

On-Farm effects of diverse allocation mechanisms in the Lake Rotorua catchment

Report for the Rotorua Stakeholder Advisory Group, August 2015.

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1. Executive summary

The objective of this report is to evaluate a number of proposed nitrogen (N) allocation systems for producers in the Rotorua catchment. The results of this analysis provide information about private benefits and costs in terms of farm profit (EBIT) and capital impacts on land value. The different scenarios also provide insights about resource efficiency and the ease of transfer of the entitlements to leach nitrogen that each farm could receive across these allocation mechanisms.

Context

This report is intended to provide direct information for the Rotorua Stakeholder Advisory Group (STAG) and Bay of Plenty Regional Council (BOPRC), as well as to support wider district economic modelling undertaken by Market Economics. These discrete pieces of work support the section 32 report associated with new nitrogen rules for the Lake Rotorua catchment. The project brief was developed collaboratively between BOPRC, DairyNZ, Beef + Lamb New Zealand, with input from STAG members during the latter part of 2014. Draft modelling results were presented to StAG in March, April, May, June and July 2015, and feedback was incorporated up until August 2015.

Methods

The evaluation of allocation mechanisms involves the application of a catchment-level optimisation model. The method for developing this model involved:

1. Dividing the catchment into biophysical zones based on soil type, slope and rainfall.
2. Establishing representative farm systems (dairy, sheep and beef, sheep and dairy support, and specialist dairy support) for each biophysical zone. Drystock enterprises include small, medium, and large farms.
3. Developing agreed and consistent modelling protocols to reflect how Rotorua farmers would be most likely to mitigate nitrogen losses.
4. Applying the modelling protocols to each farm system, using FARMAX and OVERSEER (version 6.1.2), to establish relationships between profit and nitrogen leaching.

5. Obtaining annualised forestry-profit information from SCION (including carbon at a price of \$4 tonne⁻¹).
6. Obtaining data on the financial costs and benefits of land-use change from Waikato Regional Council.
7. Integrating this information on profit and nitrogen leaching for individual farm types into an economic model describing the whole catchment. This model incorporates trading of N leaching rights both among farmers, and with an incentives fund that buys out nitrogen. Nitrogen prices are generated endogenously by the catchment model based on mitigation costs which drive supply and demand.

The optimisation model focuses on alternative steady-state or equilibrium outcomes. That is, it does not study the transition pathways between the current state and where alternative policy outcomes are predicted to lead. This approach is consistent with standard practice regarding the economic evaluation of alternative environmental policy instruments. Where time has a major impact on economic aspects (for example, capital impacts), results are discounted to 2015 dollar impacts.

Ownership of land is not represented within the model. Thus, any distinction between individual farms and ownership (e.g. iwi-owned property) is not made. Rather, the main building blocks are the individual zones, describing given land-uses and the biophysical conditions under which they are located (see steps 1–2 above).

Representative farm systems and mitigation protocols (each specifying the sequence of mitigation use for each farm type) were developed in workshops involving Bay of Plenty Regional Council (BOPRC) staff, DairyNZ, Beef + Lamb New Zealand, scientists, local extension agents, and agricultural consultants. Mitigation curves were not smoothed; accordingly, gaps between individual scenarios were not filled with hypothetical information. This approach was applied to ensure the maximum amount of rigor, transparency, and repeatability of the results (a full list of all input information into the economic model is provided in the Appendices).

The mitigation protocols, in most cases, result in costs arising on farms as they undertake nitrogen mitigation. This is in agreement with mainstream environmental-economics theory, but the relationship is not forced. Indeed, in some cases, increases in profit occur from

improvements in efficiency (for example, by eliminating unprofitable inputs). These “win-win” outcomes occur on a number of different individual farm types, as has been previously documented in New Zealand case studies. In general however, the scale of reductions required in the Rotorua catchment is so significant that most individual farmers experience a net cost due to mitigation.

The costs and benefits of transition from the current land use to a new one are included in the catchment model. While some transitions impose a cost to producers, de-intensification also has some benefits in that it frees up capital invested in certain fixed assets (e.g. livestock or supplier shares). Carbon liability is incorporated in the computation of transition costs, and is also factored into the profitability of the forest sector (determined by SCION) incorporated within the model at \$4 tonne⁻¹.

A number of different scenarios are analysed. This includes eight different allocation options (Table E1). These are evaluated for two levels of market efficiency for nutrient trading, and two levels of land-use change (Table E2). These scenarios are based on the needs articulated by the stakeholder group for the Lake Rotorua catchment. Market efficiency is explored through allowing free trade in entitlements and then only 50% of the optimal level; in the latter case, the remainder of the entitlements being retained by producers following allocation. Simulation of market inefficiency is consistent with experience in water quality and quantity markets where levels of rigidity are present, often due to risk aversion. The constraint on land-use change is introduced to reflect the fact that it is unlikely that the full amount of land-use change predicted by optimisation would occur in reality. This is because land-use change from pasture to forestry is tempered by factors such as the lack of an annual return, or negative impacts on land prices.

Other scenarios have been explored (e.g. greater or lesser levels of land-use change), but are omitted from this report for brevity. The predominant focus of analysis has been on the impacts on farm profit, the level of nutrient trading that occurs, and the distribution of income under different scenarios. This has been explored in considerable depth at the zone- and farm-level with stakeholders¹, but is limited to selected examples for this report.

¹ E.g. meetings of the Rotorua Stakeholder Advisory Group of 17 March, 28 April, 23 June and 21 July.

Table E1. Eight allocation options studied for the Lake Rotorua catchment.

