489	182.968	86.572	48	no	no
	0.781	-51.470	182.988	86.592	47	no	no
N.min	0.781	-51.443	183.014	86.618	44	no	no
	0.781	-51.404	183.053	86.657	45	no	no
N.min	0.781	-51.364	183.094	86.698	46	no	no
N.min	0.781	-51.362	183.096	86.699	46	no	no
N.min	0.781	-51.350	183.107	86.711	38	no	no
	0.780	-51.330	183.128	86.732	41	no	no
	0.780	-51.271	183.187	86.790	55	no	no
	0.780	-51.178	183.280	86.884	55	no	no
N.min	0.780	-51.134	183.324	86.928	41	no	no
N.min	0.779	-51.083	183.375	86.979	46	no	no
	0.779	-51.073	183.385	86.988	45	no	no
N.min	0.779	-50.954	183.503	87.107	49	no	no
	0.779	-50.952	183.506	87.110	39	no	no



N.min	0.778	-50.827	183.631	87.235	52	no	no
N.min	0.778	-50.814	183.644	87.248	44	no	no
N.min	0.778	-50.738	183.719	87.323	44	no	no
	0.778	-50.733	183.724	87.328	42	no	no
N.min	0.778	-50.700	183.758	87.361	40	no	no
N.min	0.778	-50.645	183.812	87.416	45	no	no
N.min	0.777	-50.587	183.871	87.475	46	no	no
	0.777	-50.570	183.888	87.492	48	no	no
N.min	0.777	-50.552	183.905	87.509	39	no	no
N.min	0.777	-50.486	183.972	87.575	49	no	no
	0.777	-50.391	184.067	87.670	54	no	no
	0.777	-50.383	184.074	87.678	43	no	no
N.min	0.777	-50.357	184.100	87.704	55	no	no
N.min	0.776	-50.337	184.121	87.724	56	no	no
N.min	0.776	-50.258	184.200	87.803	43	no	no
N.min	0.776	-50.253	184.205	87.809	44	no	no
	0.776	-50.197	184.261	87.864	41	no	no
	0.776	-50.136	184.322	87.925	46	no	no
	0.776	-50.125	184.333	87.937	46	no	no
N.min	0.775	-50.090	184.368	87.972	41	no	no
	0.775	-50.029	184.429	88.032	44	no	no
N.min	0.775	-50.014	184.444	88.048	40	no	no
N.min	0.775	-49.937	184.521	88.124	47	no	no
	0.775	-49.903	184.555	88.159	51	no	no
N.min	0.775	-49.865	184.593	88.196	34	no	no
	0.774	-49.843	184.615	88.218	34	no	no
N.min	0.774	-49.791	184.667	88.271	51	no	no
	0.774	-49.739	184.719	88.322	38	no	no
	0.773	-49.595	184.862	88.466	49	no	no
N.min	0.773	-49.568	184.890	88.493	48	no	no
N.min	0.773	-49.563	184.895	88.499	41	no	no
N.min	0.772	-49.370	185.088	88.692	43	no	no
	0.772	-49.365	185.093	88.696	35	no	no
	0.772	-49.342	185.116	88.720	53	no	no
	0.772	-49.328	185.129	88.733	46	no	no
N.min	0.771	-49.105	185.353	88.957	51	no	no
N.min	0.771	-49.070	185.388	88.992	47	no	no
	0.771	-48.937	185.521	89.125	42	no	no
	0.771	-48.932	185.526	89.129	46	no	no
	0.771	-48.916	185.542	89.146	46	no	no
	0.770	-48.843	185.615	89.219	36	no	no
N.min	0.770	-48.788	185.670	89.273	48	no	no
	0.770	-48.739	185.718	89.322	45	no	no
N.min	0.770	-48.731	185.726	89.330	38	no	no
N.min	0.769	-48.586	185.871	89.475	53	no	no
	0.769	-48.466	185.991	89.595	53	no	no
N.min	0.769	-48.463	185.995	89.598	44	no	no
	0.769	-48.446	186.012	89.616	38	no	no
N.min	0.769	-48.418	186.040	89.644	51	no	no
	0.768	-48.390	186.068	89.671	36	no	no
	0.768	-48.312	186.146	89.750	42	no	no
	0.768	-48.286	186.172	89.776	43	no	no
N.min	0.768	-48.242	186.216	89.819	49	no	no
N.min	0.768	-48.229	186.229	89.833	45	no	no
	0.768	-48.186	186.272	89.875	41	no	no
	0.767	-48.016	186.442	90.045	48	no	no
N.min	0.767	-47.959	186.499	90.102	51	no	no
N.min	0.767	-47.959	186.499	90.103	48	no	no
N.min	0.766	-47.880	186.578	90.181	46	no	no
	0.766	-47.794	186.664	90.267	43	no	no
N.min	0.766	-47.765	186.693	90.296	50	no	no
N.min	0.766	-47.765	186.693	90.297	33	no	no
	0.765	-47.603	186.855	90.459	55	no	no

N.min	0.765	-47.584	186.874	90.478	43	no	no
N.min	0.765	-47.566	186.892	90.495	41	no	no
	0.764	-47.458	186.999	90.603	47	no	no
N.min	0.764	-47.370	187.088	90.691	37	no	no
	0.764	-47.257	187.201	90.804	36	no	no
N.min	0.763	-47.080	187.377	90.981	35	no	no
N.min	0.763	-47.073	187.385	90.988	42	no	no
	0.763	-47.065	187.392	90.996	47	no	no
N.min	0.762	-46.876	187.582	91.185	44	no	no
	0.761	-46.701	187.757	91.360	49	no	no
N.min	0.760	-46.484	187.974	91.578	36	no	no
	0.760	-46.470	187.987	91.591	36	no	no
N.min	0.760	-46.468	187.990	91.593	44	no	no
N.min	0.760	-46.396	188.062	91.665	43	no	no
	0.758	-46.084	188.374	91.977	48	no	no
N.min	0.758	-46.075	188.383	91.987	42	no	no
	0.758	-46.055	188.403	92.006	53	no	no
N.min	0.758	-45.986	188.472	92.075	45	no	no
	0.757	-45.852	188.606	92.209	51	no	no
N.min	0.757	-45.842	188.616	92.220	46	no	no
N.min	0.757	-45.757	188.700	92.304	45	no	no
N.min	0.756	-45.582	188.876	92.479	33	no	no
N.min	0.756	-45.503	188.955	92.558	52	no	no
	0.756	-45.502	188.956	92.559	53	no	no
N.min	0.756	-45.464	188.994	92.597	45	no	no
N.min	0.755	-45.391	189.067	92.671	51	no	no
	0.755	-45.335	189.123	92.726	51	no	no
	0.754	-45.068	189.390	92.993	54	no	no
	0.754	-45.054	189.404	93.007	49	no	no
N.min	0.753	-44.880	189.577	93.181	52	no	no
N.min	0.753	-44.840	189.618	93.222	38	no	no
N.min	0.753	-44.806	189.651	93.255	49	no	no
	0.751	-44.452	190.006	93.610	51	no	no
N.min	0.751	-44.425	190.033	93.636	38	no	no
N.min	0.751	-44.404	190.054	93.657	50	no	no
	0.751	-44.400	190.058	93.662	46	no	no
N.min	0.751	-44.355	190.102	93.706	36	no	no
N.min	0.749	-44.068	190.390	93.993	51	no	no
N.min	0.749	-43.965	190.493	94.096	50	no	no
N.min	0.749	-43.929	190.529	94.133	45	no	no
N.min	0.749	-43.918	190.540	94.143	47	no	no
N.min	0.748	-43.845	190.613	94.216	52	no	no
N.min	0.748	-43.774	190.684	94.287	44	no	no
	0.748	-43.729	190.728	94.332	50	no	no
	0.747	-43.638	190.820	94.424	42	no	no
	0.747	-43.534	190.924	94.527	47	no	no
N.min	0.747	-43.437	191.021	94.624	45	no	no
N.min	0.747	-43.434	191.024	94.628	44	no	no
	0.746	-43.395	191.062	94.666	49	no	no
	0.746	-43.320	191.138	94.742	38	no	no
	0.746	-43.244	191.214	94.817	55	no	no
N.min	0.745	-43.066	191.391	94.995	37	no	no
	0.745	-43.051	191.407	95.011	47	no	no
	0.745	-43.050	191.408	95.012	52	no	no
	0.743	-42.752	191.705	95.309	52	no	no
N.min	0.742	-42.513	191.945	95.548	51	no	no
	0.742	-42.495	191.963	95.567	45	no	no
	0.742	-42.470	191.988	95.591	53	no	no
N.min	0.742	-42.362	192.096	95.700	40	no	no
	0.741	-42.337	192.121	95.724	48	no	no
N.min	0.741	-42.330	192.128	95.732	44	no	no
	0.741	-42.304	192.154	95.757	52	no	no
N.min	0.741	-42.278	192.180	95.783	46	no	no

N.min	0.741	-42.187	192.270	95.874	57	no	no
	0.740	-42.077	192.380	95.984	40	no	no
N.min	0.740	-41.961	192.497	96.100	50	no	no
N.min	0.739	-41.874	192.583	96.187	38	no	no
N.min	0.738	-41.700	192.758	96.361	39	no	no
	0.738	-41.647	192.811	96.415	48	no	no
N.min	0.738	-41.562	192.896	96.499	45	no	no
	0.738	-41.530	192.928	96.531	45	no	no
	0.737	-41.412	193.046	96.649	49	no	no
N.min	0.737	-41.363	193.094	96.698	43	no	no
	0.736	-41.291	193.167	96.770	43	no	no
N.min	0.736	-41.287	193.171	96.775	46	no	no
	0.735	-41.050	193.408	97.011	47	no	no
N.min	0.735	-40.959	193.498	97.102	45	no	no
	0.735	-40.903	193.555	97.158	43	no	no
N.min	0.734	-40.696	193.762	97.365	40	no	no
	0.733	-40.554	193.904	97.508	50	no	no
N.min	0.732	-40.427	194.030	97.634	45	no	no
N.min	0.732	-40.396	194.062	97.665	51	no	no
N.min	0.732	-40.274	194.184	97.787	45	no	no
N.min	0.731	-40.215	194.243	97.846	46	no	no
N.min	0.731	-40.155	194.303	97.906	45	no	no
	0.731	-40.142	194.316	97.920	48	no	no
N.min	0.731	-40.117	194.341	97.945	49	no	no
	0.730	-40.041	194.416	98.020	53	no	no
N.min	0.729	-39.830	194.627	98.231	39	no	no
N.min	0.729	-39.663	194.795	98.399	53	no	no
N.min	0.728	-39.505	194.953	98.557	44	no	no
N.min	0.727	-39.391	195.067	98.670	46	no	no
N.min	0.727	-39.384	195.074	98.678	47	no	no
	0.727	-39.273	195.185	98.789	51	no	no
N.min	0.726	-39.202	195.255	98.859	41	no	no
N.min	0.726	-39.178	195.279	98.883	42	no	no
N.min	0.726	-39.174	195.284	98.888	51	no	no
N.min	0.725	-39.031	195.427	99.031	46	no	no
N.min	0.725	-38.962	195.496	99.099	47	no	no
N.min	0.725	-38.856	195.602	99.206	37	no	no
	0.723	-38.612	195.846	99.449	51	no	no
N.min	0.723	-38.597	195.861	99.465	53	no	no
	0.723	-38.562	195.896	99.499	49	no	no
	0.723	-38.478	195.979	99.583	41	no	no
N.min	0.723	-38.469	195.988	99.592	47	no	no
N.min	0.722	-38.382	196.076	99.679	45	no	no
N.min	0.722	-38.355	196.103	99.706	46	no	no
N.min	0.721	-38.102	196.356	99.960	57	no	no
N.min	0.720	-38.044	196.413	100.017	51	no	no
	0.720	-38.035	196.423	100.026	41	no	no
N.min	0.720	-37.989	196.469	100.073	44	no	no
N.min	0.717	-37.305	197.153	100.757	48	no	no
N.min	0.716	-37.264	197.194	100.797	52	no	no
N.min	0.716	-37.176	197.282	100.886	38	no	no
N.min	0.715	-36.894	197.564	101.168	46	no	no
N.min	0.714	-36.768	197.690	101.294	40	no	no
	0.713	-36.678	197.780	101.383	56	no	no
N.min	0.712	-36.451	198.007	101.611	44	no	no
	0.712	-36.353	198.105	101.708	56	no	no
N.min	0.711	-36.229	198.229	101.832	46	no	no
N.min	0.709	-35.760	198.698	102.302	35	no	no
	0.707	-35.537	198.921	102.524	49	no	no
N.min	0.707	-35.492	198.966	102.570	47	no	no
	0.707	-35.385	199.073	102.676	47	no	no
	0.706	-35.358	199.099	102.703	50	no	no
	0.706	-35.333	199.124	102.728	53	no	no

N.min	0.705	-35.127	199.331	102.934	52	no	no
	0.705	-35.119	199.339	102.943	48	no	no
	0.703	-34.787	199.671	103.274	48	no	no
N.min	0.700	-34.195	200.262	103.866	53	no	no
	0.698	-33.717	200.740	104.344	41	no	no
N.min	0.696	-33.459	200.999	104.602	45	no	no
N.min	0.695	-33.272	201.185	104.789	38	no	no
	0.694	-33.010	201.448	105.051	43	no	no
N.min	0.694	-32.997	201.461	105.064	45	no	no
N.min	0.694	-32.991	201.467	105.071	39	no	no
N.min	0.693	-32.903	201.554	105.158	52	no	no
	0.689	-32.130	202.328	105.931	56	no	no
	0.686	-31.680	202.777	106.381	49	no	no
N.min	0.686	-31.576	202.882	106.485	40	no	no
	0.685	-31.418	203.040	106.643	47	no	no
N.min	0.683	-31.085	203.372	106.976	47	no	no
N.min	0.681	-30.791	203.667	107.270	58	no	no
	0.679	-30.496	203.962	107.565	47	no	no
	0.678	-30.285	204.173	107.777	48	no	no
N.min	0.676	-29.851	204.607	108.210	47	no	no
	0.675	-29.827	204.631	108.235	49	no	no
	0.675	-29.774	204.684	108.288	42	no	no
	0.672	-29.228	205.230	108.834	54	no	no
	0.672	-29.189	205.269	108.872	50	no	no
	0.671	-29.138	205.320	108.924	41	no	no
N.min	0.669	-28.834	205.623	109.227	48	no	no
N.min	0.669	-28.720	205.738	109.342	39	no	no
N.min	0.668	-28.524	205.934	109.537	47	no	no
	0.666	-28.263	206.195	109.798	55	no	no
	0.663	-27.798	206.659	110.263	49	no	no
N.min	0.663	-27.777	206.681	110.285	46	no	no
	0.660	-27.338	207.120	110.723	47	no	no
	0.659	-27.151	207.307	110.910	47	no	no
	0.656	-26.701	207.757	111.361	50	no	no
	0.655	-26.420	208.038	111.642	49	no	no
N.min	0.654	-26.345	208.112	111.716	42	no	no
N.min	0.654	-26.313	208.145	111.749	53	no	no
N.min	0.652	-26.070	208.388	111.991	40	no	no
	0.650	-25.716	208.742	112.346	55	no	no
	0.650	-25.648	208.810	112.413	54	no	no
	0.648	-25.342	209.115	112.719	54	no	no
	0.647	-25.145	209.312	112.916	48	no	no
N.min	0.645	-24.837	209.620	113.224	41	no	no
	0.644	-24.772	209.686	113.290	42	no	no
	0.641	-24.210	210.247	113.851	60	no	no
	0.639	-23.933	210.525	114.128	43	no	no
	0.637	-23.744	210.714	114.317	49	no	no
	0.630	-22.606	211.852	115.455	49	no	no
	0.629	-22.480	211.978	115.582	40	no	no
	0.622	-21.500	212.958	116.561	50	no	no
	0.616	-20.652	213.805	117.409	48	no	no
	0.613	-20.119	214.339	117.942	42	no	no
N.min	0.612	-20.021	214.437	118.041	40	no	no
	0.611	-19.930	214.527	118.131	44	no	no
	0.596	-17.785	216.672	120.276	43	no	no
	0.592	-17.185	217.273	120.876	44	no	no
	0.588	-16.723	217.734	121.338	55	no	no
	0.587	-16.576	217.882	121.486	42	no	no
	0.579	-15.481	218.977	122.581	50	no	no
	0.576	-15.134	219.324	122.927	45	no	no
	0.566	-13.872	220.586	124.190	50	no	no
	0.526	-8.981	225.477	129.080	45	no	no
	0.516	-7.883	226.575	130.178	51	no	no

	0.478	-3.734	230.724	134.327	43	no	no
	0.945	-131.267	103.191	-	31	yes	no
	0.919	-110.217	124.241	21.050	32	no	no
N.min	0.918	-109.791	124.667	21.476	34	no	no
N.min	0.917	-108.676	125.782	22.591	29	no	no
	0.916	-108.298	126.160	22.969	33	no	no
N.min	0.915	-107.295	127.162	23.971	28	no	no
	0.915	-107.248	127.210	24.019	31	no	no
	0.913	-106.567	127.891	24.700	27	no	no
	0.912	-105.468	128.990	25.799	31	no	no
N.min	0.911	-105.199	129.259	26.068	34	no	no
	0.908	-103.254	131.203	28.012	25	no	no
	0.907	-102.829	131.629	28.438	30	no	no
N.min	0.907	-102.728	131.730	28.539	33	no	no
	0.906	-102.069	132.388	29.197	27	no	no
	0.906	-102.046	132.412	29.221	24	no	no
N.min	0.906	-102.023	132.434	29.243	29	no	no
N.min	0.906	-101.811	132.647	29.456	29	no	no
	0.906	-101.715	132.743	29.552	32	no	no
	0.905	-101.652	132.805	29.614	30	no	no
N.min	0.905	-101.516	132.942	29.751	36	no	no
	0.905	-101.363	133.095	29.904	31	no	no
	0.905	-101.277	133.181	29.990	39	no	no
	0.904	-101.002	133.456	30.265	38	no	no
N.min	0.903	-100.423	134.035	30.844	27	no	no
	0.903	-100.392	134.066	30.875	39	no	no
	0.903	-100.191	134.266	31.075	34	no	no
	0.903	-100.023	134.435	31.244	31	no	no
N.min	0.902	-99.860	134.598	31.407	30	no	no
N.min	0.902	-99.691	134.767	31.576	29	no	no
	0.902	-99.652	134.806	31.615	39	no	no
	0.902	-99.636	134.822	31.631	34	no	no
	0.902	-99.439	135.019	31.828	32	no	no
	0.901	-99.397	135.061	31.870	37	no	no
	0.901	-99.396	135.062	31.871	38	no	no
	0.901	-99.210	135.247	32.056	29	no	no
	0.900	-98.627	135.831	32.640	27	no	no
	0.900	-98.594	135.864	32.673	32	no	no
	0.900	-98.394	136.064	32.873	32	no	no
	0.900	-98.364	136.093	32.902	29	no	no
N.min	0.899	-98.275	136.183	32.992	34	no	no
	0.899	-98.234	136.224	33.033	36	no	no
N.min	0.899	-98.008	136.450	33.259	36	no	no
	0.899	-97.920	136.538	33.347	33	no	no
	0.899	-97.908	136.549	33.358	32	no	no
	0.899	-97.878	136.580	33.389	32	no	no
	0.899	-97.822	136.636	33.445	26	no	no
N.min	0.899	-97.785	136.672	33.481	35	no	no
	0.898	-97.425	137.033	33.842	24	no	no
	0.898	-97.292	137.165	33.974	39	no	no
	0.897	-97.015	137.443	34.252	38	no	no
N.min	0.896	-96.650	137.808	34.617	33	no	no
	0.896	-96.337	138.121	34.930	37	no	no
	0.896	-96.281	138.177	34.986	25	no	no
N.min	0.895	-96.023	138.435	35.244	33	no	no
	0.895	-95.925	138.533	35.342	28	no	no
	0.895	-95.744	138.713	35.522	31	no	no
N.min	0.894	-95.564	138.894	35.703	26	no	no
	0.894	-95.552	138.905	35.714	33	no	no
	0.894	-95.542	138.915	35.724	34	no	no
N.min	0.894	-95.527	138.931	35.740	34	no	no
	0.894	-95.523	138.935	35.744	38	no	no
	0.894	-95.475	138.983	35.792	30	no	no

	0.894	-95.419	139.039	35.848	27	no	no
	0.894	-95.373	139.085	35.894	37	no	no
	0.894	-95.367	139.091	35.900	32	no	no
	0.893	-95.066	139.392	36.201	38	no	no
	0.893	-94.647	139.811	36.620	24	no	no
N.min	0.892	-94.542	139.915	36.724	35	no	no
	0.892	-94.492	139.966	36.775	33	no	no
N.min	0.892	-94.227	140.231	37.040	34	no	no
	0.892	-94.138	140.320	37.129	31	no	no
N.min	0.891	-93.890	140.568	37.377	31	no	no
	0.891	-93.886	140.572	37.381	27	no	no
	0.891	-93.769	140.689	37.498	27	no	no
N.min	0.891	-93.616	140.842	37.651	27	no	no
	0.890	-93.459	140.999	37.808	34	no	no
	0.890	-93.156	141.302	38.111	26	no	no
	0.889	-92.760	141.698	38.507	34	no	no
N.min	0.888	-92.272	142.186	38.995	27	no	no
N.min	0.888	-92.233	142.225	39.034	34	no	no
	0.888	-92.220	142.238	39.047	32	no	no
	0.887	-92.030	142.428	39.237	41	no	no
	0.887	-92.029	142.429	39.238	40	no	no
	0.887	-91.660	142.797	39.606	39	no	no
	0.886	-91.563	142.894	39.703	32	no	no
	0.886	-91.474	142.984	39.793	33	no	no
	0.886	-91.394	143.063	39.872	32	no	no
	0.886	-91.311	143.147	39.956	39	no	no
N.min	0.886	-91.209	143.249	40.058	30	no	no
N.min	0.885	-91.054	143.403	40.212	34	no	no
	0.885	-91.040	143.418	40.227	31	no	no
N.min	0.885	-90.901	143.557	40.366	27	no	no
	0.885	-90.857	143.601	40.410	27	no	no
N.min	0.885	-90.668	143.789	40.598	29	no	no
	0.884	-90.563	143.895	40.704	32	no	no
	0.884	-90.454	144.004	40.813	30	no	no
	0.884	-90.278	144.180	40.989	31	no	no
N.min	0.884	-90.230	144.227	41.036	22	no	no
	0.883	-90.181	144.277	41.086	25	no	no
	0.883	-90.148	144.310	41.119	32	no	no
N.min	0.883	-90.120	144.338	41.147	26	no	no
N.min	0.883	-90.062	144.396	41.205	34	no	no
	0.883	-89.805	144.653	41.462	29	no	no
	0.882	-89.514	144.944	41.753	31	no	no
	0.881	-89.139	145.319	42.128	32	no	no
	0.881	-89.003	145.455	42.264	34	no	no
	0.880	-88.669	145.789	42.598	39	no	no
N.min	0.880	-88.530	145.927	42.736	29	no	no
	0.879	-88.266	146.192	43.001	38	no	no
N.min	0.879	-88.257	146.201	43.010	28	no	no
N.min	0.879	-88.178	146.280	43.089	32	no	no
	0.879	-88.133	146.324	43.133	32	no	no
N.min	0.879	-88.112	146.346	43.155	32	no	no
	0.879	-87.951	146.507	43.316	40	no	no
	0.879	-87.948	146.509	43.318	28	no	no
	0.878	-87.807	146.651	43.460	34	no	no
	0.878	-87.728	146.730	43.539	31	no	no
N.min	0.878	-87.727	146.731	43.540	30	no	no
	0.878	-87.688	146.769	43.578	26	no	no
N.min	0.878	-87.591	146.867	43.676	36	no	no
	0.878	-87.571	146.887	43.696	37	no	no
N.min	0.877	-87.339	147.118	43.927	29	no	no
	0.877	-87.280	147.178	43.987	25	no	no
N.min	0.877	-87.173	147.284	44.093	36	no	no
	0.877	-87.146	147.311	44.120	27	no	no

	0.877	-87.085	147.373	44.182	38	no	no
N.min	0.876	-86.893	147.564	44.373	36	no	no
	0.876	-86.868	147.590	44.399	31	no	no
	0.876	-86.656	147.801	44.610	29	no	no
N.min	0.876	-86.549	147.909	44.718	24	no	no
	0.875	-86.535	147.923	44.732	22	no	no
N.min	0.875	-86.481	147.977	44.786	31	no	no
N.min	0.875	-86.381	148.077	44.886	35	no	no
	0.875	-86.310	148.148	44.957	33	no	no
	0.875	-86.293	148.165	44.974	36	no	no
	0.875	-86.254	148.204	45.013	31	no	no
	0.874	-86.069	148.388	45.197	30	no	no
	0.874	-86.064	148.393	45.202	35	no	no
	0.874	-86.062	148.396	45.205	24	no	no
	0.874	-86.035	148.423	45.232	32	no	no
	0.874	-85.916	148.542	45.351	32	no	no
	0.874	-85.912	148.546	45.355	34	no	no
	0.874	-85.816	148.642	45.451	30	no	no
	0.874	-85.789	148.668	45.477	33	no	no
	0.874	-85.782	148.676	45.485	37	no	no
	0.874	-85.771	148.686	45.495	32	no	no
N.min	0.874	-85.736	148.722	45.531	35	no	no
	0.873	-85.569	148.888	45.697	35	no	no
N.min	0.873	-85.560	148.898	45.707	29	no	no
N.min	0.873	-85.446	149.012	45.821	27	no	no
N.min	0.873	-85.405	149.052	45.861	33	no	no
N.min	0.872	-85.200	149.257	46.066	34	no	no
	0.872	-85.075	149.383	46.192	32	no	no
	0.872	-85.033	149.424	46.233	38	no	no
	0.872	-85.025	149.432	46.241	33	no	no
N.min	0.872	-85.001	149.457	46.266	34	no	no
N.min	0.872	-84.835	149.622	46.431	29	no	no
	0.871	-84.723	149.734	46.543	27	no	no
	0.871	-84.713	149.744	46.553	34	no	no
N.min	0.871	-84.635	149.823	46.632	36	no	no
	0.871	-84.613	149.845	46.654	32	no	no
N.min	0.871	-84.596	149.862	46.671	29	no	no
N.min	0.871	-84.526	149.932	46.741	35	no	no
N.min	0.871	-84.508	149.949	46.758	30	no	no
N.min	0.871	-84.481	149.977	46.786	28	no	no
	0.871	-84.393	150.064	46.873	31	no	no
N.min	0.870	-84.311	150.147	46.956	29	no	no
N.min	0.870	-84.259	150.198	47.007	36	no	no
	0.870	-84.222	150.235	47.044	39	no	no
N.min	0.870	-84.220	150.237	47.046	35	no	no
N.min	0.870	-84.156	150.302	47.111	32	no	no
	0.870	-84.051	150.407	47.216	26	no	no
N.min	0.870	-84.033	150.425	47.234	24	no	no
N.min	0.870	-83.966	150.492	47.301	34	no	no
N.min	0.869	-83.899	150.559	47.368	36	no	no
N.min	0.869	-83.810	150.648	47.457	28	no	no
N.min	0.869	-83.801	150.657	47.466	33	no	no
	0.869	-83.767	150.691	47.500	33	no	no
N.min	0.869	-83.743	150.715	47.524	32	no	no
	0.869	-83.592	150.866	47.675	26	no	no
	0.869	-83.571	150.887	47.696	33	no	no
	0.869	-83.534	150.924	47.733	39	no	no
N.min	0.868	-83.463	150.995	47.804	34	no	no
N.min	0.868	-83.354	151.104	47.913	25	no	no
N.min	0.868	-83.265	151.193	48.002	23	no	no
N.min	0.868	-83.225	151.233	48.042	31	no	no
N.min	0.868	-83.222	151.236	48.045	24	no	no
N.min	0.868	-83.198	151.260	48.069	30	no	no



	0.868	-83.170	151.288	48.097	25	no	no
N.min	0.867	-83.080	151.377	48.186	28	no	no
N.min	0.867	-83.057	151.400	48.209	36	no	no
	0.867	-83.025	151.433	48.242	32	no	no
N.min	0.867	-83.006	151.452	48.261	30	no	no
	0.867	-82.990	151.468	48.277	28	no	no
N.min	0.867	-82.970	151.488	48.297	27	no	no
	0.867	-82.944	151.514	48.323	33	no	no
N.min	0.867	-82.925	151.533	48.342	27	no	no
	0.867	-82.910	151.548	48.357	34	no	no
N.min	0.867	-82.880	151.577	48.386	36	no	no
	0.867	-82.831	151.627	48.436	29	no	no
N.min	0.867	-82.713	151.745	48.554	29	no	no
	0.866	-82.627	151.831	48.640	25	no	no
N.min	0.866	-82.561	151.897	48.706	35	no	no
	0.866	-82.531	151.926	48.735	37	no	no
	0.866	-82.506	151.952	48.761	33	no	no
N.min	0.866	-82.492	151.966	48.775	28	no	no
N.min	0.866	-82.448	152.010	48.819	37	no	no
	0.866	-82.379	152.079	48.888	38	no	no
	0.865	-82.280	152.178	48.987	33	no	no
N.min	0.865	-82.254	152.203	49.012	35	no	no
N.min	0.865	-82.164	152.294	49.103	31	no	no
	0.865	-82.063	152.395	49.204	32	no	no
	0.865	-81.964	152.493	49.302	20	no	no
	0.865	-81.951	152.507	49.316	26	no	no
N.min	0.864	-81.848	152.609	49.418	22	no	no
N.min	0.864	-81.719	152.738	49.547	40	no	no
	0.864	-81.648	152.810	49.619	31	no	no
N.min	0.864	-81.586	152.872	49.681	30	no	no
	0.864	-81.570	152.888	49.697	27	no	no
	0.863	-81.448	153.009	49.818	27	no	no
N.min	0.863	-81.381	153.076	49.885	36	no	no
	0.863	-81.351	153.107	49.916	34	no	no
	0.863	-81.336	153.121	49.930	31	no	no
	0.863	-81.278	153.180	49.989	25	no	no
N.min	0.863	-81.266	153.192	50.001	28	no	no
N.min	0.863	-81.242	153.215	50.024	30	no	no
	0.863	-81.239	153.218	50.027	28	no	no
	0.863	-81.171	153.287	50.096	33	no	no
N.min	0.863	-81.148	153.310	50.119	42	no	no
	0.863	-81.144	153.314	50.123	28	no	no
N.min	0.862	-80.954	153.504	50.313	28	no	no
N.min	0.862	-80.942	153.515	50.324	29	no	no
	0.862	-80.937	153.521	50.330	29	no	no
N.min	0.862	-80.929	153.529	50.338	30	no	no
N.min	0.862	-80.928	153.530	50.339	28	no	no
	0.862	-80.875	153.583	50.392	32	no	no
	0.862	-80.847	153.611	50.420	33	no	no
N.min	0.862	-80.804	153.654	50.463	41	no	no
N.min	0.862	-80.797	153.661	50.470	37	no	no
N.min	0.862	-80.790	153.668	50.477	30	no	no
N.min	0.862	-80.695	153.763	50.572	35	no	no
N.min	0.861	-80.502	153.955	50.764	35	no	no
N.min	0.861	-80.460	153.998	50.807	36	no	no
N.min	0.861	-80.453	154.004	50.813	37	no	no
N.min	0.861	-80.385	154.073	50.882	27	no	no
	0.861	-80.372	154.085	50.894	33	no	no
	0.861	-80.353	154.105	50.914	39	no	no
	0.861	-80.351	154.107	50.916	34	no	no
N.min	0.861	-80.344	154.114	50.923	32	no	no
	0.861	-80.293	154.165	50.974	34	no	no
N.min	0.860	-80.162	154.295	51.104	36	no	no

N.min	0.860	-80.131	154.327	51.136	34	no	no
N.min	0.860	-80.102	154.355	51.164	31	no	no
	0.860	-80.051	154.407	51.216	26	no	no
N.min	0.860	-80.048	154.410	51.219	29	no	no
	0.860	-80.021	154.437	51.246	39	no	no
N.min	0.860	-80.006	154.452	51.261	41	no	no
	0.860	-79.986	154.471	51.280	39	no	no
	0.860	-79.957	154.500	51.309	35	no	no
	0.860	-79.942	154.515	51.324	34	no	no
N.min	0.860	-79.932	154.526	51.335	38	no	no
N.min	0.860	-79.893	154.565	51.374	28	no	no
	0.859	-79.842	154.616	51.425	32	no	no
N.min	0.859	-79.782	154.675	51.484	33	no	no
	0.859	-79.709	154.749	51.558	33	no	no
	0.859	-79.692	154.766	51.575	32	no	no
	0.859	-79.664	154.793	51.602	33	no	no
N.min	0.859	-79.625	154.832	51.641	35	no	no
	0.859	-79.580	154.878	51.687	33	no	no
N.min	0.859	-79.578	154.880	51.689	31	no	no
N.min	0.859	-79.567	154.891	51.700	34	no	no
N.min	0.859	-79.558	154.900	51.709	40	no	no
N.min	0.858	-79.463	154.995	51.804	28	no	no
	0.858	-79.424	155.034	51.843	29	no	no
	0.858	-79.337	155.120	51.929	40	no	no
N.min	0.858	-79.262	155.195	52.004	32	no	no
	0.858	-79.203	155.254	52.063	33	no	no
N.min	0.858	-79.178	155.280	52.089	37	no	no
N.min	0.858	-79.159	155.298	52.107	38	no	no
N.min	0.858	-79.158	155.300	52.109	43	no	no
	0.858	-79.117	155.341	52.150	37	no	no
	0.857	-79.046	155.411	52.220	25	no	no
N.min	0.857	-79.040	155.418	52.226	34	no	no
	0.857	-78.986	155.472	52.281	38	no	no
	0.857	-78.913	155.545	52.354	33	no	no
	0.857	-78.912	155.545	52.354	35	no	no
N.min	0.857	-78.865	155.592	52.401	41	no	no
N.min	0.857	-78.791	155.667	52.476	37	no	no
N.min	0.857	-78.790	155.668	52.477	34	no	no
	0.856	-78.611	155.847	52.656	30	no	no
N.min	0.856	-78.571	155.887	52.696	32	no	no
N.min	0.856	-78.549	155.909	52.718	41	no	no
N.min	0.856	-78.533	155.924	52.733	27	no	no
N.min	0.856	-78.451	156.007	52.816	31	no	no
	0.856	-78.446	156.011	52.820	38	no	no
	0.856	-78.405	156.053	52.862	33	no	no
	0.856	-78.363	156.095	52.904	32	no	no
	0.855	-78.316	156.142	52.951	35	no	no
N.min	0.855	-78.296	156.162	52.971	39	no	no
	0.855	-78.134	156.324	53.133	32	no	no
N.min	0.855	-78.059	156.398	53.207	33	no	no
N.min	0.855	-78.057	156.400	53.209	41	no	no
	0.855	-78.031	156.427	53.236	34	no	no
N.min	0.855	-78.008	156.450	53.259	29	no	no
N.min	0.854	-77.916	156.542	53.351	27	no	no
	0.854	-77.889	156.568	53.377	33	no	no
	0.854	-77.836	156.622	53.431	39	no	no
N.min	0.854	-77.796	156.662	53.471	29	no	no
N.min	0.854	-77.767	156.690	53.499	36	no	no
N.min	0.854	-77.730	156.728	53.537	30	no	no
	0.854	-77.730	156.728	53.537	36	no	no
N.min	0.854	-77.721	156.737	53.546	36	no	no
N.min	0.854	-77.714	156.744	53.553	36	no	no
	0.854	-77.685	156.773	53.582	38	no	no

N.min	0.854	-77.619	156.839	53.648	35	no	no
N.min	0.854	-77.617	156.841	53.650	40	no	no
	0.853	-77.553	156.905	53.714	30	no	no
N.min	0.853	-77.548	156.909	53.718	36	no	no
N.min	0.853	-77.543	156.915	53.724	28	no	no
N.min	0.853	-77.460	156.998	53.807	35	no	no
	0.853	-77.406	157.051	53.860	40	no	no
N.min	0.853	-77.337	157.121	53.930	30	no	no
N.min	0.853	-77.289	157.169	53.978	31	no	no
N.min	0.853	-77.286	157.172	53.981	39	no	no
N.min	0.853	-77.237	157.221	54.030	35	no	no
	0.853	-77.227	157.231	54.040	34	no	no
	0.852	-77.178	157.280	54.089	39	no	no
N.min	0.852	-77.110	157.348	54.157	29	no	no
N.min	0.852	-77.074	157.384	54.193	35	no	no
N.min	0.852	-77.067	157.391	54.200	37	no	no
	0.852	-77.007	157.450	54.259	33	no	no
N.min	0.852	-77.006	157.452	54.261	31	no	no
	0.852	-76.982	157.476	54.285	31	no	no
	0.852	-76.978	157.480	54.289	27	no	no
	0.852	-76.959	157.499	54.308	33	no	no
	0.852	-76.925	157.533	54.342	37	no	no
N.min	0.852	-76.922	157.536	54.345	41	no	no
	0.852	-76.867	157.591	54.400	38	no	no
	0.851	-76.769	157.689	54.498	34	no	no
	0.851	-76.767	157.691	54.500	34	no	no
	0.851	-76.748	157.710	54.519	32	no	no
	0.851	-76.744	157.713	54.522	37	no	no
N.min	0.851	-76.743	157.715	54.524	34	no	no
N.min	0.851	-76.715	157.743	54.552	27	no	no
	0.851	-76.661	157.796	54.605	38	no	no
N.min	0.851	-76.654	157.803	54.612	22	no	no
	0.851	-76.582	157.875	54.684	24	no	no
	0.851	-76.555	157.902	54.711	34	no	no
	0.851	-76.530	157.928	54.737	35	no	no
	0.851	-76.523	157.934	54.743	33	no	no
N.min	0.851	-76.493	157.964	54.773	35	no	no
N.min	0.850	-76.447	158.011	54.820	41	no	no
N.min	0.850	-76.401	158.057	54.866	39	no	no
	0.850	-76.340	158.118	54.927	32	no	no
N.min	0.850	-76.340	158.118	54.927	37	no	no
N.min	0.850	-76.339	158.119	54.928	27	no	no
N.min	0.850	-76.337	158.121	54.930	29	no	no
N.min	0.850	-76.333	158.124	54.933	30	no	no
N.min	0.850	-76.331	158.127	54.936	38	no	no
	0.850	-76.326	158.132	54.941	30	no	no
	0.850	-76.279	158.179	54.988	34	no	no
N.min	0.850	-76.272	158.186	54.995	26	no	no
N.min	0.850	-76.234	158.224	55.033	22	no	no
N.min	0.850	-76.200	158.258	55.067	36	no	no
	0.850	-76.161	158.297	55.106	34	no	no
N.min	0.850	-76.140	158.318	55.127	36	no	no
	0.849	-76.080	158.378	55.187	25	no	no
	0.849	-76.076	158.382	55.191	39	no	no
N.min	0.849	-76.064	158.394	55.203	32	no	no
N.min	0.849	-76.004	158.453	55.262	21	no	no
N.min	0.849	-75.980	158.478	55.287	35	no	no
N.min	0.849	-75.946	158.512	55.321	28	no	no
N.min	0.849	-75.913	158.544	55.353	36	no	no
N.min	0.849	-75.892	158.566	55.375	37	no	no
N.min	0.849	-75.865	158.593	55.402	35	no	no
N.min	0.849	-75.812	158.646	55.455	38	no	no
N.min	0.848	-75.738	158.720	55.529	32	no	no

	0.848	-75.712	158.745	55.554	29	no	no
N.min	0.848	-75.650	158.808	55.617	42	no	no
	0.848	-75.603	158.855	55.664	39	no	no
	0.848	-75.554	158.904	55.713	34	no	no
N.min	0.848	-75.537	158.920	55.729	24	no	no
	0.848	-75.524	158.933	55.742	34	no	no
	0.848	-75.494	158.963	55.772	35	no	no
N.min	0.848	-75.487	158.970	55.779	41	no	no
N.min	0.848	-75.466	158.992	55.801	36	no	no
	0.848	-75.451	159.007	55.816	32	no	no
	0.848	-75.415	159.043	55.852	34	no	no
	0.847	-75.355	159.102	55.911	39	no	no
N.min	0.847	-75.327	159.131	55.940	26	no	no
	0.847	-75.315	159.143	55.952	33	no	no
N.min	0.847	-75.302	159.156	55.965	41	no	no
	0.847	-75.196	159.262	56.071	39	no	no
	0.847	-75.181	159.277	56.086	32	no	no
	0.847	-75.177	159.281	56.090	33	no	no
	0.847	-75.159	159.299	56.108	33	no	no
	0.847	-75.156	159.301	56.110	32	no	no
	0.847	-75.132	159.326	56.135	41	no	no
	0.847	-75.114	159.344	56.153	27	no	no
	0.847	-75.079	159.379	56.188	29	no	no
	0.847	-75.051	159.407	56.216	33	no	no
N.min	0.847	-75.042	159.415	56.224	29	no	no
N.min	0.847	-75.039	159.419	56.228	33	no	no
	0.846	-75.010	159.448	56.257	37	no	no
N.min	0.846	-74.977	159.480	56.289	34	no	no
	0.846	-74.973	159.484	56.293	34	no	no
N.min	0.846	-74.958	159.500	56.309	26	no	no
	0.846	-74.940	159.518	56.327	33	no	no
	0.846	-74.935	159.523	56.332	35	no	no
	0.846	-74.930	159.528	56.337	35	no	no
	0.846	-74.915	159.543	56.352	30	no	no
N.min	0.846	-74.913	159.545	56.354	34	no	no
	0.846	-74.817	159.641	56.450	34	no	no
	0.846	-74.808	159.650	56.459	33	no	no
	0.846	-74.804	159.654	56.463	31	no	no
	0.846	-74.792	159.666	56.475	37	no	no
	0.846	-74.778	159.680	56.489	32	no	no
N.min	0.846	-74.762	159.696	56.505	28	no	no
N.min	0.846	-74.709	159.749	56.558	34	no	no
N.min	0.846	-74.686	159.772	56.581	30	no	no
	0.845	-74.662	159.796	56.605	41	no	no
N.min	0.845	-74.618	159.840	56.649	30	no	no
N.min	0.845	-74.564	159.894	56.703	40	no	no
N.min	0.845	-74.532	159.926	56.735	36	no	no
N.min	0.845	-74.517	159.941	56.750	22	no	no
	0.845	-74.513	159.945	56.754	40	no	no
	0.845	-74.478	159.980	56.789	39	no	no
	0.845	-74.455	160.002	56.811	40	no	no
	0.845	-74.414	160.044	56.853	20	no	no
N.min	0.844	-74.308	160.150	56.959	27	no	no
	0.844	-74.255	160.202	57.011	33	no	no
	0.844	-74.219	160.238	57.047	36	no	no
	0.844	-74.181	160.277	57.086	40	no	no
	0.844	-74.161	160.297	57.106	35	no	no
N.min	0.844	-74.152	160.306	57.115	34	no	no
	0.844	-74.150	160.308	57.117	28	no	no
	0.844	-74.135	160.322	57.131	29	no	no
N.min	0.844	-74.026	160.432	57.241	36	no	no
N.min	0.844	-73.992	160.466	57.275	29	no	no
	0.843	-73.889	160.569	57.378	33	no	no

	0.843	-73.876	160.582	57.391	31	no	no
N.min	0.843	-73.847	160.611	57.420	34	no	no
	0.843	-73.818	160.639	57.448	31	no	no
	0.843	-73.802	160.655	57.464	26	no	no
	0.843	-73.788	160.669	57.478	32	no	no
	0.843	-73.785	160.672	57.481	28	no	no
N.min	0.843	-73.732	160.726	57.535	34	no	no
	0.843	-73.624	160.834	57.643	27	no	no
	0.842	-73.553	160.905	57.714	32	no	no
N.min	0.842	-73.512	160.946	57.755	34	no	no
	0.842	-73.455	161.003	57.812	33	no	no
	0.842	-73.439	161.018	57.827	26	no	no
	0.842	-73.436	161.022	57.831	45	no	no
N.min	0.842	-73.435	161.022	57.831	34	no	no
N.min	0.842	-73.382	161.076	57.885	31	no	no
	0.842	-73.380	161.078	57.887	32	no	no
N.min	0.842	-73.355	161.103	57.912	40	no	no
	0.842	-73.280	161.178	57.987	37	no	no
N.min	0.842	-73.274	161.183	57.992	28	no	no
N.min	0.841	-73.206	161.252	58.061	36	no	no
N.min	0.841	-73.193	161.265	58.074	37	no	no
N.min	0.841	-73.180	161.278	58.087	35	no	no
N.min	0.841	-73.107	161.351	58.160	36	no	no
N.min	0.841	-73.107	161.351	58.160	34	no	no
N.min	0.841	-73.074	161.384	58.193	39	no	no
N.min	0.841	-73.064	161.393	58.202	27	no	no
N.min	0.841	-73.057	161.401	58.210	29	no	no
N.min	0.841	-73.003	161.455	58.264	36	no	no
	0.841	-72.998	161.460	58.269	34	no	no
N.min	0.841	-72.928	161.530	58.339	38	no	no
N.min	0.841	-72.916	161.542	58.351	22	no	no
	0.840	-72.886	161.571	58.380	27	no	no
	0.840	-72.856	161.602	58.411	35	no	no
	0.840	-72.770	161.688	58.497	41	no	no
N.min	0.840	-72.744	161.713	58.522	32	no	no
	0.840	-72.710	161.747	58.556	36	no	no
	0.840	-72.708	161.750	58.559	33	no	no
N.min	0.840	-72.694	161.764	58.573	33	no	no
	0.840	-72.669	161.789	58.598	26	no	no
	0.840	-72.614	161.844	58.653	32	no	no
	0.840	-72.594	161.864	58.673	19	no	no
	0.839	-72.545	161.912	58.721	30	no	no
	0.839	-72.511	161.947	58.756	30	no	no
	0.839	-72.509	161.949	58.758	44	no	no
	0.839	-72.503	161.955	58.764	40	no	no
	0.839	-72.447	162.011	58.820	32	no	no
	0.839	-72.404	162.053	58.862	35	no	no
N.min	0.839	-72.402	162.056	58.865	28	no	no
N.min	0.839	-72.386	162.072	58.881	35	no	no
	0.839	-72.357	162.101	58.910	28	no	no
N.min	0.839	-72.295	162.163	58.972	29	no	no
N.min	0.839	-72.258	162.200	59.009	32	no	no
	0.838	-72.222	162.235	59.044	27	no	no
	0.838	-72.209	162.249	59.058	37	no	no
N.min	0.838	-72.171	162.287	59.096	27	no	no
	0.838	-72.148	162.310	59.118	36	no	no
	0.838	-72.113	162.345	59.154	46	no	no
	0.838	-72.030	162.428	59.237	39	no	no
	0.838	-72.009	162.449	59.258	34	no	no
	0.838	-72.002	162.455	59.264	40	no	no
	0.838	-71.953	162.505	59.314	26	no	no
	0.838	-71.918	162.540	59.349	38	no	no
	0.837	-71.876	162.582	59.391	25	no	no

	0.837	-71.837	162.620	59.429	38	no	no
	0.837	-71.825	162.633	59.442	35	no	no
N.min	0.837	-71.789	162.669	59.478	34	no	no
	0.837	-71.781	162.677	59.486	41	no	no
	0.837	-71.778	162.679	59.488	39	no	no
	0.837	-71.766	162.692	59.501	34	no	no
N.min	0.837	-71.754	162.704	59.513	37	no	no
	0.837	-71.745	162.713	59.522	40	no	no
N.min	0.837	-71.742	162.716	59.525	36	no	no
N.min	0.837	-71.729	162.729	59.538	31	no	no
	0.837	-71.694	162.763	59.572	33	no	no
N.min	0.837	-71.618	162.839	59.648	40	no	no
	0.836	-71.547	162.911	59.720	40	no	no
N.min	0.836	-71.519	162.939	59.748	34	no	no
	0.836	-71.413	163.044	59.853	37	no	no
	0.836	-71.390	163.068	59.877	36	no	no
	0.836	-71.343	163.114	59.923	41	no	no
	0.836	-71.309	163.148	59.957	24	no	no
N.min	0.835	-71.202	163.256	60.065	40	no	no
	0.835	-71.201	163.257	60.066	33	no	no
	0.835	-71.151	163.307	60.116	35	no	no
	0.835	-71.014	163.444	60.253	40	no	no
	0.835	-70.995	163.463	60.272	26	no	no
	0.835	-70.893	163.565	60.374	32	no	no
	0.835	-70.888	163.570	60.379	31	no	no
N.min	0.835	-70.885	163.572	60.381	26	no	no
	0.834	-70.859	163.599	60.408	41	no	no
	0.834	-70.853	163.605	60.414	38	no	no
	0.834	-70.824	163.634	60.443	34	no	no
N.min	0.834	-70.798	163.660	60.469	42	no	no
	0.834	-70.750	163.707	60.516	31	no	no
	0.834	-70.729	163.729	60.538	31	no	no
N.min	0.834	-70.709	163.749	60.558	38	no	no
N.min	0.834	-70.690	163.768	60.577	39	no	no
N.min	0.834	-70.623	163.835	60.644	35	no	no
N.min	0.834	-70.603	163.855	60.664	29	no	no
	0.833	-70.522	163.935	60.744	32	no	no
N.min	0.833	-70.517	163.941	60.750	30	no	no
N.min	0.833	-70.490	163.967	60.776	36	no	no
	0.833	-70.439	164.019	60.828	41	no	no
	0.833	-70.397	164.060	60.869	29	no	no
N.min	0.833	-70.319	164.139	60.948	33	no	no
	0.833	-70.315	164.143	60.952	41	no	no
N.min	0.833	-70.287	164.170	60.979	37	no	no
N.min	0.833	-70.255	164.202	61.011	37	no	no
	0.833	-70.243	164.215	61.024	36	no	no
N.min	0.833	-70.229	164.228	61.037	33	no	no
N.min	0.832	-70.107	164.351	61.160	36	no	no
N.min	0.832	-70.061	164.397	61.206	35	no	no
N.min	0.832	-70.022	164.436	61.245	27	no	no
	0.832	-70.019	164.439	61.248	45	no	no
	0.832	-70.011	164.446	61.255	43	no	no
	0.832	-69.968	164.490	61.299	38	no	no
	0.832	-69.964	164.493	61.302	40	no	no
	0.831	-69.894	164.564	61.373	26	no	no
	0.831	-69.802	164.655	61.464	39	no	no
	0.831	-69.788	164.670	61.479	42	no	no
N.min	0.831	-69.756	164.702	61.511	33	no	no
	0.831	-69.753	164.704	61.513	26	no	no
N.min	0.831	-69.740	164.718	61.527	41	no	no
N.min	0.831	-69.692	164.765	61.574	42	no	no
	0.831	-69.685	164.772	61.581	31	no	no
	0.831	-69.659	164.799	61.608	39	no	no

	0.831	-69.600	164.858	61.667	31	no	no
	0.830	-69.562	164.896	61.705	34	no	no
	0.830	-69.495	164.962	61.771	24	no	no
	0.830	-69.459	164.999	61.808	39	no	no
N.min	0.830	-69.403	165.055	61.864	23	no	no
N.min	0.830	-69.325	165.132	61.941	37	no	no
	0.830	-69.316	165.141	61.950	29	no	no
N.min	0.830	-69.314	165.144	61.953	34	no	no
	0.830	-69.313	165.145	61.954	41	no	no
	0.830	-69.306	165.152	61.961	30	no	no
	0.829	-69.232	165.226	62.035	41	no	no
N.min	0.829	-69.191	165.267	62.076	39	no	no
	0.829	-69.158	165.300	62.109	37	no	no
N.min	0.829	-69.157	165.301	62.110	35	no	no
	0.829	-69.146	165.312	62.121	41	no	no
	0.829	-69.078	165.379	62.188	36	no	no
	0.829	-69.060	165.398	62.207	40	no	no
N.min	0.829	-69.043	165.415	62.224	35	no	no
	0.828	-68.784	165.674	62.483	33	no	no
N.min	0.828	-68.745	165.712	62.521	33	no	no
N.min	0.828	-68.725	165.732	62.541	43	no	no
N.min	0.828	-68.687	165.770	62.579	41	no	no
	0.828	-68.676	165.782	62.591	27	no	no
	0.828	-68.636	165.822	62.631	44	no	no
N.min	0.828	-68.632	165.826	62.635	28	no	no
	0.827	-68.598	165.860	62.669	31	no	no
N.min	0.827	-68.494	165.963	62.772	32	no	no
N.min	0.827	-68.460	165.998	62.807	42	no	no
	0.827	-68.458	166.000	62.809	38	no	no
N.min	0.827	-68.427	166.031	62.840	29	no	no
	0.827	-68.416	166.042	62.851	33	no	no
	0.827	-68.381	166.076	62.885	34	no	no
	0.827	-68.336	166.122	62.931	33	no	no
N.min	0.827	-68.310	166.148	62.957	32	no	no
	0.827	-68.296	166.162	62.971	34	no	no
N.min	0.826	-68.274	166.184	62.993	29	no	no
	0.826	-68.270	166.187	62.996	43	no	no
	0.826	-68.255	166.203	63.012	41	no	no
N.min	0.826	-68.227	166.231	63.040	23	no	no
	0.826	-68.195	166.263	63.072	37	no	no
	0.826	-68.165	166.293	63.102	31	no	no
	0.826	-68.128	166.330	63.139	31	no	no
N.min	0.826	-68.114	166.344	63.153	33	no	no
N.min	0.826	-68.113	166.344	63.153	35	no	no
	0.826	-68.111	166.346	63.155	36	no	no
	0.826	-68.103	166.355	63.164	37	no	no
N.min	0.826	-68.089	166.368	63.177	36	no	no
	0.826	-68.079	166.379	63.188	40	no	no
N.min	0.826	-68.037	166.421	63.230	36	no	no
	0.826	-67.989	166.468	63.277	33	no	no
	0.826	-67.975	166.482	63.291	40	no	no
N.min	0.825	-67.899	166.559	63.368	34	no	no
N.min	0.825	-67.883	166.575	63.384	33	no	no
	0.825	-67.830	166.628	63.437	31	no	no
	0.825	-67.778	166.680	63.489	45	no	no
N.min	0.825	-67.768	166.690	63.499	30	no	no
	0.825	-67.767	166.690	63.499	34	no	no
	0.825	-67.756	166.702	63.511	33	no	no
	0.825	-67.708	166.749	63.558	32	no	no
	0.824	-67.652	166.806	63.615	33	no	no
	0.824	-67.651	166.806	63.615	40	no	no
N.min	0.824	-67.608	166.850	63.659	28	no	no
N.min	0.824	-67.604	166.854	63.663	35	no	no



N.min	0.824	-67.601	166.857	63.666	36	no	no
N.min	0.824	-67.586	166.871	63.680	35	no	no
N.min	0.824	-67.497	166.960	63.769	31	no	no
	0.824	-67.487	166.971	63.780	33	no	no
N.min	0.824	-67.447	167.010	63.819	37	no	no
N.min	0.824	-67.447	167.011	63.820	35	no	no
	0.823	-67.322	167.136	63.945	38	no	no
	0.823	-67.165	167.293	64.102	27	no	no
	0.823	-67.108	167.350	64.159	35	no	no
N.min	0.822	-67.024	167.434	64.243	37	no	no
	0.822	-66.970	167.488	64.297	42	no	no
N.min	0.822	-66.931	167.527	64.336	32	no	no
	0.822	-66.915	167.543	64.352	35	no	no
N.min	0.822	-66.883	167.574	64.383	35	no	no
	0.822	-66.878	167.579	64.388	20	no	no
N.min	0.822	-66.859	167.598	64.407	31	no	no
	0.822	-66.836	167.622	64.431	38	no	no
N.min	0.822	-66.810	167.648	64.457	30	no	no
N.min	0.822	-66.800	167.658	64.467	28	no	no
	0.822	-66.747	167.711	64.520	40	no	no
N.min	0.822	-66.726	167.731	64.540	36	no	no
N.min	0.822	-66.723	167.735	64.544	21	no	no
	0.821	-66.700	167.757	64.566	37	no	no
N.min	0.821	-66.674	167.784	64.593	28	no	no
	0.821	-66.618	167.840	64.649	32	no	no
	0.821	-66.550	167.908	64.717	26	no	no
N.min	0.821	-66.548	167.910	64.719	26	no	no
N.min	0.821	-66.508	167.950	64.759	35	no	no
	0.821	-66.498	167.960	64.769	40	no	no
N.min	0.821	-66.465	167.993	64.802	28	no	no
	0.820	-66.377	168.080	64.889	46	no	no
	0.820	-66.371	168.087	64.896	27	no	no
N.min	0.820	-66.365	168.092	64.901	29	no	no
N.min	0.820	-66.293	168.165	64.974	31	no	no
	0.820	-66.245	168.212	65.021	32	no	no
N.min	0.820	-66.233	168.225	65.034	30	no	no
	0.820	-66.230	168.228	65.037	29	no	no
	0.820	-66.139	168.319	65.128	31	no	no
N.min	0.819	-66.101	168.357	65.166	33	no	no
N.min	0.819	-66.065	168.392	65.201	26	no	no
N.min	0.819	-66.053	168.405	65.214	26	no	no
	0.819	-65.999	168.458	65.267	34	no	no
	0.819	-65.998	168.460	65.269	36	no	no
	0.819	-65.913	168.545	65.354	37	no	no
N.min	0.819	-65.891	168.567	65.376	32	no	no
	0.819	-65.834	168.624	65.433	39	no	no
N.min	0.819	-65.808	168.650	65.459	43	no	no
	0.818	-65.784	168.674	65.483	36	no	no
	0.818	-65.780	168.678	65.487	40	no	no
	0.818	-65.779	168.679	65.488	35	no	no
N.min	0.818	-65.772	168.686	65.495	43	no	no
N.min	0.818	-65.755	168.703	65.512	43	no	no
	0.818	-65.704	168.754	65.563	35	no	no
	0.818	-65.696	168.762	65.571	39	no	no
	0.818	-65.684	168.774	65.583	39	no	no
	0.818	-65.672	168.785	65.594	36	no	no
	0.818	-65.626	168.832	65.641	34	no	no
	0.817	-65.493	168.964	65.773	33	no	no
	0.817	-65.446	169.011	65.820	26	no	no
N.min	0.817	-65.411	169.046	65.855	38	no	no
	0.817	-65.374	169.084	65.893	35	no	no
	0.817	-65.361	169.096	65.905	35	no	no
N.min	0.817	-65.346	169.111	65.920	29	no	no

	0.817	-65.261	169.197	66.006	31	no	no
	0.817	-65.239	169.218	66.027	41	no	no
	0.817	-65.221	169.237	66.046	39	no	no
N.min	0.816	-65.166	169.292	66.101	38	no	no
	0.816	-65.163	169.295	66.104	33	no	no
	0.816	-65.157	169.301	66.110	27	no	no
	0.816	-65.104	169.354	66.163	41	no	no
N.min	0.816	-65.014	169.443	66.252	37	no	no
N.min	0.816	-64.993	169.465	66.274	36	no	no
N.min	0.816	-64.965	169.493	66.302	34	no	no
	0.816	-64.919	169.538	66.347	36	no	no
	0.815	-64.893	169.565	66.374	33	no	no
N.min	0.815	-64.843	169.614	66.423	33	no	no
N.min	0.815	-64.754	169.704	66.513	29	no	no
	0.815	-64.736	169.722	66.531	27	no	no
N.min	0.815	-64.732	169.726	66.535	34	no	no
	0.815	-64.727	169.731	66.540	38	no	no
N.min	0.815	-64.717	169.741	66.550	43	no	no
	0.815	-64.706	169.752	66.561	38	no	no
	0.815	-64.693	169.765	66.574	40	no	no
	0.815	-64.689	169.769	66.578	36	no	no
N.min	0.815	-64.660	169.797	66.606	45	no	no
	0.814	-64.554	169.904	66.713	25	no	no
	0.814	-64.545	169.912	66.721	38	no	no
	0.814	-64.543	169.915	66.724	28	no	no
N.min	0.814	-64.478	169.980	66.789	33	no	no
	0.814	-64.448	170.009	66.818	39	no	no
	0.814	-64.409	170.049	66.858	39	no	no
N.min	0.814	-64.380	170.077	66.886	41	no	no
	0.814	-64.370	170.087	66.896	28	no	no
N.min	0.814	-64.365	170.093	66.902	35	no	no
N.min	0.814	-64.353	170.104	66.913	22	no	no
	0.814	-64.329	170.129	66.938	40	no	no
	0.813	-64.308	170.149	66.958	42	no	no
	0.813	-64.241	170.217	67.026	40	no	no
	0.813	-64.219	170.239	67.048	37	no	no
	0.813	-64.177	170.280	67.089	32	no	no
	0.813	-64.177	170.280	67.089	41	no	no
	0.813	-64.138	170.320	67.129	39	no	no
N.min	0.813	-64.104	170.354	67.163	36	no	no
N.min	0.813	-64.085	170.373	67.182	33	no	no
	0.813	-64.082	170.375	67.184	35	no	no
N.min	0.813	-64.047	170.410	67.219	33	no	no
N.min	0.813	-64.026	170.432	67.241	39	no	no
	0.812	-63.981	170.477	67.286	41	no	no
N.min	0.812	-63.980	170.478	67.287	29	no	no
	0.812	-63.951	170.506	67.315	31	no	no
N.min	0.812	-63.867	170.590	67.399	35	no	no
	0.812	-63.852	170.606	67.415	24	no	no
N.min	0.812	-63.843	170.615	67.424	29	no	no
N.min	0.812	-63.814	170.643	67.452	35	no	no
N.min	0.812	-63.743	170.715	67.524	21	no	no
	0.812	-63.734	170.724	67.533	34	no	no
	0.811	-63.641	170.817	67.626	40	no	no
	0.811	-63.639	170.819	67.628	40	no	no
	0.811	-63.637	170.821	67.630	38	no	no
	0.811	-63.581	170.877	67.686	34	no	no
	0.811	-63.524	170.934	67.743	37	no	no
	0.811	-63.502	170.956	67.765	31	no	no
	0.811	-63.484	170.974	67.783	34	no	no
N.min	0.810	-63.402	171.056	67.865	35	no	no
N.min	0.810	-63.347	171.111	67.920	37	no	no
	0.810	-63.335	171.123	67.932	34	no	no

N.min	0.810	-63.333	171.125	67.934	34	no	no
	0.810	-63.329	171.129	67.938	40	no	no
N.min	0.810	-63.292	171.166	67.975	34	no	no
	0.810	-63.251	171.207	68.016	36	no	no
N.min	0.810	-63.193	171.265	68.074	38	no	no
N.min	0.809	-63.132	171.326	68.135	35	no	no
	0.809	-63.068	171.390	68.199	35	no	no
	0.809	-63.013	171.445	68.254	39	no	no
N.min	0.809	-63.000	171.457	68.266	22	no	no
N.min	0.809	-62.912	171.545	68.354	31	no	no
	0.809	-62.869	171.588	68.397	39	no	no
N.min	0.808	-62.849	171.609	68.418	28	no	no
	0.808	-62.834	171.623	68.432	40	no	no
N.min	0.808	-62.772	171.685	68.494	36	no	no
N.min	0.808	-62.764	171.694	68.503	35	no	no
N.min	0.808	-62.737	171.720	68.529	28	no	no
	0.808	-62.705	171.753	68.562	38	no	no
	0.808	-62.703	171.755	68.564	45	no	no
	0.808	-62.687	171.770	68.579	36	no	no
N.min	0.808	-62.669	171.788	68.597	39	no	no
	0.808	-62.642	171.815	68.624	33	no	no
N.min	0.808	-62.602	171.856	68.665	29	no	no
	0.808	-62.600	171.858	68.667	26	no	no
	0.808	-62.592	171.866	68.675	40	no	no
	0.808	-62.585	171.873	68.682	36	no	no
N.min	0.808	-62.573	171.885	68.694	37	no	no
N.min	0.807	-62.495	171.962	68.771	28	no	no
N.min	0.807	-62.431	172.027	68.836	28	no	no
	0.807	-62.418	172.040	68.849	33	no	no
N.min	0.807	-62.362	172.096	68.905	34	no	no
	0.807	-62.353	172.105	68.914	47	no	no
	0.807	-62.311	172.147	68.956	41	no	no
	0.807	-62.293	172.165	68.974	39	no	no
N.min	0.807	-62.292	172.166	68.975	34	no	no
N.min	0.806	-62.279	172.178	68.987	37	no	no
N.min	0.806	-62.272	172.186	68.995	37	no	no
N.min	0.806	-62.257	172.200	69.009	34	no	no
N.min	0.806	-62.238	172.220	69.029	28	no	no
N.min	0.806	-62.035	172.422	69.231	34	no	no
N.min	0.805	-61.976	172.482	69.291	27	no	no
	0.805	-61.938	172.520	69.329	41	no	no
N.min	0.805	-61.875	172.583	69.392	34	no	no
	0.805	-61.870	172.588	69.397	34	no	no
	0.805	-61.865	172.592	69.401	35	no	no
N.min	0.805	-61.864	172.594	69.403	35	no	no
	0.805	-61.859	172.598	69.407	32	no	no
N.min	0.804	-61.714	172.744	69.553	35	no	no
N.min	0.804	-61.710	172.748	69.557	36	no	no
N.min	0.804	-61.694	172.763	69.572	38	no	no
N.min	0.804	-61.677	172.781	69.590	42	no	no
N.min	0.804	-61.655	172.803	69.612	38	no	no
N.min	0.804	-61.653	172.805	69.614	30	no	no
	0.804	-61.641	172.817	69.626	31	no	no
N.min	0.804	-61.623	172.835	69.644	36	no	no
N.min	0.804	-61.547	172.911	69.720	28	no	no
N.min	0.804	-61.484	172.974	69.783	35	no	no
N.min	0.804	-61.478	172.979	69.788	22	no	no
	0.804	-61.454	173.004	69.813	39	no	no
N.min	0.804	-61.447	173.011	69.820	34	no	no
N.min	0.803	-61.435	173.022	69.831	41	no	no
	0.803	-61.417	173.040	69.849	30	no	no
	0.803	-61.382	173.075	69.884	33	no	no
N.min	0.803	-61.302	173.156	69.965	36	no	no

	0.803	-61.283	173.174	69.983	40	no	no
	0.803	-61.277	173.181	69.990	31	no	no
N.min	0.803	-61.272	173.186	69.995	30	no	no
	0.802	-61.127	173.331	70.140	33	no	no
	0.802	-61.117	173.340	70.149	37	no	no
N.min	0.802	-61.106	173.352	70.161	23	no	no
N.min	0.802	-61.065	173.392	70.201	33	no	no
N.min	0.802	-61.062	173.396	70.205	29	no	no
N.min	0.802	-61.035	173.423	70.232	42	no	no
N.min	0.802	-61.035	173.423	70.232	30	no	no
N.min	0.802	-61.000	173.458	70.267	29	no	no
	0.802	-60.963	173.494	70.303	28	no	no
N.min	0.801	-60.863	173.594	70.403	31	no	no
N.min	0.801	-60.848	173.610	70.419	44	no	no
	0.801	-60.842	173.615	70.424	33	no	no
N.min	0.801	-60.830	173.628	70.437	30	no	no
	0.801	-60.791	173.667	70.476	39	no	no
N.min	0.801	-60.781	173.677	70.486	29	no	no
N.min	0.801	-60.780	173.677	70.486	44	no	no
N.min	0.801	-60.779	173.679	70.488	30	no	no
	0.801	-60.709	173.749	70.558	25	no	no
N.min	0.801	-60.670	173.788	70.597	29	no	no
N.min	0.801	-60.644	173.814	70.623	32	no	no
N.min	0.801	-60.636	173.822	70.631	28	no	no
	0.800	-60.497	173.961	70.770	32	no	no
N.min	0.800	-60.462	173.996	70.805	39	no	no
	0.800	-60.456	174.001	70.810	32	no	no
N.min	0.800	-60.456	174.002	70.811	17	no	yes
	0.800	-60.425	174.033	70.842	38	no	no
N.min	0.800	-60.414	174.043	70.852	43	no	no
	0.800	-60.411	174.047	70.856	32	no	no
N.min	0.799	-60.329	174.129	70.938	30	no	no
	0.799	-60.318	174.139	70.948	39	no	no
	0.799	-60.305	174.153	70.962	37	no	no
N.min	0.799	-60.290	174.168	70.977	38	no	no
	0.799	-60.272	174.186	70.995	35	no	no
N.min	0.799	-60.202	174.256	71.065	30	no	no
N.min	0.799	-60.159	174.299	71.108	37	no	no
N.min	0.799	-60.157	174.301	71.110	40	no	no
	0.799	-60.153	174.305	71.114	38	no	no
N.min	0.799	-60.082	174.376	71.185	39	no	no
N.min	0.799	-60.064	174.394	71.203	37	no	no
N.min	0.798	-60.056	174.402	71.211	41	no	no
	0.798	-60.034	174.424	71.233	31	no	no
	0.798	-60.002	174.456	71.265	32	no	no
	0.798	-59.991	174.467	71.276	38	no	no
N.min	0.798	-59.973	174.485	71.294	34	no	no
N.min	0.798	-59.946	174.512	71.321	36	no	no
	0.798	-59.935	174.523	71.332	34	no	no
	0.798	-59.927	174.531	71.340	36	no	no
	0.798	-59.910	174.548	71.357	34	no	no
N.min	0.798	-59.884	174.574	71.383	36	no	no
	0.798	-59.880	174.578	71.387	38	no	no
	0.798	-59.876	174.582	71.391	33	no	no
	0.798	-59.863	174.595	71.404	29	no	no
N.min	0.798	-59.855	174.603	71.412	33	no	no
N.min	0.797	-59.776	174.682	71.491	43	no	no
N.min	0.797	-59.759	174.699	71.508	30	no	no
	0.797	-59.747	174.710	71.519	30	no	no
N.min	0.797	-59.745	174.713	71.522	41	no	no
N.min	0.797	-59.735	174.722	71.531	34	no	no
N.min	0.797	-59.656	174.801	71.610	37	no	no
N.min	0.797	-59.617	174.841	71.650	40	no	no

	0.797	-59.616	174.842	71.651	32	no	no
	0.797	-59.609	174.848	71.657	39	no	no
N.min	0.796	-59.511	174.947	71.756	29	no	no
N.min	0.796	-59.506	174.952	71.761	29	no	no
	0.796	-59.481	174.976	71.785	33	no	no
	0.796	-59.481	174.977	71.786	30	no	no
	0.796	-59.478	174.980	71.789	31	no	no
N.min	0.796	-59.467	174.991	71.800	42	no	no
N.min	0.796	-59.432	175.026	71.835	24	no	no
N.min	0.796	-59.422	175.035	71.844	23	no	no
N.min	0.796	-59.421	175.037	71.846	33	no	no
N.min	0.796	-59.386	175.072	71.881	22	no	no
	0.796	-59.381	175.077	71.886	42	no	no
	0.796	-59.349	175.109	71.918	32	no	no
N.min	0.796	-59.346	175.111	71.920	35	no	no
N.min	0.796	-59.330	175.128	71.937	42	no	no
N.min	0.796	-59.282	175.175	71.984	33	no	no
N.min	0.795	-59.116	175.342	72.151	41	no	no
	0.795	-59.051	175.407	72.216	38	no	no
	0.794	-58.960	175.498	72.307	40	no	no
	0.794	-58.948	175.510	72.319	27	no	no
	0.794	-58.869	175.589	72.398	30	no	no
	0.794	-58.861	175.597	72.406	38	no	no
N.min	0.794	-58.853	175.605	72.414	38	no	no
	0.794	-58.848	175.610	72.419	42	no	no
	0.794	-58.824	175.633	72.442	31	no	no
N.min	0.794	-58.812	175.646	72.455	35	no	no
N.min	0.794	-58.801	175.657	72.466	34	no	no
	0.794	-58.749	175.709	72.518	40	no	no
	0.794	-58.742	175.716	72.525	41	no	no
	0.794	-58.714	175.744	72.553	35	no	no
N.min	0.793	-58.693	175.765	72.574	34	no	no
	0.793	-58.636	175.822	72.631	30	no	no
	0.793	-58.605	175.852	72.661	29	no	no
N.min	0.793	-58.605	175.853	72.662	35	no	no
	0.793	-58.577	175.880	72.689	30	no	no
N.min	0.793	-58.546	175.911	72.720	29	no	no
N.min	0.793	-58.522	175.936	72.745	24	no	no
	0.793	-58.515	175.942	72.751	31	no	no
N.min	0.793	-58.496	175.962	72.771	39	no	no
N.min	0.793	-58.450	176.008	72.817	37	no	no
	0.792	-58.431	176.027	72.836	38	no	no
	0.792	-58.413	176.045	72.854	36	no	no
	0.792	-58.337	176.121	72.930	39	no	no
N.min	0.792	-58.317	176.141	72.950	40	no	no
	0.792	-58.313	176.145	72.954	32	no	no
	0.792	-58.296	176.162	72.971	32	no	no
N.min	0.792	-58.217	176.240	73.049	33	no	no
N.min	0.792	-58.196	176.262	73.071	36	no	no
N.min	0.792	-58.195	176.263	73.072	27	no	no
N.min	0.791	-58.159	176.299	73.108	25	no	no
N.min	0.791	-58.144	176.314	73.123	31	no	no
N.min	0.791	-58.141	176.316	73.125	35	no	no
N.min	0.791	-58.061	176.397	73.206	32	no	no
	0.791	-58.000	176.458	73.267	24	no	no
N.min	0.791	-57.980	176.477	73.286	28	no	no
	0.791	-57.964	176.494	73.303	30	no	no
N.min	0.790	-57.903	176.555	73.364	35	no	no
N.min	0.790	-57.883	176.575	73.384	28	no	no
N.min	0.790	-57.823	176.635	73.444	30	no	no
	0.790	-57.700	176.758	73.567	40	no	no
N.min	0.789	-57.620	176.838	73.647	29	no	no
	0.789	-57.615	176.843	73.652	25	no	no

	0.789	-57.443	177.015	73.824	38	no	no
	0.788	-57.278	177.179	73.988	35	no	no
N.min	0.788	-57.275	177.183	73.992	33	no	no
N.min	0.788	-57.228	177.230	74.039	36	no	no
N.min	0.788	-57.223	177.235	74.044	43	no	no
	0.788	-57.188	177.270	74.079	37	no	no
N.min	0.788	-57.185	177.273	74.082	42	no	no
	0.788	-57.140	177.318	74.127	37	no	no
	0.787	-56.979	177.479	74.288	41	no	no
N.min	0.787	-56.950	177.508	74.317	43	no	no
N.min	0.787	-56.932	177.526	74.335	27	no	no
N.min	0.787	-56.928	177.530	74.339	29	no	no
N.min	0.787	-56.921	177.537	74.346	30	no	no
	0.787	-56.910	177.548	74.357	28	no	no
N.min	0.787	-56.903	177.555	74.364	31	no	no
	0.787	-56.900	177.558	74.367	34	no	no
	0.786	-56.810	177.647	74.456	38	no	no
N.min	0.786	-56.805	177.653	74.462	35	no	no
N.min	0.786	-56.778	177.680	74.489	35	no	no
N.min	0.786	-56.772	177.686	74.495	29	no	no
N.min	0.786	-56.633	177.825	74.634	32	no	no
	0.785	-56.605	177.853	74.662	27	no	no
N.min	0.785	-56.605	177.853	74.662	41	no	no
N.min	0.785	-56.599	177.859	74.668	30	no	no
N.min	0.785	-56.588	177.870	74.679	36	no	no
	0.785	-56.529	177.929	74.738	40	no	no
	0.785	-56.465	177.993	74.802	34	no	no
	0.785	-56.421	178.036	74.845	34	no	no
	0.785	-56.420	178.037	74.846	37	no	no
N.min	0.785	-56.406	178.052	74.861	47	no	no
N.min	0.785	-56.399	178.058	74.867	37	no	no
	0.785	-56.379	178.079	74.888	33	no	no
N.min	0.784	-56.360	178.098	74.907	43	no	no
	0.784	-56.341	178.117	74.926	38	no	no
	0.784	-56.324	178.133	74.942	39	no	no
	0.784	-56.319	178.139	74.948	42	no	no
	0.784	-56.310	178.148	74.957	31	no	no
	0.784	-56.235	178.223	75.032	35	no	no
	0.784	-56.145	178.313	75.122	39	no	no
N.min	0.784	-56.135	178.323	75.132	40	no	no
N.min	0.783	-56.065	178.393	75.202	41	no	no
	0.783	-56.053	178.405	75.214	31	no	no
	0.783	-56.052	178.405	75.214	34	no	no
N.min	0.783	-56.039	178.419	75.228	37	no	no
N.min	0.783	-56.035	178.423	75.232	28	no	no
N.min	0.783	-56.032	178.425	75.234	42	no	no
N.min	0.783	-56.009	178.448	75.257	34	no	no
	0.783	-55.992	178.465	75.274	36	no	no
	0.783	-55.964	178.494	75.303	39	no	no
N.min	0.783	-55.860	178.598	75.407	36	no	no
N.min	0.782	-55.839	178.619	75.428	31	no	no
N.min	0.782	-55.830	178.628	75.437	43	no	no
	0.782	-55.809	178.648	75.457	34	no	no
N.min	0.782	-55.797	178.660	75.469	34	no	no
N.min	0.782	-55.756	178.702	75.511	44	no	no
N.min	0.782	-55.718	178.739	75.548	27	no	no
	0.782	-55.686	178.772	75.581	41	no	no
	0.782	-55.667	178.791	75.600	38	no	no
	0.782	-55.663	178.795	75.604	21	no	no
N.min	0.782	-55.639	178.819	75.628	42	no	no
	0.782	-55.607	178.851	75.660	35	no	no
N.min	0.781	-55.592	178.866	75.675	29	no	no
	0.781	-55.580	178.878	75.687	35	no	no

	0.781	-55.544	178.914	75.723	22	no	no
	0.781	-55.522	178.936	75.745	31	no	no
N.min	0.781	-55.497	178.960	75.769	41	no	no
N.min	0.781	-55.497	178.961	75.770	30	no	no
	0.781	-55.492	178.966	75.775	32	no	no
N.min	0.781	-55.484	178.974	75.783	24	no	no
N.min	0.781	-55.483	178.975	75.784	40	no	no
N.min	0.781	-55.355	179.103	75.912	29	no	no
	0.781	-55.351	179.107	75.916	35	no	no
	0.780	-55.335	179.122	75.931	32	no	no
	0.780	-55.273	179.185	75.994	44	no	no
N.min	0.780	-55.269	179.189	75.998	40	no	no
N.min	0.780	-55.220	179.237	76.046	33	no	no
N.min	0.780	-55.186	179.272	76.081	30	no	no
	0.779	-55.074	179.384	76.193	35	no	no
	0.779	-55.066	179.391	76.200	36	no	no
	0.779	-55.037	179.421	76.230	40	no	no
N.min	0.779	-55.022	179.436	76.245	45	no	no
	0.779	-54.975	179.482	76.291	46	no	no
	0.779	-54.956	179.502	76.311	38	no	no
	0.779	-54.927	179.531	76.340	46	no	no
N.min	0.779	-54.903	179.554	76.363	39	no	no
	0.779	-54.898	179.560	76.369	28	no	no
N.min	0.779	-54.876	179.582	76.391	38	no	no
N.min	0.778	-54.809	179.649	76.458	36	no	no
	0.778	-54.801	179.657	76.466	45	no	no
N.min	0.778	-54.778	179.680	76.489	42	no	no
N.min	0.778	-54.746	179.711	76.520	41	no	no
N.min	0.778	-54.741	179.717	76.526	38	no	no
N.min	0.778	-54.702	179.756	76.565	30	no	no
	0.778	-54.676	179.782	76.591	35	no	no
N.min	0.777	-54.600	179.858	76.667	35	no	no
N.min	0.777	-54.583	179.874	76.683	36	no	no
	0.777	-54.554	179.904	76.713	29	no	no
	0.777	-54.548	179.910	76.719	40	no	no
N.min	0.777	-54.533	179.925	76.734	37	no	no
	0.777	-54.517	179.941	76.750	39	no	no
	0.777	-54.504	179.954	76.763	39	no	no
	0.777	-54.433	180.025	76.834	37	no	no
N.min	0.777	-54.429	180.029	76.838	36	no	no
N.min	0.777	-54.389	180.068	76.877	36	no	no
N.min	0.777	-54.383	180.075	76.884	40	no	no
	0.777	-54.367	180.090	76.899	39	no	no
	0.776	-54.356	180.102	76.911	47	no	no
	0.776	-54.353	180.105	76.914	37	no	no
N.min	0.776	-54.340	180.118	76.927	31	no	no
	0.776	-54.297	180.160	76.969	31	no	no
	0.776	-54.282	180.176	76.985	46	no	no
N.min	0.776	-54.281	180.177	76.986	37	no	no
N.min	0.776	-54.273	180.185	76.994	31	no	no
	0.776	-54.262	180.196	77.005	34	no	no
N.min	0.776	-54.257	180.201	77.010	47	no	no
N.min	0.776	-54.250	180.207	77.016	35	no	no
N.min	0.776	-54.247	180.211	77.020	46	no	no
N.min	0.776	-54.210	180.248	77.057	30	no	no
	0.776	-54.187	180.270	77.079	40	no	no
N.min	0.776	-54.172	180.286	77.095	48	no	no
	0.776	-54.150	180.308	77.117	37	no	no
	0.776	-54.141	180.316	77.125	36	no	no
	0.776	-54.136	180.322	77.131	37	no	no
N.min	0.775	-54.087	180.371	77.180	42	no	no
	0.775	-54.084	180.373	77.182	32	no	no
N.min	0.775	-54.082	180.376	77.185	31	no	no



	0.775	-54.012	180.446	77.255	38	no	no
N.min	0.775	-53.969	180.489	77.298	31	no	no
N.min	0.775	-53.962	180.495	77.304	33	no	no
	0.775	-53.947	180.510	77.319	36	no	no
N.min	0.775	-53.879	180.579	77.388	30	no	no
N.min	0.774	-53.806	180.651	77.460	37	no	no
	0.774	-53.744	180.713	77.522	45	no	no
N.min	0.774	-53.731	180.727	77.536	32	no	no
N.min	0.774	-53.730	180.728	77.537	29	no	no
N.min	0.774	-53.710	180.747	77.556	24	no	no
N.min	0.774	-53.674	180.784	77.593	42	no	no
N.min	0.774	-53.665	180.793	77.602	43	no	no
	0.773	-53.573	180.885	77.694	41	no	no
N.min	0.773	-53.569	180.889	77.698	31	no	no
	0.773	-53.552	180.906	77.715	37	no	no
N.min	0.773	-53.545	180.913	77.722	31	no	no
	0.773	-53.531	180.926	77.735	25	no	no
N.min	0.773	-53.514	180.944	77.753	31	no	no
	0.773	-53.508	180.950	77.759	33	no	no
N.min	0.773	-53.480	180.978	77.787	38	no	no
	0.773	-53.447	181.011	77.820	41	no	no
N.min	0.773	-53.437	181.020	77.829	45	no	no
N.min	0.772	-53.349	181.109	77.918	38	no	no
	0.772	-53.268	181.190	77.999	36	no	no
N.min	0.772	-53.252	181.206	78.015	35	no	no
	0.771	-53.132	181.326	78.135	39	no	no
	0.771	-53.071	181.386	78.195	45	no	no
	0.771	-53.022	181.436	78.245	30	no	no
	0.771	-53.005	181.453	78.262	43	no	no
N.min	0.771	-53.002	181.456	78.265	41	no	no
N.min	0.771	-52.989	181.469	78.278	40	no	no
	0.771	-52.976	181.481	78.290	40	no	no
N.min	0.771	-52.937	181.520	78.329	35	no	no
	0.771	-52.937	181.520	78.329	33	no	no
	0.771	-52.936	181.522	78.331	38	no	no
	0.770	-52.871	181.587	78.396	34	no	no
	0.770	-52.865	181.593	78.402	37	no	no
N.min	0.770	-52.809	181.649	78.458	37	no	no
	0.770	-52.805	181.653	78.462	32	no	no
	0.770	-52.796	181.662	78.471	38	no	no
N.min	0.770	-52.794	181.664	78.473	39	no	no
	0.770	-52.762	181.696	78.505	38	no	no
	0.770	-52.745	181.713	78.522	37	no	no
N.min	0.770	-52.719	181.739	78.548	38	no	no
N.min	0.770	-52.713	181.745	78.554	41	no	no
	0.770	-52.699	181.758	78.567	34	no	no
	0.770	-52.698	181.760	78.569	38	no	no
N.min	0.770	-52.696	181.762	78.571	41	no	no
	0.770	-52.693	181.765	78.574	27	no	no
N.min	0.770	-52.684	181.773	78.582	33	no	no
	0.770	-52.666	181.792	78.601	36	no	no
	0.769	-52.624	181.834	78.643	29	no	no
N.min	0.769	-52.608	181.850	78.659	42	no	no
	0.769	-52.589	181.869	78.678	36	no	no
N.min	0.769	-52.587	181.871	78.680	40	no	no
N.min	0.769	-52.582	181.876	78.685	36	no	no
N.min	0.769	-52.555	181.903	78.712	36	no	no
	0.769	-52.549	181.909	78.718	31	no	no
N.min	0.769	-52.500	181.958	78.767	34	no	no
	0.769	-52.463	181.995	78.804	40	no	no
	0.769	-52.439	182.019	78.828	44	no	no
N.min	0.768	-52.408	182.049	78.858	43	no	no
	0.768	-52.405	182.053	78.862	28	no	no

	0.768	-52.398	182.060	78.869	38	no	no
	0.768	-52.389	182.069	78.878	26	no	no
N.min	0.768	-52.318	182.140	78.949	42	no	no
	0.768	-52.312	182.146	78.955	29	no	no
	0.768	-52.301	182.157	78.966	41	no	no
	0.768	-52.289	182.169	78.978	34	no	no
	0.768	-52.188	182.269	79.078	32	no	no
	0.767	-52.178	182.280	79.089	26	no	no
N.min	0.767	-52.128	182.330	79.139	40	no	no
	0.767	-52.072	182.385	79.194	33	no	no
N.min	0.767	-52.028	182.430	79.239	35	no	no
N.min	0.767	-52.023	182.435	79.244	35	no	no
	0.767	-52.022	182.435	79.244	39	no	no
	0.767	-51.988	182.470	79.279	27	no	no
	0.767	-51.970	182.487	79.296	40	no	no
N.min	0.767	-51.964	182.493	79.302	43	no	no
	0.766	-51.943	182.514	79.323	38	no	no
N.min	0.766	-51.841	182.617	79.426	43	no	no
N.min	0.766	-51.824	182.634	79.443	38	no	no
	0.766	-51.789	182.668	79.477	42	no	no
	0.766	-51.770	182.687	79.496	33	no	no
	0.766	-51.758	182.700	79.509	34	no	no
N.min	0.766	-51.754	182.704	79.513	24	no	no
	0.765	-51.713	182.745	79.554	35	no	no
N.min	0.765	-51.707	182.751	79.560	38	no	no
	0.765	-51.701	182.757	79.566	32	no	no
N.min	0.765	-51.700	182.757	79.566	41	no	no
N.min	0.765	-51.670	182.788	79.597	36	no	no
N.min	0.765	-51.636	182.822	79.631	23	no	no
	0.765	-51.571	182.887	79.696	46	no	no
N.min	0.765	-51.558	182.899	79.708	37	no	no
N.min	0.765	-51.543	182.915	79.724	37	no	no
	0.765	-51.528	182.930	79.739	25	no	no
N.min	0.765	-51.509	182.949	79.758	40	no	no
	0.765	-51.503	182.955	79.764	45	no	no
N.min	0.764	-51.455	183.003	79.812	46	no	no
	0.764	-51.329	183.129	79.938	39	no	no
N.min	0.764	-51.312	183.146	79.955	35	no	no
	0.764	-51.293	183.165	79.974	43	no	no
N.min	0.764	-51.263	183.195	80.004	28	no	no
	0.764	-51.251	183.207	80.016	27	no	no
	0.763	-51.243	183.214	80.023	34	no	no
N.min	0.763	-51.156	183.302	80.111	34	no	no
	0.763	-51.071	183.387	80.196	39	no	no
N.min	0.763	-51.064	183.394	80.203	37	no	no
N.min	0.763	-51.057	183.400	80.209	40	no	no
	0.763	-51.047	183.410	80.219	38	no	no
	0.762	-50.997	183.461	80.270	32	no	no
	0.762	-50.987	183.471	80.280	36	no	no
	0.762	-50.972	183.485	80.294	33	no	no
N.min	0.762	-50.937	183.520	80.329	32	no	no
	0.762	-50.928	183.530	80.339	42	no	no
N.min	0.762	-50.925	183.533	80.342	42	no	no
	0.762	-50.904	183.554	80.363	47	no	no
N.min	0.762	-50.896	183.562	80.371	42	no	no
N.min	0.762	-50.875	183.583	80.392	35	no	no
	0.762	-50.846	183.612	80.421	41	no	no
	0.762	-50.838	183.619	80.428	44	no	no
	0.762	-50.825	183.633	80.442	38	no	no
	0.762	-50.788	183.670	80.479	37	no	no
N.min	0.761	-50.674	183.784	80.593	44	no	no
	0.761	-50.606	183.852	80.661	45	no	no
N.min	0.760	-50.550	183.908	80.717	36	no	no

N.min	0.760	-50.545	183.913	80.722	40	no	no
	0.760	-50.534	183.924	80.733	35	no	no
N.min	0.760	-50.527	183.931	80.740	31	no	no
N.min	0.760	-50.519	183.938	80.747	37	no	no
	0.760	-50.455	184.002	80.811	26	no	no
	0.760	-50.445	184.013	80.822	36	no	no
N.min	0.760	-50.374	184.084	80.893	31	no	no
	0.760	-50.349	184.109	80.918	43	no	no
N.min	0.759	-50.271	184.187	80.996	39	no	no
N.min	0.759	-50.268	184.190	80.999	27	no	no
N.min	0.759	-50.257	184.201	81.010	37	no	no
N.min	0.759	-50.240	184.218	81.027	30	no	no
N.min	0.759	-50.182	184.276	81.085	41	no	no
	0.759	-50.159	184.299	81.108	39	no	no
	0.759	-50.128	184.330	81.139	31	no	no
	0.758	-50.071	184.386	81.195	29	no	no
	0.758	-50.049	184.409	81.218	45	no	no
N.min	0.758	-50.042	184.415	81.224	36	no	no
N.min	0.758	-50.017	184.441	81.250	32	no	no
	0.758	-50.010	184.448	81.257	36	no	no
N.min	0.758	-49.929	184.529	81.338	39	no	no
	0.757	-49.842	184.615	81.424	37	no	no
	0.757	-49.828	184.629	81.438	45	no	no
N.min	0.757	-49.827	184.631	81.440	33	no	no
N.min	0.757	-49.812	184.646	81.455	31	no	no
N.min	0.757	-49.747	184.711	81.520	39	no	no
	0.757	-49.682	184.776	81.585	41	no	no
N.min	0.757	-49.672	184.786	81.595	36	no	no
N.min	0.757	-49.669	184.788	81.597	35	no	no
N.min	0.756	-49.593	184.865	81.674	41	no	no
N.min	0.756	-49.476	184.982	81.791	24	no	no
	0.756	-49.468	184.990	81.799	44	no	no
	0.755	-49.382	185.076	81.885	38	no	no
	0.755	-49.353	185.104	81.913	38	no	no
	0.755	-49.347	185.111	81.920	26	no	no
	0.755	-49.337	185.121	81.930	41	no	no
N.min	0.755	-49.320	185.138	81.947	23	no	no
N.min	0.755	-49.264	185.194	82.003	36	no	no
N.min	0.755	-49.251	185.207	82.016	31	no	no
N.min	0.755	-49.241	185.217	82.026	40	no	no
	0.755	-49.208	185.250	82.059	45	no	no
N.min	0.754	-49.105	185.353	82.162	38	no	no
	0.754	-49.047	185.411	82.220	45	no	no
	0.754	-49.041	185.417	82.226	39	no	no
N.min	0.754	-49.040	185.418	82.227	39	no	no
	0.754	-49.030	185.428	82.237	34	no	no
	0.754	-49.014	185.444	82.253	27	no	no
	0.754	-49.002	185.456	82.265	33	no	no
N.min	0.754	-48.982	185.476	82.285	32	no	no
N.min	0.753	-48.943	185.515	82.324	36	no	no
	0.753	-48.915	185.543	82.352	35	no	no
N.min	0.753	-48.904	185.554	82.363	38	no	no
	0.753	-48.897	185.561	82.370	40	no	no
N.min	0.753	-48.817	185.641	82.450	44	no	no
N.min	0.753	-48.769	185.689	82.498	41	no	no
N.min	0.753	-48.768	185.689	82.498	42	no	no
	0.752	-48.695	185.763	82.572	33	no	no
	0.752	-48.666	185.792	82.601	34	no	no
	0.752	-48.658	185.800	82.609	43	no	no
N.min	0.752	-48.552	185.906	82.715	29	no	no
	0.751	-48.517	185.941	82.750	37	no	no
	0.751	-48.351	186.106	82.915	35	no	no
	0.751	-48.320	186.138	82.947	41	no	no