Allocation scenario number	Allocation option
Base	Baseline
S1	Sector averaging
S2	Sector averaging with biophysical adjustment
S3	Single range
S4	Natural-capital allocation
S5	Equal allocation
S6	Range 0A
S7	Range 1
S8	Range 2

Table E2. Scenarios used to explore the relative value of each allocation option.

Catchment scenario	Description
Base	This represents the status quo.
Optimal trading, optimal land-use (Scenario #1)	A theoretical outcome of perfect efficiency for comparison.
Optimal trading, 5000 ha land-use change constraint (Scenario #2)	A scenario where not all efficient land-use change occurs due to risk-aversion by producers, but nutrient trading is efficient. Total land-use change is limited to 5000 ha.
50% trading frictions, optimal land-use change (Scenario #3)	This scenario includes optimal land-use change, but a constraint on the efficiency of nutrient trading, with 50% of allowances being retained by original holders.
50% trading frictions, 5000 ha land-use change constraint (Scenario #4)	This scenario includes a constraint on land-use change, as well as a constraint on the efficiency of nutrient trading, with 50% of allowances being retained by original holders.

Results

Overall, catchment-level impacts on total profit are modest, with slight increases for most scenarios and slight decreases for the natural-capital and equal allocation options, when these allocations are modelled with market inefficiency. However, this is distributed very unevenly across land-uses and biophysical conditions. Some enterprises experience benefits, while others face significant costs. Capital impacts on land values are significant across all land-uses. This poses particular risks in relation to the equity position of producers and their ability to manage commodity price volatility.

Several key general relationships are observed in model output. First, land-use transition is significant if cost-effective mitigation is to be attained. However, the study of land-use change in economic models of this kind is difficult, and this output is therefore subject to a range of restrictive assumptions outlined in the report. Second, nitrogen restrictions motivate deintensification of dairy production and associated support activities. Third, reducing high leaching rates involves a mixture of land-use change and on-farm mitigation. Last, inefficiency in the level of trading observed in the market for nutrient entitlements has significant impacts on the extent and distribution of farm returns. Expected values of N produced from the modelling were extrapolated to assess the likely impacts on land value associated with decreased rights to leach N.

More specifically, key impacts across all scenarios are:

1. An increase in forestry area, around 85% and 60% in Scenarios 1 and 2 (an increase from 7,095 ha to 13,085 and 11,403 ha respectively)
2. A reduction in dairying area of around 40% from 5024 to 3046 ha.
3. A reduction in sheep and dairy support area of approximately 37% from 3007 to 1900 ha.
4. Remaining dairy farm types must purchase N in order to remain viable. Changes to the allocation vary the costs for these farms, but not the optimal-management regime.
5. Lower-intensity dairy-support options involve substantial scope for de-intensification at reasonable cost, though this is balanced by relatively high capital impacts.
6. The profit of many drystock enterprises benefits from a capacity to increase their nitrogen use efficiency and sell entitlements to dairy farms and the incentives fund.

7. The impacts on land prices from reducing nitrogen-leaching entitlements are significant for both drystock and dairy farms. Profit data and regional analysis masks significant risk to existing farm businesses and potential for adverse social impacts as a result of negative equity positions.
8. A significant reduction in cow number, nitrogen fertiliser application, supplement use, and farm labour, with each effect likely to have regional implications.
9. Changes in the efficiency of land-use change or nutrient trading have large implications for the overall cost.

Results show a modest overall impact on total catchment profit. However, the impacts on profit are distributed unevenly across sectors, land-uses, and biophysical zones. Different allocation regimes create further variation in this distribution of cost. In general, drystock farm profits benefit from the ability to sell N (to businesses with higher profit per kilogram of N and the incentives fund). Dairy farm profits fall due to the need to acquire N in order to continue operating. Under allocations with more redistribution (such as equal allocation and natural-capital systems), dairy farm profits fall further, but drystock profits are not correspondingly improved. This is due to a large number of allowances being transferred from dairy farms to foresters under these regimes, rather than other pastoral uses. Allocation regimes which require a large amount of redistribution also result in increases in the N price, due to greater dependence on trading and increased market demand.

Pastoral farming profit within the catchment is reduced by around 5% in both land-use scenarios when a 50% trading friction is introduced to the model. Trading rigidities in the market have significant implications for the price of N, increasing the price for perpetual allowances from around \$118 and \$60 kg N⁻¹ in the 5000 ha limited and unlimited land-use change scenarios, to around \$444 (up to \$551 for natural-capital allocation). This higher price reflects an increased scarcity of nutrient entitlements in the market and is consistent with economic theory. This highlights that practices to pragmatically address rigidities in the market for nitrogen-leaching entitlements in the Lake Rotorua catchment will have direct benefits for increasing the amount of nitrogen that could be purchased by the incentive fund, while also reducing on-farm costs through promoting more cost-effective nutrient mitigation.

Likely capital impacts due to the change of rights in land are large, particularly when market frictions are considered. The capital costs on farms range from \$2.5m to \$18.4m under the range scenarios (S6–S8 in Table E1), to \$22.9m under natural-capital allocation. Capital

impacts are larger on dairy farms under all scenarios. The natural-capital allocation results in the majority of capital impacts falling on dairy and dairy support farms (\$6,906 and \$1,449 per hectare, respectively), with large gains to forestry owners relative to the current rules (\$2,413 per hectare). Smaller capital costs occur for sheep and dairy and sheep and beef farms (\$201 and \$405).