N.min	0.751	-48.317	186.141	82.950	29	no	no
N.min	0.750	-48.262	186.195	83.004	28	no	no
	0.750	-48.221	186.237	83.046	37	no	no
N.min	0.750	-48.180	186.277	83.086	39	no	no
N.min	0.749	-48.042	186.416	83.225	34	no	no
N.min	0.749	-48.007	186.450	83.259	36	no	no
N.min	0.749	-47.961	186.497	83.306	38	no	no
N.min	0.749	-47.903	186.555	83.364	37	no	no
N.min	0.748	-47.847	186.611	83.420	44	no	no
N.min	0.748	-47.761	186.697	83.506	42	no	no
	0.748	-47.736	186.722	83.531	40	no	no
N.min	0.748	-47.733	186.725	83.534	34	no	no
N.min	0.747	-47.645	186.813	83.622	42	no	no
N.min	0.747	-47.563	186.895	83.704	33	no	no
	0.747	-47.539	186.919	83.728	38	no	no
N.min	0.747	-47.521	186.937	83.746	38	no	no
N.min	0.747	-47.510	186.948	83.757	26	no	no
	0.747	-47.496	186.961	83.770	36	no	no
	0.747	-47.454	187.004	83.813	42	no	no
	0.746	-47.428	187.030	83.839	26	no	no
	0.746	-47.410	187.048	83.857	33	no	no
	0.746	-47.386	187.072	83.881	38	no	no
	0.746	-47.341	187.116	83.925	39	no	no
N.min	0.746	-47.306	187.152	83.961	32	no	no
	0.746	-47.289	187.169	83.978	29	no	no
N.min	0.746	-47.255	187.203	84.012	35	no	no
	0.746	-47.223	187.235	84.044	42	no	no
	0.745	-47.092	187.366	84.175	30	no	no
	0.745	-47.083	187.375	84.184	47	no	no
N.min	0.745	-47.010	187.447	84.256	28	no	no
	0.744	-46.970	187.488	84.297	43	no	no
	0.744	-46.968	187.490	84.299	42	no	no
	0.744	-46.949	187.508	84.317	35	no	no
N.min	0.744	-46.934	187.523	84.332	28	no	no
	0.744	-46.912	187.546	84.355	47	no	no
	0.744	-46.786	187.672	84.481	39	no	no
	0.743	-46.767	187.690	84.499	33	no	no
	0.743	-46.760	187.698	84.507	44	no	no
	0.743	-46.728	187.730	84.539	43	no	no
	0.743	-46.713	187.745	84.554	46	no	no
	0.743	-46.692	187.765	84.574	44	no	no
N.min	0.743	-46.589	187.869	84.678	43	no	no
	0.742	-46.532	187.926	84.735	28	no	no
N.min	0.742	-46.463	187.995	84.804	38	no	no
	0.742	-46.432	188.026	84.835	37	no	no
	0.741	-46.299	188.159	84.968	44	no	no
	0.741	-46.298	188.159	84.968	36	no	no
N.min	0.741	-46.242	188.215	85.024	42	no	no
N.min	0.740	-46.139	188.319	85.128	36	no	no
	0.740	-46.121	188.337	85.146	36	no	no
N.min	0.740	-46.074	188.384	85.193	42	no	no
	0.740	-46.052	188.406	85.215	39	no	no
	0.740	-46.043	188.414	85.223	41	no	no
N.min	0.740	-45.982	188.475	85.284	34	no	no
N.min	0.740	-45.945	188.513	85.322	42	no	no
N.min	0.739	-45.855	188.603	85.412	41	no	no
N.min	0.739	-45.775	188.683	85.492	49	no	no
	0.738	-45.682	188.776	85.585	35	no	no
	0.738	-45.630	188.828	85.637	40	no	no
N.min	0.738	-45.609	188.849	85.658	48	no	no
	0.738	-45.591	188.867	85.676	40	no	no
N.min	0.737	-45.493	188.964	85.773	41	no	no
N.min	0.737	-45.475	188.983	85.792	39	no	no

	0.737	-45.448	189.010	85.819	38	no	no
	0.737	-45.414	189.043	85.852	43	no	no
	0.737	-45.366	189.092	85.901	36	no	no
	0.737	-45.364	189.093	85.902	30	no	no
N.min	0.736	-45.301	189.156	85.965	40	no	no
N.min	0.736	-45.267	189.191	86.000	43	no	no
	0.736	-45.265	189.192	86.001	33	no	no
	0.736	-45.261	189.197	86.006	35	no	no
	0.736	-45.241	189.217	86.026	40	no	no
	0.736	-45.198	189.260	86.069	38	no	no
N.min	0.736	-45.189	189.269	86.078	34	no	no
	0.736	-45.183	189.275	86.084	32	no	no
N.min	0.736	-45.166	189.292	86.101	35	no	no
N.min	0.736	-45.160	189.298	86.107	37	no	no
	0.736	-45.126	189.332	86.141	42	no	no
	0.735	-45.056	189.402	86.211	41	no	no
N.min	0.735	-45.055	189.403	86.212	34	no	no
N.min	0.735	-44.998	189.459	86.268	40	no	no
	0.735	-44.978	189.479	86.288	39	no	no
	0.734	-44.880	189.578	86.387	34	no	no
	0.734	-44.860	189.597	86.406	41	no	no
	0.734	-44.828	189.630	86.439	34	no	no
	0.734	-44.716	189.741	86.550	39	no	no
N.min	0.734	-44.700	189.758	86.567	36	no	no
	0.733	-44.663	189.794	86.603	37	no	no
	0.733	-44.596	189.861	86.670	45	no	no
N.min	0.733	-44.541	189.917	86.726	41	no	no
	0.732	-44.470	189.988	86.797	37	no	no
N.min	0.732	-44.428	190.030	86.839	36	no	no
N.min	0.732	-44.382	190.075	86.884	35	no	no
	0.732	-44.369	190.089	86.898	40	no	no
	0.732	-44.317	190.141	86.950	43	no	no
N.min	0.731	-44.267	190.191	87.000	31	no	no
	0.731	-44.258	190.199	87.008	31	no	no
N.min	0.731	-44.187	190.271	87.080	47	no	no
N.min	0.731	-44.175	190.283	87.092	47	no	no
N.min	0.731	-44.172	190.286	87.095	42	no	no
	0.731	-44.146	190.311	87.120	40	no	no
N.min	0.731	-44.124	190.334	87.143	41	no	no
N.min	0.731	-44.115	190.343	87.152	35	no	no
	0.731	-44.084	190.374	87.183	33	no	no
N.min	0.730	-44.059	190.399	87.208	37	no	no
	0.730	-44.049	190.409	87.218	39	no	no
N.min	0.730	-43.990	190.468	87.277	35	no	no
	0.730	-43.943	190.515	87.324	38	no	no
N.min	0.730	-43.921	190.537	87.346	33	no	no
	0.729	-43.851	190.607	87.416	32	no	no
	0.729	-43.840	190.618	87.427	44	no	no
N.min	0.729	-43.767	190.691	87.500	35	no	no
N.min	0.729	-43.674	190.783	87.592	36	no	no
	0.728	-43.549	190.908	87.717	40	no	no
	0.728	-43.518	190.940	87.749	35	no	no
N.min	0.728	-43.474	190.984	87.793	36	no	no
	0.727	-43.445	191.013	87.822	45	no	no
	0.727	-43.423	191.034	87.843	42	no	no
	0.727	-43.407	191.051	87.860	38	no	no
	0.727	-43.383	191.075	87.884	37	no	no
N.min	0.727	-43.272	191.185	87.994	37	no	no
	0.727	-43.255	191.203	88.012	34	no	no
N.min	0.726	-43.238	191.219	88.028	40	no	no
N.min	0.726	-43.233	191.225	88.034	38	no	no
	0.726	-43.219	191.239	88.048	38	no	no
	0.726	-43.203	191.255	88.064	43	no	no

N.min	0.726	-43.162	191.296	88.105	43	no	no
N.min	0.726	-43.152	191.306	88.115	39	no	no
N.min	0.726	-43.146	191.312	88.121	35	no	no
N.min	0.726	-43.139	191.319	88.128	30	no	no
	0.726	-43.098	191.360	88.169	28	no	no
N.min	0.726	-43.058	191.400	88.209	42	no	no
N.min	0.726	-43.054	191.404	88.213	42	no	no
	0.725	-43.004	191.454	88.263	42	no	no
N.min	0.725	-42.966	191.491	88.300	32	no	no
N.min	0.725	-42.946	191.512	88.321	30	no	no
N.min	0.725	-42.939	191.519	88.328	35	no	no
N.min	0.725	-42.890	191.568	88.377	40	no	no
	0.725	-42.881	191.576	88.385	43	no	no
N.min	0.724	-42.822	191.636	88.445	38	no	no
N.min	0.724	-42.780	191.678	88.487	37	no	no
N.min	0.724	-42.656	191.802	88.611	41	no	no
	0.723	-42.648	191.809	88.618	41	no	no
	0.723	-42.617	191.841	88.650	42	no	no
N.min	0.723	-42.616	191.841	88.650	43	no	no
N.min	0.723	-42.585	191.873	88.682	37	no	no
	0.723	-42.571	191.887	88.696	43	no	no
N.min	0.723	-42.526	191.932	88.741	37	no	no
N.min	0.723	-42.487	191.971	88.780	43	no	no
	0.723	-42.460	191.997	88.806	37	no	no
N.min	0.722	-42.435	192.023	88.832	31	no	no
N.min	0.722	-42.409	192.049	88.858	36	no	no
	0.722	-42.392	192.066	88.875	41	no	no
	0.722	-42.325	192.133	88.942	43	no	no
N.min	0.722	-42.308	192.150	88.959	43	no	no
N.min	0.721	-42.179	192.279	89.088	40	no	no
N.min	0.721	-42.178	192.280	89.089	42	no	no
N.min	0.721	-42.159	192.299	89.108	34	no	no
	0.720	-42.028	192.430	89.239	39	no	no
N.min	0.720	-42.006	192.452	89.261	37	no	no
N.min	0.720	-41.948	192.510	89.319	38	no	no
N.min	0.720	-41.885	192.572	89.381	43	no	no
	0.719	-41.771	192.687	89.496	34	no	no
	0.719	-41.744	192.714	89.523	36	no	no
	0.719	-41.720	192.738	89.547	39	no	no
N.min	0.718	-41.589	192.869	89.678	41	no	no
	0.718	-41.572	192.886	89.695	32	no	no
N.min	0.718	-41.547	192.911	89.720	35	no	no
N.min	0.716	-41.275	193.182	89.991	34	no	no
N.min	0.716	-41.122	193.336	90.145	43	no	no
	0.715	-40.963	193.495	90.304	33	no	no
	0.715	-40.957	193.501	90.310	31	no	no
N.min	0.715	-40.939	193.519	90.328	35	no	no
N.min	0.715	-40.895	193.562	90.371	36	no	no
N.min	0.714	-40.878	193.579	90.388	42	no	no
	0.714	-40.856	193.602	90.411	36	no	no
N.min	0.714	-40.779	193.678	90.487	42	no	no
N.min	0.714	-40.761	193.696	90.505	41	no	no
N.min	0.714	-40.748	193.710	90.519	38	no	no
	0.714	-40.748	193.710	90.519	35	no	no
N.min	0.714	-40.714	193.744	90.553	47	no	no
N.min	0.714	-40.701	193.757	90.566	30	no	no
N.min	0.713	-40.659	193.798	90.607	36	no	no
	0.713	-40.592	193.866	90.675	28	no	no
	0.713	-40.531	193.926	90.735	46	no	no
N.min	0.713	-40.528	193.930	90.739	38	no	no
	0.712	-40.499	193.959	90.768	32	no	no
N.min	0.712	-40.484	193.974	90.783	35	no	no
N.min	0.712	-40.449	194.009	90.818	34	no	no

	0.712	-40.400	194.058	90.867	48	no	no
N.min	0.712	-40.355	194.103	90.912	45	no	no
N.min	0.712	-40.330	194.128	90.937	35	no	no
N.min	0.711	-40.278	194.180	90.989	28	no	no
	0.711	-40.239	194.219	91.028	46	no	no
N.min	0.711	-40.236	194.222	91.031	43	no	no
N.min	0.711	-40.181	194.276	91.085	44	no	no
	0.711	-40.171	194.287	91.096	33	no	no
N.min	0.710	-40.100	194.358	91.167	35	no	no
N.min	0.710	-40.065	194.393	91.202	36	no	no
N.min	0.710	-40.058	194.400	91.209	42	no	no
	0.710	-40.002	194.455	91.264	48	no	no
	0.710	-39.978	194.480	91.289	43	no	no
N.min	0.710	-39.956	194.502	91.311	30	no	no
N.min	0.710	-39.944	194.514	91.323	36	no	no
	0.709	-39.841	194.617	91.426	46	no	no
N.min	0.709	-39.817	194.641	91.450	34	no	no
	0.709	-39.795	194.663	91.472	31	no	no
	0.708	-39.736	194.722	91.531	33	no	no
	0.707	-39.524	194.934	91.743	47	no	no
N.min	0.707	-39.523	194.935	91.744	25	no	no
N.min	0.707	-39.499	194.958	91.767	32	no	no
N.min	0.707	-39.437	195.021	91.830	38	no	no
	0.707	-39.408	195.049	91.858	39	no	no
	0.706	-39.338	195.120	91.929	41	no	no
N.min	0.706	-39.328	195.129	91.938	33	no	no
	0.706	-39.312	195.145	91.954	45	no	no
N.min	0.706	-39.305	195.153	91.962	41	no	no
	0.706	-39.276	195.182	91.991	44	no	no
	0.706	-39.245	195.213	92.022	40	no	no
N.min	0.705	-39.130	195.328	92.137	26	no	no
N.min	0.705	-39.115	195.343	92.152	48	no	no
N.min	0.705	-39.050	195.408	92.217	37	no	no
N.min	0.704	-38.971	195.486	92.295	42	no	no
	0.704	-38.939	195.519	92.328	40	no	no
	0.704	-38.899	195.559	92.368	39	no	no
N.min	0.703	-38.750	195.708	92.517	41	no	no
N.min	0.703	-38.725	195.733	92.542	33	no	no
N.min	0.703	-38.689	195.769	92.578	36	no	no
	0.703	-38.682	195.776	92.585	39	no	no
	0.703	-38.682	195.776	92.585	38	no	no
N.min	0.703	-38.653	195.805	92.614	43	no	no
N.min	0.702	-38.511	195.947	92.756	41	no	no
N.min	0.702	-38.450	196.008	92.817	44	no	no
	0.701	-38.379	196.079	92.888	41	no	no
	0.701	-38.352	196.106	92.915	42	no	no
N.min	0.701	-38.297	196.160	92.969	37	no	no
	0.700	-38.237	196.221	93.030	43	no	no
	0.700	-38.159	196.299	93.108	47	no	no
	0.700	-38.155	196.303	93.112	41	no	no
N.min	0.700	-38.126	196.332	93.141	43	no	no
N.min	0.700	-38.106	196.351	93.160	45	no	no
N.min	0.700	-38.102	196.356	93.165	44	no	no
N.min	0.699	-37.901	196.557	93.366	47	no	no
	0.698	-37.833	196.625	93.434	45	no	no
	0.697	-37.585	196.873	93.682	48	no	no
N.min	0.696	-37.519	196.939	93.748	44	no	no
N.min	0.696	-37.456	197.002	93.811	36	no	no
	0.696	-37.402	197.056	93.865	33	no	no
	0.695	-37.343	197.115	93.924	45	no	no
N.min	0.694	-37.140	197.317	94.126	43	no	no
N.min	0.694	-37.114	197.344	94.153	42	no	no
N.min	0.694	-37.063	197.395	94.204	37	no	no



N.min	0.693	-36.886	197.571	94.380	44	no	no
	0.692	-36.658	197.800	94.609	43	no	no
N.min	0.691	-36.544	197.914	94.723	45	no	no
	0.690	-36.424	198.034	94.843	41	no	no
	0.687	-35.847	198.610	95.419	48	no	no
N.min	0.687	-35.847	198.611	95.420	42	no	no
N.min	0.687	-35.834	198.624	95.433	35	no	no
N.min	0.687	-35.821	198.636	95.445	36	no	no
	0.686	-35.724	198.734	95.543	46	no	no
	0.686	-35.683	198.775	95.584	41	no	no
N.min	0.686	-35.646	198.812	95.621	37	no	no
	0.686	-35.631	198.827	95.636	37	no	no
	0.685	-35.556	198.901	95.710	40	no	no
N.min	0.684	-35.392	199.065	95.874	38	no	no
N.min	0.684	-35.376	199.081	95.890	43	no	no
	0.684	-35.376	199.082	95.891	39	no	no
	0.684	-35.363	199.094	95.903	37	no	no
	0.683	-35.222	199.236	96.045	38	no	no
N.min	0.683	-35.204	199.254	96.063	49	no	no
N.min	0.682	-34.979	199.479	96.288	29	no	no
N.min	0.680	-34.656	199.802	96.611	48	no	no
	0.680	-34.609	199.848	96.657	41	no	no
N.min	0.679	-34.525	199.932	96.741	50	no	no
N.min	0.679	-34.428	200.030	96.839	49	no	no
	0.679	-34.401	200.057	96.866	39	no	no
	0.678	-34.291	200.167	96.976	40	no	no
N.min	0.678	-34.289	200.168	96.977	35	no	no
N.min	0.678	-34.260	200.198	97.007	39	no	no
	0.677	-34.175	200.283	97.092	30	no	no
	0.677	-34.138	200.320	97.129	46	no	no
N.min	0.676	-34.009	200.448	97.257	37	no	no
	0.676	-33.997	200.461	97.270	39	no	no
N.min	0.676	-33.877	200.581	97.390	36	no	no
	0.675	-33.823	200.634	97.443	40	no	no
	0.675	-33.823	200.634	97.443	40	no	no
N.min	0.675	-33.822	200.635	97.444	37	no	no
N.min	0.675	-33.724	200.734	97.543	41	no	no
	0.674	-33.591	200.867	97.676	33	no	no
N.min	0.674	-33.571	200.886	97.695	43	no	no
	0.674	-33.569	200.889	97.698	35	no	no
	0.673	-33.386	201.071	97.880	38	no	no
	0.672	-33.249	201.209	98.018	38	no	no
N.min	0.671	-33.073	201.385	98.194	48	no	no
	0.671	-33.049	201.409	98.218	42	no	no
	0.670	-32.871	201.587	98.396	40	no	no
	0.669	-32.799	201.658	98.467	46	no	no
N.min	0.669	-32.794	201.663	98.472	38	no	no
	0.669	-32.733	201.725	98.534	43	no	no
	0.668	-32.611	201.847	98.656	41	no	no
N.min	0.668	-32.588	201.869	98.678	44	no	no
	0.668	-32.582	201.876	98.685	45	no	no
N.min	0.668	-32.533	201.925	98.734	37	no	no
	0.667	-32.381	202.076	98.885	47	no	no
N.min	0.667	-32.376	202.081	98.890	39	no	no
N.min	0.666	-32.320	202.137	98.946	42	no	no
N.min	0.666	-32.237	202.220	99.029	30	no	no
N.min	0.666	-32.200	202.258	99.067	37	no	no
N.min	0.665	-32.166	202.291	99.100	29	no	no
	0.665	-32.140	202.318	99.127	42	no	no
	0.664	-32.002	202.456	99.265	48	no	no
N.min	0.663	-31.804	202.654	99.463	36	no	no
N.min	0.662	-31.532	202.926	99.735	45	no	no
N.min	0.660	-31.338	203.120	99.929	32	no	no

	0.660	-31.328	203.130	99.939	44	no	no
	0.660	-31.227	203.231	100.040	38	no	no
	0.659	-31.175	203.283	100.092	39	no	no
	0.659	-31.151	203.307	100.116	38	no	no
N.min	0.657	-30.845	203.612	100.421	45	no	no
N.min	0.656	-30.672	203.786	100.595	49	no	no
N.min	0.656	-30.601	203.856	100.665	43	no	no
N.min	0.655	-30.558	203.899	100.708	43	no	no
N.min	0.654	-30.331	204.127	100.936	42	no	no
	0.654	-30.290	204.168	100.977	40	no	no
	0.653	-30.227	204.231	101.040	46	no	no
N.min	0.652	-30.000	204.458	101.267	43	no	no
N.min	0.652	-29.964	204.493	101.302	32	no	no
	0.651	-29.800	204.657	101.466	41	no	no
	0.650	-29.718	204.739	101.548	47	no	no
N.min	0.650	-29.675	204.783	101.592	36	no	no
	0.650	-29.624	204.834	101.643	45	no	no
N.min	0.649	-29.602	204.856	101.665	31	no	no
	0.649	-29.525	204.933	101.742	39	no	no
N.min	0.649	-29.518	204.940	101.749	36	no	no
	0.649	-29.474	204.984	101.793	45	no	no
	0.649	-29.470	204.987	101.796	46	no	no
	0.648	-29.433	205.025	101.834	48	no	no
N.min	0.647	-29.282	205.176	101.985	45	no	no
N.min	0.646	-29.017	205.441	102.250	37	no	no
N.min	0.645	-28.976	205.482	102.291	40	no	no
	0.644	-28.775	205.682	102.491	44	no	no
	0.643	-28.662	205.796	102.605	45	no	no
	0.643	-28.661	205.797	102.606	38	no	no
	0.643	-28.655	205.803	102.612	46	no	no
N.min	0.643	-28.637	205.821	102.630	31	no	no
N.min	0.642	-28.515	205.943	102.752	30	no	no
	0.642	-28.470	205.988	102.797	44	no	no
	0.639	-28.037	206.421	103.230	51	no	no
N.min	0.637	-27.745	206.713	103.522	39	no	no
N.min	0.636	-27.593	206.865	103.674	38	no	no
	0.636	-27.506	206.952	103.761	50	no	no
	0.635	-27.342	207.116	103.925	33	no	no
	0.634	-27.292	207.166	103.975	52	no	no
N.min	0.633	-27.109	207.348	104.157	37	no	no
	0.633	-27.102	207.356	104.165	39	no	no
N.min	0.633	-27.095	207.363	104.172	50	no	no
	0.632	-26.978	207.480	104.289	40	no	no
	0.632	-26.957	207.501	104.310	46	no	no
	0.632	-26.909	207.549	104.358	45	no	no
	0.631	-26.791	207.667	104.476	47	no	no
	0.630	-26.629	207.829	104.638	39	no	no
	0.629	-26.476	207.982	104.791	31	no	no
	0.627	-26.230	208.228	105.037	46	no	no
	0.627	-26.217	208.240	105.049	39	no	no
N.min	0.627	-26.170	208.288	105.097	38	no	no
	0.627	-26.161	208.297	105.106	48	no	no
	0.626	-26.070	208.388	105.197	40	no	no
	0.626	-26.044	208.414	105.223	50	no	no
	0.626	-25.981	208.477	105.286	40	no	no
	0.625	-25.922	208.535	105.344	39	no	no
N.min	0.624	-25.800	208.657	105.466	38	no	no
N.min	0.624	-25.786	208.672	105.481	33	no	no
	0.623	-25.605	208.853	105.662	37	no	no
N.min	0.623	-25.586	208.872	105.681	44	no	no
N.min	0.621	-25.368	209.090	105.899	39	no	no
	0.621	-25.251	209.207	106.016	44	no	no
	0.619	-25.032	209.426	106.235	44	no	no

N.min	0.619	-24.999	209.459	106.268	44	no	no
	0.619	-24.994	209.464	106.273	45	no	no
N.min	0.618	-24.933	209.525	106.334	44	no	no
	0.615	-24.486	209.972	106.781	47	no	no
	0.615	-24.412	210.046	106.855	39	no	no
	0.614	-24.325	210.133	106.942	40	no	no
	0.614	-24.272	210.185	106.994	46	no	no
N.min	0.612	-24.071	210.387	107.196	45	no	no
N.min	0.612	-24.023	210.434	107.243	30	no	no
N.min	0.611	-23.894	210.564	107.373	39	no	no
	0.610	-23.787	210.671	107.480	45	no	no
	0.610	-23.671	210.786	107.595	34	no	no
	0.608	-23.402	211.056	107.865	35	no	no
	0.608	-23.401	211.057	107.866	37	no	no
N.min	0.607	-23.312	211.146	107.955	43	no	no
	0.607	-23.267	211.191	108.000	33	no	no
N.min	0.606	-23.226	211.232	108.041	37	no	no
	0.606	-23.211	211.246	108.055	41	no	no
	0.606	-23.167	211.291	108.100	39	no	no
N.min	0.604	-22.910	211.547	108.356	37	no	no
N.min	0.603	-22.742	211.716	108.525	37	no	no
	0.601	-22.440	212.018	108.827	44	no	no
	0.596	-21.857	212.601	109.410	42	no	no
	0.595	-21.709	212.748	109.557	41	no	no
N.min	0.592	-21.314	213.144	109.953	38	no	no
N.min	0.589	-20.834	213.624	110.433	31	no	no
	0.588	-20.777	213.680	110.489	52	no	no
	0.587	-20.609	213.849	110.658	46	no	no
	0.586	-20.455	214.002	110.811	33	no	no
	0.585	-20.312	214.146	110.955	34	no	no
	0.585	-20.299	214.159	110.968	46	no	no
	0.580	-19.701	214.757	111.566	47	no	no
	0.579	-19.514	214.943	111.752	39	no	no
	0.579	-19.479	214.979	111.788	39	no	no
	0.577	-19.285	215.173	111.982	41	no	no
	0.576	-19.123	215.334	112.143	40	no	no
	0.575	-18.949	215.509	112.318	40	no	no
	0.574	-18.879	215.579	112.388	41	no	no
	0.574	-18.857	215.601	112.410	40	no	no
	0.573	-18.804	215.654	112.463	32	no	no
	0.573	-18.742	215.716	112.525	32	no	no
	0.571	-18.545	215.912	112.721	35	no	no
	0.571	-18.469	215.988	112.797	36	no	no
	0.568	-18.055	216.403	113.212	39	no	no
N.min	0.568	-18.051	216.407	113.216	50	no	no
	0.567	-18.033	216.425	113.234	46	no	no
	0.566	-17.910	216.547	113.356	45	no	no
	0.566	-17.880	216.578	113.387	38	no	no
	0.559	-16.971	217.487	114.296	40	no	no
	0.557	-16.729	217.729	114.538	47	no	no
	0.555	-16.447	218.011	114.820	40	no	no
	0.554	-16.417	218.041	114.850	42	no	no
	0.554	-16.301	218.157	114.966	47	no	no
	0.552	-16.120	218.338	115.147	45	no	no
	0.550	-15.882	218.576	115.385	41	no	no
N.min	0.546	-15.338	219.120	115.929	32	no	no
	0.526	-12.960	221.498	118.307	35	no	no
	0.517	-11.971	222.487	119.296	34	no	no
	0.509	-11.018	223.439	120.248	41	no	no
	0.506	-10.694	223.764	120.573	36	no	no
	0.505	-10.656	223.802	120.611	43	no	no
	0.505	-10.632	223.826	120.635	42	no	no
	0.505	-10.579	223.879	120.688	42	no	no

	0.502	-10.258	224.200	121.009	52	no	no
	0.496	-9.676	224.781	121.590	42	no	no
	0.494	-9.410	225.048	121.857	37	no	no
	0.491	-9.061	225.396	122.205	48	no	no
	0.486	-8.516	225.942	122.751	42	no	no
	0.478	-7.718	226.740	123.549	34	no	no
	0.473	-7.197	227.261	124.070	47	no	no
	0.473	-7.143	227.315	124.124	43	no	no
	0.470	-6.869	227.589	124.398	40	no	no
	0.468	-6.708	227.750	124.559	53	no	no
	0.459	-5.783	228.675	125.484	33	no	no
	0.442	-3.994	230.464	127.273	40	no	no
	0.410	-1.015	233.443	130.252	35	no	no
	0.393	0.563	235.021	131.830	48	no	no
	0.390	0.862	235.320	132.129	35	no	no
	0.369	2.712	237.170	133.979	41	no	no
	0.901	-103.381	131.077	-	29	yes	no
	0.898	-101.441	133.016	1.940	23	yes	no
N.min	0.898	-101.285	133.173	2.096	26	no	no
	0.894	-99.444	135.014	3.937	24	no	no
	0.894	-99.158	135.300	4.223	29	no	no
	0.892	-98.584	135.873	4.797	28	no	no
	0.890	-97.431	137.027	5.951	24	no	no
	0.886	-95.508	138.949	7.873	31	no	no
	0.886	-95.470	138.988	7.911	24	no	no
	0.884	-94.239	140.219	9.142	22	no	no
	0.879	-91.957	142.500	11.424	31	no	no
	0.877	-91.091	143.367	12.290	29	no	no
	0.876	-90.973	143.485	12.408	28	no	no
	0.876	-90.960	143.498	12.421	30	no	no
	0.876	-90.720	143.738	12.661	22	no	no
	0.873	-89.614	144.844	13.768	26	no	no
	0.873	-89.561	144.897	13.820	21	no	no
	0.873	-89.317	145.141	14.064	25	no	no
	0.872	-88.991	145.467	14.390	24	no	no
N.min	0.869	-87.955	146.502	15.426	25	no	no
N.min	0.869	-87.601	146.856	15.780	24	no	no
N.min	0.867	-87.055	147.403	16.326	21	no	no
N.min	0.864	-85.667	148.791	17.714	26	no	no
	0.864	-85.597	148.860	17.784	24	no	no
	0.863	-85.456	149.002	17.926	17	no	no
	0.863	-85.425	149.033	17.956	29	no	no
N.min	0.862	-84.923	149.534	18.458	19	no	no
	0.861	-84.515	149.942	18.866	19	no	no
N.min	0.861	-84.456	150.001	18.925	27	no	no
	0.861	-84.310	150.148	19.071	24	no	no
	0.860	-84.246	150.211	19.135	22	no	no
	0.859	-83.602	150.855	19.779	23	no	no
	0.859	-83.585	150.872	19.796	24	no	no
N.min	0.858	-83.426	151.032	19.955	27	no	no
	0.858	-83.417	151.040	19.964	19	no	no
N.min	0.858	-83.288	151.170	20.093	21	no	no
N.min	0.858	-83.262	151.196	20.120	22	no	no
	0.858	-83.160	151.298	20.221	23	no	no
	0.857	-82.918	151.540	20.463	25	no	no
N.min	0.857	-82.752	151.705	20.629	28	no	no
N.min	0.856	-82.734	151.724	20.647	26	no	no
	0.856	-82.618	151.840	20.763	20	no	no
N.min	0.856	-82.551	151.907	20.830	33	no	no
N.min	0.856	-82.442	152.016	20.939	27	no	no
N.min	0.855	-82.019	152.439	21.362	31	no	no
	0.853	-81.444	153.014	21.937	29	no	no
	0.853	-81.356	153.102	22.026	29	no	no

N.min	0.853	-81.332	153.126	22.049	20	no	no
N.min	0.853	-81.261	153.196	22.120	31	no	no
N.min	0.852	-81.074	153.383	22.307	27	no	no
	0.852	-81.043	153.415	22.339	23	no	no
	0.851	-80.748	153.710	22.633	24	no	no
N.min	0.851	-80.578	153.879	22.803	25	no	no
	0.851	-80.516	153.942	22.865	29	no	no
	0.851	-80.507	153.951	22.874	29	no	no
	0.850	-80.300	154.158	23.082	25	no	no
N.min	0.850	-80.243	154.215	23.138	29	no	no
N.min	0.850	-80.240	154.218	23.141	28	no	no
	0.850	-80.159	154.299	23.222	25	no	no
N.min	0.850	-80.132	154.326	23.249	26	no	no
N.min	0.849	-79.920	154.538	23.461	26	no	no
N.min	0.848	-79.745	154.713	23.636	22	no	no
N.min	0.848	-79.548	154.909	23.833	26	no	no
N.min	0.848	-79.519	154.938	23.862	27	no	no
	0.847	-79.377	155.081	24.004	21	no	no
	0.847	-79.215	155.243	24.166	30	no	no
	0.847	-79.208	155.250	24.173	24	no	no
	0.847	-79.085	155.372	24.296	29	no	no
N.min	0.847	-79.040	155.418	24.341	33	no	no
	0.846	-78.972	155.486	24.410	24	no	no
	0.846	-78.812	155.646	24.569	25	no	no
	0.846	-78.755	155.703	24.626	27	no	no
	0.845	-78.658	155.800	24.723	22	no	no
N.min	0.845	-78.569	155.889	24.812	32	no	no
N.min	0.844	-78.300	156.157	25.081	20	no	no
	0.844	-78.133	156.325	25.248	26	no	no
	0.844	-78.086	156.372	25.295	23	no	no
	0.844	-78.085	156.373	25.296	25	no	no
	0.844	-78.083	156.375	25.298	19	no	no
	0.844	-78.055	156.403	25.326	26	no	no
	0.844	-77.969	156.489	25.412	29	no	no
N.min	0.843	-77.916	156.542	25.466	31	no	no
	0.843	-77.887	156.571	25.495	24	no	no
	0.843	-77.751	156.707	25.631	22	no	no
	0.843	-77.721	156.737	25.661	23	no	no
	0.843	-77.674	156.784	25.708	30	no	no
	0.842	-77.595	156.863	25.786	31	no	no
N.min	0.842	-77.590	156.868	25.791	26	no	no
	0.842	-77.585	156.872	25.796	18	no	no
	0.842	-77.383	157.075	25.998	24	no	no
N.min	0.842	-77.347	157.111	26.034	21	no	no
	0.842	-77.336	157.122	26.046	31	no	no
	0.842	-77.314	157.144	26.067	30	no	no
	0.841	-77.205	157.252	26.176	25	no	no
	0.841	-77.164	157.293	26.217	31	no	no
N.min	0.840	-76.914	157.543	26.467	28	no	no
	0.840	-76.878	157.580	26.504	17	no	no
	0.840	-76.749	157.708	26.632	30	no	no
N.min	0.840	-76.689	157.769	26.692	31	no	no
N.min	0.840	-76.675	157.783	26.706	22	no	no
	0.840	-76.649	157.809	26.732	31	no	no
	0.839	-76.497	157.961	26.884	25	no	no
N.min	0.839	-76.455	158.002	26.926	26	no	no
N.min	0.839	-76.349	158.109	27.032	19	no	no
N.min	0.839	-76.348	158.110	27.033	24	no	no
	0.839	-76.282	158.176	27.099	25	no	no
	0.838	-76.075	158.383	27.306	26	no	no
N.min	0.838	-75.975	158.483	27.407	26	no	no
	0.838	-75.952	158.506	27.430	36	no	no
	0.838	-75.942	158.515	27.439	23	no	no

	0.837	-75.784	158.674	27.597	30	no	no
N.min	0.837	-75.760	158.698	27.621	27	no	no
	0.837	-75.752	158.705	27.629	24	no	no
N.min	0.837	-75.693	158.765	27.688	29	no	no
	0.837	-75.567	158.891	27.814	25	no	no
	0.836	-75.405	159.053	27.977	24	no	no
	0.836	-75.360	159.098	28.022	16	no	no
	0.836	-75.253	159.205	28.128	30	no	no
	0.835	-75.157	159.300	28.224	27	no	no
	0.835	-74.967	159.491	28.414	17	no	no
	0.835	-74.947	159.510	28.434	31	no	no
	0.834	-74.622	159.836	28.759	22	no	no
	0.833	-74.506	159.952	28.875	22	no	no
N.min	0.833	-74.456	160.002	28.925	26	no	no
	0.833	-74.430	160.028	28.952	27	no	no
	0.833	-74.359	160.099	29.022	19	no	no
	0.833	-74.352	160.106	29.029	23	no	no
N.min	0.833	-74.245	160.212	29.136	29	no	no
N.min	0.832	-74.124	160.334	29.257	24	no	no
	0.832	-74.101	160.357	29.280	26	no	no
N.min	0.832	-74.001	160.457	29.380	24	no	no
	0.832	-74.001	160.457	29.380	35	no	no
	0.832	-73.936	160.522	29.445	30	no	no
N.min	0.831	-73.861	160.597	29.520	27	no	no
	0.831	-73.788	160.670	29.593	32	no	no
N.min	0.831	-73.739	160.719	29.643	31	no	no
N.min	0.831	-73.731	160.727	29.650	25	no	no
	0.830	-73.539	160.918	29.842	24	no	no
N.min	0.830	-73.420	161.038	29.962	30	no	no
	0.830	-73.302	161.156	30.079	22	no	no
N.min	0.829	-73.196	161.262	30.185	29	no	no
	0.829	-73.118	161.339	30.263	31	no	no
	0.829	-73.077	161.381	30.304	28	no	no
	0.828	-72.889	161.568	30.492	29	no	no
	0.828	-72.810	161.648	30.571	31	no	no
	0.828	-72.640	161.818	30.742	36	no	no
	0.828	-72.628	161.829	30.753	34	no	no
	0.827	-72.586	161.872	30.795	31	no	no
	0.827	-72.549	161.908	30.832	30	no	no
	0.827	-72.529	161.928	30.852	31	no	no
N.min	0.827	-72.429	162.029	30.952	22	no	no
	0.826	-72.239	162.219	31.142	17	no	no
	0.826	-72.181	162.277	31.200	33	no	no
N.min	0.826	-72.066	162.392	31.315	32	no	no
N.min	0.826	-71.991	162.466	31.390	26	no	no
	0.825	-71.961	162.497	31.421	22	no	no
	0.825	-71.960	162.498	31.421	31	no	no
	0.825	-71.912	162.545	31.469	24	no	no
N.min	0.825	-71.906	162.552	31.475	26	no	no
	0.825	-71.831	162.627	31.551	31	no	no
	0.825	-71.763	162.694	31.618	25	no	no
	0.825	-71.703	162.755	31.678	23	no	no
	0.825	-71.701	162.757	31.680	24	no	no
	0.824	-71.657	162.801	31.724	30	no	no
	0.824	-71.645	162.812	31.736	22	no	no
	0.824	-71.557	162.900	31.824	31	no	no
N.min	0.824	-71.554	162.904	31.827	27	no	no
N.min	0.824	-71.514	162.944	31.867	25	no	no
N.min	0.824	-71.502	162.956	31.879	21	no	no
	0.824	-71.486	162.972	31.896	24	no	no
N.min	0.824	-71.445	163.013	31.936	27	no	no
	0.824	-71.445	163.013	31.937	32	no	no
	0.824	-71.423	163.035	31.958	32	no	no

N.min	0.824	-71.353	163.105	32.028	25	no	no
N.min	0.823	-71.283	163.175	32.098	28	no	no
	0.823	-71.245	163.213	32.136	27	no	no
N.min	0.823	-71.217	163.241	32.165	33	no	no
N.min	0.823	-71.048	163.410	32.333	26	no	no
	0.822	-71.033	163.425	32.348	27	no	no
	0.822	-71.033	163.425	32.348	23	no	no
	0.822	-70.964	163.494	32.418	30	no	no
	0.822	-70.896	163.562	32.485	29	no	no
	0.822	-70.829	163.629	32.552	34	no	no
	0.822	-70.824	163.634	32.557	32	no	no
	0.822	-70.820	163.638	32.562	25	no	no
	0.822	-70.813	163.645	32.569	29	no	no
	0.822	-70.768	163.690	32.613	28	no	no
	0.822	-70.749	163.709	32.633	31	no	no
	0.821	-70.720	163.738	32.661	25	no	no
N.min	0.821	-70.634	163.823	32.747	19	no	no
	0.821	-70.566	163.892	32.815	32	no	no
N.min	0.820	-70.423	164.035	32.959	23	no	no
N.min	0.820	-70.421	164.037	32.960	27	no	no
	0.820	-70.328	164.130	33.053	36	no	no
	0.819	-70.114	164.343	33.267	23	no	no
	0.819	-69.987	164.471	33.394	26	no	no
N.min	0.818	-69.762	164.696	33.619	33	no	no
	0.818	-69.743	164.715	33.638	25	no	no
	0.818	-69.738	164.719	33.643	27	no	no
	0.818	-69.693	164.765	33.689	28	no	no
	0.818	-69.681	164.776	33.700	32	no	no
N.min	0.818	-69.651	164.807	33.730	20	no	no
	0.818	-69.642	164.816	33.739	17	no	no
	0.817	-69.506	164.952	33.876	30	no	no
N.min	0.817	-69.404	165.054	33.978	28	no	no
	0.817	-69.381	165.076	34.000	25	no	no
	0.817	-69.379	165.079	34.002	31	no	no
	0.817	-69.368	165.090	34.013	27	no	no
N.min	0.817	-69.223	165.235	34.158	19	no	no
	0.816	-69.205	165.253	34.176	26	no	no
	0.816	-69.112	165.346	34.269	31	no	no
N.min	0.816	-68.939	165.519	34.443	26	no	no
	0.816	-68.924	165.533	34.457	23	no	no
	0.815	-68.887	165.571	34.494	26	no	no
	0.815	-68.686	165.772	34.695	30	no	no
	0.815	-68.668	165.790	34.713	27	no	no
N.min	0.815	-68.627	165.831	34.754	35	no	no
	0.814	-68.527	165.931	34.855	24	no	no
N.min	0.814	-68.409	166.049	34.973	24	no	no
	0.814	-68.376	166.082	35.005	31	no	no
	0.814	-68.328	166.130	35.053	17	no	no
	0.813	-68.314	166.144	35.067	32	no	no
N.min	0.813	-68.230	166.228	35.151	33	no	no
	0.813	-68.214	166.244	35.167	29	no	no
	0.813	-68.166	166.292	35.216	30	no	no
	0.813	-68.160	166.298	35.222	31	no	no
	0.813	-68.140	166.317	35.241	18	no	no
	0.813	-68.105	166.353	35.276	23	no	no
N.min	0.813	-68.070	166.388	35.311	24	no	no
	0.812	-68.016	166.441	35.365	32	no	no
N.min	0.812	-67.995	166.463	35.386	24	no	no
	0.812	-67.983	166.475	35.398	33	no	no
	0.812	-67.803	166.654	35.578	29	no	no
	0.812	-67.738	166.720	35.643	24	no	no
	0.811	-67.622	166.836	35.759	22	no	no
	0.811	-67.511	166.947	35.870	30	no	no



	0.810	-67.317	167.140	36.064	31	no	no
	0.810	-67.285	167.172	36.096	27	no	no
	0.810	-67.214	167.244	36.167	29	no	no
N.min	0.810	-67.194	167.263	36.187	25	no	no
N.min	0.809	-67.145	167.313	36.236	28	no	no
N.min	0.809	-67.136	167.321	36.245	27	no	no
	0.809	-67.074	167.383	36.307	25	no	no
N.min	0.809	-66.983	167.474	36.398	24	no	no
	0.809	-66.966	167.492	36.415	30	no	no
	0.808	-66.700	167.758	36.681	31	no	no
	0.808	-66.609	167.848	36.772	31	no	no
	0.807	-66.553	167.905	36.829	26	no	no
	0.807	-66.516	167.942	36.865	24	no	no
	0.807	-66.515	167.943	36.867	35	no	no
	0.807	-66.423	168.035	36.958	24	no	no
N.min	0.807	-66.350	168.107	37.031	19	no	no
N.min	0.807	-66.349	168.108	37.032	19	no	no
	0.806	-66.289	168.168	37.092	31	no	no
N.min	0.806	-66.277	168.181	37.104	27	no	no
	0.806	-66.263	168.194	37.118	37	no	no
	0.806	-66.182	168.276	37.199	27	no	no
	0.806	-66.135	168.323	37.247	31	no	no
	0.806	-66.028	168.429	37.353	28	no	no
	0.805	-65.934	168.524	37.447	31	no	no
N.min	0.805	-65.910	168.548	37.471	29	no	no
N.min	0.805	-65.894	168.563	37.487	18	no	no
	0.805	-65.852	168.606	37.529	29	no	no
	0.805	-65.837	168.621	37.545	33	no	no
	0.805	-65.790	168.667	37.591	30	no	no
	0.805	-65.783	168.674	37.598	32	no	no
	0.805	-65.778	168.680	37.603	23	no	no
N.min	0.804	-65.615	168.843	37.766	28	no	no
	0.804	-65.580	168.878	37.801	26	no	no
N.min	0.803	-65.304	169.153	38.077	25	no	no
	0.803	-65.268	169.190	38.113	21	no	no
N.min	0.803	-65.222	169.236	38.159	20	no	no
N.min	0.803	-65.218	169.239	38.163	33	no	no
	0.802	-65.063	169.395	38.318	36	no	no
N.min	0.802	-64.908	169.550	38.473	19	no	no
	0.802	-64.906	169.551	38.475	32	no	no
	0.801	-64.884	169.574	38.497	23	no	no
N.min	0.801	-64.853	169.605	38.528	34	no	no
N.min	0.801	-64.722	169.736	38.660	34	no	no
N.min	0.801	-64.654	169.803	38.727	20	no	no
	0.801	-64.625	169.833	38.756	24	no	no
	0.800	-64.609	169.848	38.772	25	no	no
N.min	0.800	-64.605	169.853	38.776	20	no	no
N.min	0.800	-64.605	169.853	38.776	36	no	no
N.min	0.800	-64.553	169.905	38.829	21	no	no
	0.800	-64.468	169.990	38.913	16	no	no
N.min	0.800	-64.451	170.007	38.930	29	no	no
	0.800	-64.364	170.094	39.017	37	no	no
	0.800	-64.359	170.099	39.022	23	no	no
	0.800	-64.351	170.106	39.030	30	no	no
	0.799	-64.320	170.137	39.061	30	no	no
	0.799	-64.313	170.144	39.068	38	no	no
	0.799	-64.312	170.146	39.069	29	no	no
N.min	0.799	-64.234	170.224	39.147	20	no	no
N.min	0.799	-64.181	170.277	39.200	26	no	no
N.min	0.799	-64.166	170.292	39.215	29	no	no
N.min	0.798	-64.021	170.436	39.360	29	no	no
N.min	0.798	-63.944	170.513	39.437	28	no	no
N.min	0.798	-63.940	170.518	39.442	27	no	no