The Range allocation scenario still produces higher capital costs for dairy farms (\$2,357 per hectare) than other land-uses, due to the higher percentage clawbacks proposed for these land uses by the Stakeholder Advisory Group, relative to drystock. Dairy support, sheep and dairy, and sheep and beef experience costs of \$1,074, \$401, and \$585 per hectare, respectively. Due to the fact that the range scenario does not allocate additional nutrients to forestry, there is no change for this sector relative to the current regulatory environment under Rule 11.

While the impacts on dairy capital value are higher (even in a proportional sense), it is important to recognise that the estimated capital impacts of Rule 11 are higher for drystock farms and the impacts of new rules are in addition to this. These capital impacts are of significant concern due to the possibility of debt exceeding equity for some farms in the catchment, creating significant social disruption.

2. Introduction

The Bay of Plenty Regional Council (BOPRC) is seeking to improve water quality in Lake Rotorua through restricting diffuse discharges of nitrogen (N) from agricultural land. Through the Bay of Plenty Regional Policy Statement (BOPRPS), the Regional Council has set a nitrogen (N) limit for Lake Rotorua of 435 t N per year. To achieve this, the estimated total reduction is 320 t N per year, with about 270 t N per year expected to come from reducing nitrogen loss from the pastoral sector. A stakeholder group has been appointed to guide the development of an appropriate method to limit these discharges, based around the development of a trading scheme and associated system to allocate nutrient-loss entitlements among farmers in the catchment. This study is a joint effort between BOPRC, DairyNZ, and Beef + Lamb New Zealand and seeks to inform the stakeholder group about the potential economic implications of proposed approaches.

The primary objective of this analysis is to evaluate a number of proposed systems regarding the allocation of entitlements to leach nitrogen among commercial farmers within the catchment of Lake Rotorua. A particular focus of the study is the Range 2 scenario that has been selected by the stakeholder group as their preferred management option. Under the Regional Policy Statement, the BOPRC must consider a range of principles and considerations. The results of this analysis contribute to knowledge about private benefits and costs, resource efficiency, and the ease of transfer of the allocation. Some analysis of likely impacts on capital values and equity are inferred from analysis of profit and nitrogen-pricing data. Key factors included are the consideration of the impact of trade in nutrient entitlements, diverse allocation instruments, and the consideration of transition costs between alternative land-use activities, all of which are important examples of how alternative policies could potentially impact capital investment. It is anticipated that the results of the analysis will contribute to the recommendations on allocation the Stakeholder Advisory Group make to Council.

The evaluation of the diverse allocation mechanisms involves the application of a catchment-level economic model that integrates important information outlining the relative cost of reducing nitrogen loss to water across the diverse land-uses and natural characteristics of the land (defined in this study using parcels that are a combination of slope, soil type, and rainfall characteristics) present in the Lake Rotorua catchment. Thus, a parcel is a given area of land

(defined in ha) associated with a given land-use and the slope, soil type, and rainfall characteristics of that given area.

The catchment-level model is based on the Land Allocation and Management (LAM) framework broadly applied throughout Australasia to evaluate the impact of diverse policy mechanisms on water quality and economic outcomes (Doole, 2015). This framework involves the use of nonlinear programming (Bazaraa et al., 2006) to identify how land-use and farm management will have to change to achieve water-quality aspirations, while analysing how different allocation systems impact the distribution of income across sectors.

The report is structured as follows. The next section outlines the justification for the selected method, describes the key input data, and the scenarios that are evaluated. Section 4 outlines the results of the empirical-modelling process, and discusses the key points in the context of the project. Section 5 concludes. A series of appendices outline key input information used within the model.

3. Methods

3.1 Catchment optimisation model

This section outlines the economic modelling approach employed in this analysis (though further detail is provided regarding the choice of approach in Appendix 2). The model is an optimisation model; that is, an iterative search process is employed to identify how different management activities must change from their current level to minimise the cost incurred by a change in the management environment (e.g. as experienced with the introduction of an N limit). This catchment model integrates economic and land use information across the catchment and optimises levels of mitigation for each farm type (outlined further in section 3.2). In line with the policy scenario that is proposed, trading of N leaching rights is enabled among farms, which generates a price for N in the model based on market supply and demand.

The model used here is a special type of optimisation model, involving a method known as nonlinear programming (Bazaraa et al., 2006). This generally involves the definition of a model in which both the profit specification and constraints contain nonlinear expressions. Solution of this model outlines how land-use and land management must change under different circumstances to mitigate nitrogen loss at least cost. Its structure is loosely based on

that of the Land Allocation and Management (LAM) catchment framework (Doole, 2015). The flexibility of this model is demonstrated in its broad utilisation across a number of nonpoint-pollution contexts, both nationally (Doole, 2013; Howard et al., 2013; Holland and Doole, 2014) and internationally (Beverly et al., 2013; Doole et al., 2013a).

Optimisation of the economic model identifies the values for decision variables that maximises the total profit earned on farms across the catchment, subject to the constraints defined in the model. The primary decision variables in the model are those representing the area (ha) allocated to each management option within each land-use in each zone. Primary constraints are those limiting the land-use in a given zone to the area available within that spatial area. Total profit is determined through multiplication of the area of each land-use option employed and its associated level of profit per ha. The total nitrogen load is computed through the multiplication of the area of each land-use option employed and the nitrogen leaching load per ha associated with each management option. With the introduction of a limit on nitrogen leaching, the area of each land-use utilised for a mitigation option, rather than a baseline (current) management option, will typically increase. This will concomitantly reduce nitrogen loss from that land area, but also increase/decrease profit. In some cases, it may be more cost-effective to change land-use away from the current land-use, in order to achieve a given nitrogen-leaching target at the catchment level. In this model, the limit for leaching is implemented through the representation of permits required for representative farms to leach, which are allocated among the population according to diverse systems (see below).

The optimisation model focuses on alternative steady-state or equilibrium outcomes. That is, it does not study the transition pathways between the current state and where alternative policy outcomes are predicted to lead. Indeed, it focuses solely on characterising just the equilibria themselves. This approach is consistent with standard practice regarding the economic evaluation of alternative environmental policy instruments (e.g. Hanley et al., 2007; Daigneault et al., 2012; Doole, 2013). It is possible to incorporate the study of temporal processes, such that the time path of adaptation practices can be characterised and then considered during evaluation (Pindyck, 2007). However, this is rare in practice, especially in the evaluation of regional policy, because (a) there is little empirical work available that characterises how farmers in the Lake Rotorua catchment would be expected to adapt to limits, (b) the scarcity of data is compounded when variation over time in key drivers of

management behaviour (e.g. output price, input price, productivity, climate, innovation) is high and difficult to predict, (c) dynamic models are difficult to develop and utilise (Doole and Pannell, 2008), and (d) output from dynamic models is heavily biased by the initial and terminal conditions defined during model formulation (Klein-Haneveld and Stegeman, 2005). Overall, these issues provide a strong justification for the employment of a steady-state modelling framework.

Alternative approaches for the economic evaluation of environmental policy instruments exist and evaluation of these approaches is contained in Appendix 6.

3.2 Input data

This section outlines the input data used within this application of the LAM model to the Lake Rotorua catchment. Further detail is provided in Appendix 5. Some input data involves capital expenditures; for example, the sale or purchase of breeding stock. These capital expenditures are annualised using an 8% interest rate over a 25-year period.

Representative farm types

The catchment is divided into a large number of spatial zones depending upon soil type, slope, and rainfall level (Table 1). These spatial zones are then partitioned according to the current type of land-use that is present; constituent land-uses are defined as dairy, dairy support, sheep and beef, sheep and dairy, and forestry enterprises. Deer enterprises are omitted due to them constituting a relatively small area of the catchment. Indeed, the added complexity involved with their inclusion is deemed to outweigh the added richness accruing to a more nuanced description of regional environmental and economic outcomes. The appropriate number and nature of the zones, as well as the farm types necessary to represent them, was determined through workshops involving experts from local farm consultancies, BOPRC, Beef + Lamb New Zealand, and DairyNZ.

For drystock farming, the size of farms was identified as critical to determining productivity and the most appropriate farm system description. For this reason, three different sizes of drystock farm were included: small (2-40ha), medium (40-300ha), and large (>300ha) farms. A large proportion (40-50%) of the drystock-farming area is encompassed in a small number of large farms. These are generally the most economic units, operating at (or with potential to operate at) Beef + Lamb New Zealand Class 4 or 5 in terms of intensity. Typically these

are 50/50 sheep/cattle operations with a breeding-ewe flock (lambing at 130-140%), combined with either the trading of beef cattle or the existence of a dairy support activity. Medium-size drystock farms tend to be centred on beef, dairy support, and cropping and/or baleage production (with some outliers involving deer and breeding ewes). About half of these blocks of land are leased by dairy farmers as runoffs and most require less than 1 fulltime equivalent (FTE) of labour. In general, these are similar to large drystock farms in terms of management options, but on average will perform with slightly lower profit per hectare due to scale, productivity, and management constraints.

The Rotorua catchment has a large number of small blocks under 40ha. Though individual small blocks do not contribute much to the total nitrogen load to the lake, some uses are relatively intensive and in sum cover a large area, contributing an estimated 138 tonnes of nitrogen, according to ROTAN. Small blocks are extremely diverse and include lease blocks, dairy support, drystock, cropping, and lifestyle. Sheep are rare due to the lack of appropriate infrastructure. Some small blocks are run quite intensively (e.g. break-feeding and feeding out with dairy cows over winter). The majority of these are located on pumice soils on flat land close to the lake. Small blocks have limited mitigation options and limited land-use change options (for example, forestry is unlikely to be economic at this scale). Because of this, small blocks are represented as low-productivity drystock farms, but are constrained within the catchment model to prevent unrealistic land-use change to forestry or sheep enterprises. Due to the optimisation approach adopted in this study, values that do not impact on the profitability of businesses – such as those associated with lifestyle or aesthetic preferences – cannot be incorporated directly. However, the constraints to land-use change and trading used in the catchment scenarios indirectly represent these non-economic preferences.

The majority of dairy farms in the Rotorua catchment are located in the higher-rainfall areas with podzol and pumice soil types. Dairy systems in the catchment are relatively similar in terms of policies for wintering and young stock. However, feeding regimes and cost structures tend to vary around the catchment, according to the amount of home-grown feed that can be produced. This loosely correlates to the spatial zones incorporated in the model (see below for more information).

Ownership of land is not represented within the model. Thus, any distinction between individual farms and ownership (e.g. iwi-owned property) is not made. Rather, the main

building block of the analysis is the individual zones, describing individual land-uses and the biophysical characteristics in which they are located, that are delineated within the catchment. Individual zones are identified using Geographic Information Systems. This process involves the consideration of catchment boundary, rainfall, soil type, and slope (Table 1). Small areas are aggregated in some instances, to sharpen the focus of the analysis on the key areas located within the study area.

Table 1. Size (ha) of each soil type, slope class, and rainfall zone used to characterise the Lake Rotorua catchment under current land use.