	0.798	-63.875	170.582	39.506	26	no	no
	0.798	-63.875	170.583	39.507	29	no	no
N.min	0.798	-63.861	170.597	39.520	24	no	no
	0.797	-63.745	170.713	39.636	23	no	no
	0.797	-63.743	170.715	39.639	21	no	no
N.min	0.797	-63.687	170.771	39.695	33	no	no
N.min	0.797	-63.630	170.827	39.751	31	no	no
N.min	0.796	-63.519	170.939	39.862	25	no	no
	0.796	-63.476	170.982	39.905	23	no	no
N.min	0.796	-63.430	171.028	39.952	14	no	no
N.min	0.796	-63.429	171.029	39.953	27	no	no
N.min	0.796	-63.302	171.155	40.079	33	no	no
	0.796	-63.294	171.163	40.087	32	no	no
N.min	0.796	-63.286	171.172	40.095	28	no	no
N.min	0.795	-63.236	171.222	40.145	32	no	no
	0.795	-63.153	171.305	40.228	28	no	no
N.min	0.795	-63.088	171.370	40.293	33	no	no
	0.794	-62.949	171.509	40.432	18	no	no
N.min	0.794	-62.871	171.586	40.510	24	no	no
	0.794	-62.858	171.600	40.523	29	no	no
N.min	0.794	-62.824	171.633	40.557	26	no	no
N.min	0.794	-62.752	171.706	40.629	19	no	no
	0.794	-62.748	171.710	40.633	33	no	no
	0.794	-62.740	171.718	40.641	32	no	no
N.min	0.793	-62.695	171.763	40.686	25	no	no
N.min	0.793	-62.684	171.774	40.697	25	no	no
	0.793	-62.675	171.783	40.706	33	no	no
	0.793	-62.660	171.798	40.721	31	no	no
N.min	0.793	-62.643	171.815	40.738	26	no	no
N.min	0.793	-62.583	171.875	40.798	26	no	no
	0.793	-62.559	171.898	40.822	29	no	no
	0.793	-62.475	171.983	40.906	23	no	no
	0.792	-62.445	172.012	40.936	22	no	no
N.min	0.792	-62.282	172.176	41.099	31	no	no
	0.792	-62.249	172.209	41.132	26	no	no
	0.791	-62.116	172.342	41.265	30	no	no
N.min	0.791	-62.116	172.342	41.266	15	no	no
	0.791	-62.081	172.377	41.300	23	no	no
N.min	0.790	-61.882	172.576	41.500	26	no	no
	0.790	-61.838	172.620	41.543	24	no	no
N.min	0.790	-61.754	172.704	41.627	26	no	no
N.min	0.790	-61.670	172.787	41.711	32	no	no
N.min	0.788	-61.349	173.109	42.032	25	no	no
N.min	0.788	-61.282	173.176	42.099	24	no	no
N.min	0.788	-61.187	173.270	42.194	32	no	no
N.min	0.788	-61.164	173.294	42.217	20	no	no
N.min	0.787	-60.956	173.502	42.425	33	no	no
	0.787	-60.950	173.508	42.431	21	no	no
N.min	0.787	-60.948	173.509	42.433	34	no	no
N.min	0.786	-60.841	173.617	42.540	35	no	no
N.min	0.786	-60.818	173.640	42.563	31	no	no
	0.786	-60.759	173.699	42.623	24	no	no
N.min	0.786	-60.720	173.738	42.661	18	no	no
	0.785	-60.611	173.847	42.770	18	no	no
N.min	0.785	-60.561	173.897	42.820	26	no	no
N.min	0.785	-60.535	173.923	42.846	20	no	no
	0.785	-60.529	173.928	42.852	30	no	no
	0.785	-60.450	174.008	42.931	25	no	no
	0.785	-60.383	174.075	42.998	25	no	no
	0.784	-60.253	174.205	43.129	24	no	no
N.min	0.784	-60.246	174.212	43.135	23	no	no
	0.784	-60.205	174.253	43.176	26	no	no
	0.784	-60.186	174.272	43.195	22	no	no

	0.784	-60.138	174.320	43.243	29	no	no
N.min	0.783	-60.047	174.411	43.334	26	no	no
N.min	0.783	-59.984	174.474	43.397	33	no	no
N.min	0.783	-59.962	174.496	43.420	19	no	no
N.min	0.783	-59.896	174.562	43.486	20	no	no
	0.782	-59.855	174.603	43.527	27	no	no
	0.782	-59.842	174.616	43.539	32	no	no
	0.782	-59.812	174.646	43.569	21	no	no
	0.782	-59.811	174.647	43.570	21	no	no
	0.782	-59.798	174.659	43.583	25	no	no
	0.782	-59.755	174.703	43.626	25	no	no
N.min	0.782	-59.722	174.736	43.660	18	no	no
N.min	0.781	-59.609	174.849	43.772	34	no	no
N.min	0.781	-59.595	174.862	43.786	25	no	no
	0.781	-59.535	174.923	43.846	12	no	yes
N.min	0.781	-59.504	174.953	43.877	25	no	no
N.min	0.781	-59.480	174.978	43.902	33	no	no
N.min	0.781	-59.478	174.979	43.903	27	no	no
	0.781	-59.456	175.002	43.925	23	no	no
N.min	0.781	-59.437	175.021	43.944	34	no	no
	0.780	-59.348	175.110	44.033	24	no	no
	0.780	-59.288	175.170	44.093	30	no	no
	0.780	-59.239	175.219	44.142	33	no	no
	0.780	-59.165	175.293	44.216	25	no	no
	0.780	-59.161	175.297	44.221	22	no	no
	0.780	-59.128	175.330	44.253	29	no	no
N.min	0.779	-59.056	175.401	44.325	21	no	no
	0.779	-59.022	175.435	44.359	28	no	no
N.min	0.779	-58.965	175.493	44.416	35	no	no
	0.779	-58.905	175.552	44.476	18	no	no
N.min	0.779	-58.867	175.591	44.514	31	no	no
N.min	0.778	-58.843	175.615	44.538	26	no	no
	0.778	-58.842	175.615	44.539	29	no	no
	0.778	-58.828	175.629	44.553	26	no	no
	0.778	-58.779	175.679	44.602	30	no	no
	0.778	-58.750	175.708	44.631	31	no	no
N.min	0.778	-58.689	175.768	44.692	31	no	no
	0.778	-58.629	175.828	44.752	19	no	no
N.min	0.777	-58.605	175.853	44.776	26	no	no
	0.777	-58.548	175.910	44.833	36	no	no
	0.777	-58.537	175.921	44.845	31	no	no
	0.777	-58.492	175.965	44.889	32	no	no
	0.777	-58.491	175.967	44.890	31	no	no
N.min	0.776	-58.343	176.114	45.038	21	no	no
N.min	0.776	-58.276	176.181	45.105	21	no	no
	0.776	-58.226	176.231	45.155	28	no	no
N.min	0.776	-58.217	176.241	45.164	28	no	no
	0.776	-58.211	176.247	45.171	38	no	no
	0.776	-58.184	176.274	45.198	30	no	no
N.min	0.775	-58.101	176.357	45.280	27	no	no
N.min	0.775	-58.078	176.380	45.303	38	no	no
	0.775	-58.014	176.444	45.368	29	no	no
N.min	0.775	-57.997	176.461	45.384	27	no	no
N.min	0.775	-57.962	176.495	45.419	22	no	no
	0.775	-57.948	176.510	45.433	26	no	no
	0.774	-57.858	176.600	45.523	28	no	no
N.min	0.774	-57.735	176.723	45.646	27	no	no
N.min	0.774	-57.692	176.765	45.689	29	no	no
	0.774	-57.679	176.779	45.702	28	no	no
	0.774	-57.634	176.824	45.748	26	no	no
	0.773	-57.540	176.918	45.841	28	no	no
N.min	0.773	-57.519	176.939	45.862	33	no	no
	0.773	-57.421	177.037	45.961	24	no	no

N.min	0.773	-57.411	177.047	45.970	20	no	no
N.min	0.773	-57.395	177.063	45.986	21	no	no
N.min	0.772	-57.379	177.079	46.002	27	no	no
	0.772	-57.373	177.085	46.008	36	no	no
N.min	0.772	-57.331	177.127	46.050	21	no	no
N.min	0.772	-57.308	177.150	46.073	37	no	no
	0.772	-57.304	177.154	46.077	31	no	no
	0.772	-57.200	177.258	46.182	30	no	no
	0.772	-57.150	177.307	46.231	37	no	no
N.min	0.771	-57.147	177.311	46.234	28	no	no
N.min	0.771	-57.093	177.365	46.289	23	no	no
	0.771	-57.017	177.441	46.364	31	no	no
N.min	0.771	-57.016	177.442	46.366	25	no	no
	0.771	-56.983	177.475	46.399	31	no	no
N.min	0.771	-56.958	177.500	46.423	30	no	no
	0.771	-56.957	177.501	46.425	33	no	no
	0.770	-56.877	177.581	46.504	25	no	no
N.min	0.770	-56.858	177.600	46.523	32	no	no
	0.770	-56.842	177.616	46.540	30	no	no
	0.770	-56.723	177.735	46.658	29	no	no
	0.770	-56.705	177.753	46.676	29	no	no
N.min	0.770	-56.703	177.755	46.679	28	no	no
N.min	0.770	-56.690	177.768	46.691	25	no	no
	0.770	-56.673	177.785	46.708	28	no	no
	0.769	-56.619	177.839	46.763	20	no	no
	0.769	-56.503	177.954	46.878	19	no	no
	0.769	-56.454	178.004	46.928	29	no	no
	0.769	-56.452	178.006	46.929	32	no	no
N.min	0.768	-56.364	178.094	47.017	29	no	no
N.min	0.768	-56.267	178.191	47.115	31	no	no
N.min	0.768	-56.223	178.234	47.158	27	no	no
	0.768	-56.217	178.241	47.164	31	no	no
	0.767	-56.079	178.379	47.302	24	no	no
	0.767	-56.075	178.383	47.306	22	no	no
	0.767	-56.047	178.411	47.334	30	no	no
	0.767	-56.040	178.418	47.342	29	no	no
	0.767	-56.008	178.450	47.374	17	no	no
	0.767	-55.987	178.471	47.394	33	no	no
	0.767	-55.983	178.474	47.398	24	no	no
	0.767	-55.974	178.484	47.407	31	no	no
	0.766	-55.953	178.505	47.428	30	no	no
	0.766	-55.950	178.508	47.432	29	no	no
	0.766	-55.839	178.619	47.542	21	no	no
	0.766	-55.817	178.640	47.564	30	no	no
N.min	0.766	-55.805	178.653	47.576	28	no	no
	0.766	-55.803	178.655	47.578	29	no	no
N.min	0.766	-55.785	178.672	47.596	33	no	no
	0.766	-55.735	178.723	47.646	24	no	no
N.min	0.765	-55.683	178.775	47.698	33	no	no
N.min	0.765	-55.663	178.795	47.718	33	no	no
	0.765	-55.637	178.821	47.744	23	no	no
N.min	0.765	-55.634	178.824	47.747	32	no	no
N.min	0.765	-55.627	178.830	47.754	14	no	no
	0.765	-55.612	178.846	47.769	25	no	no
N.min	0.765	-55.547	178.911	47.834	27	no	no
N.min	0.765	-55.527	178.931	47.854	25	no	no
N.min	0.765	-55.515	178.942	47.866	31	no	no
	0.765	-55.502	178.956	47.879	36	no	no
	0.764	-55.437	179.021	47.944	30	no	no
	0.764	-55.422	179.036	47.959	32	no	no
N.min	0.764	-55.379	179.078	48.002	38	no	no
N.min	0.764	-55.331	179.127	48.050	27	no	no
	0.764	-55.312	179.146	48.069	22	no	no

N.min	0.764	-55.306	179.152	48.075	26	no	no
N.min	0.764	-55.267	179.191	48.115	19	no	no
	0.764	-55.261	179.197	48.120	34	no	no
	0.763	-55.248	179.209	48.133	25	no	no
N.min	0.763	-55.198	179.260	48.183	25	no	no
N.min	0.763	-55.151	179.307	48.231	28	no	no
N.min	0.763	-55.136	179.321	48.245	36	no	no
	0.762	-54.999	179.459	48.382	23	no	no
	0.762	-54.985	179.472	48.396	27	no	no
N.min	0.762	-54.974	179.484	48.407	32	no	no
	0.762	-54.926	179.531	48.455	34	no	no
	0.762	-54.923	179.535	48.458	32	no	no
	0.762	-54.890	179.568	48.491	38	no	no
	0.762	-54.880	179.578	48.501	28	no	no
	0.762	-54.844	179.614	48.538	30	no	no
	0.761	-54.769	179.689	48.612	28	no	no
	0.761	-54.652	179.806	48.730	30	no	no
N.min	0.761	-54.627	179.830	48.754	34	no	no
	0.761	-54.624	179.833	48.757	36	no	no
N.min	0.761	-54.619	179.839	48.762	32	no	no
	0.761	-54.602	179.856	48.779	24	no	no
N.min	0.760	-54.536	179.922	48.845	27	no	no
N.min	0.760	-54.511	179.946	48.870	27	no	no
	0.760	-54.460	179.998	48.922	17	no	no
	0.760	-54.447	180.011	48.934	16	no	no
	0.760	-54.428	180.030	48.954	27	no	no
N.min	0.760	-54.370	180.087	49.011	21	no	no
	0.760	-54.356	180.102	49.025	33	no	no
	0.760	-54.350	180.108	49.031	24	no	no
	0.760	-54.348	180.110	49.033	28	no	no
	0.759	-54.308	180.150	49.073	36	no	no
	0.759	-54.285	180.173	49.096	22	no	no
N.min	0.759	-54.273	180.185	49.109	27	no	no
N.min	0.759	-54.237	180.220	49.144	21	no	no
N.min	0.759	-54.199	180.258	49.182	20	no	no
N.min	0.759	-54.193	180.264	49.188	34	no	no
	0.759	-54.165	180.293	49.216	23	no	no
	0.759	-54.162	180.296	49.219	30	no	no
	0.759	-54.135	180.323	49.247	22	no	no
	0.758	-54.094	180.363	49.287	29	no	no
N.min	0.758	-54.028	180.430	49.354	27	no	no
	0.758	-53.981	180.477	49.400	19	no	no
	0.758	-53.968	180.490	49.413	27	no	no
	0.758	-53.954	180.503	49.427	26	no	no
N.min	0.757	-53.876	180.582	49.505	32	no	no
	0.757	-53.796	180.661	49.585	37	no	no
	0.757	-53.792	180.665	49.589	26	no	no
N.min	0.757	-53.781	180.677	49.600	29	no	no
N.min	0.757	-53.730	180.728	49.652	36	no	no
	0.757	-53.715	180.742	49.666	36	no	no
	0.757	-53.706	180.752	49.675	32	no	no
N.min	0.756	-53.644	180.813	49.737	26	no	no
	0.756	-53.608	180.849	49.773	29	no	no
N.min	0.756	-53.553	180.905	49.828	32	no	no
N.min	0.756	-53.510	180.948	49.872	21	no	no
N.min	0.756	-53.487	180.970	49.894	22	no	no
N.min	0.756	-53.477	180.980	49.904	31	no	no
	0.756	-53.447	181.011	49.934	36	no	no
	0.756	-53.434	181.024	49.948	27	no	no
	0.755	-53.386	181.071	49.995	29	no	no
	0.755	-53.322	181.136	50.059	25	no	no
N.min	0.755	-53.242	181.216	50.140	31	no	no
N.min	0.755	-53.233	181.225	50.148	29	no	no

N.min	0.755	-53.219	181.239	50.162	14	no	no
	0.755	-53.208	181.250	50.173	37	no	no
	0.755	-53.206	181.251	50.175	36	no	no
	0.754	-53.186	181.272	50.195	29	no	no
	0.754	-53.167	181.290	50.214	37	no	no
N.min	0.754	-53.161	181.296	50.220	33	no	no
	0.754	-53.026	181.432	50.355	25	no	no
	0.754	-53.012	181.446	50.369	31	no	no
N.min	0.754	-53.003	181.455	50.379	22	no	no
N.min	0.754	-52.981	181.477	50.400	28	no	no
N.min	0.753	-52.974	181.484	50.407	26	no	no
N.min	0.753	-52.973	181.485	50.408	22	no	no
	0.753	-52.972	181.486	50.409	17	no	no
	0.753	-52.968	181.490	50.413	24	no	no
N.min	0.753	-52.959	181.499	50.422	30	no	no
	0.753	-52.950	181.508	50.431	30	no	no
N.min	0.753	-52.923	181.535	50.458	21	no	no
N.min	0.753	-52.922	181.536	50.460	26	no	no
	0.753	-52.912	181.546	50.469	25	no	no
N.min	0.753	-52.911	181.547	50.470	29	no	no
	0.753	-52.869	181.588	50.512	35	no	no
	0.753	-52.837	181.620	50.544	35	no	no
	0.753	-52.816	181.642	50.565	29	no	no
N.min	0.753	-52.795	181.663	50.586	30	no	no
	0.752	-52.673	181.785	50.708	25	no	no
	0.752	-52.651	181.807	50.730	32	no	no
N.min	0.752	-52.628	181.830	50.753	30	no	no
N.min	0.752	-52.604	181.854	50.777	26	no	no
	0.752	-52.592	181.866	50.789	29	no	no
	0.752	-52.586	181.872	50.795	33	no	no
	0.751	-52.517	181.941	50.864	23	no	no
	0.751	-52.443	182.014	50.938	31	no	no
	0.751	-52.385	182.073	50.997	29	no	no
	0.751	-52.359	182.099	51.023	26	no	no
	0.751	-52.355	182.103	51.027	25	no	no
N.min	0.751	-52.349	182.109	51.032	25	no	no
	0.750	-52.297	182.160	51.084	23	no	no
N.min	0.750	-52.289	182.169	51.092	34	no	no
N.min	0.750	-52.195	182.263	51.187	33	no	no
N.min	0.750	-52.189	182.269	51.192	35	no	no
N.min	0.750	-52.175	182.283	51.206	29	no	no
	0.750	-52.175	182.283	51.207	26	no	no
N.min	0.750	-52.153	182.305	51.228	19	no	no
N.min	0.749	-52.059	182.398	51.322	31	no	no
N.min	0.749	-52.013	182.444	51.368	27	no	no
	0.749	-51.937	182.521	51.444	30	no	no
N.min	0.749	-51.925	182.533	51.457	28	no	no
	0.749	-51.912	182.546	51.470	28	no	no
N.min	0.748	-51.826	182.632	51.556	27	no	no
N.min	0.748	-51.762	182.695	51.619	34	no	no
	0.748	-51.691	182.767	51.690	28	no	no
	0.748	-51.670	182.787	51.711	35	no	no
N.min	0.747	-51.641	182.816	51.740	34	no	no
	0.747	-51.564	182.894	51.817	24	no	no
N.min	0.747	-51.521	182.937	51.860	32	no	no
N.min	0.747	-51.509	182.949	51.872	28	no	no
	0.747	-51.458	183.000	51.923	27	no	no
	0.747	-51.453	183.005	51.928	29	no	no
N.min	0.747	-51.451	183.007	51.930	25	no	no
	0.746	-51.405	183.053	51.976	32	no	no
N.min	0.746	-51.403	183.054	51.978	26	no	no
N.min	0.746	-51.301	183.156	52.080	22	no	no
	0.746	-51.229	183.229	52.152	32	no	no

N.min	0.745	-51.189	183.269	52.192	27	no	no
	0.745	-51.165	183.293	52.216	30	no	no
N.min	0.745	-51.115	183.343	52.266	28	no	no
	0.745	-51.084	183.374	52.297	38	no	no
	0.744	-50.860	183.598	52.522	26	no	no
	0.744	-50.845	183.613	52.537	32	no	no
	0.744	-50.810	183.648	52.571	32	no	no
N.min	0.743	-50.764	183.694	52.617	19	no	no
	0.743	-50.735	183.723	52.646	35	no	no
	0.743	-50.660	183.798	52.722	24	no	no
	0.743	-50.652	183.806	52.729	35	no	no
N.min	0.743	-50.646	183.812	52.736	31	no	no
	0.743	-50.578	183.879	52.803	24	no	no
N.min	0.742	-50.562	183.896	52.819	23	no	no
	0.742	-50.553	183.905	52.828	34	no	no
	0.742	-50.500	183.958	52.881	19	no	no
	0.742	-50.369	184.088	53.012	27	no	no
	0.741	-50.362	184.095	53.019	38	no	no
	0.741	-50.342	184.116	53.039	28	no	no
N.min	0.741	-50.318	184.140	53.063	34	no	no
	0.741	-50.294	184.164	53.088	25	no	no
	0.741	-50.248	184.210	53.133	23	no	no
	0.741	-50.160	184.298	53.221	28	no	no
	0.740	-50.140	184.318	53.241	27	no	no
	0.740	-50.133	184.325	53.248	24	no	no
	0.740	-50.117	184.340	53.264	26	no	no
N.min	0.740	-50.086	184.372	53.295	24	no	no
	0.740	-50.050	184.408	53.331	32	no	no
N.min	0.740	-50.007	184.451	53.374	28	no	no
	0.740	-49.980	184.478	53.401	17	no	no
	0.740	-49.976	184.482	53.405	26	no	no
N.min	0.740	-49.959	184.499	53.422	25	no	no
	0.739	-49.753	184.705	53.628	37	no	no
	0.738	-49.669	184.788	53.712	31	no	no
	0.737	-49.440	185.018	53.942	21	no	no
N.min	0.737	-49.428	185.030	53.954	33	no	no
	0.737	-49.339	185.119	54.042	31	no	no
N.min	0.736	-49.279	185.178	54.102	32	no	no
N.min	0.736	-49.268	185.190	54.114	29	no	no
N.min	0.736	-49.249	185.209	54.132	29	no	no
	0.736	-49.226	185.232	54.155	30	no	no
	0.736	-49.225	185.232	54.156	23	no	no
	0.736	-49.207	185.251	54.174	29	no	no
	0.736	-49.202	185.256	54.179	32	no	no
	0.736	-49.191	185.266	54.190	25	no	no
N.min	0.736	-49.182	185.276	54.199	40	no	no
	0.735	-49.007	185.451	54.374	30	no	no
N.min	0.735	-48.988	185.470	54.393	27	no	no
N.min	0.735	-48.950	185.508	54.431	29	no	no
	0.735	-48.946	185.512	54.435	32	no	no
N.min	0.734	-48.852	185.606	54.529	33	no	no
	0.734	-48.837	185.621	54.544	34	no	no
	0.734	-48.800	185.658	54.581	24	no	no
	0.734	-48.765	185.693	54.616	26	no	no
N.min	0.734	-48.761	185.696	54.620	24	no	no
	0.734	-48.729	185.729	54.652	30	no	no
	0.734	-48.708	185.749	54.673	33	no	no
	0.734	-48.697	185.761	54.684	31	no	no
	0.733	-48.662	185.795	54.719	35	no	no
	0.733	-48.623	185.835	54.759	31	no	no
	0.733	-48.592	185.866	54.790	37	no	no
	0.733	-48.499	185.958	54.882	26	no	no
	0.732	-48.455	186.003	54.927	30	no	no



	0.732	-48.429	186.029	54.952	31	no	no
	0.732	-48.425	186.033	54.956	28	no	no
	0.732	-48.417	186.041	54.964	30	no	no
N.min	0.732	-48.399	186.058	54.982	30	no	no
N.min	0.732	-48.374	186.084	55.007	28	no	no
	0.732	-48.338	186.120	55.043	23	no	no
	0.731	-48.224	186.234	55.158	31	no	no
	0.731	-48.208	186.250	55.173	32	no	no
	0.731	-48.195	186.263	55.186	33	no	no
N.min	0.731	-48.188	186.269	55.193	39	no	no
	0.731	-48.184	186.274	55.197	30	no	no
	0.731	-48.089	186.369	55.292	29	no	no
N.min	0.731	-48.074	186.384	55.308	38	no	no
	0.730	-48.060	186.398	55.322	24	no	no
N.min	0.730	-47.991	186.467	55.390	26	no	no
	0.730	-47.927	186.531	55.454	36	no	no
	0.730	-47.907	186.551	55.474	30	no	no
	0.729	-47.845	186.613	55.536	28	no	no
N.min	0.729	-47.843	186.615	55.538	30	no	no
	0.729	-47.762	186.695	55.619	27	no	no
	0.729	-47.757	186.701	55.624	37	no	no
	0.729	-47.741	186.717	55.640	33	no	no
N.min	0.729	-47.680	186.778	55.701	39	no	no
	0.729	-47.671	186.787	55.711	23	no	no
N.min	0.728	-47.654	186.804	55.728	24	no	no
	0.728	-47.635	186.823	55.747	30	no	no
N.min	0.728	-47.542	186.916	55.839	33	no	no
	0.728	-47.537	186.921	55.844	21	no	no
	0.728	-47.520	186.937	55.861	26	no	no
	0.728	-47.503	186.954	55.878	28	no	no
N.min	0.728	-47.463	186.994	55.918	38	no	no
N.min	0.727	-47.398	187.060	55.983	27	no	no
	0.727	-47.396	187.062	55.985	34	no	no
N.min	0.727	-47.380	187.077	56.001	32	no	no
N.min	0.727	-47.372	187.086	56.009	29	no	no
	0.727	-47.364	187.093	56.017	33	no	no
	0.727	-47.340	187.118	56.041	28	no	no
	0.727	-47.273	187.185	56.108	25	no	no
N.min	0.726	-47.168	187.290	56.213	28	no	no
	0.726	-47.154	187.304	56.227	33	no	no
	0.726	-47.144	187.314	56.237	36	no	no
N.min	0.726	-47.074	187.383	56.307	21	no	no
	0.725	-47.049	187.409	56.333	28	no	no
	0.725	-47.036	187.422	56.345	32	no	no
	0.725	-47.012	187.445	56.369	19	no	no
	0.725	-47.009	187.449	56.372	34	no	no
N.min	0.725	-46.983	187.475	56.398	31	no	no
	0.725	-46.945	187.513	56.436	29	no	no
	0.725	-46.904	187.554	56.478	25	no	no
N.min	0.725	-46.889	187.569	56.492	26	no	no
	0.724	-46.841	187.617	56.540	32	no	no
	0.724	-46.776	187.682	56.605	30	no	no
N.min	0.724	-46.775	187.683	56.606	26	no	no
N.min	0.724	-46.729	187.729	56.652	30	no	no
N.min	0.724	-46.679	187.779	56.702	26	no	no
N.min	0.724	-46.677	187.781	56.704	28	no	no
	0.724	-46.674	187.784	56.707	18	no	no
	0.723	-46.583	187.875	56.798	32	no	no
	0.723	-46.573	187.885	56.809	34	no	no
N.min	0.723	-46.559	187.899	56.823	20	no	no
N.min	0.723	-46.533	187.925	56.848	28	no	no
N.min	0.723	-46.532	187.926	56.849	21	no	no
N.min	0.723	-46.531	187.927	56.850	25	no	no

N.min	0.723	-46.505	187.953	56.877	27	no	no
N.min	0.723	-46.486	187.972	56.895	33	no	no
N.min	0.722	-46.419	188.039	56.962	27	no	no
	0.722	-46.369	188.089	57.012	31	no	no
	0.722	-46.308	188.150	57.073	27	no	no
	0.721	-46.228	188.229	57.153	26	no	no
N.min	0.721	-46.216	188.242	57.165	28	no	no
N.min	0.721	-46.184	188.274	57.198	32	no	no
	0.721	-46.133	188.325	57.248	34	no	no
	0.721	-46.097	188.361	57.284	33	no	no
	0.720	-46.050	188.408	57.331	33	no	no
	0.720	-46.010	188.447	57.371	31	no	no
N.min	0.720	-45.937	188.521	57.444	32	no	no
N.min	0.720	-45.920	188.538	57.461	29	no	no
	0.720	-45.894	188.563	57.487	22	no	no
	0.720	-45.880	188.578	57.501	31	no	no
N.min	0.720	-45.874	188.584	57.507	35	no	no
	0.719	-45.738	188.720	57.644	39	no	no
N.min	0.719	-45.736	188.722	57.645	33	no	no
	0.719	-45.726	188.732	57.656	24	no	no
N.min	0.718	-45.649	188.808	57.732	33	no	no
N.min	0.718	-45.648	188.810	57.733	34	no	no
	0.718	-45.643	188.815	57.739	25	no	no
	0.718	-45.618	188.840	57.763	34	no	no
N.min	0.718	-45.581	188.877	57.801	29	no	no
N.min	0.718	-45.572	188.886	57.809	33	no	no
N.min	0.718	-45.493	188.964	57.888	37	no	no
N.min	0.717	-45.438	189.019	57.943	28	no	no
N.min	0.717	-45.399	189.059	57.982	33	no	no
N.min	0.717	-45.377	189.081	58.004	34	no	no
N.min	0.717	-45.315	189.143	58.066	31	no	no
N.min	0.716	-45.198	189.260	58.183	30	no	no
N.min	0.716	-45.182	189.276	58.199	26	no	no
N.min	0.716	-45.122	189.336	58.259	28	no	no
N.min	0.716	-45.106	189.351	58.275	31	no	no
	0.715	-45.044	189.413	58.337	31	no	no
	0.715	-45.009	189.449	58.372	32	no	no
	0.714	-44.724	189.733	58.657	30	no	no
N.min	0.713	-44.622	189.835	58.759	34	no	no
	0.713	-44.572	189.886	58.809	29	no	no
	0.713	-44.558	189.900	58.823	27	no	no
	0.713	-44.536	189.922	58.845	33	no	no
N.min	0.712	-44.507	189.950	58.874	32	no	no
	0.712	-44.391	190.066	58.990	27	no	no
	0.712	-44.390	190.068	58.992	34	no	no
N.min	0.712	-44.381	190.077	59.001	32	no	no
	0.712	-44.369	190.088	59.012	28	no	no
N.min	0.712	-44.360	190.097	59.021	35	no	no
	0.712	-44.360	190.098	59.021	34	no	no
	0.711	-44.319	190.139	59.062	24	no	no
	0.711	-44.300	190.157	59.081	29	no	no
N.min	0.711	-44.269	190.189	59.112	28	no	no
N.min	0.711	-44.266	190.192	59.116	32	no	no
	0.711	-44.263	190.195	59.118	31	no	no
N.min	0.711	-44.247	190.211	59.134	25	no	no
	0.711	-44.225	190.232	59.156	38	no	no
	0.711	-44.194	190.264	59.187	18	no	no
	0.710	-44.024	190.433	59.357	26	no	no
	0.710	-43.983	190.475	59.398	35	no	no
N.min	0.709	-43.943	190.515	59.438	27	no	no
	0.709	-43.939	190.518	59.442	19	no	no
N.min	0.709	-43.896	190.562	59.485	21	no	no
	0.709	-43.870	190.588	59.511	23	no	no

N.min	0.709	-43.863	190.595	59.518	20	no	no
N.min	0.709	-43.856	190.602	59.525	34	no	no
	0.709	-43.806	190.652	59.575	28	no	no
N.min	0.708	-43.703	190.754	59.678	26	no	no
N.min	0.708	-43.689	190.769	59.693	25	no	no
	0.708	-43.667	190.791	59.714	34	no	no
	0.708	-43.651	190.806	59.730	36	no	no
	0.708	-43.631	190.827	59.750	38	no	no
	0.707	-43.508	190.950	59.873	22	no	no
	0.707	-43.506	190.952	59.875	38	no	no
N.min	0.707	-43.492	190.966	59.889	32	no	no
N.min	0.707	-43.463	190.995	59.918	33	no	no
	0.707	-43.454	191.004	59.927	39	no	no
	0.707	-43.444	191.014	59.937	29	no	no
N.min	0.707	-43.428	191.030	59.953	25	no	no
	0.707	-43.423	191.035	59.958	25	no	no
	0.707	-43.417	191.041	59.964	23	no	no
	0.707	-43.402	191.055	59.979	37	no	no
	0.706	-43.260	191.197	60.121	36	no	no
N.min	0.706	-43.251	191.207	60.130	25	no	no
	0.706	-43.229	191.229	60.152	31	no	no
N.min	0.706	-43.205	191.253	60.176	28	no	no
N.min	0.706	-43.194	191.264	60.187	22	no	no
N.min	0.705	-43.132	191.326	60.250	23	no	no
N.min	0.705	-43.130	191.328	60.251	25	no	no
N.min	0.705	-43.098	191.359	60.283	32	no	no
N.min	0.705	-43.035	191.422	60.346	27	no	no
	0.705	-43.026	191.432	60.356	24	no	no
N.min	0.704	-43.006	191.452	60.375	23	no	no
	0.704	-42.920	191.538	60.461	22	no	no
N.min	0.704	-42.861	191.597	60.521	16	no	no
N.min	0.704	-42.850	191.608	60.531	32	no	no
N.min	0.704	-42.847	191.611	60.535	35	no	no
N.min	0.704	-42.827	191.631	60.554	34	no	no
	0.704	-42.827	191.631	60.555	30	no	no
	0.703	-42.726	191.732	60.655	30	no	no
	0.703	-42.704	191.754	60.677	24	no	no
N.min	0.703	-42.666	191.792	60.716	35	no	no
N.min	0.702	-42.606	191.852	60.775	23	no	no
N.min	0.702	-42.501	191.957	60.880	38	no	no
	0.702	-42.500	191.958	60.881	28	no	no
N.min	0.702	-42.489	191.969	60.892	32	no	no
N.min	0.702	-42.475	191.983	60.906	33	no	no
	0.701	-42.433	192.025	60.948	31	no	no
	0.701	-42.386	192.072	60.995	32	no	no
	0.701	-42.359	192.099	61.023	32	no	no
	0.701	-42.354	192.104	61.028	33	no	no
N.min	0.701	-42.298	192.160	61.083	33	no	no
	0.700	-42.222	192.236	61.160	34	no	no
N.min	0.700	-42.182	192.275	61.199	31	no	no
N.min	0.700	-42.168	192.289	61.213	31	no	no
	0.700	-42.154	192.303	61.227	24	no	no
	0.700	-42.128	192.329	61.253	30	no	no
N.min	0.700	-42.112	192.346	61.269	34	no	no
N.min	0.700	-42.108	192.350	61.273	34	no	no
N.min	0.700	-42.083	192.374	61.298	35	no	no
	0.699	-42.037	192.421	61.344	23	no	no
	0.699	-42.017	192.441	61.364	37	no	no
	0.699	-42.012	192.445	61.369	37	no	no
	0.699	-41.950	192.507	61.431	35	no	no
	0.699	-41.901	192.557	61.480	39	no	no
N.min	0.698	-41.865	192.593	61.516	34	no	no
	0.698	-41.803	192.655	61.579	36	no	no

	0.697	-41.703	192.755	61.678	30	no	no
	0.697	-41.644	192.814	61.737	32	no	no
N.min	0.697	-41.552	192.906	61.829	35	no	no
	0.696	-41.510	192.948	61.871	38	no	no
	0.696	-41.508	192.950	61.873	40	no	no
N.min	0.696	-41.456	193.002	61.925	32	no	no
N.min	0.696	-41.422	193.035	61.959	24	no	no
N.min	0.696	-41.405	193.053	61.976	34	no	no
N.min	0.696	-41.356	193.102	62.025	27	no	no
N.min	0.695	-41.352	193.106	62.029	26	no	no
	0.695	-41.352	193.106	62.029	26	no	no
	0.695	-41.314	193.144	62.067	31	no	no
	0.694	-41.154	193.304	62.227	35	no	no
	0.694	-41.150	193.308	62.231	37	no	no
	0.694	-41.141	193.317	62.240	36	no	no
N.min	0.694	-41.111	193.347	62.271	32	no	no
N.min	0.694	-41.103	193.355	62.278	30	no	no
	0.693	-40.972	193.486	62.409	37	no	no
	0.693	-40.957	193.500	62.424	33	no	no
N.min	0.693	-40.829	193.629	62.552	33	no	no
N.min	0.693	-40.823	193.635	62.559	31	no	no
N.min	0.692	-40.799	193.659	62.582	36	no	no
N.min	0.692	-40.795	193.663	62.586	34	no	no
N.min	0.692	-40.715	193.743	62.666	27	no	no
	0.692	-40.714	193.744	62.667	39	no	no
N.min	0.692	-40.662	193.796	62.719	33	no	no
	0.692	-40.644	193.813	62.737	34	no	no
	0.691	-40.614	193.843	62.767	26	no	no
N.min	0.691	-40.596	193.862	62.786	35	no	no
	0.690	-40.449	194.009	62.932	33	no	no
	0.690	-40.401	194.057	62.980	32	no	no
	0.690	-40.375	194.083	63.006	29	no	no
	0.690	-40.372	194.086	63.009	31	no	no
	0.690	-40.331	194.126	63.050	35	no	no
	0.690	-40.317	194.141	63.064	24	no	no
N.min	0.689	-40.265	194.193	63.117	26	no	no
N.min	0.688	-40.082	194.376	63.299	32	no	no
	0.688	-40.068	194.390	63.313	27	no	no
N.min	0.686	-39.651	194.807	63.730	28	no	no
	0.685	-39.557	194.901	63.824	32	no	no
	0.685	-39.532	194.926	63.849	27	no	no
N.min	0.685	-39.489	194.969	63.892	37	no	no
	0.684	-39.370	195.087	64.011	29	no	no
N.min	0.684	-39.370	195.088	64.012	35	no	no
	0.684	-39.358	195.099	64.023	31	no	no
	0.684	-39.312	195.146	64.069	33	no	no
	0.684	-39.264	195.194	64.117	29	no	no
N.min	0.684	-39.251	195.207	64.131	35	no	no
	0.684	-39.236	195.222	64.145	30	no	no
N.min	0.683	-39.148	195.309	64.233	33	no	no
	0.682	-39.010	195.448	64.371	38	no	no
N.min	0.682	-38.952	195.506	64.429	34	no	no
N.min	0.682	-38.940	195.518	64.441	35	no	no
	0.681	-38.792	195.666	64.589	35	no	no
N.min	0.681	-38.750	195.708	64.631	36	no	no
	0.680	-38.708	195.750	64.673	28	no	no
N.min	0.680	-38.637	195.821	64.744	27	no	no
N.min	0.680	-38.606	195.852	64.775	33	no	no
N.min	0.680	-38.566	195.891	64.815	38	no	no
	0.679	-38.489	195.969	64.892	35	no	no
	0.679	-38.441	196.016	64.940	32	no	no
	0.679	-38.408	196.049	64.973	30	no	no
N.min	0.678	-38.295	196.163	65.087	28	no	no

N.min	0.677	-38.194	196.264	65.188	26	no	no
N.min	0.677	-38.153	196.304	65.228	40	no	no
	0.677	-38.145	196.313	65.237	36	no	no
	0.677	-38.134	196.324	65.247	21	no	no
	0.677	-38.109	196.348	65.272	31	no	no
	0.677	-38.103	196.355	65.279	33	no	no
N.min	0.677	-38.091	196.367	65.290	28	no	no
	0.677	-38.060	196.398	65.321	27	no	no
N.min	0.676	-38.026	196.431	65.355	39	no	no
	0.676	-38.007	196.451	65.374	20	no	no
	0.676	-37.996	196.461	65.385	31	no	no
	0.676	-37.936	196.521	65.445	37	no	no
	0.675	-37.815	196.642	65.566	28	no	no
	0.674	-37.672	196.785	65.709	25	no	no
N.min	0.674	-37.630	196.828	65.751	32	no	no
N.min	0.674	-37.613	196.845	65.768	33	no	no
	0.674	-37.565	196.893	65.816	26	no	no
	0.673	-37.454	197.004	65.927	30	no	no
N.min	0.673	-37.431	197.026	65.950	40	no	no
	0.673	-37.354	197.104	66.027	35	no	no
N.min	0.672	-37.350	197.108	66.031	29	no	no
N.min	0.672	-37.340	197.118	66.042	27	no	no
	0.672	-37.321	197.137	66.060	23	no	no
	0.672	-37.262	197.196	66.120	31	no	no
N.min	0.672	-37.229	197.228	66.152	31	no	no
	0.671	-37.147	197.310	66.234	31	no	no
N.min	0.671	-37.109	197.349	66.272	39	no	no
	0.671	-37.102	197.356	66.280	30	no	no
	0.670	-37.011	197.447	66.370	32	no	no
	0.670	-36.974	197.484	66.407	29	no	no
	0.670	-36.972	197.485	66.409	31	no	no
N.min	0.669	-36.846	197.612	66.535	31	no	no
	0.669	-36.844	197.613	66.537	32	no	no
N.min	0.669	-36.805	197.653	66.576	40	no	no
N.min	0.669	-36.780	197.678	66.601	38	no	no
	0.669	-36.720	197.738	66.661	35	no	no
	0.669	-36.718	197.740	66.663	38	no	no
	0.668	-36.675	197.783	66.706	29	no	no
	0.667	-36.424	198.034	66.957	33	no	no
N.min	0.667	-36.401	198.057	66.981	33	no	no
N.min	0.666	-36.328	198.130	67.054	33	no	no
	0.666	-36.270	198.188	67.111	31	no	no
	0.666	-36.266	198.191	67.115	37	no	no
	0.666	-36.243	198.214	67.138	31	no	no
	0.666	-36.243	198.215	67.138	33	no	no
	0.666	-36.195	198.262	67.186	28	no	no
	0.665	-36.159	198.299	67.222	39	no	no
N.min	0.665	-36.152	198.306	67.229	29	no	no
	0.665	-36.146	198.311	67.235	33	no	no
	0.665	-36.028	198.430	67.353	25	no	no
	0.664	-35.944	198.514	67.437	37	no	no
N.min	0.663	-35.853	198.605	67.528	27	no	no
N.min	0.663	-35.837	198.621	67.544	32	no	no
N.min	0.663	-35.804	198.654	67.578	28	no	no
	0.663	-35.750	198.708	67.631	32	no	no
N.min	0.663	-35.708	198.750	67.673	20	no	no
N.min	0.662	-35.619	198.839	67.762	40	no	no
	0.662	-35.592	198.866	67.789	38	no	no
N.min	0.662	-35.562	198.896	67.819	34	no	no
N.min	0.662	-35.541	198.917	67.841	27	no	no
N.min	0.662	-35.538	198.920	67.843	35	no	no
	0.661	-35.481	198.977	67.901	34	no	no
N.min	0.661	-35.411	199.047	67.970	26	no	no

N.min	0.660	-35.343	199.114	68.038	22	no	no
	0.660	-35.320	199.137	68.061	36	no	no
N.min	0.660	-35.304	199.154	68.078	39	no	no
N.min	0.660	-35.287	199.171	68.094	30	no	no
N.min	0.660	-35.275	199.183	68.106	26	no	no
N.min	0.660	-35.234	199.223	68.147	30	no	no
	0.659	-35.181	199.277	68.200	30	no	no
N.min	0.659	-35.065	199.392	68.316	34	no	no
N.min	0.658	-35.039	199.419	68.342	39	no	no
	0.658	-34.977	199.481	68.404	38	no	no
	0.658	-34.955	199.503	68.427	33	no	no
	0.658	-34.954	199.504	68.427	38	no	no
	0.657	-34.826	199.632	68.555	35	no	no
	0.657	-34.821	199.637	68.560	40	no	no
N.min	0.655	-34.544	199.913	68.837	23	no	no
N.min	0.655	-34.536	199.921	68.845	35	no	no
N.min	0.655	-34.501	199.956	68.880	39	no	no
N.min	0.655	-34.485	199.973	68.896	34	no	no
N.min	0.655	-34.452	200.006	68.929	41	no	no
	0.655	-34.426	200.032	68.955	25	no	no
N.min	0.654	-34.325	200.133	69.057	33	no	no
N.min	0.652	-34.022	200.436	69.359	36	no	no
N.min	0.651	-33.931	200.526	69.450	39	no	no
N.min	0.651	-33.782	200.675	69.599	34	no	no
N.min	0.649	-33.553	200.905	69.828	33	no	no
	0.649	-33.529	200.929	69.852	31	no	no
N.min	0.649	-33.525	200.932	69.856	34	no	no
	0.649	-33.477	200.980	69.904	38	no	no
	0.648	-33.408	201.050	69.973	37	no	no
	0.648	-33.391	201.067	69.990	40	no	no
	0.648	-33.388	201.070	69.993	30	no	no
	0.648	-33.383	201.075	69.998	39	no	no
	0.648	-33.360	201.098	70.022	35	no	no
	0.647	-33.213	201.245	70.168	36	no	no
	0.646	-33.137	201.320	70.244	38	no	no
N.min	0.646	-33.104	201.354	70.277	36	no	no
N.min	0.646	-33.041	201.417	70.341	35	no	no
N.min	0.645	-32.973	201.484	70.408	27	no	no
	0.645	-32.948	201.509	70.433	29	no	no
	0.645	-32.899	201.558	70.482	33	no	no
N.min	0.644	-32.776	201.682	70.605	28	no	no
N.min	0.644	-32.773	201.685	70.608	30	no	no
N.min	0.643	-32.620	201.838	70.762	33	no	no
N.min	0.642	-32.430	202.027	70.951	32	no	no
N.min	0.642	-32.421	202.037	70.960	26	no	no
	0.640	-32.144	202.313	71.237	36	no	no
	0.640	-32.078	202.380	71.303	37	no	no
N.min	0.639	-32.064	202.394	71.317	21	no	no
	0.639	-32.059	202.399	71.323	35	no	no
N.min	0.639	-32.052	202.406	71.329	33	no	no
	0.639	-31.939	202.519	71.442	30	no	no
	0.638	-31.801	202.657	71.580	39	no	no
N.min	0.638	-31.773	202.684	71.608	27	no	no
	0.636	-31.466	202.992	71.915	41	no	no
N.min	0.634	-31.292	203.165	72.089	28	no	no
	0.634	-31.281	203.177	72.100	36	no	no
	0.634	-31.188	203.269	72.193	43	no	no
N.min	0.634	-31.183	203.275	72.199	29	no	no
N.min	0.633	-31.141	203.317	72.240	35	no	no
N.min	0.633	-31.110	203.347	72.271	41	no	no
	0.633	-31.097	203.361	72.285	28	no	no
N.min	0.633	-31.057	203.400	72.324	42	no	no
N.min	0.633	-31.021	203.436	72.360	40	no	no