Soil type¹	Rainfall (mm)	Slope (degrees)	Forestry	Dairy support	Dairy	Sheep and beef	Sheep & dairy	TOTAL
Al	LT1500	0-8	109	0	0	31	14	154
Al	LT1500	8-16	33	0	0	10	5	48
Al	LT1500	16-26	35	0	0	11	5	50
Al	LT1500	>26	32	0	0	14	6	52
Al	1500-1700	0-8	652	37	288	439	197	1612
Al	1500-1700	8-16	476	31	140	254	114	1015
Al	1500-1700	16-26	452	24	73	188	85	821
Al	1500-1700	>26	275	8	15	101	46	446
Al	1700-2000	0-8	6	13	0	118	53	190
Al	1700-2000	8-16	8	11	0	97	43	159
Al	1700-2000	16-26	12	8	0	72	32	123
Al	1700-2000	>26	14	3	0	24	11	52
Al	GT2000	0-8	0	0	0	6	3	9
Al	GT2000	8-16	0	0	0	6	3	9
Al	GT2000	16-26	0	0	0	4	2	7
Al	GT2000	>26	0	0	0	1	1	2
Po	1500-1700	0-8	13	16	14	98	44	185
Po	1500-1700	8-16	18	17	5	116	52	209
Po	1500-1700	16-26	20	12	2	97	44	174
Po	1500-1700	>26	29	3	1	38	17	89
Po	1700-	0-8	499	49	0	277	125	950

	2000							
Po	1700-2000	8-16	291	30	0	235	106	663
Po	1700-2000	16-26	150	15	0	181	82	428
Po	1700-2000	>26	56	10	0	109	49	224
Po	GT2000	other	183	0	0	56	25	265
Po	GT2000	0-8	1099	465	1852	667	300	4383
Po	GT2000	8-16	367	190	604	238	107	1506
Po	GT2000	16-26	219	86	230	151	68	754
Po	GT2000	>26	110	27	46	79	36	298
Pu	LT1500	0-8	1	10	0	101	45	157
Pu	LT1500	8-16	3	0	0	61	27	91
Pu	LT1500	16-26	4	0	0	46	21	71
Pu	LT1500	>26	3	0	0	23	10	36
Pu	1500-1700	0-8	225	15	24	223	100	587
Pu	1500-1700	8-16	283	14	13	132	60	502
Pu	1500-1700	16-26	317	8	4	100	45	474
Pu	1500-1700	>26	226	2	0	50	23	302
Pu	1700-2000	0-8	50	68	276	345	155	894
Pu	1700-2000	8-16	31	33	143	140	63	409
Pu	1700-2000	16-26	38	19	84	80	36	256
Pu	1700-2000	>26	21	7	28	22	10	89
Pu	GT2000	0-8	36	57	560	401	180	1235
Pu	GT2000	8-16	18	20	206	186	84	513
Pu	GT2000	16-26	19	10	88	101	46	264
Pu	GT2000	>26	15	3	28	37	17	100
Re	LT1500	0-8	19	8	211	226	102	565
Re	LT1500	8-16	31	0	49	111	50	240
Re	LT1500	16-26	36	0	27	114	51	228
Re	LT1500	>26	41		12	53	24	129
Re	1500-1700	0-8	71	12	0	63	28	175
Re	1500-1700	8-16	122	10	0	104	47	282
Re	1500-1700	16-26	166	5	0	118	53	343
Re	1500-1700	>26	148	1	0	41	18	208
Re	1700-2000	0-8	7	0	0	13	6	26

Re	1700-2000	8-16	1	0	0	6	3	10
Re	1700-2000	16-26	0	0	0	3	1	5
Re	1700-2000	>26	0	0	0	0	0	0
Re	GT2000	0-8	3	0	0	0	0	3
Re	GT2000	8-16	0	0	0	0	0	0
Re	GT2000	16-26	0	0	0	0	0	0
Re	GT2000	>26	0	0	0	0	0	0
Or	LT1500	0-8	0	0	0	32	14	46
Or	LT1500	8-16	0	0	0	0	0	0
Or	LT1500	16-26	0	0	0	0	0	0
Or	1500-1700	0-8	0	0	0	32	14	46
Or	1500-1700	8-16	0	0	0	0	0	0
Or	1500-1700	16-26	0	0	0	0	0	0
TOTAL			7095	1358	5024	6682	3007	23166

¹ The soil classes are Al = allophanic, Po = podzol, Pu = pumice, Re = recent, Or = organic. Very small areas of “Other” are not included in the table.

Estimating mitigation costs for each farm type

The cost of reducing N loss from each land-use in each spatial zone is then evaluated for representative farms, which are developed according to knowledge of typical practice in each of these spatial zones. A representative farm for each relevant land-use is used for each parcel, based on the observation of typical characteristics of farms within each zone. This action is performed by Lee Matheson (Director, Perrin Ag). The current organisation of each of these farms—as indicated by measures such as production, stocking rate, enterprise mix, fertiliser use, level of imported feed, level of winter cropping, and levels of different types of revenue and cost—is referred to as the *baseline situation* throughout this report.

A baseline FARMAX (Bryant et al., 2010; White et al., 2010) file is created utilising the baseline physical and financial data defined for the dairy and drystock farm systems that represent each zone. OVERSEER (Version 6.1.2) and FARMAX are then used simultaneously to evaluate a number of alternative means for each farm to mitigate nitrogen. The aim of this exercise is to delineate a relationship (i.e. a mitigation-cost curve) between the level of abatement of nitrogen loss and the economic benefit/cost associated with this action for each farm operation. These cost curves are an integral input to the catchment-level

model that seeks to identify how the economic impacts of given allocation systems on farms can be minimised across the catchment. The dual use of these two programs (FARMAX and OVERSEER) is necessary because FARMAX allows the user to ensure that energy requirements are met for stock and the impact of mitigation options on farm financial records is clear, while OVERSEER allows the impact of disparate mitigation options on nitrogen loss to be modelled.

FARMAX is the leading software product in New Zealand utilised for evaluating alternative management systems in pastoral farming. It has been extensively applied and validated under New Zealand conditions (e.g. Bryant et al., 2010), and is broadly-used for extension (e.g. PAC, 2014) and research (e.g. Li et al., 2012) purposes. FARMAX provides a consistent benchmark for estimating profitability across the dairy, dairy support, and drystock enterprises. As a simulation model, it does not endogenously identify the management system that maximises profit within a given scenario, such as one involving a certain level of use of a given mitigation or requiring a given level of reduction in leaching to be achieved (Doole, 2015). Accordingly, the personal preferences and experience of the user are likely to have a significant impact on the quality of model output. For this reason, the FARMAX simulations that were undertaken across all enterprises were guided by the application of mitigation protocols (see below), developed before the modelling took place through workshops involving extension agents and scientists. This was deemed to be a more rigorous process than employing optimisation models to identify these relationships, despite the capacity of optimisation models to more efficiently identify those management plans that maximise farm profit in a given set of circumstances (Doole, 2014, 2015). This decision is appropriate because the protocols can be used to ensure that the simulated producer response is in line with expectations regarding the response of real farmers to the imposition of limits. This is in contrast to optimisation models, in which management plans can change drastically and be inconsistent with expected responses, even if such actions are converse to intuition because the model has not been calibrated accurately. Moreover, it is consistent with significant doubts raised with the ability of commercial linear-programming models to adequately describe New Zealand grazing systems (Doole et al., 2013b) and their much lower use in industry, compared with FARMAX.

The OVERSEER model is employed to estimate the nitrogen-leaching loads associated with different enterprises. It is the leading software used to identify the implications of alternative

management strategies for nitrate-leaching loads in New Zealand farming systems (Doole and Paragahawewa, 2011). Hence, it is extensively used for this purpose. In particular, it is widely applied for extension (PAC, 2014, 2015) and research (Doole and Pannell, 2011) purposes. Cichota and Snow (2009, p. 243) highlight that, “it is well suited for handling management practices and environmental conditions particular to New Zealand”. Extensive validation of OVERSEER has occurred (Shepherd and Wheeler, 2012).

Mitigation protocols

A structured means to identify alternative mitigation practices is employed. Such mitigation protocols have been used in previous studies (e.g. DairyNZ Economics Group, 2014) to allow broad peer review of the selected strategies and coherent and consistent generation of mitigation-cost curves, which is particularly important when diverse consultants are used to estimate these curves for different industries (Doole, 2013). The mitigation protocols described what, when, and to what degree different mitigation options were enacted on each farm, so that all farms generally followed the same overall process. Nonetheless, there were subtle differences in mitigation use between farms, due to disparities in their individual characteristics. There, the process relied on the expertise of the consultant and their knowledge of the area.

Modelling of dairy-farm profit and leaching under different mitigation scenarios is undertaken using the following modelling protocol, set out in Figure 1.

1st stage: Maintain stocking rate and production through substitution with supplements.

- a) Utilise a stand-off pad if it exists on the farm already. Hold supplement and production level constant at the current level. The grazing time will be maintained to above 8–10 hours per day; thus, it can be assumed that pasture intake remains more or less constant (Doole et al., 2013b).
- b) Remove summer crop (turnips) and replace these with supplements. This will have a substantial benefit for leaching and is easier logistically on-farm than removing a winter crop.
- c) Reduce autumn N fertiliser application and replace with lower-protein feed. Palm Kernel Expeller (PKE) has lower protein than pasture, and maize silage is a good available option in April and May, especially as it has very low protein. Use low protein feed to slow down the grazing round heading into winter.

- d) Culling early. Cut feed input as demand decreases. Cut PKE demand in late summer/early autumn through strategic culling. Get 10% of cows off in early February, and 10% of cows off in early March.
- e) Replace high-nitrogen supplements with low-nitrogen supplements. Maize silage is typically not used in January–March, as it is difficult for many farmers to carry it through from the previous year.

2nd stage: Allow production decreases.

- a) Reduce stocking rate and/or production until it is consistent with the new feed profile. Alternate between removing supplement and N fertiliser, first taking out autumn use and then spring use. Pull out autumn feed and N application first, as conversion into milk is lower at this stage (because cows are producing at the tail end of their lactation curve) and the contribution to leaching is more pronounced.
- b) Take out supplement and N fertiliser use in stages, starting with the supplement that has the lowest impact on profit. Decrease stocking rate as feed is extracted from feed gaps. N application is very cost-effective as a source of additional feed, so it should not be decreased right away. Use a 20% reduction in supplement as the maximum that a farm can employ, given a restriction to stay at its current broad level of intensity.
- c) Retire marginal land and decrease stocking rate.

These runs are replicated with the inclusion of a stand-off pad, where one does not exist currently. A barn option is not considered as this requires a change in management style and the cost is too high to warrant its broad adoption (Doole, 2014).