	0.632	-30.999	203.459	72.382	31	no	no
	0.632	-30.964	203.494	72.417	38	no	no
N.min	0.632	-30.925	203.533	72.456	37	no	no
	0.630	-30.613	203.845	72.768	42	no	no
	0.627	-30.268	204.189	73.113	35	no	no
	0.627	-30.236	204.222	73.145	37	no	no
N.min	0.627	-30.143	204.315	73.238	28	no	no
	0.626	-30.120	204.338	73.261	38	no	no
	0.626	-30.079	204.379	73.302	38	no	no
	0.626	-30.068	204.389	73.313	40	no	no
	0.626	-29.996	204.462	73.385	36	no	no
	0.626	-29.995	204.463	73.387	29	no	no
	0.626	-29.985	204.473	73.396	39	no	no
	0.624	-29.821	204.637	73.560	31	no	no
	0.624	-29.800	204.658	73.581	41	no	no
	0.624	-29.692	204.766	73.689	30	no	no
N.min	0.623	-29.632	204.826	73.749	29	no	no
	0.623	-29.584	204.874	73.797	38	no	no
	0.623	-29.577	204.881	73.805	30	no	no
	0.623	-29.575	204.883	73.806	34	no	no
N.min	0.623	-29.554	204.903	73.827	34	no	no
	0.622	-29.521	204.937	73.860	28	no	no
	0.622	-29.449	205.009	73.933	32	no	no
N.min	0.622	-29.421	205.036	73.960	23	no	no
N.min	0.622	-29.395	205.062	73.986	41	no	no
N.min	0.621	-29.386	205.072	73.996	34	no	no
	0.621	-29.332	205.126	74.049	36	no	no
N.min	0.621	-29.288	205.170	74.093	29	no	no
N.min	0.620	-29.202	205.256	74.179	27	no	no
	0.620	-29.149	205.308	74.232	34	no	no
	0.620	-29.147	205.311	74.235	35	no	no
	0.620	-29.106	205.352	74.275	37	no	no
	0.619	-29.001	205.456	74.380	36	no	no
	0.619	-28.993	205.465	74.388	30	no	no
	0.619	-28.961	205.497	74.421	37	no	no
	0.618	-28.950	205.508	74.431	35	no	no
	0.618	-28.947	205.510	74.434	30	no	no
N.min	0.618	-28.945	205.513	74.436	37	no	no
	0.618	-28.870	205.587	74.511	40	no	no
N.min	0.618	-28.822	205.636	74.559	36	no	no
	0.616	-28.615	205.843	74.766	36	no	no
N.min	0.616	-28.607	205.851	74.774	34	no	no
N.min	0.616	-28.600	205.858	74.782	30	no	no
N.min	0.615	-28.490	205.968	74.891	33	no	no
	0.615	-28.424	206.034	74.958	35	no	no
N.min	0.614	-28.270	206.188	75.111	34	no	no
	0.613	-28.223	206.235	75.158	37	no	no
N.min	0.613	-28.172	206.286	75.209	28	no	no
	0.612	-28.011	206.447	75.370	27	no	no
	0.612	-28.001	206.456	75.380	38	no	no
N.min	0.612	-27.975	206.483	75.406	35	no	no
N.min	0.611	-27.943	206.515	75.439	35	no	no
N.min	0.611	-27.937	206.521	75.444	29	no	no
N.min	0.611	-27.863	206.595	75.519	29	no	no
	0.610	-27.804	206.653	75.577	36	no	no
	0.609	-27.539	206.918	75.842	38	no	no
	0.608	-27.464	206.993	75.917	36	no	no
N.min	0.608	-27.407	207.051	75.974	40	no	no
	0.608	-27.401	207.057	75.980	28	no	no
	0.606	-27.132	207.326	76.250	25	no	no
	0.606	-27.117	207.340	76.264	42	no	no
N.min	0.604	-26.914	207.544	76.467	27	no	no
	0.603	-26.829	207.629	76.552	37	no	no



N.min	0.602	-26.685	207.773	76.696	27	no	no
	0.602	-26.660	207.798	76.721	38	no	no
N.min	0.602	-26.619	207.839	76.762	31	no	no
N.min	0.602	-26.609	207.849	76.772	28	no	no
	0.600	-26.399	208.059	76.982	35	no	no
N.min	0.600	-26.343	208.115	77.038	33	no	no
N.min	0.600	-26.326	208.132	77.055	37	no	no
	0.599	-26.191	208.266	77.190	37	no	no
N.min	0.598	-26.045	208.413	77.337	36	no	no
	0.598	-26.043	208.415	77.339	38	no	no
	0.597	-25.998	208.460	77.383	31	no	no
	0.597	-25.925	208.533	77.456	30	no	no
	0.594	-25.583	208.875	77.798	32	no	no
	0.594	-25.567	208.891	77.814	31	no	no
	0.593	-25.447	209.010	77.934	36	no	no
	0.593	-25.418	209.040	77.963	34	no	no
N.min	0.592	-25.252	209.206	78.130	28	no	no
	0.592	-25.236	209.222	78.145	32	no	no
N.min	0.592	-25.203	209.255	78.178	35	no	no
N.min	0.591	-25.193	209.265	78.188	35	no	no
N.min	0.590	-24.984	209.474	78.397	27	no	no
N.min	0.589	-24.840	209.618	78.541	21	no	no
	0.588	-24.740	209.718	78.641	33	no	no
	0.588	-24.708	209.750	78.673	43	no	no
N.min	0.587	-24.583	209.875	78.798	30	no	no
N.min	0.586	-24.493	209.965	78.888	35	no	no
N.min	0.585	-24.393	210.065	78.988	28	no	no
	0.585	-24.368	210.090	79.013	44	no	no
N.min	0.585	-24.314	210.144	79.068	35	no	no
N.min	0.585	-24.265	210.193	79.116	34	no	no
	0.584	-24.246	210.212	79.135	37	no	no
	0.579	-23.517	210.941	79.865	38	no	no
	0.579	-23.473	210.985	79.908	36	no	no
	0.578	-23.468	210.990	79.913	30	no	no
	0.577	-23.310	211.148	80.071	30	no	no
	0.576	-23.123	211.335	80.258	40	no	no
	0.575	-23.029	211.429	80.352	31	no	no
	0.575	-23.023	211.434	80.358	42	no	no
N.min	0.575	-22.992	211.466	80.389	28	no	no
N.min	0.574	-22.876	211.582	80.505	34	no	no
	0.574	-22.860	211.598	80.521	32	no	no
	0.574	-22.836	211.621	80.545	34	no	no
	0.573	-22.756	211.702	80.626	32	no	no
	0.573	-22.739	211.719	80.642	23	no	no
	0.572	-22.642	211.815	80.739	42	no	no
	0.572	-22.610	211.848	80.771	31	no	no
	0.571	-22.491	211.966	80.890	31	no	no
	0.570	-22.392	212.066	80.989	39	no	no
	0.570	-22.343	212.115	81.038	29	no	no
	0.569	-22.303	212.155	81.078	31	no	no
N.min	0.569	-22.243	212.215	81.138	36	no	no
	0.567	-22.048	212.409	81.333	29	no	no
	0.567	-22.012	212.446	81.369	30	no	no
	0.566	-21.927	212.531	81.454	23	no	no
	0.566	-21.847	212.611	81.534	26	no	no
	0.565	-21.676	212.782	81.705	37	no	no
	0.564	-21.675	212.783	81.707	29	no	no
N.min	0.562	-21.402	213.056	81.979	40	no	no
	0.562	-21.344	213.114	82.037	36	no	no
	0.562	-21.312	213.146	82.069	36	no	no
	0.562	-21.311	213.147	82.070	30	no	no
	0.561	-21.185	213.273	82.196	37	no	no
	0.560	-21.109	213.349	82.272	29	no	no

N.min	0.557	-20.697	213.760	82.684	35	no	no
N.min	0.557	-20.680	213.778	82.701	29	no	no
	0.555	-20.521	213.937	82.860	31	no	no
	0.554	-20.378	214.079	83.003	37	no	no
	0.554	-20.308	214.150	83.073	39	no	no
	0.553	-20.244	214.214	83.138	33	no	no
	0.553	-20.232	214.226	83.149	35	no	no
	0.553	-20.194	214.264	83.187	37	no	no
	0.553	-20.191	214.267	83.190	38	no	no
	0.552	-20.116	214.342	83.266	36	no	no
	0.552	-20.072	214.386	83.309	38	no	no
	0.552	-20.066	214.392	83.315	32	no	no
	0.551	-19.956	214.501	83.425	38	no	no
	0.550	-19.912	214.546	83.470	36	no	no
	0.549	-19.732	214.725	83.649	37	no	no
N.min	0.548	-19.657	214.801	83.724	34	no	no
	0.546	-19.355	215.103	84.027	37	no	no
N.min	0.546	-19.330	215.127	84.051	22	no	no
N.min	0.545	-19.215	215.243	84.166	36	no	no
	0.544	-19.109	215.349	84.272	39	no	no
N.min	0.542	-18.862	215.595	84.519	42	no	no
N.min	0.541	-18.842	215.616	84.539	29	no	no
	0.538	-18.471	215.987	84.911	36	no	no
N.min	0.538	-18.452	216.006	84.929	30	no	no
N.min	0.538	-18.430	216.028	84.951	40	no	no
N.min	0.538	-18.416	216.042	84.965	23	no	no
	0.538	-18.396	216.061	84.985	31	no	no
	0.538	-18.372	216.086	85.009	36	no	no
	0.537	-18.323	216.135	85.058	30	no	no
	0.530	-17.440	217.018	85.941	37	no	no
	0.529	-17.379	217.078	86.002	30	no	no
N.min	0.527	-17.177	217.280	86.204	41	no	no
N.min	0.525	-16.942	217.515	86.439	42	no	no
	0.515	-15.744	218.714	87.637	25	no	no
	0.515	-15.732	218.725	87.649	37	no	no
	0.513	-15.565	218.893	87.816	35	no	no
	0.513	-15.481	218.976	87.900	31	no	no
	0.511	-15.248	219.210	88.133	29	no	no
	0.510	-15.204	219.253	88.177	36	no	no
	0.506	-14.795	219.663	88.586	24	no	no
	0.505	-14.656	219.802	88.725	26	no	no
N.min	0.505	-14.604	219.854	88.778	29	no	no
	0.504	-14.544	219.913	88.837	32	no	no
	0.504	-14.534	219.924	88.847	32	no	no
	0.502	-14.256	220.202	89.125	38	no	no
	0.499	-14.012	220.446	89.370	43	no	no
	0.499	-13.959	220.499	89.422	33	no	no
	0.497	-13.795	220.663	89.587	33	no	no
	0.496	-13.661	220.796	89.720	32	no	no
	0.494	-13.459	220.998	89.922	32	no	no
	0.493	-13.319	221.139	90.062	33	no	no
	0.493	-13.297	221.161	90.084	27	no	no
	0.487	-12.704	221.754	90.677	37	no	no
	0.485	-12.415	222.043	90.966	44	no	no
	0.483	-12.223	222.234	91.158	42	no	no
	0.482	-12.142	222.316	91.240	28	no	no
	0.482	-12.125	222.332	91.256	34	no	no
	0.478	-11.757	222.701	91.624	38	no	no
	0.478	-11.659	222.799	91.722	31	no	no
	0.477	-11.624	222.833	91.757	32	no	no
	0.475	-11.441	223.017	91.940	34	no	no
	0.472	-11.131	223.327	92.251	33	no	no
	0.470	-10.900	223.557	92.481	33	no	no

0.470	-10.874	223.583	92.507	31	no	no	
0.469	-10.796	223.662	92.585	38	no	no	
0.468	-10.637	223.821	92.744	43	no	no	
0.464	-10.239	224.219	93.142	42	no	no	
0.464	-10.211	224.247	93.170	37	no	no	
0.461	-9.919	224.539	93.462	44	no	no	
0.459	-9.777	224.681	93.604	24	no	no	
0.457	-9.569	224.888	93.812	40	no	no	
0.456	-9.417	225.040	93.964	35	no	no	
0.455	-9.373	225.085	94.009	44	no	no	
0.454	-9.262	225.196	94.119	39	no	no	
0.454	-9.240	225.218	94.141	30	no	no	
0.450	-8.823	225.635	94.558	40	no	no	
0.446	-8.453	226.005	94.928	43	no	no	
0.440	-7.859	226.599	95.522	31	no	no	
0.436	-7.413	227.045	95.969	34	no	no	
0.432	-7.095	227.363	96.287	45	no	no	
0.430	-6.862	227.596	96.519	34	no	no	
0.416	-5.548	228.910	97.833	39	no	no	
0.414	-5.340	229.118	98.041	30	no	no	
0.413	-5.239	229.219	98.142	45	no	no	
0.407	-4.661	229.797	98.720	26	no	no	
0.406	-4.604	229.853	98.777	32	no	no	
0.394	-3.490	230.967	99.891	25	no	no	
0.391	-3.263	231.195	100.118	40	no	no	
0.390	-3.186	231.272	100.195	38	no	no	
0.388	-3.002	231.456	100.379	25	no	no	
0.387	-2.899	231.558	100.482	26	no	no	
0.386	-2.800	231.658	100.581	37	no	no	
0.384	-2.603	231.854	100.778	32	no	no	
0.378	-2.082	232.376	101.299	39	no	no	
0.375	-1.776	232.682	101.605	39	no	no	
0.373	-1.626	232.831	101.755	40	no	no	
0.362	-0.652	233.806	102.729	32	no	no	
0.360	-0.542	233.916	102.839	32	no	no	
0.346	0.702	235.160	104.083	31	no	no	
0.344	0.828	235.285	104.209	38	no	no	
0.328	2.190	236.648	105.571	33	no	no	
0.320	2.829	237.286	106.210	33	no	no	
0.312	3.445	237.902	106.826	32	no	no	
0.309	3.677	238.135	107.058	27	no	no	
0.282	5.849	240.307	109.230	38	no	no	
0.203	11.574	246.031	114.955	45	no	no	
0.876	-94.967	139.491 -		21	yes	no	
0.844	-81.984	152.474	12.983	16	no	no	
N.min	0.843	-81.921	152.536	13.045	23	no	no
	0.839	-80.544	153.913	14.422	20	no	no
	0.838	-79.958	154.499	15.008	16	no	no
N.min	0.837	-79.681	154.777	15.286	19	no	no
	0.836	-79.339	155.119	15.628	21	no	no
	0.834	-78.793	155.664	16.174	21	no	no
	0.833	-78.310	156.147	16.657	17	no	no
N.min	0.832	-78.084	156.374	16.883	19	no	no
	0.828	-76.632	157.825	18.334	26	no	no
	0.825	-75.815	158.643	19.152	21	no	no
	0.825	-75.696	158.761	19.270	15	no	no
	0.824	-75.407	159.050	19.560	22	no	no
N.min	0.824	-75.360	159.097	19.607	17	no	no
N.min	0.823	-75.280	159.178	19.687	18	no	no
	0.822	-74.966	159.492	20.001	14	no	no
	0.822	-74.861	159.597	20.106	17	no	no
	0.822	-74.765	159.693	20.202	24	no	no
	0.818	-73.802	160.656	21.165	22	no	no

	0.818	-73.751	160.707	21.216	19	no	no
	0.818	-73.729	160.729	21.238	17	no	no
	0.817	-73.491	160.967	21.476	21	no	no
	0.816	-73.021	161.437	21.946	16	no	no
	0.815	-72.889	161.569	22.078	22	no	no
	0.815	-72.739	161.719	22.228	22	no	no
N.min	0.813	-72.211	162.247	22.756	23	no	no
	0.813	-72.163	162.294	22.803	22	no	no
	0.811	-71.549	162.909	23.418	23	no	no
	0.811	-71.467	162.991	23.500	14	no	no
	0.810	-71.269	163.189	23.698	17	no	no
	0.809	-70.973	163.485	23.994	21	no	no
	0.808	-70.594	163.863	24.373	21	no	no
N.min	0.805	-69.917	164.541	25.050	19	no	no
	0.805	-69.844	164.614	25.123	23	no	no
	0.805	-69.780	164.678	25.187	22	no	no
	0.804	-69.689	164.769	25.278	24	no	no
	0.804	-69.557	164.901	25.410	19	no	no
	0.803	-69.265	165.193	25.702	21	no	no
	0.802	-69.047	165.411	25.920	26	no	no
	0.802	-68.977	165.481	25.990	24	no	no
N.min	0.800	-68.602	165.856	26.365	26	no	no
	0.800	-68.396	166.061	26.570	14	no	no
	0.799	-68.321	166.137	26.646	28	no	no
	0.799	-68.288	166.170	26.679	22	no	no
	0.799	-68.243	166.215	26.724	14	no	no
	0.799	-68.108	166.350	26.859	27	no	no
N.min	0.798	-67.940	166.518	27.027	19	no	no
	0.797	-67.759	166.699	27.208	15	no	no
	0.795	-67.142	167.315	27.825	20	no	no
N.min	0.795	-67.044	167.413	27.922	18	no	no
N.min	0.794	-66.744	167.714	28.223	23	no	no
	0.793	-66.643	167.815	28.324	23	no	no
	0.793	-66.557	167.900	28.409	23	no	no
	0.792	-66.317	168.140	28.650	28	no	no
N.min	0.789	-65.635	168.822	29.332	23	no	no
N.min	0.788	-65.314	169.144	29.653	16	no	no
N.min	0.786	-64.881	169.577	30.086	24	no	no
N.min	0.786	-64.818	169.640	30.149	25	no	no
	0.785	-64.527	169.930	30.440	21	no	no
	0.784	-64.236	170.222	30.731	15	no	no
	0.782	-63.723	170.735	31.244	16	no	no
	0.782	-63.669	170.788	31.297	15	no	no
N.min	0.781	-63.615	170.843	31.352	24	no	no
N.min	0.781	-63.489	170.969	31.478	26	no	no
N.min	0.781	-63.468	170.990	31.499	16	no	no
	0.780	-63.304	171.154	31.663	15	no	no
	0.778	-62.690	171.767	32.277	23	no	no
	0.778	-62.637	171.821	32.330	9	no	yes
	0.777	-62.487	171.971	32.480	23	no	no
N.min	0.777	-62.451	172.006	32.516	17	no	no
	0.776	-62.289	172.168	32.677	21	no	no
	0.775	-62.099	172.358	32.868	22	no	no
N.min	0.775	-61.964	172.494	33.003	12	no	no
	0.774	-61.764	172.694	33.203	20	no	no
N.min	0.773	-61.405	173.053	33.562	18	no	no
	0.772	-61.315	173.142	33.652	19	no	no
N.min	0.771	-61.023	173.435	33.944	16	no	no
	0.771	-60.954	173.504	34.013	28	no	no
N.min	0.770	-60.871	173.587	34.096	17	no	no
	0.769	-60.498	173.960	34.469	10	no	no
N.min	0.767	-60.165	174.293	34.802	19	no	no
	0.767	-59.992	174.466	34.975	21	no	no

	0.767	-59.990	174.468	34.977	15	no	no
	0.766	-59.954	174.504	35.013	22	no	no
	0.766	-59.948	174.510	35.019	21	no	no
	0.766	-59.940	174.518	35.027	23	no	no
	0.766	-59.818	174.639	35.149	21	no	no
N.min	0.765	-59.703	174.755	35.264	21	no	no
N.min	0.765	-59.563	174.895	35.404	23	no	no
	0.764	-59.438	175.019	35.529	21	no	no
N.min	0.763	-59.153	175.305	35.814	18	no	no
N.min	0.763	-59.043	175.415	35.924	28	no	no
	0.762	-58.857	175.601	36.110	24	no	no
	0.762	-58.842	175.616	36.125	24	no	no
	0.762	-58.840	175.618	36.127	22	no	no
N.min	0.762	-58.826	175.632	36.141	16	no	no
	0.762	-58.807	175.650	36.159	18	no	no
	0.760	-58.355	176.103	36.612	15	no	no
	0.760	-58.345	176.113	36.622	19	no	no
N.min	0.759	-58.205	176.252	36.762	23	no	no
N.min	0.759	-58.197	176.261	36.770	11	no	no
	0.759	-58.114	176.344	36.853	13	no	no
	0.758	-57.891	176.566	37.075	19	no	no
	0.757	-57.884	176.574	37.083	20	no	no
N.min	0.757	-57.855	176.602	37.112	24	no	no
	0.756	-57.658	176.800	37.309	16	no	no
N.min	0.756	-57.614	176.844	37.353	26	no	no
	0.756	-57.542	176.915	37.424	28	no	no
	0.754	-57.192	177.265	37.774	20	no	no
N.min	0.754	-57.176	177.282	37.791	12	no	no
	0.754	-57.167	177.290	37.800	28	no	no
	0.754	-57.058	177.400	37.909	28	no	no
N.min	0.753	-56.920	177.538	38.047	23	no	no
	0.753	-56.875	177.583	38.092	26	no	no
N.min	0.753	-56.802	177.656	38.165	21	no	no
	0.752	-56.744	177.714	38.223	26	no	no
	0.752	-56.729	177.728	38.238	20	no	no
	0.752	-56.709	177.749	38.258	13	no	no
N.min	0.752	-56.685	177.772	38.282	17	no	no
	0.752	-56.658	177.800	38.309	23	no	no
N.min	0.752	-56.638	177.820	38.329	12	no	no
	0.751	-56.501	177.957	38.466	20	no	no
	0.751	-56.470	177.987	38.497	14	no	no
	0.751	-56.362	178.096	38.605	16	no	no
	0.750	-56.319	178.138	38.648	22	no	no
N.min	0.750	-56.277	178.181	38.690	17	no	no
	0.750	-56.181	178.277	38.786	17	no	no
	0.750	-56.139	178.318	38.827	16	no	no
N.min	0.749	-56.017	178.441	38.950	22	no	no
	0.749	-55.937	178.520	39.030	14	no	no
	0.748	-55.821	178.637	39.146	20	no	no
	0.748	-55.696	178.762	39.271	21	no	no
	0.747	-55.629	178.828	39.338	27	no	no
N.min	0.747	-55.598	178.860	39.369	25	no	no
	0.747	-55.568	178.890	39.399	15	no	no
	0.747	-55.525	178.933	39.442	21	no	no
N.min	0.747	-55.515	178.943	39.452	24	no	no
N.min	0.747	-55.501	178.957	39.466	17	no	no
	0.747	-55.487	178.971	39.480	22	no	no
	0.746	-55.412	179.046	39.555	26	no	no
N.min	0.746	-55.410	179.048	39.557	17	no	no
	0.745	-55.201	179.256	39.765	19	no	no
N.min	0.745	-55.093	179.365	39.874	18	no	no
	0.745	-55.081	179.377	39.886	27	no	no
N.min	0.743	-54.792	179.666	40.175	17	no	no

	0.742	-54.456	180.002	40.511	24	no	no
	0.741	-54.339	180.119	40.628	19	no	no
N.min	0.741	-54.228	180.230	40.739	25	no	no
	0.741	-54.214	180.244	40.753	16	no	no
	0.740	-54.131	180.327	40.836	15	no	no
	0.740	-54.041	180.417	40.926	19	no	no
	0.740	-53.983	180.475	40.984	16	no	no
	0.739	-53.814	180.643	41.152	20	no	no
N.min	0.739	-53.809	180.649	41.158	15	no	no
	0.738	-53.676	180.781	41.291	22	no	no
	0.738	-53.534	180.924	41.433	28	no	no
N.min	0.737	-53.450	181.008	41.517	24	no	no
	0.736	-53.159	181.299	41.808	14	no	no
	0.736	-53.147	181.311	41.820	22	no	no
	0.736	-53.117	181.341	41.850	22	no	no
N.min	0.735	-52.944	181.514	42.023	19	no	no
N.min	0.734	-52.792	181.665	42.175	19	no	no
	0.733	-52.686	181.772	42.281	21	no	no
	0.733	-52.671	181.786	42.296	16	no	no
	0.733	-52.653	181.805	42.314	23	no	no
	0.733	-52.609	181.849	42.358	23	no	no
	0.731	-52.253	182.204	42.713	14	no	no
	0.731	-52.219	182.239	42.748	21	no	no
	0.731	-52.215	182.243	42.752	22	no	no
N.min	0.731	-52.213	182.244	42.753	18	no	no
	0.731	-52.182	182.276	42.785	21	no	no
	0.731	-52.179	182.278	42.788	26	no	no
N.min	0.731	-52.143	182.315	42.824	19	no	no
	0.730	-52.040	182.417	42.927	21	no	no
	0.730	-51.935	182.523	43.032	21	no	no
	0.730	-51.922	182.536	43.045	28	no	no
N.min	0.729	-51.850	182.608	43.117	21	no	no
	0.729	-51.781	182.677	43.186	19	no	no
	0.729	-51.761	182.697	43.206	28	no	no
	0.728	-51.629	182.829	43.338	23	no	no
N.min	0.728	-51.578	182.880	43.389	30	no	no
N.min	0.727	-51.467	182.991	43.500	30	no	no
N.min	0.727	-51.384	183.074	43.583	23	no	no
	0.727	-51.322	183.136	43.645	25	no	no
N.min	0.727	-51.318	183.140	43.649	19	no	no
	0.727	-51.272	183.185	43.695	16	no	no
	0.726	-51.199	183.258	43.768	19	no	no
	0.725	-51.045	183.413	43.922	20	no	no
	0.725	-51.015	183.442	43.952	24	no	no
	0.723	-50.641	183.817	44.326	18	no	no
	0.723	-50.599	183.858	44.368	22	no	no
	0.723	-50.576	183.882	44.391	9	no	yes
	0.723	-50.517	183.941	44.450	23	no	no
N.min	0.723	-50.512	183.946	44.455	18	no	no
N.min	0.723	-50.502	183.956	44.465	11	no	no
	0.723	-50.488	183.970	44.479	20	no	no
N.min	0.722	-50.441	184.016	44.526	19	no	no
	0.722	-50.413	184.045	44.554	22	no	no
N.min	0.722	-50.364	184.094	44.603	16	no	no
	0.722	-50.315	184.143	44.652	17	no	no
	0.721	-50.233	184.225	44.734	17	no	no
	0.720	-50.043	184.414	44.924	22	no	no
	0.720	-49.981	184.476	44.986	24	no	no
N.min	0.720	-49.978	184.480	44.989	18	no	no
N.min	0.720	-49.882	184.576	45.085	18	no	no
N.min	0.719	-49.833	184.625	45.134	19	no	no
	0.719	-49.819	184.638	45.147	22	no	no
	0.719	-49.714	184.744	45.253	30	no	no

	0.718	-49.662	184.795	45.305	23	no	no
	0.718	-49.659	184.799	45.308	16	no	no
	0.718	-49.623	184.835	45.344	27	no	no
	0.718	-49.535	184.923	45.432	24	no	no
	0.718	-49.518	184.940	45.449	21	no	no
N.min	0.718	-49.499	184.959	45.468	29	no	no
	0.717	-49.446	185.012	45.521	15	no	no
N.min	0.717	-49.385	185.073	45.582	25	no	no
N.min	0.717	-49.373	185.085	45.594	28	no	no
N.min	0.716	-49.199	185.258	45.767	24	no	no
N.min	0.716	-49.138	185.319	45.829	22	no	no
N.min	0.715	-49.074	185.383	45.892	22	no	no
	0.715	-48.978	185.480	45.989	23	no	no
	0.715	-48.926	185.532	46.041	13	no	no
	0.715	-48.909	185.549	46.058	22	no	no
N.min	0.714	-48.844	185.614	46.123	21	no	no
	0.714	-48.830	185.627	46.137	29	no	no
N.min	0.713	-48.703	185.755	46.264	26	no	no
	0.713	-48.663	185.795	46.304	20	no	no
	0.713	-48.538	185.919	46.429	23	no	no
N.min	0.712	-48.443	186.015	46.524	24	no	no
	0.712	-48.355	186.102	46.612	21	no	no
N.min	0.711	-48.254	186.203	46.713	24	no	no
	0.711	-48.246	186.211	46.721	24	no	no
	0.710	-48.007	186.451	46.960	19	no	no
	0.709	-47.935	186.523	47.032	22	no	no
N.min	0.709	-47.918	186.539	47.048	19	no	no
N.min	0.709	-47.802	186.656	47.165	11	no	no
	0.708	-47.729	186.729	47.238	17	no	no
	0.708	-47.719	186.739	47.248	22	no	no
	0.708	-47.674	186.783	47.293	26	no	no
	0.708	-47.669	186.789	47.298	29	no	no
N.min	0.708	-47.576	186.882	47.391	17	no	no
	0.707	-47.556	186.902	47.411	20	no	no
	0.707	-47.551	186.907	47.416	19	no	no
	0.707	-47.529	186.928	47.437	24	no	no
	0.707	-47.487	186.970	47.479	9	no	yes
	0.707	-47.472	186.986	47.495	24	no	no
	0.706	-47.317	187.141	47.650	29	no	no
	0.705	-47.176	187.281	47.790	15	no	no
	0.705	-47.078	187.380	47.889	20	no	no
	0.704	-47.005	187.453	47.962	28	no	no
N.min	0.703	-46.820	187.638	48.147	25	no	no
N.min	0.703	-46.814	187.643	48.152	16	no	no
	0.703	-46.704	187.754	48.263	14	no	no
N.min	0.703	-46.688	187.770	48.279	13	no	no
	0.703	-46.677	187.780	48.290	14	no	no
	0.702	-46.579	187.879	48.388	15	no	no
N.min	0.702	-46.468	187.990	48.499	25	no	no
N.min	0.701	-46.409	188.049	48.558	23	no	no
	0.701	-46.373	188.085	48.594	16	no	no
	0.701	-46.361	188.097	48.606	23	no	no
	0.701	-46.283	188.175	48.684	22	no	no
N.min	0.700	-46.203	188.255	48.764	23	no	no
N.min	0.699	-46.069	188.388	48.897	21	no	no
	0.699	-46.030	188.428	48.937	24	no	no
	0.699	-46.015	188.443	48.952	21	no	no
N.min	0.699	-45.958	188.500	49.009	24	no	no
	0.698	-45.828	188.630	49.139	27	no	no
	0.698	-45.757	188.700	49.210	29	no	no
	0.697	-45.662	188.795	49.304	21	no	no
	0.697	-45.566	188.892	49.401	25	no	no
N.min	0.697	-45.557	188.901	49.410	25	no	no



	0.696	-45.523	188.935	49.444	29	no	no
	0.696	-45.452	189.006	49.515	30	no	no
N.min	0.696	-45.384	189.073	49.583	24	no	no
N.min	0.695	-45.304	189.154	49.663	14	no	no
	0.695	-45.252	189.206	49.715	18	no	no
N.min	0.695	-45.183	189.274	49.783	26	no	no
	0.694	-45.159	189.299	49.808	26	no	no
	0.693	-44.971	189.487	49.996	28	no	no
	0.693	-44.963	189.495	50.004	28	no	no
	0.693	-44.945	189.513	50.022	24	no	no
N.min	0.693	-44.933	189.525	50.034	20	no	no
	0.693	-44.870	189.588	50.097	22	no	no
N.min	0.692	-44.760	189.698	50.207	26	no	no
	0.692	-44.717	189.741	50.250	31	no	no
N.min	0.692	-44.676	189.782	50.291	23	no	no
	0.691	-44.639	189.818	50.328	29	no	no
	0.691	-44.604	189.854	50.363	20	no	no
	0.691	-44.561	189.897	50.406	14	no	no
	0.691	-44.534	189.923	50.433	17	no	no
N.min	0.690	-44.387	190.071	50.580	22	no	no
	0.690	-44.382	190.076	50.585	21	no	no
	0.690	-44.349	190.109	50.618	22	no	no
	0.690	-44.310	190.148	50.657	26	no	no
	0.689	-44.262	190.196	50.705	24	no	no
	0.689	-44.205	190.253	50.762	20	no	no
N.min	0.689	-44.157	190.300	50.810	17	no	no
N.min	0.688	-44.108	190.350	50.859	25	no	no
	0.688	-44.093	190.365	50.874	23	no	no
	0.688	-44.037	190.421	50.930	26	no	no
N.min	0.688	-43.957	190.501	51.010	21	no	no
N.min	0.687	-43.917	190.541	51.050	23	no	no
	0.686	-43.736	190.722	51.231	16	no	no
	0.684	-43.298	191.160	51.669	24	no	no
	0.683	-43.221	191.237	51.746	22	no	no
N.min	0.683	-43.189	191.269	51.778	22	no	no
N.min	0.683	-43.122	191.336	51.845	24	no	no
N.min	0.683	-43.116	191.342	51.851	25	no	no
N.min	0.681	-42.832	191.626	52.135	26	no	no
	0.681	-42.768	191.689	52.198	23	no	no
N.min	0.681	-42.753	191.704	52.213	26	no	no
	0.681	-42.752	191.705	52.215	25	no	no
N.min	0.681	-42.730	191.728	52.237	25	no	no
N.min	0.681	-42.728	191.730	52.239	24	no	no
	0.680	-42.709	191.749	52.258	20	no	no
N.min	0.680	-42.640	191.817	52.326	18	no	no
	0.679	-42.493	191.965	52.474	26	no	no
	0.679	-42.458	192.000	52.509	27	no	no
N.min	0.678	-42.235	192.223	52.732	26	no	no
N.min	0.677	-42.203	192.255	52.764	19	no	no
N.min	0.677	-42.054	192.404	52.913	18	no	no
	0.677	-42.043	192.415	52.924	18	no	no
	0.676	-41.957	192.501	53.010	11	no	no
	0.676	-41.943	192.515	53.024	27	no	no
	0.676	-41.912	192.546	53.055	22	no	no
	0.676	-41.883	192.575	53.084	24	no	no
	0.676	-41.877	192.580	53.090	23	no	no
	0.675	-41.852	192.606	53.115	17	no	no
	0.675	-41.712	192.745	53.255	18	no	no
N.min	0.674	-41.608	192.850	53.359	23	no	no
N.min	0.673	-41.518	192.940	53.449	24	no	no
	0.673	-41.471	192.986	53.495	15	no	no
N.min	0.672	-41.234	193.224	53.733	28	no	no
N.min	0.672	-41.234	193.224	53.733	18	no	no

N.min	0.672	-41.229	193.229	53.738	22	no	no
	0.671	-41.175	193.283	53.792	26	no	no
	0.671	-41.159	193.298	53.807	27	no	no
	0.671	-41.040	193.418	53.927	22	no	no
N.min	0.671	-41.024	193.433	53.943	17	no	no
	0.670	-40.966	193.491	54.001	22	no	no
	0.670	-40.929	193.529	54.038	22	no	no
	0.670	-40.871	193.587	54.096	21	no	no
N.min	0.669	-40.852	193.605	54.114	23	no	no
	0.669	-40.836	193.622	54.131	16	no	no
	0.669	-40.807	193.651	54.160	20	no	no
	0.669	-40.790	193.668	54.177	21	no	no
N.min	0.669	-40.745	193.713	54.222	22	no	no
	0.669	-40.722	193.736	54.245	28	no	no
	0.669	-40.720	193.738	54.247	29	no	no
	0.668	-40.682	193.776	54.285	20	no	no
	0.668	-40.675	193.783	54.292	19	no	no
	0.667	-40.521	193.937	54.446	18	no	no
	0.667	-40.481	193.977	54.486	23	no	no
	0.666	-40.249	194.208	54.718	14	no	no
	0.666	-40.243	194.214	54.723	25	no	no
	0.666	-40.236	194.222	54.731	24	no	no
	0.666	-40.221	194.237	54.746	23	no	no
	0.666	-40.213	194.245	54.754	26	no	no
N.min	0.665	-40.167	194.291	54.800	30	no	no
	0.665	-40.156	194.301	54.811	18	no	no
	0.665	-40.068	194.390	54.899	21	no	no
	0.664	-40.023	194.435	54.944	16	no	no
	0.664	-40.006	194.451	54.961	22	no	no
N.min	0.663	-39.844	194.614	55.123	23	no	no
	0.663	-39.827	194.631	55.140	19	no	no
	0.663	-39.754	194.704	55.213	23	no	no
N.min	0.662	-39.564	194.894	55.403	25	no	no
	0.661	-39.484	194.973	55.482	26	no	no
N.min	0.661	-39.408	195.050	55.559	24	no	no
N.min	0.661	-39.393	195.065	55.574	29	no	no
	0.660	-39.320	195.138	55.647	29	no	no
N.min	0.660	-39.242	195.216	55.725	20	no	no
N.min	0.659	-39.147	195.311	55.820	17	no	no
N.min	0.659	-39.091	195.366	55.876	18	no	no
N.min	0.659	-39.089	195.369	55.878	30	no	no
N.min	0.659	-39.072	195.386	55.895	20	no	no
	0.657	-38.869	195.589	56.098	29	no	no
	0.657	-38.831	195.627	56.136	27	no	no
	0.657	-38.820	195.638	56.147	24	no	no
	0.657	-38.764	195.694	56.203	30	no	no
	0.656	-38.639	195.818	56.328	21	no	no
N.min	0.655	-38.558	195.900	56.409	30	no	no
N.min	0.655	-38.547	195.911	56.420	13	no	no
	0.655	-38.458	196.000	56.509	28	no	no
	0.655	-38.457	196.001	56.510	25	no	no
	0.654	-38.354	196.104	56.613	28	no	no
N.min	0.654	-38.334	196.124	56.633	30	no	no
N.min	0.653	-38.166	196.291	56.801	21	no	no
	0.653	-38.163	196.295	56.804	23	no	no
	0.652	-38.055	196.403	56.912	30	no	no
N.min	0.652	-38.043	196.414	56.924	31	no	no
N.min	0.651	-37.912	196.546	57.055	24	no	no
	0.651	-37.900	196.558	57.067	16	no	no
N.min	0.651	-37.882	196.576	57.085	25	no	no
N.min	0.650	-37.751	196.706	57.216	30	no	no
N.min	0.650	-37.705	196.752	57.262	31	no	no
N.min	0.650	-37.654	196.804	57.313	29	no	no

	0.649	-37.591	196.867	57.376	30	no	no
N.min	0.649	-37.482	196.975	57.484	24	no	no
N.min	0.649	-37.472	196.986	57.495	24	no	no
	0.649	-37.469	196.989	57.498	23	no	no
	0.648	-37.393	197.064	57.573	22	no	no
	0.647	-37.302	197.156	57.665	21	no	no
	0.647	-37.224	197.234	57.743	15	no	no
	0.647	-37.171	197.286	57.795	28	no	no
	0.645	-36.943	197.515	58.024	29	no	no
N.min	0.645	-36.933	197.524	58.033	25	no	no
	0.645	-36.920	197.538	58.047	30	no	no
	0.645	-36.907	197.551	58.060	29	no	no
	0.645	-36.891	197.567	58.076	21	no	no
	0.644	-36.820	197.638	58.147	20	no	no
	0.644	-36.815	197.643	58.152	23	no	no
N.min	0.644	-36.733	197.724	58.234	26	no	no
N.min	0.644	-36.710	197.747	58.256	26	no	no
N.min	0.642	-36.412	198.046	58.555	24	no	no
	0.641	-36.316	198.142	58.651	25	no	no
	0.639	-36.012	198.445	58.955	26	no	no
N.min	0.638	-35.907	198.551	59.060	17	no	no
N.min	0.638	-35.850	198.608	59.117	23	no	no
	0.638	-35.821	198.637	59.146	31	no	no
	0.638	-35.778	198.680	59.189	24	no	no
	0.637	-35.757	198.700	59.210	31	no	no
	0.637	-35.673	198.784	59.294	27	no	no
N.min	0.636	-35.513	198.945	59.454	18	no	no
	0.636	-35.472	198.986	59.495	29	no	no
	0.632	-34.955	199.502	60.012	20	no	no
N.min	0.632	-34.937	199.521	60.030	25	no	no
N.min	0.632	-34.909	199.548	60.058	32	no	no
N.min	0.632	-34.895	199.562	60.072	27	no	no
	0.631	-34.851	199.606	60.115	22	no	no
	0.630	-34.711	199.747	60.256	27	no	no
N.min	0.630	-34.710	199.747	60.257	23	no	no
N.min	0.630	-34.655	199.803	60.312	29	no	no
	0.630	-34.604	199.854	60.363	33	no	no
N.min	0.629	-34.556	199.901	60.411	26	no	no
N.min	0.629	-34.467	199.991	60.500	25	no	no
N.min	0.629	-34.442	200.016	60.525	31	no	no
	0.627	-34.238	200.219	60.728	29	no	no
	0.627	-34.131	200.326	60.835	27	no	no
	0.625	-33.942	200.515	61.025	30	no	no
	0.625	-33.937	200.521	61.030	29	no	no
	0.625	-33.928	200.530	61.039	21	no	no
	0.625	-33.902	200.556	61.065	31	no	no
	0.625	-33.847	200.611	61.120	23	no	no
	0.624	-33.828	200.630	61.139	28	no	no
N.min	0.624	-33.771	200.687	61.196	32	no	no
N.min	0.623	-33.620	200.838	61.347	19	no	no
	0.623	-33.615	200.843	61.352	21	no	no
	0.623	-33.567	200.891	61.400	26	no	no
N.min	0.622	-33.492	200.966	61.475	20	no	no
N.min	0.621	-33.352	201.106	61.615	33	no	no
N.min	0.621	-33.295	201.162	61.672	31	no	no
	0.620	-33.223	201.235	61.744	27	no	no
	0.619	-33.038	201.420	61.929	24	no	no
	0.619	-32.988	201.469	61.979	23	no	no
	0.619	-32.986	201.471	61.980	25	no	no
N.min	0.619	-32.982	201.475	61.985	28	no	no
	0.619	-32.968	201.490	61.999	28	no	no
N.min	0.618	-32.903	201.555	62.064	27	no	no
	0.618	-32.821	201.637	62.146	31	no	no

	0.616	-32.554	201.904	62.413	29	no	no
	0.616	-32.546	201.912	62.421	22	no	no
	0.616	-32.539	201.919	62.428	19	no	no
N.min	0.615	-32.469	201.989	62.498	26	no	no
	0.615	-32.431	202.027	62.536	26	no	no
N.min	0.615	-32.429	202.029	62.538	24	no	no
	0.613	-32.240	202.218	62.727	27	no	no
	0.613	-32.149	202.309	62.818	27	no	no
N.min	0.613	-32.110	202.348	62.857	20	no	no
	0.612	-32.009	202.449	62.958	17	no	no
	0.612	-31.984	202.474	62.983	25	no	no
	0.611	-31.963	202.495	63.004	29	no	no
	0.611	-31.961	202.497	63.006	18	no	no
	0.610	-31.742	202.716	63.225	27	no	no
	0.609	-31.681	202.777	63.286	28	no	no
N.min	0.609	-31.607	202.851	63.360	23	no	no
	0.608	-31.539	202.918	63.427	29	no	no
	0.608	-31.525	202.933	63.442	25	no	no
	0.608	-31.517	202.941	63.450	25	no	no
	0.608	-31.480	202.978	63.487	30	no	no
N.min	0.607	-31.385	203.073	63.582	32	no	no
	0.607	-31.369	203.089	63.598	28	no	no
N.min	0.606	-31.198	203.260	63.769	25	no	no
N.min	0.606	-31.139	203.319	63.828	30	no	no
	0.605	-31.048	203.410	63.919	28	no	no
N.min	0.605	-31.030	203.428	63.937	24	no	no
	0.605	-30.995	203.463	63.972	33	no	no
N.min	0.604	-30.848	203.609	64.118	31	no	no
N.min	0.603	-30.781	203.677	64.186	31	no	no
	0.602	-30.642	203.815	64.325	30	no	no
	0.602	-30.575	203.883	64.392	29	no	no
N.min	0.601	-30.508	203.950	64.459	21	no	no
N.min	0.601	-30.440	204.018	64.527	27	no	no
	0.600	-30.410	204.048	64.557	20	no	no
N.min	0.600	-30.328	204.130	64.639	19	no	no
	0.599	-30.156	204.302	64.811	21	no	no
N.min	0.598	-30.105	204.352	64.861	27	no	no
N.min	0.598	-30.052	204.406	64.915	26	no	no
	0.597	-29.886	204.572	65.081	28	no	no
	0.595	-29.732	204.726	65.235	32	no	no
	0.593	-29.440	205.018	65.527	27	no	no
	0.593	-29.429	205.028	65.537	22	no	no
	0.593	-29.374	205.083	65.593	25	no	no
	0.592	-29.241	205.217	65.726	28	no	no
N.min	0.591	-29.173	205.285	65.794	25	no	no
	0.587	-28.648	205.809	66.319	22	no	no
N.min	0.586	-28.515	205.942	66.452	20	no	no
N.min	0.585	-28.390	206.068	66.577	18	no	no
N.min	0.585	-28.381	206.077	66.586	18	no	no
N.min	0.585	-28.340	206.118	66.627	25	no	no
	0.585	-28.301	206.157	66.666	28	no	no
	0.585	-28.271	206.187	66.696	35	no	no
	0.583	-28.021	206.437	66.946	23	no	no
N.min	0.579	-27.570	206.887	67.397	26	no	no
N.min	0.578	-27.441	207.017	67.526	25	no	no
N.min	0.577	-27.319	207.139	67.648	24	no	no
	0.576	-27.107	207.351	67.860	27	no	no
	0.575	-27.080	207.378	67.887	26	no	no
	0.575	-26.995	207.462	67.972	33	no	no
N.min	0.575	-26.993	207.465	67.974	25	no	no
N.min	0.575	-26.983	207.474	67.984	28	no	no
N.min	0.575	-26.966	207.492	68.001	18	no	no
	0.574	-26.878	207.580	68.089	30	no	no