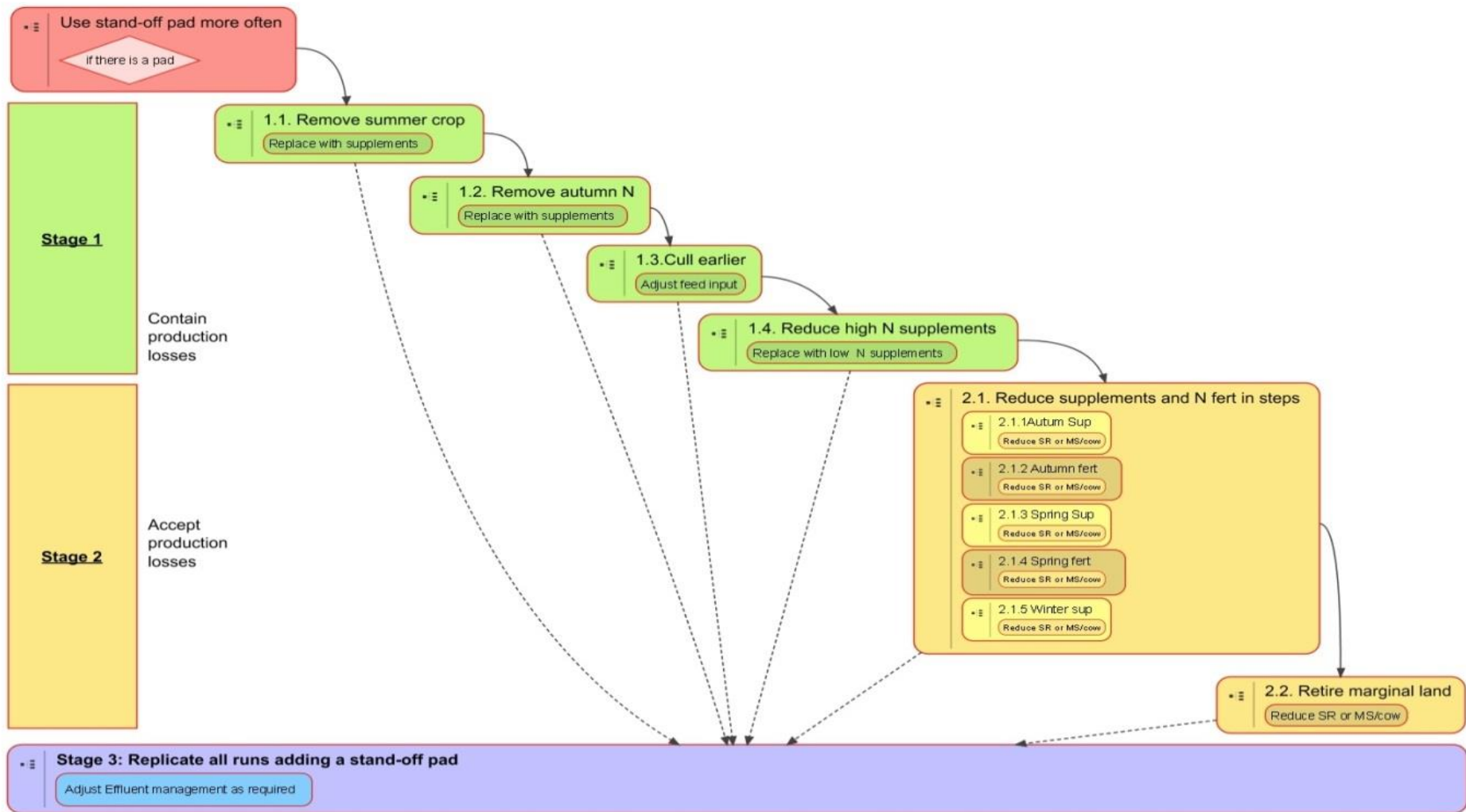
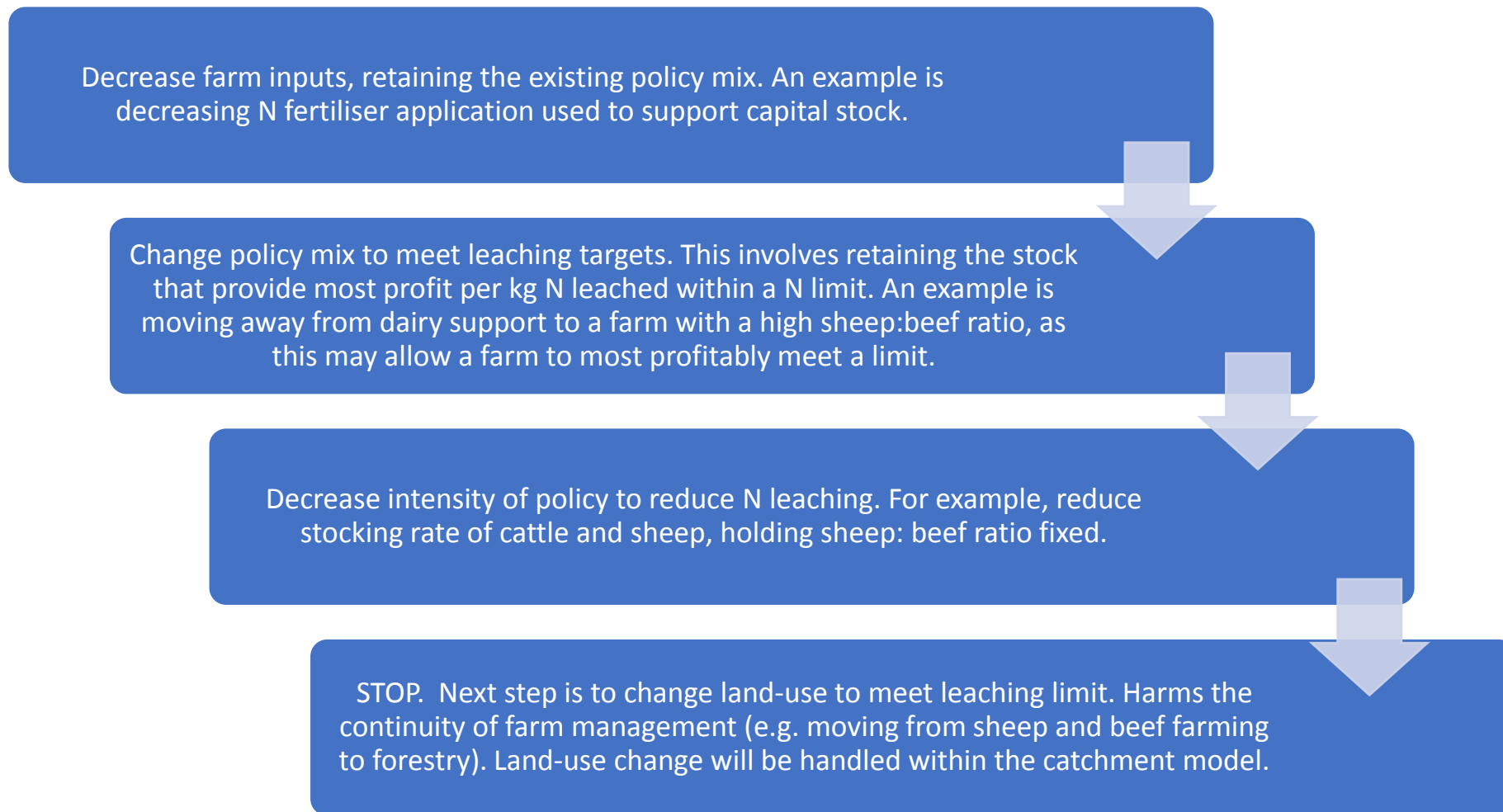