N.min	0.574	-26.856	207.602	68.111	24	no	no
N.min	0.573	-26.796	207.661	68.171	26	no	no
	0.573	-26.760	207.698	68.207	25	no	no
	0.573	-26.748	207.709	68.219	31	no	no
	0.572	-26.617	207.841	68.350	23	no	no
	0.570	-26.437	208.021	68.530	24	no	no
	0.569	-26.308	208.150	68.659	34	no	no
N.min	0.568	-26.169	208.289	68.798	26	no	no
	0.567	-26.047	208.410	68.919	20	no	no
	0.567	-26.008	208.449	68.959	33	no	no
	0.567	-25.943	208.515	69.024	22	no	no
	0.566	-25.919	208.539	69.048	22	no	no
	0.565	-25.760	208.698	69.207	21	no	no
N.min	0.565	-25.725	208.732	69.242	28	no	no
	0.563	-25.518	208.940	69.449	32	no	no
	0.563	-25.474	208.984	69.493	30	no	no
	0.561	-25.305	209.153	69.662	27	no	no
	0.561	-25.303	209.155	69.664	29	no	no
	0.561	-25.280	209.178	69.687	34	no	no
	0.561	-25.271	209.187	69.696	20	no	no
	0.561	-25.263	209.195	69.704	28	no	no
	0.559	-24.968	209.489	69.999	20	no	no
	0.558	-24.865	209.593	70.102	28	no	no
N.min	0.557	-24.694	209.764	70.273	25	no	no
N.min	0.556	-24.649	209.809	70.318	19	no	no
N.min	0.554	-24.360	210.098	70.607	25	no	no
	0.553	-24.207	210.251	70.760	32	no	no
	0.553	-24.196	210.262	70.771	30	no	no
	0.552	-24.179	210.279	70.788	29	no	no
	0.552	-24.093	210.365	70.874	28	no	no
	0.552	-24.078	210.379	70.888	29	no	no
	0.550	-23.921	210.537	71.046	26	no	no
	0.550	-23.910	210.548	71.057	27	no	no
	0.550	-23.864	210.594	71.103	30	no	no
	0.550	-23.863	210.595	71.104	23	no	no
	0.550	-23.842	210.616	71.125	28	no	no
	0.548	-23.612	210.846	71.355	30	no	no
N.min	0.548	-23.608	210.849	71.359	25	no	no
N.min	0.546	-23.427	211.031	71.540	26	no	no
	0.545	-23.292	211.166	71.675	26	no	no
	0.545	-23.274	211.183	71.692	28	no	no
	0.544	-23.184	211.274	71.783	28	no	no
N.min	0.544	-23.122	211.336	71.845	26	no	no
	0.542	-22.925	211.532	72.041	28	no	no
N.min	0.541	-22.844	211.613	72.122	32	no	no
N.min	0.541	-22.807	211.651	72.160	19	no	no
	0.540	-22.731	211.727	72.236	30	no	no
N.min	0.538	-22.459	211.998	72.507	20	no	no
	0.538	-22.456	212.002	72.511	29	no	no
N.min	0.538	-22.398	212.059	72.568	13	no	no
	0.537	-22.265	212.193	72.702	27	no	no
N.min	0.536	-22.174	212.283	72.793	24	no	no
N.min	0.536	-22.147	212.311	72.820	20	no	no
	0.534	-21.964	212.494	73.003	28	no	no
	0.534	-21.962	212.496	73.005	21	no	no
	0.533	-21.806	212.652	73.161	27	no	no
	0.532	-21.771	212.687	73.196	26	no	no
N.min	0.530	-21.459	212.999	73.508	27	no	no
	0.529	-21.405	213.053	73.562	26	no	no
	0.528	-21.311	213.147	73.656	21	no	no
N.min	0.528	-21.276	213.182	73.691	26	no	no
	0.528	-21.256	213.201	73.711	28	no	no
N.min	0.528	-21.232	213.226	73.735	30	no	no

	0.527	-21.194	213.264	73.773	27	no	no
N.min	0.524	-20.776	213.681	74.190	21	no	no
N.min	0.521	-20.450	214.007	74.516	32	no	no
N.min	0.521	-20.423	214.035	74.544	31	no	no
N.min	0.520	-20.327	214.130	74.639	27	no	no
	0.514	-19.635	214.823	75.332	28	no	no
	0.513	-19.556	214.902	75.411	26	no	no
N.min	0.509	-19.098	215.360	75.869	31	no	no
	0.509	-19.093	215.365	75.874	22	no	no
N.min	0.505	-18.624	215.834	76.343	32	no	no
N.min	0.504	-18.571	215.887	76.396	19	no	no
	0.504	-18.550	215.908	76.417	20	no	no
	0.504	-18.519	215.939	76.448	15	no	no
	0.504	-18.506	215.952	76.461	23	no	no
	0.504	-18.479	215.979	76.488	21	no	no
N.min	0.503	-18.418	216.040	76.549	27	no	no
N.min	0.502	-18.276	216.182	76.691	33	no	no
	0.501	-18.239	216.219	76.728	29	no	no
	0.501	-18.155	216.302	76.812	28	no	no
	0.496	-17.610	216.847	77.357	27	no	no
N.min	0.495	-17.539	216.919	77.428	20	no	no
N.min	0.495	-17.538	216.920	77.429	33	no	no
	0.494	-17.465	216.993	77.502	28	no	no
N.min	0.492	-17.262	217.195	77.705	34	no	no
	0.492	-17.254	217.204	77.713	27	no	no
	0.492	-17.227	217.230	77.739	23	no	no
	0.492	-17.199	217.258	77.768	27	no	no
	0.488	-16.803	217.655	78.164	22	no	no
	0.487	-16.679	217.779	78.288	29	no	no
	0.486	-16.619	217.839	78.348	23	no	no
	0.485	-16.486	217.972	78.481	27	no	no
	0.483	-16.280	218.178	78.687	27	no	no
	0.483	-16.210	218.248	78.757	33	no	no
	0.481	-16.021	218.436	78.945	18	no	no
	0.480	-15.964	218.494	79.003	35	no	no
	0.480	-15.895	218.563	79.072	29	no	no
	0.475	-15.449	219.008	79.518	22	no	no
	0.475	-15.398	219.059	79.569	28	no	no
	0.474	-15.335	219.123	79.632	24	no	no
	0.473	-15.230	219.228	79.737	24	no	no
N.min	0.473	-15.208	219.250	79.759	32	no	no
	0.472	-15.139	219.318	79.828	29	no	no
	0.470	-14.892	219.565	80.075	23	no	no
	0.469	-14.815	219.643	80.152	25	no	no
	0.461	-13.954	220.503	81.012	34	no	no
	0.460	-13.887	220.571	81.080	34	no	no
	0.460	-13.867	220.591	81.100	33	no	no
	0.460	-13.834	220.624	81.133	34	no	no
N.min	0.459	-13.787	220.670	81.179	26	no	no
	0.459	-13.764	220.694	81.203	28	no	no
	0.459	-13.706	220.752	81.261	26	no	no
	0.457	-13.525	220.932	81.441	21	no	no
	0.456	-13.424	221.034	81.543	25	no	no
	0.455	-13.375	221.083	81.592	35	no	no
	0.454	-13.246	221.212	81.721	21	no	no
	0.448	-12.679	221.778	82.288	30	no	no
	0.446	-12.453	222.004	82.514	30	no	no
	0.444	-12.235	222.223	82.732	33	no	no
	0.443	-12.166	222.292	82.801	34	no	no
	0.440	-11.882	222.575	83.085	29	no	no
	0.435	-11.405	223.053	83.562	24	no	no
	0.435	-11.318	223.139	83.648	31	no	no
	0.432	-11.113	223.345	83.854	36	no	no

0.432	-11.112	223.345	83.855	28	no	no
0.431	-10.939	223.519	84.028	32	no	no
0.430	-10.868	223.590	84.099	24	no	no
0.429	-10.743	223.715	84.224	26	no	no
0.427	-10.545	223.913	84.422	36	no	no
0.420	-9.924	224.534	85.043	35	no	no
0.420	-9.898	224.560	85.069	34	no	no
0.417	-9.668	224.790	85.299	34	no	no
0.416	-9.535	224.923	85.432	29	no	no
0.416	-9.513	224.945	85.454	25	no	no
0.413	-9.221	225.236	85.745	21	no	no
0.412	-9.203	225.255	85.764	35	no	no
0.412	-9.165	225.293	85.802	36	no	no
0.408	-8.751	225.706	86.216	35	no	no
0.407	-8.746	225.712	86.221	32	no	no
0.407	-8.691	225.767	86.276	31	no	no
0.406	-8.628	225.830	86.339	30	no	no
0.400	-8.075	226.383	86.892	23	no	no
0.391	-7.265	227.193	87.702	22	no	no
0.390	-7.122	227.336	87.845	16	no	no
0.389	-7.039	227.419	87.928	30	no	no
0.386	-6.807	227.651	88.160	28	no	no
0.386	-6.789	227.669	88.178	16	no	no
0.385	-6.660	227.797	88.307	37	no	no
0.383	-6.528	227.930	88.439	22	no	no
0.383	-6.492	227.966	88.475	23	no	no
0.378	-6.069	228.389	88.898	31	no	no
0.375	-5.790	228.668	89.177	29	no	no
0.375	-5.777	228.681	89.190	30	no	no
0.373	-5.632	228.825	89.334	30	no	no
0.368	-5.233	229.225	89.734	32	no	no
0.367	-5.095	229.363	89.872	29	no	no
0.366	-5.053	229.405	89.914	35	no	no
0.363	-4.799	229.659	90.168	27	no	no
0.355	-4.116	230.342	90.851	22	no	no
0.355	-4.107	230.351	90.860	23	no	no
0.353	-3.927	230.531	91.040	31	no	no
0.339	-2.719	231.739	92.248	22	no	no
0.334	-2.308	232.150	92.659	29	no	no
0.328	-1.789	232.669	93.178	24	no	no
0.317	-0.955	233.503	94.012	29	no	no
0.315	-0.735	233.723	94.232	31	no	no
0.314	-0.685	233.773	94.282	23	no	no
0.313	-0.636	233.821	94.331	28	no	no
0.309	-0.323	234.134	94.644	24	no	no
0.309	-0.290	234.167	94.677	17	no	no
0.309	-0.289	234.168	94.677	23	no	no
0.309	-0.266	234.192	94.701	18	no	no
0.307	-0.138	234.320	94.829	23	no	no
0.307	-0.131	234.327	94.836	24	no	no
0.298	0.568	235.026	95.535	30	no	no
0.282	1.823	236.281	96.790	22	no	no
0.279	2.041	236.499	97.008	29	no	no
0.268	2.863	237.321	97.830	28	no	no
0.266	3.061	237.519	98.028	25	no	no
0.262	3.362	237.820	98.329	30	no	no
0.259	3.559	238.016	98.525	30	no	no
0.255	3.882	238.340	98.849	30	no	no
0.228	5.821	240.279	100.788	29	no	no
0.220	6.403	240.861	101.370	24	no	no
0.199	7.816	242.274	102.783	37	no	no
0.193	8.210	242.668	103.177	35	no	no
0.186	8.691	243.149	103.658	36	no	no



	0.154	10.811	245.268	105.777	37	no	no
	0.121	12.959	247.417	107.926	35	no	no
	0.804	-73.696	160.762		14	yes	no
	0.800	-72.498	161.960	1.198	14	yes	no
	0.792	-70.287	164.170	3.409	18	no	no
N.min	0.781	-67.463	166.995	6.233	16	no	no
	0.775	-66.093	168.365	7.604	13	no	no
	0.761	-62.779	171.679	10.917	14	no	no
	0.750	-60.146	174.312	13.550	7	no	no
	0.747	-59.567	174.891	14.130	12	no	no
	0.747	-59.494	174.964	14.203	13	no	no
	0.746	-59.379	175.078	14.317	18	no	no
	0.744	-58.937	175.521	14.760	18	no	no
	0.737	-57.420	177.038	16.277	11	no	no
N.min	0.737	-57.352	177.106	16.344	15	no	no
	0.733	-56.541	177.917	17.155	13	no	no
N.min	0.730	-55.976	178.482	17.720	9	no	no
	0.723	-54.522	179.936	19.174	13	no	no
	0.720	-53.957	180.500	19.739	11	no	no
N.min	0.719	-53.733	180.724	19.963	9	no	no
	0.718	-53.663	180.794	20.033	7	no	no
	0.718	-53.599	180.859	20.097	14	no	no
	0.717	-53.451	181.006	20.245	18	no	no
N.min	0.717	-53.378	181.079	20.318	20	no	no
	0.716	-53.162	181.296	20.534	12	no	no
N.min	0.716	-53.145	181.313	20.551	13	no	no
	0.714	-52.878	181.580	20.818	13	no	no
	0.714	-52.794	181.664	20.902	20	no	no
N.min	0.711	-52.215	182.243	21.481	16	no	no
	0.710	-52.142	182.316	21.554	11	no	no
	0.708	-51.593	182.864	22.103	20	no	no
	0.707	-51.400	183.058	22.296	14	no	no
	0.706	-51.271	183.187	22.425	12	no	no
	0.701	-50.377	184.080	23.319	19	no	no
	0.700	-50.098	184.360	23.599	6	no	yes
	0.699	-50.024	184.434	23.673	14	no	no
	0.697	-49.554	184.903	24.142	12	no	no
	0.695	-49.305	185.153	24.391	19	no	no
N.min	0.693	-48.942	185.516	24.754	16	no	no
	0.691	-48.646	185.812	25.051	21	no	no
	0.691	-48.541	185.917	25.155	11	no	no
	0.689	-48.213	186.245	25.484	12	no	no
	0.687	-47.903	186.555	25.793	14	no	no
N.min	0.687	-47.790	186.667	25.906	11	no	no
	0.686	-47.708	186.750	25.988	16	no	no
	0.686	-47.649	186.808	26.047	7	no	no
	0.681	-46.758	187.700	26.938	14	no	no
N.min	0.680	-46.699	187.759	26.998	16	no	no
	0.679	-46.464	187.994	27.232	18	no	no
N.min	0.678	-46.231	188.227	27.465	14	no	no
N.min	0.678	-46.221	188.237	27.475	16	no	no
N.min	0.676	-45.958	188.500	27.738	9	no	no
	0.675	-45.831	188.627	27.865	8	no	no
	0.674	-45.649	188.809	28.048	14	no	no
	0.670	-44.966	189.492	28.730	18	no	no
N.min	0.670	-44.915	189.542	28.781	8	no	no
N.min	0.669	-44.752	189.706	28.945	14	no	no
	0.669	-44.724	189.733	28.972	19	no	no
	0.668	-44.618	189.840	29.078	6	no	yes
	0.667	-44.384	190.073	29.312	13	no	no
	0.666	-44.238	190.220	29.458	16	no	no
	0.665	-44.188	190.269	29.508	16	no	no
	0.665	-44.068	190.389	29.628	12	no	no

	0.663	-43.785	190.673	29.911	9	no	no
N.min	0.661	-43.411	191.047	30.285	15	no	no
	0.654	-42.412	192.045	31.284	12	no	no
	0.654	-42.390	192.068	31.307	19	no	no
	0.654	-42.385	192.073	31.311	15	no	no
	0.653	-42.180	192.277	31.516	16	no	no
N.min	0.653	-42.174	192.284	31.523	11	no	no
	0.652	-42.089	192.369	31.607	10	no	no
	0.652	-42.062	192.396	31.634	21	no	no
	0.652	-41.986	192.472	31.710	14	no	no
	0.650	-41.669	192.789	32.027	20	no	no
	0.649	-41.530	192.927	32.166	13	no	no
	0.648	-41.450	193.008	32.246	20	no	no
	0.648	-41.340	193.117	32.356	14	no	no
N.min	0.647	-41.279	193.179	32.417	15	no	no
N.min	0.646	-41.118	193.340	32.579	21	no	no
	0.646	-41.077	193.381	32.619	12	no	no
N.min	0.645	-40.879	193.579	32.817	20	no	no
	0.644	-40.755	193.703	32.942	12	no	no
	0.643	-40.655	193.802	33.041	14	no	no
	0.643	-40.617	193.840	33.079	6	no	yes
	0.641	-40.321	194.137	33.375	19	no	no
N.min	0.638	-39.793	194.665	33.903	15	no	no
N.min	0.637	-39.773	194.685	33.923	14	no	no
	0.637	-39.769	194.689	33.927	21	no	no
	0.634	-39.263	195.195	34.434	21	no	no
	0.634	-39.237	195.221	34.459	21	no	no
	0.634	-39.233	195.225	34.464	13	no	no
	0.633	-39.074	195.384	34.622	16	no	no
N.min	0.631	-38.872	195.586	34.825	16	no	no
	0.629	-38.534	195.924	35.162	18	no	no
N.min	0.628	-38.390	196.068	35.307	20	no	no
N.min	0.628	-38.338	196.120	35.359	15	no	no
N.min	0.625	-37.884	196.574	35.812	16	no	no
	0.624	-37.792	196.666	35.904	12	no	no
	0.624	-37.768	196.690	35.928	21	no	no
	0.624	-37.735	196.723	35.961	14	no	no
N.min	0.622	-37.476	196.981	36.220	10	no	no
	0.621	-37.365	197.092	36.331	13	no	no
N.min	0.620	-37.161	197.297	36.535	23	no	no
	0.620	-37.120	197.338	36.576	19	no	no
N.min	0.619	-36.992	197.465	36.704	22	no	no
N.min	0.618	-36.966	197.492	36.730	18	no	no
	0.618	-36.874	197.584	36.822	15	no	no
	0.615	-36.523	197.934	37.173	11	no	no
	0.613	-36.152	198.306	37.544	18	no	no
	0.612	-36.108	198.349	37.588	13	no	no
	0.611	-35.961	198.497	37.735	8	no	no
	0.610	-35.824	198.633	37.872	17	no	no
N.min	0.609	-35.551	198.907	38.145	14	no	no
	0.608	-35.492	198.966	38.204	15	no	no
	0.608	-35.479	198.979	38.217	21	no	no
	0.608	-35.430	199.028	38.266	17	no	no
	0.607	-35.369	199.089	38.327	19	no	no
	0.607	-35.324	199.134	38.372	16	no	no
	0.606	-35.175	199.282	38.521	20	no	no
	0.605	-35.000	199.458	38.696	19	no	no
N.min	0.604	-34.987	199.471	38.709	22	no	no
N.min	0.603	-34.822	199.636	38.874	23	no	no
	0.603	-34.774	199.683	38.922	16	no	no
	0.603	-34.764	199.694	38.932	19	no	no
N.min	0.602	-34.585	199.873	39.112	21	no	no
	0.601	-34.548	199.910	39.148	21	no	no

N.min	0.601	-34.491	199.967	39.205	22	no	no
N.min	0.601	-34.446	200.011	39.250	17	no	no
	0.596	-33.855	200.602	39.841	20	no	no
N.min	0.596	-33.823	200.635	39.873	18	no	no
	0.596	-33.774	200.683	39.922	19	no	no
	0.595	-33.736	200.722	39.961	23	no	no
N.min	0.594	-33.571	200.887	40.125	21	no	no
	0.581	-31.828	202.629	41.868	12	no	no
	0.580	-31.691	202.767	42.006	11	no	no
	0.575	-31.083	203.375	42.613	17	no	no
N.min	0.575	-30.976	203.482	42.721	18	no	no
	0.573	-30.736	203.722	42.960	13	no	no
	0.571	-30.475	203.983	43.222	21	no	no
	0.570	-30.444	204.013	43.252	14	no	no
	0.570	-30.360	204.098	43.336	15	no	no
N.min	0.566	-29.915	204.543	43.781	16	no	no
	0.564	-29.623	204.834	44.073	13	no	no
	0.564	-29.614	204.844	44.082	25	no	no
N.min	0.564	-29.590	204.868	44.107	18	no	no
	0.563	-29.525	204.933	44.172	22	no	no
N.min	0.562	-29.404	205.054	44.292	16	no	no
	0.561	-29.250	205.207	44.446	19	no	no
	0.561	-29.225	205.233	44.471	25	no	no
	0.559	-28.989	205.468	44.707	23	no	no
N.min	0.554	-28.352	206.105	45.344	15	no	no
	0.553	-28.281	206.177	45.415	20	no	no
	0.551	-28.068	206.390	45.628	20	no	no
	0.550	-27.869	206.588	45.827	21	no	no
	0.548	-27.621	206.837	46.075	23	no	no
	0.548	-27.617	206.840	46.079	21	no	no
N.min	0.545	-27.305	207.153	46.391	16	no	no
	0.545	-27.286	207.172	46.410	17	no	no
	0.545	-27.280	207.177	46.416	19	no	no
	0.544	-27.203	207.254	46.493	18	no	no
	0.543	-27.040	207.417	46.656	20	no	no
	0.538	-26.476	207.981	47.220	20	no	no
	0.537	-26.356	208.102	47.340	24	no	no
N.min	0.535	-26.116	208.341	47.580	15	no	no
N.min	0.535	-26.107	208.351	47.590	10	no	no
	0.534	-26.019	208.439	47.677	20	no	no
	0.532	-25.777	208.681	47.919	17	no	no
	0.530	-25.467	208.990	48.229	22	no	no
N.min	0.529	-25.376	209.082	48.321	17	no	no
	0.529	-25.335	209.123	48.362	19	no	no
N.min	0.528	-25.279	209.178	48.417	16	no	no
	0.524	-24.853	209.605	48.843	17	no	no
N.min	0.524	-24.784	209.674	48.913	11	no	no
	0.523	-24.734	209.724	48.962	18	no	no
N.min	0.520	-24.331	210.127	49.365	17	no	no
	0.518	-24.112	210.346	49.584	18	no	no
N.min	0.507	-22.840	211.618	50.857	18	no	no
N.min	0.503	-22.457	212.000	51.239	22	no	no
N.min	0.502	-22.363	212.094	51.333	17	no	no
	0.500	-22.065	212.393	51.632	12	no	no
N.min	0.498	-21.916	212.541	51.780	21	no	no
	0.498	-21.900	212.558	51.797	20	no	no
N.min	0.496	-21.677	212.781	52.019	23	no	no
	0.495	-21.540	212.918	52.156	18	no	no
	0.495	-21.522	212.936	52.174	19	no	no
N.min	0.495	-21.519	212.939	52.178	10	no	no
N.min	0.495	-21.513	212.945	52.183	23	no	no
	0.494	-21.451	213.006	52.245	19	no	no
N.min	0.492	-21.270	213.188	52.427	24	no	no

	0.491	-21.059	213.398	52.637	18	no	no
N.min	0.489	-20.941	213.517	52.755	18	no	no
	0.488	-20.775	213.683	52.922	13	no	no
	0.484	-20.341	214.116	53.355	18	no	no
	0.483	-20.298	214.160	53.398	18	no	no
	0.481	-20.070	214.387	53.626	19	no	no
	0.479	-19.816	214.642	53.881	20	no	no
	0.474	-19.301	215.157	54.395	20	no	no
	0.472	-19.063	215.395	54.633	20	no	no
N.min	0.471	-19.016	215.442	54.680	23	no	no
	0.471	-18.990	215.468	54.707	18	no	no
	0.467	-18.613	215.845	55.083	15	no	no
	0.465	-18.331	216.126	55.365	19	no	no
N.min	0.465	-18.330	216.128	55.366	25	no	no
N.min	0.464	-18.282	216.176	55.415	23	no	no
N.min	0.462	-18.108	216.350	55.588	22	no	no
	0.460	-17.871	216.587	55.825	25	no	no
N.min	0.459	-17.785	216.673	55.912	16	no	no
N.min	0.456	-17.466	216.992	56.230	17	no	no
	0.456	-17.423	217.035	56.273	25	no	no
	0.454	-17.252	217.206	56.444	12	no	no
	0.448	-16.646	217.812	57.050	19	no	no
	0.441	-15.950	218.508	57.747	24	no	no
	0.441	-15.945	218.512	57.751	17	no	no
	0.432	-15.110	219.347	58.586	27	no	no
	0.430	-14.918	219.540	58.779	23	no	no
	0.429	-14.750	219.708	58.946	16	no	no
	0.426	-14.519	219.938	59.177	24	no	no
N.min	0.426	-14.514	219.944	59.183	24	no	no
	0.423	-14.204	220.253	59.492	19	no	no
	0.422	-14.102	220.355	59.594	21	no	no
	0.420	-13.900	220.557	59.796	25	no	no
	0.416	-13.519	220.939	60.178	15	no	no
	0.414	-13.378	221.080	60.318	26	no	no
	0.413	-13.252	221.206	60.444	18	no	no
	0.413	-13.246	221.212	60.450	26	no	no
	0.412	-13.133	221.325	60.563	25	no	no
	0.411	-13.124	221.334	60.572	26	no	no
	0.407	-12.700	221.758	60.996	22	no	no
	0.406	-12.619	221.839	61.077	20	no	no
	0.406	-12.612	221.845	61.084	26	no	no
	0.405	-12.544	221.913	61.152	21	no	no
	0.388	-11.015	223.443	62.681	25	no	no
	0.386	-10.762	223.695	62.934	13	no	no
	0.384	-10.642	223.816	63.054	26	no	no
	0.384	-10.622	223.836	63.074	28	no	no
	0.382	-10.426	224.032	63.270	13	no	no
	0.381	-10.343	224.115	63.353	23	no	no
	0.375	-9.850	224.607	63.846	27	no	no
	0.375	-9.786	224.671	63.910	21	no	no
	0.368	-9.238	225.220	64.458	22	no	no
	0.367	-9.100	225.357	64.596	20	no	no
	0.365	-8.913	225.545	64.784	26	no	no
	0.364	-8.843	225.615	64.853	25	no	no
	0.363	-8.806	225.652	64.891	18	no	no
	0.362	-8.701	225.757	64.995	24	no	no
	0.353	-7.933	226.525	65.764	21	no	no
	0.352	-7.820	226.638	65.876	23	no	no
	0.351	-7.728	226.730	65.968	13	no	no
	0.337	-6.550	227.908	67.146	27	no	no
	0.316	-4.868	229.590	68.829	20	no	no
	0.315	-4.742	229.716	68.954	21	no	no
	0.314	-4.677	229.781	69.019	22	no	no

0.313	-4.631	229.827	69.065	19	no	no	
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0.261	-0.643	233.815	73.054	21	no	no	
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0.249	0.315	234.772	74.011	20	no	no	
0.226	1.924	236.381	75.620	20	no	no	
0.224	2.078	236.535	75.774	22	no	no	
0.219	2.444	236.902	76.140	15	no	no	
0.214	2.766	237.224	76.463	14	no	no	
0.212	2.915	237.373	76.612	20	no	no	
0.203	3.528	237.986	77.224	19	no	no	
0.195	4.080	238.538	77.777	22	no	no	
0.193	4.248	238.706	77.944	27	no	no	
0.181	5.067	239.525	78.763	28	no	no	
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0.149	7.164	241.621	80.860	28	no	no	
0.148	7.230	241.688	80.926	29	no	no	
0.146	7.332	241.790	81.028	27	no	no	
0.116	9.225	243.683	82.921	26	no	no	
0.113	9.413	243.871	83.110	27	no	no	
0.099	10.315	244.773	84.012	25	no	no	
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0.652	-46.106	188.352	8.193	6	no	no	
0.650	-45.676	188.781	8.622	11	no	no	
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0.633	-43.056	191.402	11.243	4	no	no	
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	0.606	-39.173	195.285	15.126	11	no	no
	0.602	-38.671	195.787	15.628	8	no	no
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	0.595	-37.753	196.705	16.546	11	no	no
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	0.570	-34.367	200.090	19.931	5	no	no
	0.565	-33.819	200.638	20.479	3	no	yes
	0.559	-32.996	201.462	21.303	13	no	no
	0.544	-31.203	203.255	23.096	9	no	no
	0.543	-31.046	203.412	23.253	11	no	no
	0.538	-30.480	203.978	23.819	11	no	no
	0.531	-29.643	204.815	24.656	15	no	no
	0.530	-29.458	204.999	24.840	13	no	no
	0.529	-29.420	205.038	24.879	12	no	no
	0.512	-27.446	207.012	26.853	9	no	no
N.min	0.507	-26.844	207.614	27.455	8	no	no
	0.493	-25.311	209.147	28.988	11	no	no

N.min	0.489	-24.887	209.570	29.411	8	no	no
	0.483	-24.305	210.153	29.994	10	no	no
	0.477	-23.676	210.782	30.623	9	no	no
N.min	0.470	-22.878	211.580	31.421	13	no	no
	0.467	-22.615	211.843	31.684	10	no	no
N.min	0.465	-22.336	212.122	31.963	15	no	no
	0.464	-22.254	212.204	32.045	10	no	no
N.min	0.456	-21.466	212.992	32.833	7	no	no
N.min	0.453	-21.177	213.281	33.122	13	no	no
	0.447	-20.563	213.895	33.736	10	no	no
	0.426	-18.469	215.989	35.830	15	no	no
N.min	0.425	-18.442	216.015	35.856	14	no	no
N.min	0.416	-17.532	216.925	36.766	15	no	no
	0.413	-17.233	217.225	37.066	17	no	no
	0.402	-16.250	218.208	38.049	9	no	no
	0.387	-14.913	219.545	39.386	16	no	no
	0.380	-14.287	220.171	40.012	17	no	no
	0.380	-14.279	220.179	40.020	13	no	no
	0.375	-13.804	220.654	40.495	18	no	no
	0.362	-12.702	221.756	41.597	16	no	no
	0.357	-12.231	222.227	42.068	15	no	no
	0.352	-11.841	222.617	42.457	16	no	no
	0.352	-11.827	222.631	42.472	13	no	no
	0.334	-10.352	224.106	43.947	18	no	no
	0.320	-9.169	225.289	45.130	17	no	no
	0.314	-8.684	225.774	45.615	12	no	no
	0.312	-8.560	225.897	45.738	10	no	no
	0.305	-8.000	226.458	46.299	5	no	no
	0.274	-5.594	228.864	48.705	11	no	no
	0.262	-4.665	229.793	49.634	6	no	no
	0.248	-3.690	230.768	50.609	11	no	no
	0.246	-3.519	230.939	50.780	11	no	no
	0.226	-2.082	232.376	52.217	11	no	no
	0.224	-1.914	232.544	52.385	13	no	no
	0.222	-1.760	232.698	52.539	12	no	no
	0.213	-1.177	233.281	53.122	5	no	no
	0.195	0.090	234.547	54.388	13	no	no
	0.188	0.592	235.049	54.890	10	no	no
	0.186	0.674	235.132	54.973	12	no	no
	0.174	1.485	235.943	55.784	18	no	no
	0.146	3.342	237.800	57.641	11	no	no
	0.144	3.489	237.947	57.788	19	no	no
	0.142	3.592	238.050	57.891	12	no	no
	0.141	3.661	238.119	57.960	20	no	no
	0.140	3.727	238.185	58.026	18	no	no
	0.108	5.753	240.211	60.052	18	no	no
	0.098	6.377	240.835	60.676	17	no	no
	0.094	6.577	241.035	60.876	16	no	no
	0.028	10.446	244.904	64.745	18	no	no
	0.014	11.227	245.685	65.526	19	no	no
	0.006	11.684	246.141	65.982	17	no	no
	0.529	-33.412	201.046	-	3	yes	no
	0.477	-27.681	206.777	5.731	1	no	yes
N.min	0.415	-21.463	212.995	11.950	5	no	no
	0.347	-15.462	218.996	17.950	7	no	no
	0.317	-12.947	221.510	20.465	8	no	no
	0.221	-5.753	228.705	27.659	3	no	no
	0.186	-3.321	231.137	30.091	3	no	no
	0.137	-0.116	234.341	33.296	2	no	no
	0.137	-0.072	234.386	33.340	10	no	no
	0.093	2.671	237.129	36.083	8	no	no
	0.014	7.264	241.722	40.676	10	no	no
	0.005	7.748	242.206	41.160	8	no	no

0.001	7.961	242.419	41.373	9 no	no
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1 Running head: Restoring grassland multifunctionality

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3 **Evaluating long-term success in grassland restoration - an ecosystem multifunctionality approach**

4

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20

## 21 ABSTRACT

22 It is generally assumed that restoring biodiversity will enhance diversity and ecosystem functioning.  
23 However, to date, it has rarely been evaluated whether and how restoration efforts manage to rebuild  
24 biodiversity and multiple ecosystem functions (ecosystem multifunctionality) simultaneously. Here, we  
25 quantified how three restoration methods of increasing intervention intensity (harvest only < topsoil  
26 removal < topsoil removal + propagule addition) affected grassland ecosystem multifunctionality 22 years  
27 after the restoration event. We compared restored with intensively managed and targeted semi-natural  
28 grasslands based on 13 biotic and abiotic, above- and belowground properties. We found that all three  
29 restoration methods improved ecosystem multifunctionality compared to intensively managed grasslands  
30 and developed towards the targeted semi-natural grasslands. However, whereas higher levels of  
31 intervention intensity reached ecosystem multifunctionality of targeted semi-natural grasslands after 22  
32 years, lower intervention missed this target. Moreover, we found that topsoil removal with and without  
33 seed addition accelerated the recovery of biotic and aboveground properties, and we found no negative  
34 long-term effects on abiotic or belowground properties despite removing the top layer of the soil. We also  
35 evaluated which ecosystem properties were the best indicators for restoration success in terms of accuracy  
36 and cost efficiency. ~~The most accurate single property was plant species richness (53-%~~Overall, we  
37 demonstrated that low-cost measures explained relatively more variation of ecosystem multifunctionality  
38 explained) compared to high-cost measures. Plant species richness was the most accurate individual  
39 property in describing ecosystem multifunctionality, as it accounted for 53% of ecosystem  
40 multifunctionality at only 4% of the costs of our comprehensive multifunctionality approach. This Plant  
41 species richness is the property that typically is used in restoration monitoring ~~schemes~~ by conservation  
42 agencies. Vegetation structure, soil carbon storage and water holding capacity together explained 70-% of  
43 ecosystem multifunctionality at only twice the costs (8-%) of plant species richness, which is, in our  
44 opinion, worth considering in future restoration monitoring projects. Hence, our findings provide a

- 45 guideline for land managers how they could obtain an accurate estimate of aboveground-belowground  
46 ecosystem multifunctionality and restoration success in a highly cost-efficient way.

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48 **KEYWORDS**

49 Above-belowground properties, biotic-abiotic properties, long-term monitoring, cost efficiency, semi-  
50 natural grasslands, nature management techniques

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## 54 INTRODUCTION

55 Semi-natural grasslands are an integral part of the Western and Central European cultural landscape  
56 and result from traditional farming over centuries (Van Dijk 1991, Poschlod and Wallis De Vries 2002,  
57 Bobbink et al. 2011). These grasslands are among the most species-rich ecosystems and represent  
58 biodiversity hotspots that harbor specialized plant and animal communities with high numbers of rare and  
59 endangered species (Dengler et al. 2014). Semi-natural grasslands are characterized by low productivity  
60 and high structural heterogeneity with a diverse mosaic of ecological niches and microhabitats (Diacon-  
61 Bolli et al. 2012). They are found on oligo- to mesotrophic soils that are sensitive to eutrophication  
62 (Bobbink et al. 1998, Bobbink et al. 2011). Maintaining these grasslands requires low-input agricultural  
63 management to prevent accumulation of soil nutrients as well as and to impede reforestation (Poschlod  
64 and Wallis De Vries 2002). Semi-natural grasslands also provide numerous ecosystem functions and  
65 services. For example, by supporting high abundance and diversity of invertebrates, they may provide  
66 pollination and pest control services for surrounding agricultural areas (Byrne and delBarco-Trillo 2019).  
67 They can be important for soil and water protection against pollution (Peciña et al. 2019) and may act as  
68 hydrological buffers (Gimmi et al. 2011). Semi-natural grasslands were also found to mitigate droughts or  
69 floods and reduce carbon dioxide emissions due to their enhanced carbon storage capacities compared to  
70 arable land (Peciña et al. 2019). However, semi-natural grasslands are under multiple pressures.

71 Since the late 19<sup>th</sup> century, semi-natural grasslands have been drastically reduced in their extent and  
72 connectivity (Wallis De Vries et al. 2002) as their low productivity made them prone prime for conversion  
73 into more profitable high-input agricultural land, or on the contrary, for complete abandonment (Quétier  
74 et al. 2007, Török and Dengler 2018). In Switzerland, for example, 9995% of semi-natural grasslands  
75 were lost by during the beginning course of the 20<sup>th</sup> past century (Gimmi Lachat et al. 2011 2010). As a  
76 consequence, efforts to protect the remaining areas were greatly enhanced, but their ongoing loss could  
77 not be stopped (Gattlen et al. 2017). Today, these grasslands represent species-rich islands in a landscape  
78 dominated by intensive agriculture. It became evident that sustainable conservation has to integrate

79 restoration to actively extend and re-connect these fragmented remnants and to re-enable metapopulation  
80 dynamics and genetic exchange of biotic communities among the isolated patches ([Gimmi Lachat et al.](#)  
81 [2014](#)[2010](#)). Hence, converting adjacent intensively managed grasslands into semi-natural grasslands  
82 became the focus of restoration projects (Kiehl et al. 2010, Kardol and Wardle 2010). Intensively  
83 managed grassland generally represents a highly eutrophic and homogenized habitat, dominated by only a  
84 few competitive generalist species while habitat specialists are scarce (De Deyn et al. 2003, Kardol and  
85 Wardle 2010). ~~When restoring~~ Thus, successful conversion of such sites, the question is how to overcome  
86 the intensively managed grasslands into nutrient poor and species rich communities relies on overcoming  
87 their agricultural legacy, which is preserved in the overabundant soil, ~~but is also expressed in nutrients as~~  
88 well as poor species, ~~or~~ and propagule availability (Bakker and Berendse 1999, [McLauchlan 2006](#),  
89 [Brinkman et al. 2017](#)).

90 Various restoration strategies have been tested over the past decades. They affect above- and  
91 belowground, biotic and abiotic properties differently depending on their intervention intensity (e.g.,  
92 [Marrs et al. 1998](#), [Kiehl and Pfadenhauer 2007](#), [Kardol et al. 2008](#), [Frouz et al. 2009](#), [Suding 2011](#)). Mild  
93 interventions, such as cessation of fertilization and multiple plant biomass harvests, have been rarely  
94 successful in lowering the high availability of soil nutrients and re-establishing targeted plant  
95 communities. Conversely, more severe interventions, such as topsoil removal with and without seed  
96 addition, were found to be highly successful in restoring oligotrophic grassland ecosystems (see review in  
97 [Kiehl et al. 2010](#)). However, removal of the nutrient-rich topsoil, typically a layer of 20 to 50 cm,  
98 substantially affects belowground biota and abiotic soil conditions, and is therefore viewed rather  
99 critically (see [Geissen et al. 2013](#)).

100 Yet, to evaluate restoration success, usually only a few aboveground biotic properties, typically plant  
101 community composition, sometimes the presence/absence of selected insect species or taxa (e.g.,  
102 grasshoppers, beetles) are used (e.g., [Patzelt et al. 2001](#), [Kardol et al. 2005](#), [Kiehl & Wagner 2006](#), [Kiehl](#)  
103 [& Pfadenhauer 2007](#), [Klimkowska et al. 2007](#), [Verhagen et al. 2008](#), [Neff et al. 2020](#)). More exhaustive  
104 evaluations are lacking and only few studies assessed belowground community composition and soil



105 properties to determine restoration success (e.g., Kardol et al. 2009b, Frouz et al. 2009, Wubs et al. 2016,  
106 Resch et al. 2019). As restoration methods should enhance and re-establish biodiversity and ecosystem  
107 functioning both above- and belowground, success should be evaluated based on a comprehensive  
108 assessment of biotic and abiotic, above- and belowground properties, such as taxonomic and structural  
109 diversity, and soil functions and processes (Havlicek 2012, Greiner et al. 2018, Gann et al. 2019). Thus, a  
110 multifunctional approach could be highly suitable to validate successful re-establishment of the targeted  
111 species or ecosystem properties and functions over time (see review in Manning et al. 2018, but also see  
112 Meyer et al. 2015, Costantini et al. 2016).

113 In the present study, we assessed how three restoration methods of different intervention intensities,  
114 i.e., *Harvest only* (biomass removal), *Topsoil* (topsoil removal), and *Topsoil+Propagules* (topsoil  
115 removal plus addition of target plant species), succeeded in restoring ecosystem multifunctionality. We  
116 included 13 properties, namely aboveground arthropod richness, belowground faunal and microbial taxon  
117 richness, plant species richness, vegetation structure, above- and belowground functional diversity and  
118 food-web complexity, soil heterogeneity, soil carbon (C) storage, water holding capacity, nutrient  
119 retention capacity and soil net nitrogen (N) mineralization in our ecosystem multifunctionality metric.  
120 Restoration success was compared to both intensively managed grasslands (*Initial* state) and ancient  
121 semi-natural grasslands (*Target* state). The evaluation took place 22 years after restoration methods were  
122 implemented. To our knowledge, this is the first long-term study that combined aboveground and  
123 belowground ecosystem multifunctionality to evaluate the recovery of targeted ecosystem properties after  
124 grassland restoration. As measuring and assessing various ecosystem properties is cost-intensive, we  
125 conducted a “cost-benefit analysis” to determine which and how many ecosystem properties are needed to  
126 define ecosystem multifunctionality in restored grasslands as ~~aeccurate~~accurately as possible, but at  
127 affordable costs (effort, infrastructure, expert knowledge). This analysis should help environmental  
128 agencies that supervise restoration programs in their decision-making process. Overall, we aimed to  
129 answer the following research questions:

130 1. Does multifunctionality differ between intensively managed and semi-natural grasslands?

- 131 2. Are the different restoration methods successful in restoring grassland multifunctionality?
- 132 3. How much do biotic and abiotic, above- and belowground properties contribute to ecosystem
- 133 multifunctionality?
- 134 4. Which ecosystem properties are the best indicators to accurately describe multifunctionality in
- 135 restored grasslands in a cost-effective way?

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## 138 MATERIAL AND METHODS

### 139 Study area

140 The study was conducted in the Canton of Zurich, Switzerland, in and around two nature reserves  
141 *Eigentäl* and *Altläufe der Glatt* (47°27' to 47°29' N, 8°37' to 8°32' E, 417 to 572 m a.s.l.). ~~Mean annual~~  
142 ~~temperature~~ All studied grasslands were located with a radius of approximately 4 km. Average monthly  
143 temperatures range from 0.7 ± 2.0 °C (January) to 19.0 ± 1.5 °C (July), and monthly precipitation are 9.68  
144 ± 0.56 °C and 992 ± 167 range from 60 ± 42 mm, respectively (1987 (January) to 118 ± 46 mm (July  
145 [maxima]; 1989-2017; MeteSchweiz 2018). The two nature reserves contain small-scale grassland  
146 mosaics differing in their nutrient and water availability. In our study, we focused on semi-dry and semi-  
147 wet oligo- to mesotrophic grasslands characterized by high plant species richness and groundwater  
148 fluctuations throughout the year (Delarze et al. 2015, see also Resch et al. 2019).

149

### 150 Experimental design and sampling

151 A large-scale restoration experiment to expand and reconnect isolated remnants of species-rich  
152 grasslands was initiated in the nature reserve *Eigentäl* in 1990. Twenty hectares of adjacent intensive  
153 grasslands were chosen for restoration. In 1995, three restoration methods of increasing intervention  
154 intensities were implemented. The goal of all three methods was to lower the availability of soil nutrients  
155 and hence, facilitate ecosystem development towards the targeted nutrient-poor grasslands. These  
156 methods were: *Harvest only* (hay harvest twice a year), *Topsoil* (removal of the nutrient-rich topsoil), and  
157 *Topsoil+Propagules* (~~Topsoil~~ topsoil removal combined with the application of hay from target  
158 vegetation; further details see Resch et al. 2019). Plant biomass harvest (once a year in late summer/early  
159 autumn) commenced in *Topsoil* and *Topsoil+Propagules* five years after the soils were removed- and is  
160 still ongoing today (see Appendix 1: Table S1). We measured restoration success by comparing the three  
161 restoration methods with intensively managed (*Initial*) and semi-natural grasslands (*Target*) 22 years after  
162 restoration. *Initial* grassland sites share the same agricultural history as the restored sites: mowing and

163 subsequent fertilizing (manure) up to five times a year, as well as different tillage regimes (see Appendix  
164 S1: Table S1; Resch et al. 2019). Target sites were the sites from which hay for seeding the  
165 Topsoil+Propagules sites was collected. Soil conditions (i.e., soil types, soil texture) were comparable to  
166 those found in the restored grasslands (see Appendix S1: Table S1; Resch et al. 2019). Additionally,  
167 Target sites were selected to represent a variety of semi-natural grasslands, including semi-dry to semi-  
168 wet conditions. In *Target* grasslands, biomass is harvested once a year in late summer or early autumn.  
169 Eleven 5 m x 5 m (25 m<sup>2</sup>) plots were randomly established in each of the five treatments (in total 55 plots;  
170 for a detailed map see Neff et al. 2020). An additional 2 m x 2 m (4 m<sup>2</sup>) subplot was randomly established  
171 at least 2 m away from each 25 m<sup>2</sup> plot for destructive sampling (see details below). Data sampling took  
172 place between June and September 2017.

173

#### 174 *Vegetation properties*

175 All plant species were identified within the 25 m<sup>2</sup> plots (nomenclature: Lauber and Wagner 1996) in  
176 mid-June 2017 (in total 250 species). Vegetation structure and plant biomass were assessed diagonally on  
177 a transect of 2 m x 10 cm within the 25 m<sup>2</sup> plot in early July 2017. We measured the maximum and mean  
178 height of the vegetation at the start, middle and end of the transect and calculated the standard deviation  
179 of these measures to describe vegetation structural heterogeneity (Schuldt et al. 2019). Thereafter,  
180 biomass was clipped on the entire transect to 1 cm height, sorted into five functional groups (graminoids,  
181 forbs, legumes, litter, and woody species; Data repository: <https://doi.org/10.16904/envidat.169>), dried at  
182 60 °C for 48 h, and weighed (Meyer et al. 2015).

183

#### 184 *Aboveground arthropods*

185 Aboveground arthropods were sampled at two locations in each 25 m<sup>2</sup> plot in early July 2017 (see also  
186 Neff et al. 2020). Briefly, two cylindrical baskets (50 cm diameter, 67 cm height; woven fabric) were  
187 thrown simultaneously from outside the plot into two opposite corners. A closable mosquito mesh sleeve  
188 was mounted to the top of the baskets and an integrated metal ring at the bottom was fixed to the ground

189 with metal stakes to assure that insects could not escape. A suction sampler (Vortis, Burkhard  
190 Manufacturing Co. Ltd., Hertfordshire, England) was then inserted into one of the baskets through the  
191 opening of the sleeve and the plot was "vacuumed" twice for 105 seconds with a 30 seconds break. The  
192 collected animals were immediately transferred into 70-% ethanol. Arthropods were sorted and assigned  
193 to 23 taxonomic groups (Appendix S1: Table S3; [Data repository: https://doi.org/10.16904/envidat.169](https://doi.org/10.16904/envidat.169)).  
194 Holometabolic larvae were lumped into one category while hemimetabolic larvae were grouped  
195 separately from adults in the respective taxonomic rank. We used mean values of individuals per plot for  
196 total abundance. Aboveground arthropod richness was defined by the number of different taxa to lowest  
197 taxonomic level (in total 23 taxa). All taxa were assigned to one of five trophic levels: 1) primary  
198 producers, 2) primary consumers, 3) secondary consumers, 4) tertiary consumers, and 5) quaternary  
199 consumers (Appendix S1: Table S3).

200

#### 201 *Belowground fauna*

202 Sampling of all belowground fauna took place in mid-July 2017. Earthworms were sampled in two 30  
203 cm x 30 cm x 20 cm soil monoliths at two opposite corners of the 25 m<sup>2</sup> plot (opposite to aboveground  
204 arthropod sampling). The excavated soil monolith was broken by hand, all earthworms collected and  
205 immediately transferred in a 4-% formaldehyde solution. Thereafter, earthworm individuals were  
206 identified to species level (in total 10 taxa; Christian and Zicsi 1999) and species assigned to three  
207 functional groups (Appendix 1: Table S3; [Data repository: https://doi.org/10.16904/envidat.169](https://doi.org/10.16904/envidat.169); Bouché  
208 1977).

209 To assess soil arthropod communities, we randomly collected one undisturbed soil core (5 cm  
210 diameter, 12 cm depth) in each 4 m<sup>2</sup> subplot with a slide hammer corer lined with a plastic sleeve (AMS  
211 Samplers, American Falls, Idaho, USA). Soil arthropods were extracted using Berlese-Tullgren funnels (3  
212 mm mesh), starting the day of sampling and lasting 14 days. Individuals were stored in 70-% ethanol. Soil  
213 arthropods were assigned to 41 taxonomic groups and 4 feeding types (Appendix 1: Table S3); [Data  
214 repository: https://doi.org/10.16904/envidat.169](https://doi.org/10.16904/envidat.169). Holometabolic and hemimetabolic larvae were treated

215 as previously described for aboveground arthropods. Belowground arthropod richness refers to the 41  
216 taxonomic groups.

217 For soil nematode sampling, we randomly collected eight soil cores of 2.2 cm diameter (Giddings  
218 Machine Company, Windsor, CO, USA) within each 4 m<sup>2</sup> subplot to a depth of 12 cm. The eight cores  
219 were combined, gently homogenized, placed in coolers, kept at 4 °C and transported to the laboratory at  
220 NIOO in Wageningen (NL) within one week after collection. Free-living nematodes were extracted from  
221 200 g of fresh soil using Oostenbrink elutriator (Oostenbrink 1960) and prepared for morphological  
222 identification and quantification as described by Resch et al. (2019). Nematodes were identified to family  
223 level (39 taxa) according to Bongers (1988), assigned to 17 functional groups, 5 feeding types and 5  
224 colonizer-persister (C-P) classes (Appendix 1: Table S3; [Data repository:](https://doi.org/10.16904/envdat.169)  
225 <https://doi.org/10.16904/envdat.169>; Yeates et al. 1993, Bongers 1990, Resch et al. 2019).

226 We randomly collected two more soil cores (2.2 cm diameter x 12 cm depth) within each 4 m<sup>2</sup> subplot  
227 to determine soil microbial communities. Again, the soil cores were combined, homogenized, placed in  
228 coolers and transported to the laboratory at WSL in Birmensdorf (Switzerland) where the metagenomic  
229 DNA was extracted from 8 g sieved soil (2 mm) using the DNeasy PowerMax Soil Kit (Quiagen, Hilden,  
230 NRW, GER) according to the manufacturer's instructions. PCR amplification of the V3-V4 region of the  
231 prokaryotic small-subunit (16S) and the ribosomal internal transcribed spacer region (ITS2) of eukaryotes  
232 was performed with 1 ng of template DNA utilizing PCR primers and conditions as previously described  
233 (Frey et al., 2016). PCRs were run in triplicates and pooled. The pooled amplicons were sent to the  
234 Genome Quebec Innovation Centre (Montreal, QC, Canada) for barcoding using the Fluidigm Access  
235 Array technology (Fluidigm) and paired-end sequencing on the Illumina MiSeq v3 platform (Illumina  
236 Inc., San Diego, CA, USA). Quality filtering, clustering into operational taxonomic units (OTUs) and  
237 taxonomic assignment were performed as described by Frey et al. (2016) and Adamczyk et al. (2019). We  
238 used a customised pipeline largely based on UPARSE (Edgar 2013) implemented in USEARCH v. 9.2  
239 (Edgar 2010). After discarding singletons of dereplicated sequences, clustering into OTUs with 97%  
240 sequence similarity was performed (Edgar 2013). Quality-filtered reads were mapped on the filtered set of

241 centroid sequences. Taxonomic classification of prokaryotic and fungal sequences was conducted  
242 querying against most recent versions of SILVA (v.132, Quast et al. 2013) and UNITE (v.8, Nilsson et al.  
243 2018). Only taxonomic assignments with confidence rankings equal or higher than 0.8 were accepted  
244 (assignments below 0.8 set to unclassified). Prokaryotic OTUs assigned to mitochondria or chloroplasts  
245 as well as eukaryotic OTUs assigned other than fungi were removed prior to data analysis. In addition,  
246 prokaryotic and fungal datasets were filtered to discard singletons and doubletons. Thereafter, OTU  
247 abundance matrices were rarefied to the lowest number of sequences per community, to normalize the  
248 total number of reads and achieve parity between samples (Prokaryota: 29,843 reads; Fungi: 26,690  
249 reads). Finally, prokaryotic and fungal observed richness (number of OTUs) were estimated (Prokaryota:  
250 14,010 OTUs; Fungi: 5,813 OTUs). For prokaryotes, we distinguished five and for fungi six functional  
251 types based on lowest taxonomic resolution (Appendix 1: Table S3; Data repository:  
252 <https://doi.org/10.16904/envidat.169>; Nguyen et al. 2016, Tedersoo et al. 2014). Belowground taxon  
253 richness was defined by the total number of earthworm, arthropod, nematode, fungi, and prokaryote taxa  
254 assigned to lowest taxonomic level. Finally, all belowground taxa were assigned to the same five trophic  
255 levels as the aboveground arthropods (Appendix 1: Table S3; Data repository:  
256 <https://doi.org/10.16904/envidat.169>).

257

### 258 *Soil chemical and physical properties, soil nitrogen mineralization*

259 We randomly collected three 5 cm diameter x 12 cm depth soil samples in each 4 m<sup>2</sup> subplot with a  
260 slide hammer corer (AMS Samplers, American Falls, Idaho, USA), pooled them and then made two  
261 subsamples. One was field-fresh and stored at 3 °C until analysis, the other was dried for 48 h at 60 °C  
262 and passed through a 4 mm mesh. From the dried sample, we measured soil pH potentiometrically in 0.01  
263 M CaCl<sub>2</sub> (soil:solution ratio=1:2; 30 minutes equilibration time). Total and organic carbon content were  
264 measured on fine-ground samples (≤ 0.5 mm) by dry combustion using a CN analyseranalyzer NC 2500  
265 (CE Instruments, Wigan, United Kingdom). Inorganic carbon of samples with a pH > 6.5 was removed  
266 with acid vapourvapor prior to analysis of organic carbon (Walthert et al. 2010). We calculated total soil



267 carbon (C) storage after correcting its content for soil depth, stone content and density of fine earth (see  
268 below). Exchangeable cations were determined on another 5 g dry soil sample with 50 mL unbuffered 1  
269 M  $\text{NH}_4\text{Cl}$  solution (soil:solution ratio=1:10, end-over-end shaker for 1.5 hours) and measured by an ICP-  
270 OES (Optima 7300 DV, Perkin-Elmer, Waltham, Massachusetts, USA). Thereafter, cation exchange  
271 capacity (CEC) was calculated as the sum of exchangeable cations and protons (and expressed as mmol,  
272 per 1 kg soil) and used to describe nutrient retention capacity in our plots. Concentrations of  
273 exchangeable protons were calculated as the difference between total and Al-induced exchangeable  
274 acidity as determined by the KCl-method (Thomas 1982).

275 Ammonium ( $\text{NH}_4^+$ ) and nitrate ( $\text{NO}_3^-$ ) were extracted from a 20 g fresh subsample with 80 mL 1M  
276 KCl for 1.5 hours on an end-over-end shaker and filtered through ashless folded filter paper (DF 5895  
277 150, ALBET LabScience, Hahnemühle FineArt GmbH, Dassel, Germany).  $\text{NH}_4^+$  concentrations were  
278 determined colorimetrically by automated flow injection analysis (FIAS 300, Perkin-Elmer, Waltham,  
279 Massachusetts, USA).  $\text{NO}_3^-$  concentrations were measured colorimetrically according to Norman and  
280 Stucki (1981). Soil Potential soil net nitrogen (N) mineralization was assessed during an 8-week  
281 incubation period under controlled moisture (60-% of field capacity, see below), temperature (20 °C) and  
282 light conditions (dark) in the laboratory. We weighed duplicate samples of fresh soil equivalent to 8 g dry  
283 soil (24 h at 104 °C) into 50 mL Falcon tubes. Soil samples were extracted for  $\text{NH}_4^+$  and  $\text{NO}_3^-$  at the  
284 beginning and after eight weeks as described above. Soil net N mineralization was calculated as the  
285 difference between the inorganic nitrogen ( $\text{NH}_4^+$  and  $\text{NO}_3^-$ ) before and after the incubation (Hart et al.  
286 1994), corrected for the total incubation time and represented per day values expressed as mg N  $\text{kg}^{-1}$  soil  
287  $\text{d}^{-1}$ .

288 To assess soil physical properties, we randomly collected one undisturbed soil core per 4 m<sup>2</sup> subplot (5  
289 cm diameter, 12 cm depth) in a steel cylinder that fit into the slide hammer (AMS Samplers, American  
290 Falls, Idaho, USA). The cylinder was capped in the field to avoid disturbance. We then measured field  
291 capacity in the laboratory. For this purpose, the cylinder and soil therein were saturated in a water bath  
292 and drained on a sand/silt-bed with a suction corresponding to 60 cm hydrostatic head. The moist soil was

293 dried at 105 °C to constant weight. Field capacity was calculated by dividing the mass of water by the  
294 total mass of wet soil contained at 60 cm hydrostatic head and used to describe water holding capacity.  
295 Thereafter, samples were passed through a 4 mm mesh. Fine-earth and skeleton fractions were weighed  
296 separately to assess bulk soil density (fine-earth plus skeleton), density of fine earth, and proportion of  
297 skeleton. Particle density was determined with the pycnometer method (Blake and Hartge 1986), and total  
298 porosity and proportion of fine pores were calculated (Danielson and Sutherland 1986). Clay, silt, and  
299 sand contents were quantified with the sediment method (Gee and Bauder 1986).

300 Surface and soil temperature (12 cm depth, water-resistant digital pocket thermometer; IP65, H-B  
301 Instrument, Trappe, Pennsylvania, USA) as well as volumetric soil moisture content (12 cm depth, time  
302 domain reflectometry; Field-Scout TDR 300, Spectrum Technologies, Aurora, Illinois, USA) were  
303 measured at five random locations within the 4 m<sup>2</sup> subplots every month from June to September. We  
304 calculated the standard deviation of each temperature and moisture measure over four months to describe  
305 seasonal variations. Slope inclination was determined at plot-level via GPS measurements (GPS 1200,  
306 Leica Geosystem, Heerbrugg, Switzerland) and categorized into slope gradient classes according to FAO  
307 standards (1990). Thickness of the topsoil horizon (equivalent to Ah or Aa horizon) was determined at  
308 one soil monolith (30 x 30 x 30 cm<sup>3</sup>) per 4 m<sup>2</sup> subplot in cm and rounded to next integer.

### 310 **Ecosystem properties and multifunctionality (Research question 1 - 3)**

311 In total, we used 13 ecosystem properties that represented four major ecosystem attributes, namely  
312 biodiversity (plant species richness, aboveground arthropod richness, belowground taxon richness),  
313 structural diversity (vegetation structure, soil heterogeneity, above- and belowground functional diversity,  
314 above- and belowground food-web complexity), soil functions (soil C storage, water holding capacity,  
315 nutrient retention capacity), and soil processes (soil net N mineralization, Appendix S1: Table S2).

316 Selection of the 13 properties was based on suggested international principles and standards on  
317 ecological restoration of the Society for Ecological Restoration (SER), and thus, included standardized  
318 indicators of restoration success (McDonald et al. 2016, Gann et al. 2019). We used individual properties

319 that were shown to increase ecosystem functioning and invasion resistance, i.e. ecosystem stability, two  
320 major goals in ecological restoration (details on rationales see Appendix S1: Table S2). Thus, we assumed  
321 that restoring these properties and increasing their values is mandatory to meet the primary objective of a  
322 restoration project, namely restoring high levels of ecosystem functioning and strengthening of ecosystem  
323 stability (Gann et al. 2019).

324 Soil heterogeneity was calculated based on 20 soil properties (soil pH, organic C content,  $\text{NO}_3^-$  and  
325  $\text{NH}_4^+$  concentrations, concentrations of exchangeable cations [Ca, K, Mg, Na, Mn], bulk density, texture,  
326 proportion of skeleton and fine pores, thickness of topsoil horizon, slope class, seasonal variation in  
327 surface and soil temperature as well as ~~and~~ soil moisture). We z-transformed the 20 properties and then  
328 calculated multivariate Euclidean distances for all pairwise between- and within-group combinations for  
329 each treatment. We then used differences in group homogeneities based on group dispersion variances,  
330 i.e., distance of single plot to its corresponding group centroid to obtain soil heterogeneity (betadisper  
331 function of the vegan package, Oksanen et al. 2019, Alsterberg et al. 2017).

332 We calculated functional diversity for plants using shoot biomass of plant functional groups and for  
333 faunal and microbial communities by assigning all taxonomic levels to functional groups. In total, 46  
334 functional groups were defined based on lowest taxonomic resolution for each biotic community (see  
335 Appendix S1: Table S3; Data repository: <https://doi.org/10.16904/envidat.169>). We calculated  
336 multivariate Euclidean distances on z-transformed functional groups (relative abundances) for all pairwise  
337 combinations of treatments and defined functional diversity above- and belowground using differences in  
338 group homogeneities based on group dispersion variances.

339 Food-web complexity for faunal and microbial functional groups was based on life-history traits. For  
340 each functional group we assigned: 1) feeding type, 2) trophic level, and 3) sensitivity to stress and/or  
341 disturbance and recolonization ability (SD level), based on well-established bioindicative methods  
342 (Bongers 1990, Parisi et al. 2005). For this study, we extended these methods to also address aboveground  
343 arthropods, earthworms, prokaryotes and fungi. The ecomorphological index concept of soil  
344 microarthropods (Parisi et al. 2005) was adopted for aboveground arthropods. For earthworms, we ranked

345 the sensitivity according to the r- and K-strategy (Römbke et al. 2005): sensitivity was ranked lowest for  
346 epigeic species (one), followed by endogeic (five) and highest for anecic species (nine). The prokaryotic  
347 community was classified based on copiotrophic-oligotrophic characteristic (for a review see Ho et al.  
348 2017): copiotrophic and undefined bacteria received lowest (one), oligotrophic bacteria highest (nine)  
349 rank. The fungal community was ranked based on the copiotrophic-oligotrophic concept only if known  
350 (for a review also see Ho et al. 2017): copiotrophic saprotrophs, pathotrophs (excluding animal) and  
351 undefined fungi were ranked lowest (one); symbiotrophs, biotrophs, animal pathogens and oligotrophic  
352 saprotrophs received highest ranking (nine); saprotrophs (excluding oligo- or copiotrophs) and others  
353 received an intermediate ranking (five). We then defined the trait-based factor as follows: 1) the digit  
354 before the comma was defined by the feeding type and trophic level (ranging from one to five), 2) the  
355 digit after the comma corresponded to stress/disturbance sensitivity and recolonization ability (ranging  
356 from 1 to 9). Higher values of the trait-based factor indicated higher food-web complexity (see Appendix  
357 S1: Table S3). We calculated weighted abundance per functional group by multiplying relative abundance  
358 per functional group with its corresponding trait-based factor. Thereafter, food-web complexity was  
359 defined as the standardized community weighted mean for the above- and belowground communities  
360 separately.

361 We calculated five different multifunctionality measures using the averaging approach (Hooper and  
362 Vitousek 1998). Ecosystem multifunctionality included all 13 ecosystem properties. We also calculated  
363 aboveground multifunctionality (plant richness and vegetation structure, aboveground arthropod richness,  
364 functional diversity, food-web complexity), belowground multifunctionality (belowground taxon  
365 richness, functional diversity, food-web complexity, soil heterogeneity, soil C storage, water holding  
366 capacity, nutrient retention capacity, soil net N mineralization), biotic multifunctionality (aboveground  
367 arthropod richness, belowground taxon richness, plant richness, vegetation structure, above- and  
368 belowground functional diversity, food-web complexity), and abiotic multifunctionality (soil  
369 heterogeneity, soil C storage, water holding capacity, nutrient retention capacity and soil net N  
370 mineralization). We did not use the threshold approach (Gamfeldt et al. 2008) as we were not interested in

371 assessing the number of properties performing above a certain threshold, but comparing levels of  
372 multifunctionality in restored systems with those of our targeted semi-natural grasslands. The availability  
373 of a real-world target rather than any arbitrarily chosen threshold justifies the use of the averaging  
374 approach (Byrnes et al. 2014, Gamfeldt and Roger 2017).

375 All five multifunctionality measures were calculated after standardizing each ecosystem property  
376 (Delgado-Baquerizo et al. 2019). For belowground taxon richness, functional diversity and food-web  
377 complexity, standardization was applied within each faunal and microbial group before averaging to  
378 counteract overrepresentation of microbial taxa. All ecosystem properties were weighted equally for  
379 multifunctionality calculations. Potential collinearity between all pairs of individual ecosystem properties  
380 was assessed using Pearson correlations to ensure that no highly correlated variables ( $r > |0.7|$ ) were  
381 included, and specifically, that no opposing performance (i.e., strong negative correlations) among the  
382 individual ecosystem properties was present (Dormann et al. 2013; Appendix S1: Fig. S1).

383 Treatment differences (explanatory variable) in multifunctionality measures and the 13 ecosystem  
384 properties (dependent variables) were assessed using beta regression on standardized values (Ferrari and  
385 Cribari-Neto 2004). As beta regression models do only allow for values between 0 and 1 but not both  
386 extremes (relevant only for individual properties), we transformed our data accordingly (Smithson and  
387 Verkuilen 2006). Significant differences between treatments were identified using likelihood ratio tests  
388 (lrtest function of the lmtest R package, Zeileis and Hothorn 2002). Post-hoc pairwise comparisons were  
389 adjusted for multiple testing using the Bonferroni correction-method in combination with the false  
390 discovery rate approach (cld function of the multcomp R package, Hothorn et al. 2008).

391

#### 392 **Most cost-effective ways to describe multifunctionality (Research question 4)**

393 We assessed which ecosystem property or which combination of ecosystem properties explained the  
394 highest amount of ecosystem multifunctionality at the lowest possible costs. For this purpose we  
395 calculated 8190 alternative models using linear regression as implemented in an exhaustive search  
396 approach (regsubsets function of the leaps R package, Lumley 2020). These models contained all possible

397 combinations of 13 ecosystem properties, hence we obtained a series of models that included 12  
398 properties (all in EMF.12), a series of models that included 11 properties (EMF.11) and so forth  
399 (Appendix S2). In a first step, we compared how much variation of ecosystem multifunctionality each of  
400 these alternative models explained, using the Bayesian information criterion ( $\Delta\text{BIC} > 2$ , Table 1,  
401 Kassambra 2018). We then selected the best models with 12, 11, 10, etc. variables.

402 We estimated costs to each ecosystem property by approximating costs for effort, infrastructure and  
403 expert knowledge that are necessary to collect each of our 13 ecosystem properties (Appendix S1: Table  
404 S4-S7). Costs were classified into coarse categories, represented by pluses (+) and where higher costs  
405 equated to more +. We then assigned these costs to each alternative model described above by summing  
406 the costs of all ecosystem properties included in the respective models (Appendix S2). We selected the  
407 models with 12, 11, 10, etc. variables with the lowest costs (Table 2). Thus, we were able to evaluate how  
408 much an alternative model explained and how much it would roughly cost to collect the data contained in  
409 it.

410 All statistical analyses and graphical outputs were performed in R version 3.6.0 (R Core Team 2019).

411 A full list of all packages ~~and functions~~ used can be found in Appendix S1: Table S5.

412

413 S8.

## 414 RESULTS

415 Ecosystem multifunctionality was higher in all three restored treatments than in *Initial*, but only  
416 *Topsoil* and *Topsoil+Propagules* reached *Target* levels (Fig. 1A). Treatment differences in ecosystem  
417 multifunctionality were mainly associated to differences in aboveground (Fig. 1B) and biotic (Fig. 1D)  
418 multifunctionality, with the two topsoil removal treatments reaching higher levels than *Harvest only*.  
419 Interestingly, the two topsoil removal treatments resulted in even higher aboveground and biotic  
420 multifunctionality than *Target* (Fig. 1B, 1D). Belowground (Fig. 1C) as well as abiotic (Fig. 1E)  
421 multifunctionality did not differ among the three restoration methods, but were significantly higher than  
422 in *Initial* and significantly lower than in *Target* (exception: belowground multifunctionality in *Topsoil*).  
423 Aboveground, belowground, biotic and abiotic multifunctionality were positively correlated with  
424 ecosystem multifunctionality (Appendix S1: Figs. S2A-D).

425 Six out of the 13 ecosystem properties contributed significantly to both explaining ecosystem  
426 multifunctionality and discriminating among the five treatments: Plant species richness, vegetation  
427 structure, belowground functional diversity, aboveground food-web complexity, soil C storage, and soil  
428 net N mineralization (Fig. 2, Table 1, Appendix S1: Fig. S3).

429 Including more variables into our model explained more variation in ecosystem multifunctionality.  
430 Yet, naturally, this also increases the costs of collecting the data. The model including all 13 ecosystem  
431 properties equals 100-% ecosystem multifunctionality and would cost the most (77+). Interestingly, we  
432 found negative relationships between explained variation in ecosystem multifunctionality and costs for  
433 each group of models that included the same number of variables (Fig. 23). This means, low-cost  
434 measures explained relatively more variation of ecosystem multifunctionality compared to high-cost  
435 measures within a model cluster (Fig. 23, Table 1 and 2). Models with two or more properties included  
436 were able to explain  $\geq 70$ -% of ecosystem multifunctionality, however, the costs were 10+ and up (Table  
437 2). The “cheapest” model was based on vegetation structure (1+), but explained only 47.7-% of ecosystem  
438 multifunctionality (Table 1). Plant species richness accounted for 52.9-% of ecosystem multifunctionality



439 at roughly 4 % (3+) of the cost of the model including all 13 properties (77+) and represented the best  
440 individual indicator of all 13 ecosystem properties (Table 1). Plant species richness, in addition,  
441 discriminated significantly among the treatments (Fig. 2, Table 1, Appendix S1: Fig. S3).

442 Vegetation structure, soil C storage and water holding capacity together explained 70-% of ecosystem  
443 multifunctionality at the costs of roughly 8-% (6+) of what it took to obtain all 13 variables. On the  
444 contrary, by using vegetation structure, soil C storage and water holding capacity we increased the costs  
445 by roughly 17-% compared to when we only used vegetation structure alone, but we gained 22.3-% of  
446 explained variation of ecosystem multifunctionality (Table 1). Hence, this model can be considered the  
447 most cost-effective while describing a high amount of ecosystem multifunctionality (Table 2).

448 **DISKUSSION**449 **DISCUSSION**450 **Restoring grassland multifunctionality**

451 Ecosystem multifunctionality was significantly higher in semi-natural grasslands compared to  
452 intensively managed grasslands (research question 1). This is in line with studies showing that intensive  
453 agriculture decreases multifunctionality by homogenizing plant and faunal communities and soil  
454 properties (e.g., Birkhofer et al. 2012, Gossner et al. 2016, Soliveres et al. 2016), and reducing functional  
455 diversity at local and landscape scales (Allan et al. 2015, Neff et al. 2019). In contrast, traditionally  
456 managed semi-natural grasslands are characterized by high taxonomic and structural heterogeneity above-  
457 and belowground (GimmiLachat et al. 20112010, Diacon-Bolli et al. 2012, Byrne and delBarco-Trillo  
458 2019, Peciña et al. 2019), thereby supporting multiple functions and services simultaneously.

459 For all three restoration methods we found higher ecosystem multifunctionality than in intensively  
460 managed grasslands, but only the two topsoil removal treatments reached *Target* levels within 22 years  
461 (research question 2). Thus, these restoration methods allow rebuilding multifunctionality comparable to  
462 the targeted semi-natural grasslands over ~~longer~~decadal time frames, which has already been reported  
463 from peatlands (Strobl et al. 2019). We also provide strong evidence that topsoil removal not only  
464 promoted the restoration of grassland multifunctionality, but also successfully re-established ecosystem  
465 multifunctionality comparable to the targeted semi-natural grasslands. Similar results have been reported  
466 for Mediterranean forests, where the long-term recovery of forest multifunctionality depended on the  
467 intervention intensity of the restoration methods used (natural regeneration vs. active planting, Cruz-  
468 Alonso et al. 2019).

469 We assessed 13 different biotic and abiotic, above- and belowground ecosystem properties that  
470 represented key attributes of the targeted ecosystem. We specifically focused on integrating belowground  
471 ecosystem properties and functions as their recovery during restoration has been suggested essential for  
472 evaluation (see Bardgett et al. 2005, Meyer et al. 2015), especially for restoration methods that strongly

473 affect the soil, such as topsoil removal. This comprehensive assessment allowed us to also identify the  
474 contribution of the different ecosystem components to multifunctionality of restored grasslands (research  
475 question 3). Thereby, we demonstrated that topsoil removal clearly accelerated the recovery of biotic and  
476 aboveground multifunctionality while it had no negative long-term effects on abiotic or belowground  
477 multifunctionality compared to low intervention methods. Topsoil removal even led to a higher biotic  
478 multifunctionality compared to the ~~target~~*Target*, indicating that our measures succeeded in  
479 ~~recreating~~*creating* species-rich and functional systems. ~~Nevertheless, which are, however, slightly~~  
480 ~~different from our Target sites. Furthermore~~, our results also revealed that abiotic multifunctionality in all  
481 three restoration methods did not reach target levels, even 22 years after treatment implementation. Thus,  
482 the long-term recovery of abiotic soil properties lags behind aboveground properties. This is in line with  
483 short-term studies reporting time lags in the response of biotic aboveground and belowground  
484 communities to changed soil conditions (see Bardgett et al. 2005, Kardol et al. 2005, 2009a). The  
485 apparent failure in recreating soils with an equivalent level of abiotic multifunctionality compared to  
486 target systems, therefore, underlines that protection and conservation efforts are most urgently needed to  
487 minimize degradation and loss of biodiversity and ecosystem functioning (e.g., United Nations 2015:  
488 Sustainable Development Goal 15, Pe'er et al. 2020).

489 Although particular standards for ecological restoration urged the need for comprehensive assessments  
490 (see Gann et al. 2019), long-term multifunctionality studies in grassland ecosystems have so far been  
491 lacking. In addition, studies assessing the long-term recovery of multiple biotic and abiotic belowground  
492 properties after topsoil removal are scarce and primarily focused on individual properties (e.g., Frouz et  
493 al. 2009, Wubs et al. 2016, Resch et al. 2019). Here we show that long-term studies that incorporate  
494 multiple above- and belowground ecosystem components are important as the evaluation of restoration  
495 success strongly depends on the number and identity of the indicators used (e.g., Montoya et al. 2012,  
496 Wortley et al. 2013). Thus, we strongly recommend to integrate biotic and abiotic, above- and  
497 belowground properties in long-term monitoring programs to appropriately represent the entire  
498 ecosystem.

499

**500 Revealing ecosystem multifunctionality in a most cost-efficient way**

501 We used 13 ecosystem properties to calculate ecosystem multifunctionality, which was highly  
502 resource-intensive. Monitoring the success of restoration projects is normally resource-limited, only  
503 allowing for the collection of a restricted set of properties (Montoya et al. 2012, Gann et al. 2019). To  
504 explore which of our 13 properties (alone or in combination) would be best suited to describe ecosystem  
505 multifunctionality with relative high accuracy, but at low costs, we conducted a “cost-benefit analysis”  
506 (research question 4). Plant species richness was found to be the most accurate individual indicator  
507 successfully describing ecosystem multifunctionality (52.9 %), which supports its supremacy as the most  
508 commonly used biotic indicator for conservation agencies conducting such restoration monitoring (Kiehl  
509 et al. 2010). Vegetation structure would be the cheapest individual property, but still described quite a  
510 high amount of ecosystem multifunctionality (47.7 %), hence, could be used instead of plant species  
511 richness if funding is limited or experts are scarce, but long-term restoration monitoring is stipulated by  
512 statutory regulations. However, vegetation structure complemented with two low-cost belowground  
513 properties, i.e. soil C storage and water holding capacity, would allow for a highly cost-effective  
514 monitoring of ecosystem multifunctionality. Such a combination provides land managers or nature  
515 protection agencies with an accurate measure to monitor how ecosystem multifunctionality is restored  
516 over ~~longer~~decadal time frames.

517

## 518 CONCLUSIONS

519 Long-term monitoring of restoration projects is indispensable to implement adaptive management  
520 strategies if necessary and assess restoration success. This is of major importance for industries (e.g.,  
521 mining companies), governments, communities and land managers ultimately responsible for  
522 implementing enforced statutory regulations and the subsequent evaluation of restoration activities in the  
523 long-term. Practical standards to monitor and evaluate restoration have already been proposed.  
524 Nevertheless, long-term studies combining aboveground and belowground ecosystem multifunctionality  
525 assessments to evaluate the recovery of targeted ecosystem properties were lacking. Therefore, the  
526 findings of our study can serve as a guideline to monitor and evaluate long-term grassland restoration,  
527 using a comprehensive, multifunctional approach.

528 In the advent of the United Nations Decade on Ecosystem Restoration (2021-2030) multiple priorities  
529 need to be set to foster the cumulative gains of restoration actions across the globe. Hence, new  
530 restoration initiatives should not only focus on defining which specific types of ecosystems or global  
531 regions should be prioritized for restoration activities, but also on promoting and implementing cost-  
532 efficient properties to accurately assess entire ecosystems and their recovery following restoration. In this  
533 study, we showed that for our grassland systems assessing vegetation structure, soil C storage and water  
534 holding capacity allows for a highly cost-effective long-term monitoring of ecosystem multifunctionality.  
535 As this is one of the first studies considering a multifunctionality approach, further evidence from other  
536 ecosystems is needed to validate the generality of our results. Nevertheless, we are highly confident that  
537 our findings can serve as a baseline to help overcome funding limitations within restoration projects, often  
538 prevalent in less developed countries where restoration activities are especially needed.

539

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550

## 551 **AUTHORS' CONTRIBUTIONS**

552 MCR, ACR, MS, BF, SZ, and NB designed the experiment; MCR, ACR and MS developed the ideas  
553 for the manuscript; MCR, SZ and UG collected the data; WHvdP, BF and SZ led the lab work; MCR  
554 analyzed the data and wrote the first draft of the paper; ACR and MS commented on all drafts of the  
555 paper; NB, BF, UG, SZ and WHvdP contributed critically to the advanced drafts of the paper; all authors  
556 gave final approval for publication.

557

## 558 **DATA ACCESSIBILITY**

559 Data ~~will be made~~ available via the EnviDat Repository- <https://doi.org/10.16904/envidat.169>. Raw  
560 sequences of the soil microbial community ~~will be~~ deposited in the NCBI Sequence Read Archive  
561 under the BioProject accession number PRJNA630536.

562

563 **LITERATURE**

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844 **TABLES**

845 **Table 1.** Statistical analyses for all 13 ecosystem properties that we used to calculate ecosystem  
 846 multifunctionality, and to discriminate among our restored, intensively managed and semi-natural  
 847 grasslands (overall, pairwise comparison). Model comparison was based on the explained variation of  
 848 ecosystem multifunctionality ( $r^2$ ) and on the Bayesian information criterion (BIC). Ecosystem properties  
 849 are sorted by ecosystem attribute and consecutively numbered (No.). Cost = cost categorization according  
 850 to effort, infrastructure and expert knowledge needed for assessment (see Appendix S1: Table S4);  $r^2$  =  
 851 Pseudo  $r^2$ ;  $\chi^2$  = Chi squared value;  $\Delta$ BIC = difference in BIC units to the lowest ranked property (lowest  
 852 BIC = plant species richness); I = *Initial*; H = *Harvest only*; Ts = *Topsoil*; TsP = *Topsoil+Propagules*; T =  
 853 *Target*; AG = aboveground; BG = belowground. Different lower case letters indicate significant differences  
 854 between treatments.

Ecosystem attribute	Ecosystem property	Ecosystem multifunctionality					Treatment							
		No. Name	Cost	$r^2$	$\chi^2$	p	BIC	$\Delta$ BIC	$\chi^2$	p	I	H	Ts	TsP
Biodiversity	1 Arthropod richness AG	7+	0.347	23.393	<0.001	-15.5	18.0	7.504	0.112	a	a	a	a	a
	2 Taxon richness BG	9+	0.001	0.034	0.855	8.0	41.4	3.174	0.529	a	a	a	a	a
	3 Plant species richness	3+	0.529	41.707	<0.001	-33.4	-	63.530	<0.001	c	b	a	a	a
Structural diversity	4 Vegetation structure	1+	0.477	34.929	<0.001	-27.7	5.7	34.128	<0.001	c	c	b	a	b
	5 Soil heterogeneity	8+	0.093	5.144	0.023	2.7	36.1	7.302	0.121	a	a	a	a	a
	6 Functional diversity AG	8+	0.005	0.238	0.626	7.7	41.2	15.554	0.004	ab	b	b	a	b
	7 Functional diversity BG	10+	0.137	8.042	0.005	-0.1	33.3	17.196	0.002	b	b	a	b	b
	8 Food-web complexity AG	8+	0.317	20.941	<0.001	-12.9	20.5	24.769	<0.001	c	bc	b	a	bc
	9 Food-web complexity BG	10+	0.014	0.802	0.371	7.3	40.7	4.790	0.310	a	a	a	a	a
Soil functions	10 Soil C storage	2+	0.137	8.631	0.003	-0.1	33.3	15.126	0.004	c	ab	ab	bc	a
	11 Water holding capacity	3+	0.221	13.845	<0.001	-5.8	27.7	8.798	0.066	a	a	a	a	a
	12 Nutrient retention capacity	3+	0.186	11.886	<0.001	-3.3	30.1	9.245	0.055	a	a	a	a	a
Soil process	13 Soil net N mineralization	5+	0.415	29.440	<0.001	-21.5	11.9	49.884	<0.001	d	c	b	b	a

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856

857 **Table 2.** Comparison of top alternative models based on highest explained variation of ecosystem  
 858 multifunctionality (EMF) or lowest cost. Alternative ecosystem multifunctionality models were clustered  
 859 according to the number of ecosystem properties included in the calculations (EMF.1-12). Alternative  
 860 models for highest explanatory power were compared based on the Bayesian information criteria (BIC)  
 861 and considered different when the difference in  $\Delta$ BIC was  $> 2$  (Kassambra 2018; Appendix S2). This was  
 862 done for each cluster separately. % EMF = proportion of ecosystem multifunctionality explained; Cost =  
 863 total costs for a specific model (Table 1; Appendix S1: Table S4; Appendix S2); Properties considered =  
 864 List of ecosystem properties included, numbers correspond to Table 1 (No.).

EMF model	highest explanatory power			lowest cost		
	% EMF	Cost	Properties considered	% EMF	Cost	Properties considered
EMF.12	99.5	67+	1+2+3+4+5+6+7+8+10+11+12+13	99.5	67+	1+2+3+4+5+6+7+8+10+11+12+13
EMF.11	98.8	58+	1+3+4+5+6+7+8+10+11+12+13	97.5	57+	1+2+3+4+5+6+8+10+11+12+13
EMF.10	98.2	55+	1+3+4+5+6+7+8+10+11+13	97.3	48+	1+3+4+5+6+8+10+11+12+13
EMF.9	97.2	50+	1+3+4+5+6+7+8+10+11	96.3	40+	1+3+4+5+8+10+11+12+13
EMF.8	96.3	42+	1+3+4+5+7+8+10+11	92.3	32+	1+3+4+8+10+11+12+13
EMF.7	95.5	36+	1+3+5+8+10+11+13	85.3	24+	1+3+4+10+11+12+13
EMF.6	94.5	31+	1+3+5+8+10+11	80.0	17+	3+4+10+11+12+13
EMF.5	89.8	23+	1+3+8+10+11	78.1	12+	3+4+10+11+12
EMF.4	87.6	21+	1+3+8+11	77.8	9+	3+4+10+11
EMF.3	80.4	14+	3+8+11	70.0	6+	4+10+11
EMF.2	70.1	10+	1+3	56.5	3+	4+10
EMF.1	52.9	3+	3	47.7	1+	4

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## 867 **FIGURE LEGENDS**

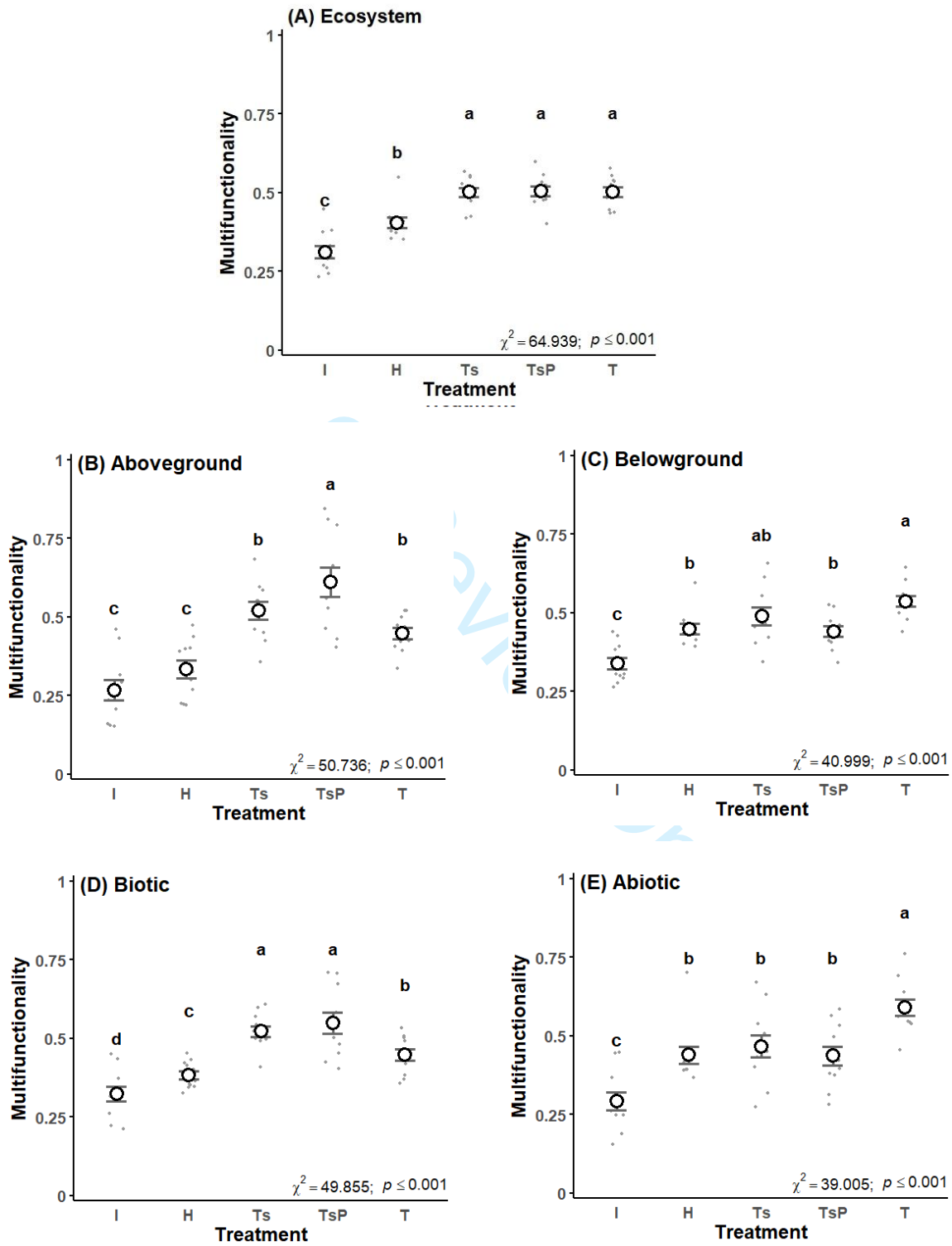
868 **Fig. 1.** Treatment effects on ecosystem (A), aboveground (B), belowground (C), biotic (D) and abiotic  
869 (E) multifunctionality (mean  $\pm$  SE). All five multifunctionality measures represent weighted average values  
870 of standardized properties (y- axis: scaled between 0 and 1). Different lower-case letters indicate significant  
871 differences between treatments. I = *Initial*; H = *Harvest only*; Ts = *Topsoil*; TsP = *Topsoil+Propagules*; T  
872 = *Target*.

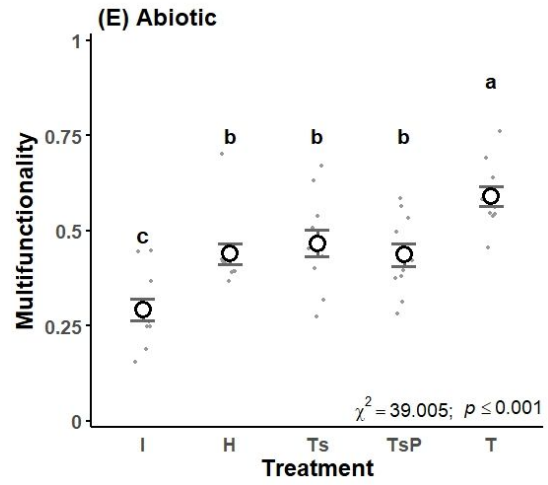
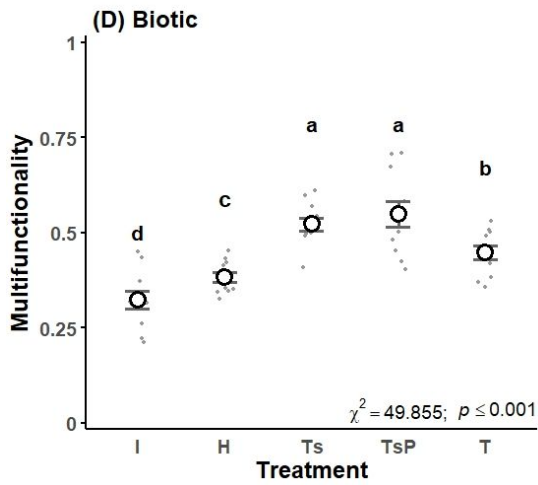
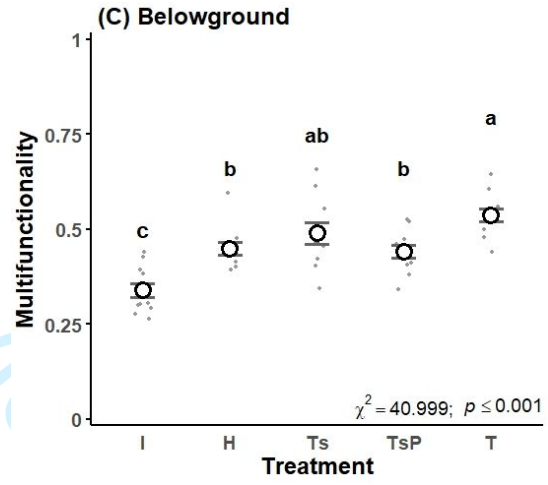
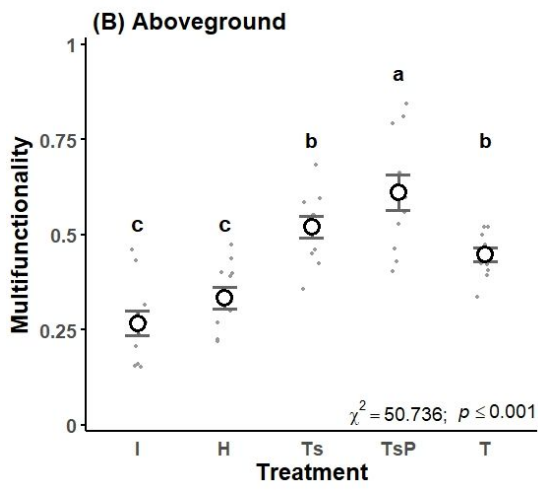
873  
874 **Fig. 2.** Treatment effects on standardized ecosystem properties (mean  $\pm$  SE; 1-13). Different lower case  
875 letters indicate significant differences between treatments. AG = aboveground; BG = belowground; I =  
876 *Initial*; H = *Harvest only*; Ts = *Topsoil*; TsP = *Topsoil+Propagules*; T = *Target*. Label numbers refer to  
877 Table 1 (No.).

878  
879 **Fig. 3.** Relationship of explained variation of ecosystem multifunctionality (EMF) with costs for  
880 individual and multiple ecosystem properties. Subsets of possible combinations were identified by the  
881 stepwise reduction of all 13 ecosystem properties using an exhaustive search approach, which resulted in  
882 8190 alternative calculations of ecosystem multifunctionality (single points; Appendix S2). Alternative  
883 calculations of ecosystem multifunctionality were clustered by number of included ecosystem properties  
884 (No. variables) and indicated by different ~~colours~~ colors. Linear regressions were calculated per cluster and  
885 also indicated in the respective ~~colours~~ colors. For comparison, ecosystem multifunctionality calculated  
886 based on all 13 properties and the respective costs are also shown (\* = Full model).

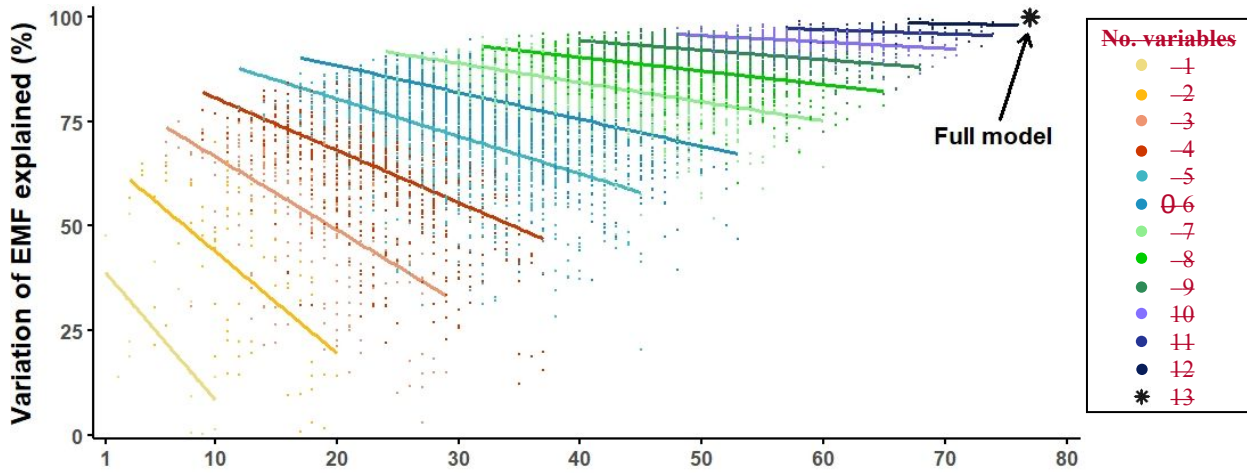


887 **FIGURE 1**

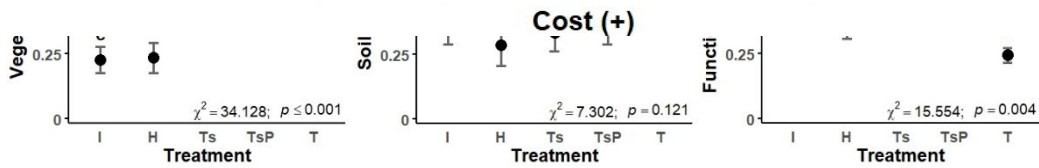




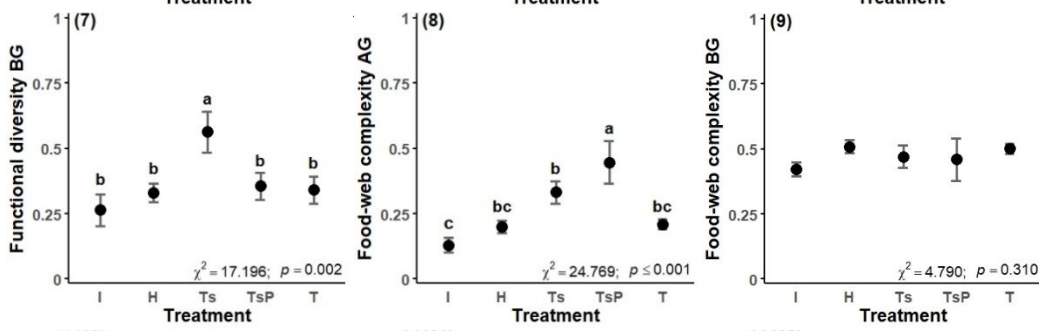
889 **FIGURE 2**



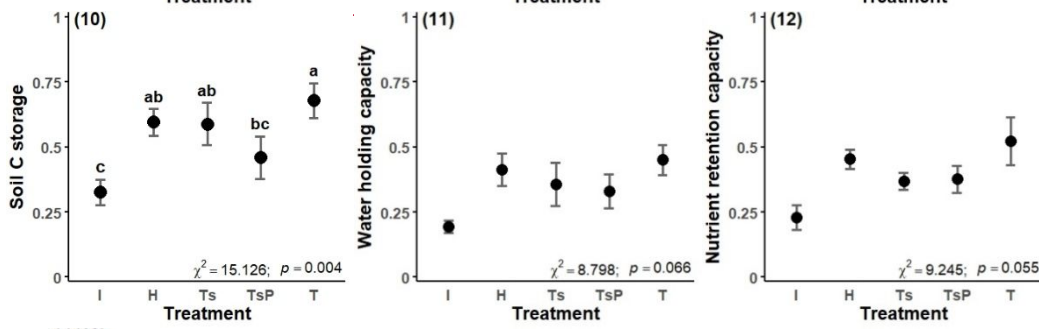
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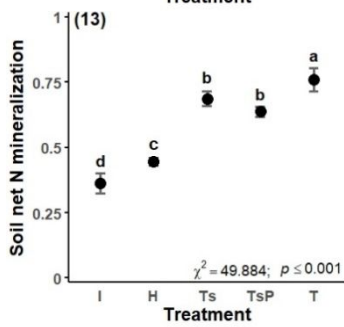
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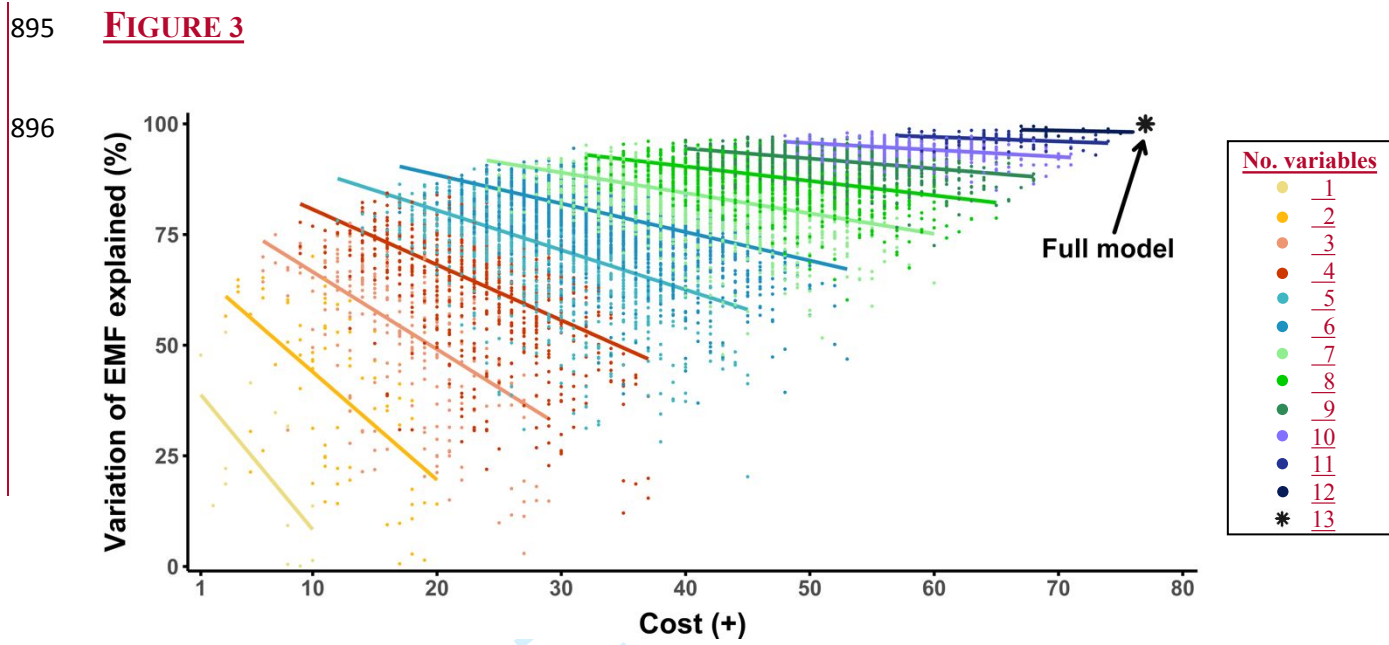


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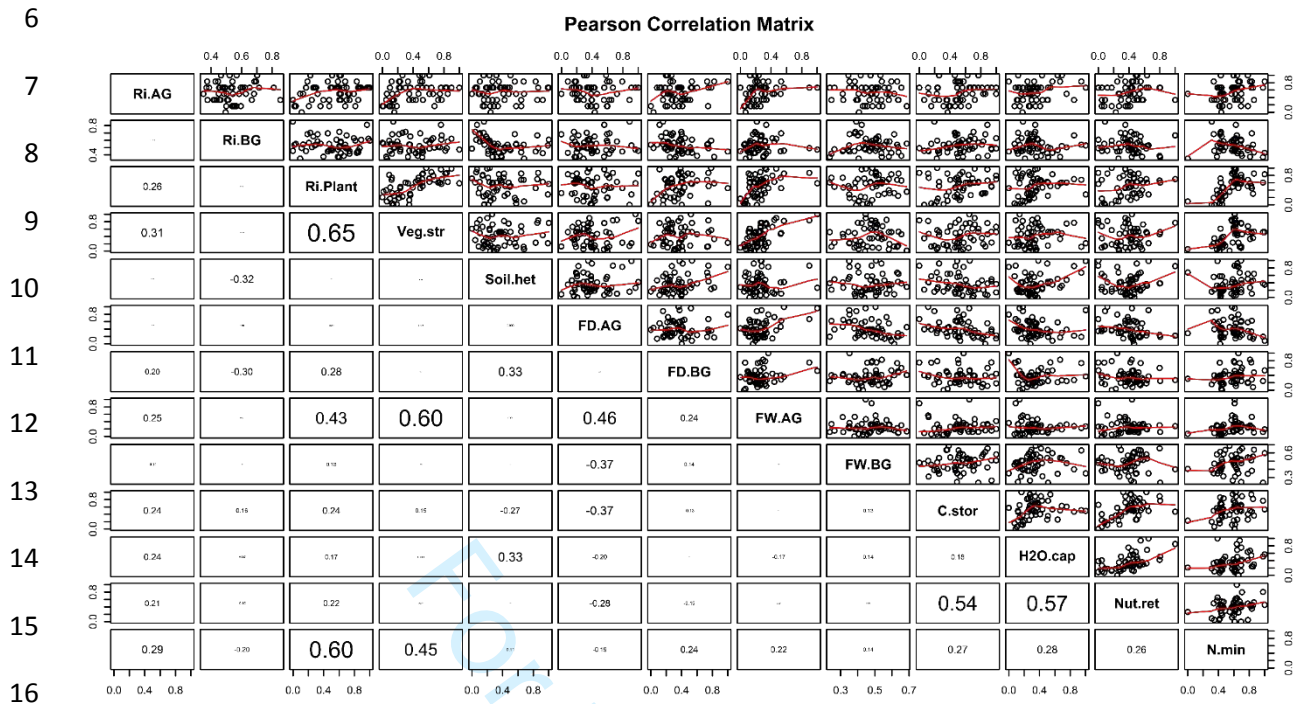




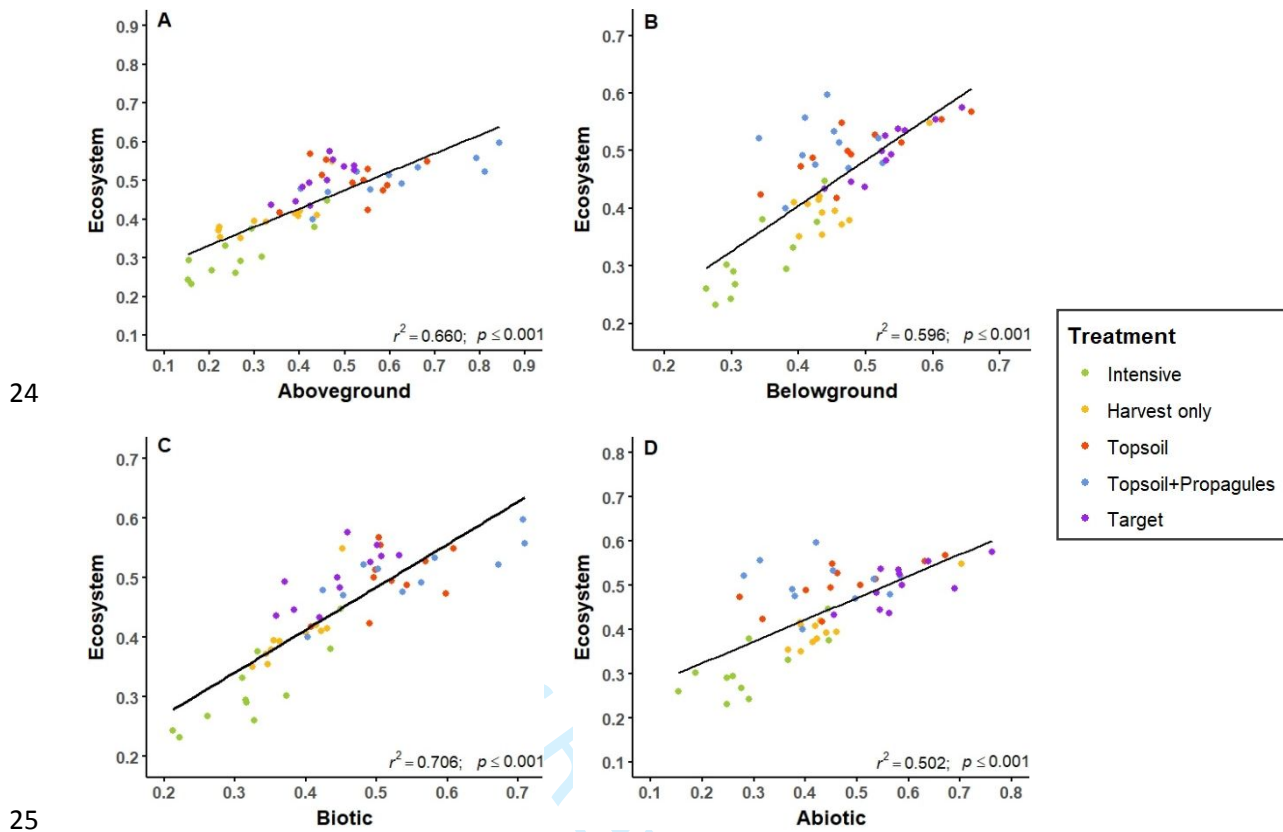
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- 1 **Supporting Information.** M. Carol Resch, Martin Schütz, Nina Buchmann, Beat Frey, Ulrich Graf,
- 2 Wim H. van der Putten, Stephan Zimmermann, Anita C. Risch. *Evaluating long-term success in*
- 3 *grassland restoration – an ecosystem multifunctionality approach.* [Ecological Applications](#)
- 4
- 5 **APPENDIX S1.** Supporting information

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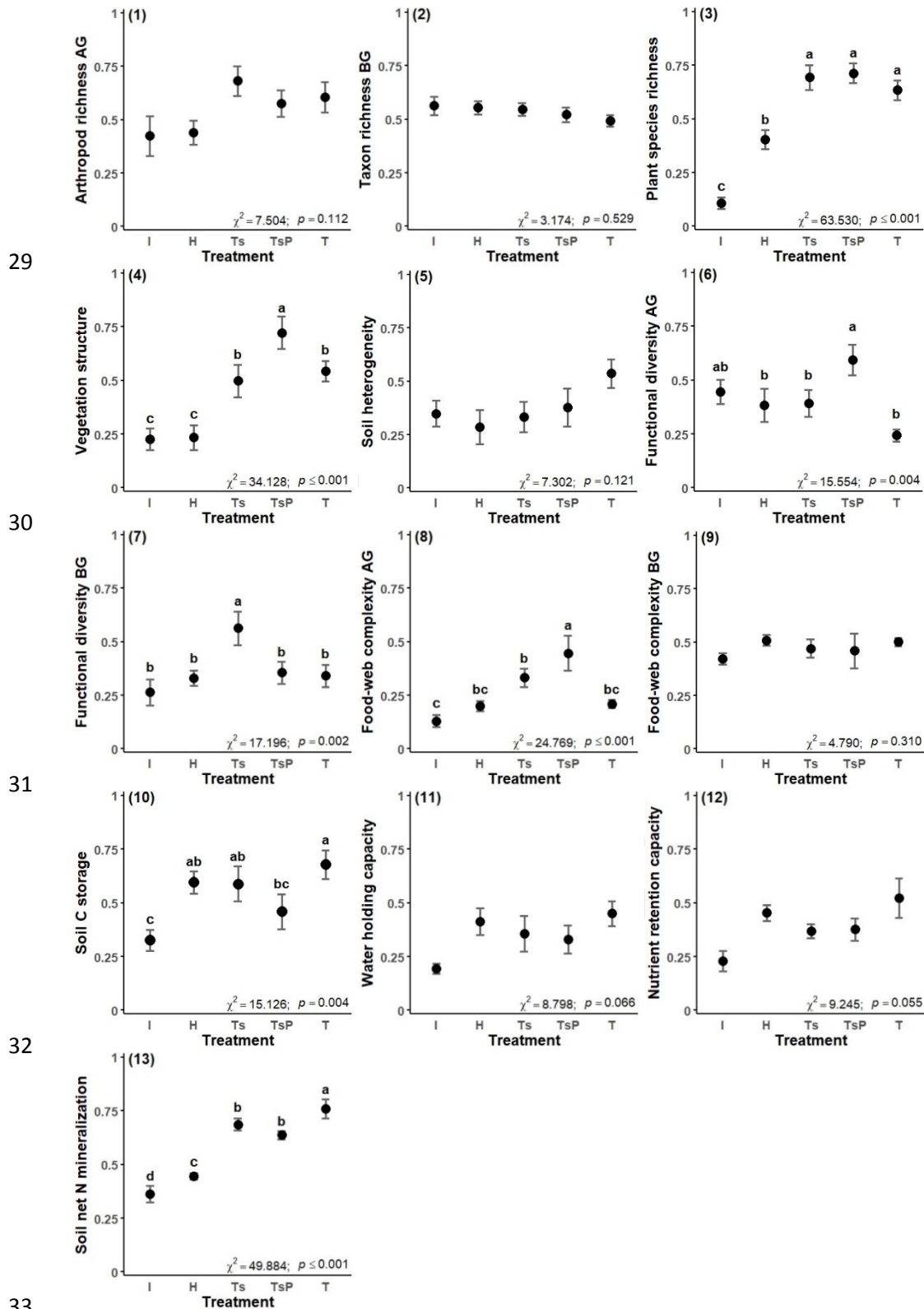


17 **Figure S1:** Scatterplot matrix for pair-wise comparison of the 13 ecosystem properties using Pearson  
 18 correlations. Strength of correlation is size-coded (increasing font size=higher correlation). No highly  
 19 correlated variables, i.e. Pearson  $> |0.7|$ , were identified, therefore all ecosystem properties were kept  
 20 for further multifunctionality calculations (Dormann et al. 2013). Ri = richness; AG = aboveground;  
 21 BG = belowground; Veg.str = vegetation structure; Soil.het = soil heterogeneity; FD = functional  
 22 diversity; FW = food-web complexity; C.stor = soil carbon storage; H2O.cap = water holding  
 23 capacity; Nut.ret = nutrient retention capacity; N.min = soil net nitrogen mineralization.



**Figure S2:** Relationship between ecosystem multifunctionality and aboveground (A), belowground (B), biotic (C), and abiotic (D) multifunctionality across all five treatments. Degrees of freedom: numerator=1, denominator=53.





33 **Figure S3:** Treatment effects on standardized ecosystem properties (mean  $\pm$  SE; 1-13). Different  
 34 lower case letters indicate significant differences between treatments. AG = aboveground;  
 35 BG = belowground; I = *Initial*; H = *Harvest only*; Ts = *Topsoil*; TsP = *Topsoil+Propagules*; T =  
 36 *Target*. Label numbers refer to Table 1 (No.).  
 37

38 **Table S1:** Detailed site description of individual plots. Management: level of mowing frequency per  
 39 year; for Initial plots = mowing frequency equivalent to manuring frequency (35-40 kg N ha-1  
 40 application-1). Tillage: last time the plot was tilled. Land-use: for Initial plots = recent agricultural  
 41 use; for all restored sites = agricultural use before restoration-; TG = temporary grassland; PG =  
 42 permanent grassland. Mowing: for Initial plots = earliest date of biomass harvesting; for restored and  
 43 target sites: earliest date(s) of biomass harvesting based on contracts between farmers and the Nature  
 44 Protection Agency of Zurich. Soil type: Soil types based on soil mapping survey 1991 (before  
 45 restoration). Slope: slope gradient classes in % according to FAO (1990).

Plot	Treatment	X Coordinate	Y Coordinate	Management	Tillage	Land use	Mowing	Soil type	Slope
I1	Initial	689 080.243	258 246.682	4-5 times	< 5 years	TG	~ 01.05	calcaric Cambisol	2-5
I2	Initial	689 171.878	258 201.273	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	5-10
I3	Initial	689 369.799	257 724.519	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	15-30
I4	Initial	689 655.412	257 775.139	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	10-15
I5	Initial	689 474.826	257 867.636	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	5-10
I6	Initial	689 621.276	257 411.625	2-3 times	> 50 years	PG	~ 01.05	Cambisol	5-10
I7	Initial	689 107.190	258 191.221	2-3 times	> 50 years	PG	~ 01.05	calcaric Cambisol	10-15
I8	Initial	689 856.414	257 037.378	4-5 times	< 5 years	TG	~ 01.05	Cambisol	2-5
I9	Initial	688 074.334	256 633.488	4-5 times	< 5 years	TG	~ 01.05	gleyic Cambisol	1-2
I10	Initial	689 181.127	255 357.313	4-5 times	< 5 years	TG	~ 01.05	calcaric Cambisol	1-2
I11	Initial	689 182.964	255 311.208	4-5 times	< 5 years	TG	~ 01.05	calcaric Cambisol	1-2
H1	Harvest only	689 186.967	258 681.567	twice	> 50 years	PG	15.06+01.08	calcaric Cambisol	15-30
H2	Harvest only	688 933.815	258 420.623	twice	> 50 years	PG	01.06+01.08	gleyic Cambisol	1-2
H3	Harvest only	688 919.745	258 404.992	twice	> 50 years	PG	01.06+01.08	gleyic Cambisol	1-2
H4	Harvest only	688 879.453	258 194.025	twice	> 50 years	PG	15.06+01.08	calcaric Cambisol	10-15
H5	Harvest only	689 607.500	257 321.004	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	5-10
H6	Harvest only	689 601.683	257 303.948	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	2-5
H7	Harvest only	689 287.785	257 262.048	once	> 50 years	PG	01.09	gleyic Cambisol	1-2
H8	Harvest only	689 384.058	257 240.320	twice	> 20 years	TG	15.06+01.08	Cambisol	1-2
H9	Harvest only	688 243.282	256 768.410	twice	> 50 years	PG	15.06+01.08	Cambisol	5-10
H10	Harvest only	688 087.389	256 606.881	twice	> 20 years	TG	15.06+01.08	gleyic Cambisol	1-2
H11	Harvest only	686 482.257	257 511.743	twice	> 50 years	PG	15.06+01.08	Cambisol	5-10
Ts12	Topsoil	688 842.399	258 157.864	once	> 20 years	TG	01.10	calcaric Cambisol	15-30
Ts13	Topsoil	688 924.788	258 162.298	once	> 20 years	TG	01.10	gleyic Cambisol	5-10
Ts14	Topsoil	688 945.718	258 163.263	once	> 20 years	TG	01.10	gleyic Cambisol	2-5
Ts15	Topsoil	688 929.716	258 150.335	once	> 20 years	TG	01.10	gleyic Cambisol	5-10
Ts16	Topsoil	689 304.495	257 643.792	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	15-30
Ts17	Topsoil	689 299.038	257 635.489	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
Ts18	Topsoil	689 290.017	257 630.635	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
Ts19	Topsoil	689 275.499	257 604.954	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
Ts20	Topsoil	688 432.429	256 701.455	once	> 20 years	TG	01.09	Cambisol	10-15
Ts21	Topsoil	688 452.466	256 689.857	once	> 20 years	TG	01.09	Cambisol	10-15
Ts22	Topsoil	688 480.873	256 674.312	once	> 20 years	TG	01.09	Cambisol	10-15
TsP23	Topsoil+Propagules	688 866.496	258 143.692	once	> 20 years	TG	01.10	calcaric Cambisol	15-30

TsP24	Topsoil+Propagules	688 920.325	258 174.350	once	> 50 years	PG	01.10	gleyic Cambisol	2-5
TsP25	Topsoil+Propagules	688 936.369	258 182.046	once	> 50 years	PG	01.10	gleyic Cambisol	2-5
TsP26	Topsoil+Propagules	688 940.846	258 139.118	once	> 20 years	TG	01.10	gleyic Cambisol	10-15
TsP27	Topsoil+Propagules	689 327.330	257 626.436	twice	> 50 years	PG	15.07+01.09	calcaric Cambisol	15-30
TsP28	Topsoil+Propagules	689 331.254	257 608.974	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
TsP29	Topsoil+Propagules	689 311.264	257 594.039	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
TsP30	Topsoil+Propagules	689 291.989	257 592.732	once	> 50 years	PG	01.10	calcaric Cambisol	1-2
TsP31	Topsoil+Propagules	688 427.274	256 690.798	once	> 20 years	TG	01.09	Cambisol	10-15
TsP32	Topsoil+Propagules	688 443.274	256 671.733	once	> 20 years	TG	01.09	Cambisol	10-15
TsP33	Topsoil+Propagules	688 476.252	256 662.240	once	> 20 years	TG	01.09	Cambisol	10-15
T1	Target	689 243.905	258 650.264	once	> 50 years	PG	01.10	calcaric Cambisol	15-30
T2	Target	689 236.201	258 665.533	once	> 50 years	PG	01.10	calcaric Cambisol	15-30
T3	Target	688 745.706	260 651.789	once	> 50 years	PG	01.07	calcaric Cambisol	30-60
T4	Target	688 770.481	260 651.169	once	> 50 years	PG	01.07	calcaric Cambisol	30-60
T5	Target	682 380.151	257 922.449	once	> 50 years	PG	01.09	Gleysol	1-2
T6	Target	682 369.291	258 137.826	once	> 50 years	PG	01.09	gleyic Cambisol	1-2
T7	Target	682 383.696	258 122.936	once	> 50 years	PG	01.09	gleyic Cambisol	1-2
T8	Target	682 351.964	258 096.006	once	> 50 years	PG	01.09	Gleysol	1-2
T9	Target	682 347.167	258 038.684	once	> 50 years	PG	01.09	Gleysol	2-5
T10	Target	682 386.682	257 977.765	once	> 50 years	PG	01.09	Gleysol	2-5
T11	Target	682 364.170	257 909.674	once	> 50 years	PG	01.09	Gleysol	5-10

47 **Table S2:** Ecosystem attributes, their ecological importance, and their link to selected ecosystem  
 48 properties. AG = aboveground; BG = belowground.

Ecosystem attribute	Important indications	Ecosystem property	References
<b>Biodiversity</b>	- <b>Ecosystem stability, resistance and resilience:</b> ability to counteract or buffer environmental changes (e.g. climatic extremes such as droughts or floods); increases rates and pace of recovery from disturbance; acts as barrier to ecological invasion	Arthropod richness AG	Pennekamp et al. 2018; Isbell et al. 2015; Kennedy et al. 2002; Naeem et al. 2000
		Taxon richness BG	
		Plant richness	
	<b>Structural diversity</b>	- <b>Niche availability and differentiation:</b> vertical stratification influences important habitat features (i.e., microclimate, food and shelter availability); increased heterogeneity promotes species coexistence and hence species diversity	Vegetation structure
	- <b>Spatial heterogeneity:</b> increased patchiness of resources promotes niche differentiation and counteracts homogenization and dominance of exploitative species	Soil heterogeneity	Baer et al. 2019; Gossner et al. 2016
	- <b>Resource utilization efficiency:</b> functional complementary or redundancy of organismic groups indicates sustainability or exploitation of resources; complementary or opposing effects due to enhanced diversity in functional groups	Functional diversity	Soliveres et al. 2016; Vandewalle et al. 2010; Pacini et al. 2009; Yachi and Loreau 2007; Rosenfeld 2002
	- <b>Presence and diversity of key trophic levels:</b> indicator of disturbance intensity (e.g. restoration method, one-time) or management (ongoing); increased levels of disturbance decrease complexity by absence of higher trophic levels	Food-web complexity	Parisi et al. 2005; Bongers 1990
<b>Soil functions</b>	- <b>Water regulation:</b> hydrological conditions (e.g., changes in groundwater level) and water availability for plant growth	Water holding capacity	Hazelton and Murphy 2007; Delarze et al. 2015
	- <b>Storage and filtering capacity:</b> storing, filtering and transforming nutrients and pollutants; regulation of nutrient sequestration and flow to mitigate negative effects of land use or climate change	Soil carbon storage	Wang et al. 2019; Ward et al. 2016; Grêt-Regamey et al. 2016
	- <b>Soil fertility:</b> capacity of soil to hold and exchange cations in a plant available form; reduced values indicate for potential threat of excessive nutrient-leaching or soil acidification	Nutrient retention capacity	Matson et al. 1997
<b>Soil process</b>	- <b>Nutrient cycling:</b> appropriate levels of plant growth and productivity in sustainable and self-supporting ecosystems	Soil net nitrogen mineralization	Risch et al. 2018; Risch et al. 2019

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51 **Table S3:** Classification of faunal and microbial functional groups according to which part of the  
 52 ecosystem they inhabit (above-/belowground), phylum, identification level of taxonomic or functional  
 53 group, feeding type, trophic level, response to increased stress or disturbance levels (SD level), and  
 54 the proposed factor defining food-web complexity (FW factor, feeding type + trophic level + SD  
 55 level). Classification of functional groups was based on lowest taxonomic resolution (see also Data  
 56 repository: <https://doi.org/10.16904/envidat.169>. This information was used to assess functional  
 57 diversity (feeding type + trophic level) and food-web complexity (rel. abundance multiplied by FW  
 58 factor) above- and belowground. Collembola were classified into functional subgroups following  
 59 Oliveira Filho et al. (2016). .a = adults; .l = larvae; .juv = juveniles; EMI = ecomorphological index  
 60 (Parisi et al. 2005); SD = stress/disturbance level; C-P = colonizer-persister scaling (Bongers 1990).

Ecosystem compartment	Phylum	Taxonomic unit/ Functional groups	Feeding type	Trophic level	SD level	FW factor
aboveground	Arthropoda	Pseuscorpiones.a	Carnivores	5. level	EMI.20	5.9
		Formicidae.a	Omnivores	5. level	EMI.5	5.5
		Araneae.a	Carnivores	5. level	EMI.1	5.1
		Staphylinidae.a	Carnivores	5. level	EMI.1	5.1
		Neuroptera.a	Carnivores	5. level	EMI.1	5.1
		Coleoptera.a	Omnivores	5. level	EMI.1	5.1
		Ensifera.a	Omnivores	5. level	EMI.1	5.1
		Heteroptera.a	Omnivores	5. level	EMI.1	5.1
		Isopoda.a	Omnivores	4. level	EMI.10	4.8
		holometabolic.l	Omnivores	4. level	EMI.10	4.8
		Blattodea.a	Omnivores	4. level	EMI.5	4.5
		Apocrita.a	Omnivores	4. level	EMI.1	4.1
		Heteroptera.juv	Omnivores	4. level	EMI.1	4.1
		Nematocera.a	Omnivores	3. level	EMI.1	3.1
		Brachycera.a	Omnivores	3. level	EMI.1	3.1
		Lepidoptera.a	Omnivores	3. level	EMI.1	3.1
		Psocoptera.a	Omnivores	3. level	EMI.1	3.1
		Caelifera.a	Herbivores	2. level	EMI.1	2.1
		Psyllidae.a	Herbivores	2. level	EMI.1	2.1
		Auchenorrhyncha.a	Herbivores	2. level	EMI.1	2.1
		Auchenorrhyncha.juv	Herbivores	2. level	EMI.1	2.1
		Aphididae.a	Herbivores	2. level	EMI.1	2.1
		Thysanoptera.a	Herbivores	2. level	EMI.1	2.1
belowground	Annelida	Earthworm.anecic	Omnivores	5. level	SD.9	5.9
		Earthworm.endogeic	Omnivores	5. level	SD.5	5.5
		Earthworm.epigeic	Omnivores	5. level	SD.1	5.1

Arthropoda	Geophilomorpha.a	Carnivores	5. level	EMI.10	5.8
	Lithobiomorpha.a	Carnivores	5. level	EMI.10	5.8
	Vespoidea.a	Carnivores	5. level	EMI.1	5.1
	Staphylinidae.a	Carnivores	5. level	EMI.1	5.1
	Coleoptera.juv	Omnivores	5. level	EMI.10	5.8
	Formicidae.a	Omnivores	5. level	EMI.5	5.5
	Coleoptera.a	Omnivores	5. level	EMI.1	5.1
	Heteroptera.a	Omnivores	5. level	EMI.1	5.1
	Acari. oribatida	Omnivores	4. level	EMI.20	4.9
	Diplura.a	Omnivores	4. level	EMI.20	4.9
	Acari.rest	Omnivores	4. level	EMI.10	4.8
	Diptera.l	Omnivores	4. level	EMI.10	4.8
	Lepidoptera.l	Omnivores	4. level	EMI.10	4.8
	holometabolic.l	Omnivores	4. level	EMI.10	4.8
	Araneae.juv	Omnivores	4. level	EMI.5	4.5
	Protura.a	Fungivores	3. level	EMI.20	3.9
	Symphyla.a	Omnivores	3. level	EMI.20	3.9
	Paupoda.a	Omnivores	3. level	EMI.20	3.9
	Collembola.euedaphic1	Fungivores	3. level	EMI.20	3.9
	Archaeognatha.a	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic3	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic8	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic12	Omnivores	3. level	EMI.10	3.8
	Collembola.euedaphic20	Omnivores	3. level	EMI.10	3.8
	Collembola.hemiedaphic16	Omnivores	3. level	EMI.8	3.6
	Collembola.hemiedaphic31	Omnivores	3. level	EMI.6	3.5
	Collembola.hemiedaphic32	Omnivores	3. level	EMI.6	3.5
	Collembola.hemiedaphic49	Omnivores	3. level	EMI.6	3.5
	Collembola.epigeic8	Omnivores	3. level	EMI.4	3.2
	Collembola.epigeic9	Omnivores	3. level	EMI.4	3.2
	Collembola.epigeic15	Omnivores	3. level	EMI.2	3.2
	Collembola.epigeic17	Omnivores	3. level	EMI.2	3.2
	Collembola.epigeic22	Omnivores	3. level	EMI.1	3.1
	Psocoptera.juv	Omnivores	3. level	EMI.1	3.1
	Psocoptera.a	Herbivores	2. level	EMI.1	2.1
	Heteroptera.juv	Herbivores	2. level	EMI.1	2.1
	Auchenorrhyncha.a	Herbivores	2. level	EMI.1	2.1
	Auchenorrhyncha.juv	Herbivores	2. level	EMI.1	2.1
	Aphididae.a	Herbivores	2. level	EMI.1	2.1
	Aphididae.juv	Herbivores	2. level	EMI.1	2.1
Thysanoptera.a	Herbivores	2. level	EMI.1	2.1	
Nematoda	Ca5	Carnivores	4. level	C-P.5	4.9
	Om5	Omnivores	4. level	C-P.5	4.9
	Ca4	Carnivores	4. level	C-P.4	4.8

	Om4	Omnivores	4. level	C-P.4	4.8
	Ca3	Carnivores	4. level	C-P.3	4.5
	Om3	Omnivores	4. level	C-P.3	4.5
	Ba4	Bacterivores	3. level	C-P.4	3.8
	Fu4	Fungivores	3. level	C-P.4	3.8
	Ba3	Bacterivores	3. level	C-P.3	3.5
	Fu3	Fungivores	3. level	C-P.3	3.5
	Fu2	Fungivores	3. level	C-P.2	3.2
	Ba2	Bacterivores	3. level	C-P.2	3.2
	Ba1	Bacterivores	3. level	C-P.1	3.1
	He5	Herbivores	2. level	C-P.5	2.9
	He4	Herbivores	2. level	C-P.4	2.8
	He3	Herbivores	2. level	C-P.3	2.5
	He2	Herbivores	2. level	C-P.2	2.2
Prokaryota	Pro.methanotroph	methanotroph	2. level	undefined	2.9
	Pro.mixotroph	mixotroph	2. level	oligotroph	2.9
	Pro.mixotroph	mixotroph	2. level	copiotroph	2.1
	Pro.heterotroph	heterotroph	2. level	oligotroph	2.9
	Pro.heterotroph	heterotroph	2. level	copiotroph	2.1
	Pro.heterotroph	heterotroph	2. level	undefined	2.1
	Pro.autotroph	autotroph	1. level	oligotroph	2.9
	Pro.autotroph	autotroph	1. level	copiotroph	2.1
	Pro.undef	undefined	2. level	oligotroph	2.9
	Pro.undef	undefined	2. level	copiotroph	2.1
	Pro.undef	undefined	2. level	undefined	2.1
Fungi	Fun.symbio	symbiotroph	2. level	undefined	2.9
	Fun.bio	biotroph	2. level	parasitic	2.9
	Fun.sapro	saprotroph	2. level	oligotroph	2.9
	Fun.sapro	saprotroph	2. level	copiotroph	2.1
	Fun.sapro	saprotroph	2. level	undefined	2.5
	Fun.patho	pathotroph	2. level	animal	2.9
	Fun.patho	pathotroph	2. level	undefined	2.1
	Fun.others	others	2. level	undefined	2.5
	Fun.undef	undefined	2. level	undefined	2.1



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63 **Table S4:** ~~Coarse Summarized~~ cost ~~categorisation~~ categorization for the 13 ecosystem properties used  
 64 to calculate multifunctionality measures. Effort: sampling, extraction and identification (i.e., time  
 65 needed). Infrastructure: equipment (e.g., microscopes) and laboratories (e.g., wet, genetic). Analyses  
 66 requiring specific equipment, ~~such as~~ (e.g., sequencing machines, CN analyzer) for soil genetic and  
 67 chemical properties, have been outsourced to ~~specialised~~ specialized companies as might be most  
 68 eligible for practical implementation. Expert knowledge: expertise for identification, classification  
 69 and interpretation (e.g., biotic communities). Categories were based on detailed assessment for effort,  
 70 infrastructure and expert knowledge listed in Tables S5, S6 and S7. AG = aboveground; BG =  
 71 belowground.

Ecosystem property	Cost	Effort	Infrastructure	Expert knowledge
1 Arthropod richness AG	<del>++++</del> <del>+++(-</del> <del>7+)</del> ±	++++	+	++
2 Taxon richness BG	<del>++++</del> <del>+(9+)</del> <del>9+</del>	++++	+++	++
3 Plant richness	<del>+++(-</del> <del>3+)</del> ±	+		++
4 Vegetation structure	<del>+(-</del> <del>1+)</del> ±	+		
5 Soil heterogeneity	<del>++++</del> <del>++++</del> <del>(</del> <del>8+)</del> ±	++++	++	++
6 Functional diversity AG	<del>++++</del> <del>++++</del> <del>(</del> <del>8+)</del> ±	++++	+	+++
7 Functional diversity BG	<del>++++</del> <del>++++</del> <del>++</del> <del>(10+)</del> <del>±</del>	++++	+++	+++
8 Food-web complexity AG	<del>++++</del> <del>++++</del> <del>(</del> <del>8+)</del> ±	++++	+	+++

9	Food-web complexity BG	<del>++++</del> <del>++++</del> <del>++</del> <del>(10+)</del> <del>±</del>	++++	+++	+++
10	Soil carbon storage	<del>++(-)</del> <del>2+)</del> <del>±</del>	+	+	
11	Water holding capacity	<del>+++(-)</del> <del>3+)</del> <del>±</del>	++	+	
12	Nutrient retention capacity	<del>+++(-)</del> <del>3+)</del> <del>±</del>	++	+	
13	Soil net nitrogen mineralization	<del>++++</del> <del>+(-)</del> <del>5+)</del> <del>±</del>	++	++	+

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75 **Table S5:** Detailed description of the effort needed to assess individual ecosystem properties in our  
 76 specific study. Estimates are given as work days per sample for the different tasks to obtain raw data  
 77 to be used in data analysis. AG = aboveground; BG = belowground.

<u>Ecosystem property</u>	<u>Sampling</u> <u>+ Extraction</u>	<u>Sorting</u> <u>+ Identification</u>	<u>additional</u> <u>classification</u>
<u>1 Arthropod richness AG</u>	<u>1.0</u>	<u>5.0</u>	<u>---</u>
<u>2 Taxon richness BG</u>			<u>---</u>
<u>- earthworms</u>	<u>0.04</u>	<u>0.5</u>	
<u>- arthropods</u>	<u>7.0</u>	<u>2.0</u>	
<u>- nematodes</u>	<u>7.0</u>	<u>0.5</u>	
<u>- microbes</u>	<u>2.0</u>	<u>3.0</u>	
<u>3 Plant richness</u>	<u>---</u>	<u>0.04</u>	<u>---</u>
<u>4 Vegetation structure</u>	<u>0.02</u>	<u>---</u>	<u>---</u>
<u>5 Soil heterogeneity</u>		<u>---</u>	<u>---</u>
<u>- soil pH</u>	<u>1.0</u>		
<u>- organic C content</u>	<u>1.5</u>		
<u>- NO<sub>3</sub><sup>-</sup> concentration</u>	<u>0.5</u>		
<u>- NH<sub>4</sub><sup>+</sup> concentration</u>	<u>0.5</u>		
<u>- exchangeable cation concentrations</u>	<u>0.5</u>		
<u>- bulk density</u>	<u>0.5</u>		
<u>- proportion of skeleton</u>	<u>1.0</u>		
<u>- texture</u>	<u>1.5</u>		
<u>- proportion of fine pores</u>	<u>0.2</u>		
<u>- thickness of topsoil horizon</u>	<u>0.02</u>		
<u>- slope class</u>	<u>0.02</u>		
<u>- seasonal variation surface temperature</u>	<u>0.5</u>		
<u>- seasonal variation soil temperature</u>	<u>0.5</u>		
<u>- seasonal variation soil moisture</u>	<u>0.5</u>		
<u>6 Functional diversity AG</u>	<u>see Arthropod richness AG</u>		<u>3.0</u>
<u>7 Functional diversity BG</u>	<u>see Taxon richness BG</u>		<u>1.0</u>
<u>8 Food-web complexity AG</u>	<u>see Arthropod richness AG</u>		<u>1.0</u>
<u>9 Food-web complexity BG</u>	<u>see Taxon richness BG</u>		<u>1.0</u>
<u>10 Soil carbon storage</u>	<u>1.0</u>	<u>---</u>	<u>---</u>
<u>11 Water holding capacity</u>	<u>see bulk density</u>		<u>1.0</u>
<u>12 Nutrient retention capacity</u>	<u>see exchangeable cations</u>		<u>1.0</u>
<u>13 Soil net nitrogen mineralization</u>	<u>see NO<sub>3</sub><sup>-</sup> and NH<sub>4</sub><sup>+</sup></u>		<u>2.5</u>

78

79 **Table S6:** Detailed description of the infrastructure needed to assess individual ecosystem properties.  
 80 Infrastructure included the equipment and laboratories needed for the sample processing. AG =  
 81 aboveground; BG = belowground.

<u>Ecosystem property</u>	<u>Equipment</u>	<u>Laboratories</u>
<u>1 Arthropod richness AG</u>	- suction sampler - binocular	- dry lab
<u>2 Taxon richness BG</u>	- soil hammer, spade - Oostenbrink elutriator (nematodes) - Berlese-Tullgren funnels (arthropods) - binocular (earthworms, arthropods) - microscope (nematodes) - centrifuge, shaker, scales, extractor hood - drying oven, refrigerator, freezer - PCR machines, spectral photometer, electrophoresis	- dry and wet labs - DNA extraction lab - PCR amplification lab - electrophoresis lab
<u>3 Plant richness</u>	---	---
<u>4 Vegetation structure</u>	---	---
<u>5 Soil heterogeneity</u>	- soil hammer, spade - centrifuge, shaker, scales, extractor hood - drying oven, refrigerator - water-resistant digital pocket thermometer - time domain reflectometer (TDR)	- dry and wet labs
<u>6 Functional diversity AG</u>	see Arthropod richness AG - shears, drying oven, scales (plant biomass)	
<u>7 Functional diversity BG</u>	see Taxon richness BG	
<u>8 Food-web complexity AG</u>	see Arthropod richness AG	
<u>9 Food-web complexity BG</u>	see Taxon richness BG	
<u>10 Soil carbon storage</u>	- soil hammer - drying oven - CN analyzer	- dry lab
<u>11 Water holding capacity</u>	- soil hammer - drying oven - water bath and sand/silt-bed drainage	- dry and wet labs
<u>12 Nutrient retention capacity</u>	- soil hammer - drying oven	- dry lab
<u>13 Soil net nitrogen mineralization</u>	- soil hammer - drying oven, refrigerator, climatic chambers	- dry and wet labs

82

83 **Table S7: Detailed description of the area of expertise needed to assess individual ecosystem**  
 84 **properties. AG = aboveground; BG = belowground.**

<u>Ecosystem property</u>	<u>Area of expertise</u>
<u>1 Arthropod richness AG</u>	- <u>identification and classification of AG arthropods (order to family level)</u>
<u>2 Taxon richness BG</u>	- <u>identification and classification of earthworms (species level)</u> - <u>identification and classification of soil arthropods (order to family level)</u> - <u>identification and classification of soil nematodes (family level)</u> - <u>interpreting metabarcoding data of soil microbes (OTU level)</u>
<u>3 Plant richness</u>	- <u>identification and classification of plants (species level)</u>
<u>4 Vegetation structure</u>	---
<u>5 Soil heterogeneity</u>	- <u>soil chemical, physical, and biogeochemical analysis</u>
<u>6 Functional diversity AG</u>	- <u>see Arthropod richness AG</u> - <u>functional classification of plant species</u> - <u>functional classification of arthropod groups</u>
<u>7 Functional diversity BG</u>	- <u>see Taxon richness BG</u> - <u>functional classification of all biotic groups studied</u>
<u>8 Food-web complexity AG</u>	- <u>see Arthropod richness AG</u> - <u>functional classification of arthropod groups</u> - <u>classification according to taxon response to increased stress or disturbance levels (SD level)</u>
<u>9 Food-web complexity BG</u>	- <u>see Taxon richness BG</u> - <u>functional classification of all biotic groups studied</u> - <u>classification according to taxon response to increased stress or disturbance levels (SD level)</u>
<u>10 Soil carbon storage</u>	---
<u>11 Water holding capacity</u>	---
<u>12 Nutrient retention capacity</u>	---
<u>13 Soil net nitrogen mineralization</u>	- <u>soil chemical and biogeochemical analysis</u>

85



86 **Table S8:** R libraries and packages used for analyses of ecosystem multifunctionality and its single  
 87 components as well as individual ecosystem properties are listed, indicating reason of analyses.

Analyses	Package	Version	Citation
Beta regression models	betareg	3.1-0	Cribari-Neto & Zeileis et al. 2010
Likelihood ration tests	lmtest	0.9-37	Zeileis & Hothorn 2002
Multiple pairwise comparison and adjustment (univariate)	emmeans	1.3.5	Lenth 2019
	rcompanion	2.2.1	Mangiafico 2019
	multcomp	1.4-10	Hothorn et al. 2008
	multcompView	0.1-7	Graves et al. 2015
Multivariate homogeneity of groups` dispersion	vegan	2.5-5	Oksanen et al. 2019
	permute	0.9-5	Simpson 2019
Strength and significance of Pearson correlation	Hmisc	4.2-0	Harrell 2019
	Formula	1.2-3	Zeileis & Croissant 2010
Exhaustive search (Regression subset selection)	leaps	3.1	Lumley 2020
Graphical presentation	ggplot2	3.1.1	Wickham 2016
	ggthemes	4.2.0	Arnold 2019
	lattice	0.20-38	Deepayan 2008
	corrplot	0.84	Wei & Simko 2017
	RColorBrewer	1.1-2	Neuwirth 2014
	factoextra	1.0.5	Kassambara & Mundt 2017

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89

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