Figure 1. Mitigation protocol employed to assess the cost of reducing N leaching from Rotorua dairy farms.

In comparison, modelling of drystock farm profit and leaching under different scenarios is undertaken using the modelling protocol shown in Figure 2. The order of use for different mitigations within this protocol is:

- a) Reduce N fertiliser application that supports the maintenance of capital stock.
- b) Reduce winter cropping, ensuring this does not undermine the viability of the dairy-support enterprise, if one exists.
- c) Lamb hoggets and decrease ewe numbers.
- d) Decrease young dairy stock. Run bulls and steers instead.
- e) Take out dairy-support activity. Increase the stocking rate of existing stock.
- f) Graze off hoggets. Increase feed to ewes and other stock, though this could decrease productivity on the grazing block.
- g) Increase the percentage of sheep on farm.
- h) Adopt land-use change. (This is actually studied utilising the catchment model, and not on an individual farm basis. This was deemed to be more appropriate since a key element of a catchment model is its ability to determine land-use allocation based on the relative profitability of different enterprises.)

The diversity of drystock systems makes it difficult to apply this protocol consistently. Thus, the goal of the exercise, in contrast to the dairy-modelling protocol, was to instead establish a generic protocol that could be employed as a foundation for the development of a relevant procedure for modelling mitigation in each representative drystock farm. For any of the steps within the generic protocol depicted in Figure 2, productivity increases were only assumed when they reflected changes in feed available per animal, not when they implied non-trivial increases in management skills, consistent with the work of PAC (2015).



1

2 **Figure 2.** Mitigation protocol employed to assess the cost of reducing N leaching from Rotorua drystock farms.

Abatement curves

The curvature of the relationship between nitrogen loss and profit for each land-use is a critical part of the economic model used for the evaluation of different allocation mechanisms. The mitigation protocols, in most cases, generate abatement-cost curves that are upward sloping (i.e. abatement imposes a cost on farmers). This is in direct agreement with mainstream environmental-economics theory (Hanley et al., 2007). However, this relationship is not forced and in some cases profit is increased and contaminant loss is reduced. Such outcomes are referred to colloquially as “win-win” options and mostly correspond to improvements in the efficiency associated with nutrient use (Doole and Kingwell, 2015). This is in line with a number of New Zealand case studies on New Zealand pastoral farms (AgFirst, 2009; Doole, 2012; Ridler et al., 2014; Doole and Kingwell, 2015). Efficiency gains may be achieved either through farm system improvement (such as the elimination of unprofitable or excessive inputs), or through increased management skill and productivity.

Within output from the farm modelling undertaken for this study, win-win outcomes driven through the elimination of unprofitable input use on some farms are identified for some reductions in N loss. For example, from the mitigation-cost curves developed in the context of this study, there is capacity to increase profit by around \$50 ha⁻¹ and reduce leaching by around 8 kg N ha⁻¹ on drystock farms on allophanic soils, through reducing applied nitrogen. Further examples are discussed below, in the context of Figures 3 and 4. However, the scale of such gains is predominantly limited. Indeed, nitrogen reductions of the scale required by the policy framework that is being modelled are beyond what could be achieved without imposing cost on at least some farmers in the catchment.

Overall, we do not assume additional efficiency gains through widespread increased productivity and management skill. There are several additional reasons to justify this approach generally in the context of this study:

- a) Representative farms are developed to describe average farmers within a population. This reduces any bias associated with the delineation of producers that are above or below industry average. Adoption rates for innovations that achieve win-win solutions—such as efficiency improvements—are more common among top farmers (Rogers, 1995). There remains a clear lack of empirical evidence surrounding the

capacity of win-win management options to spread/diffuse across a population of producers with diverse biophysical assets and management skill.

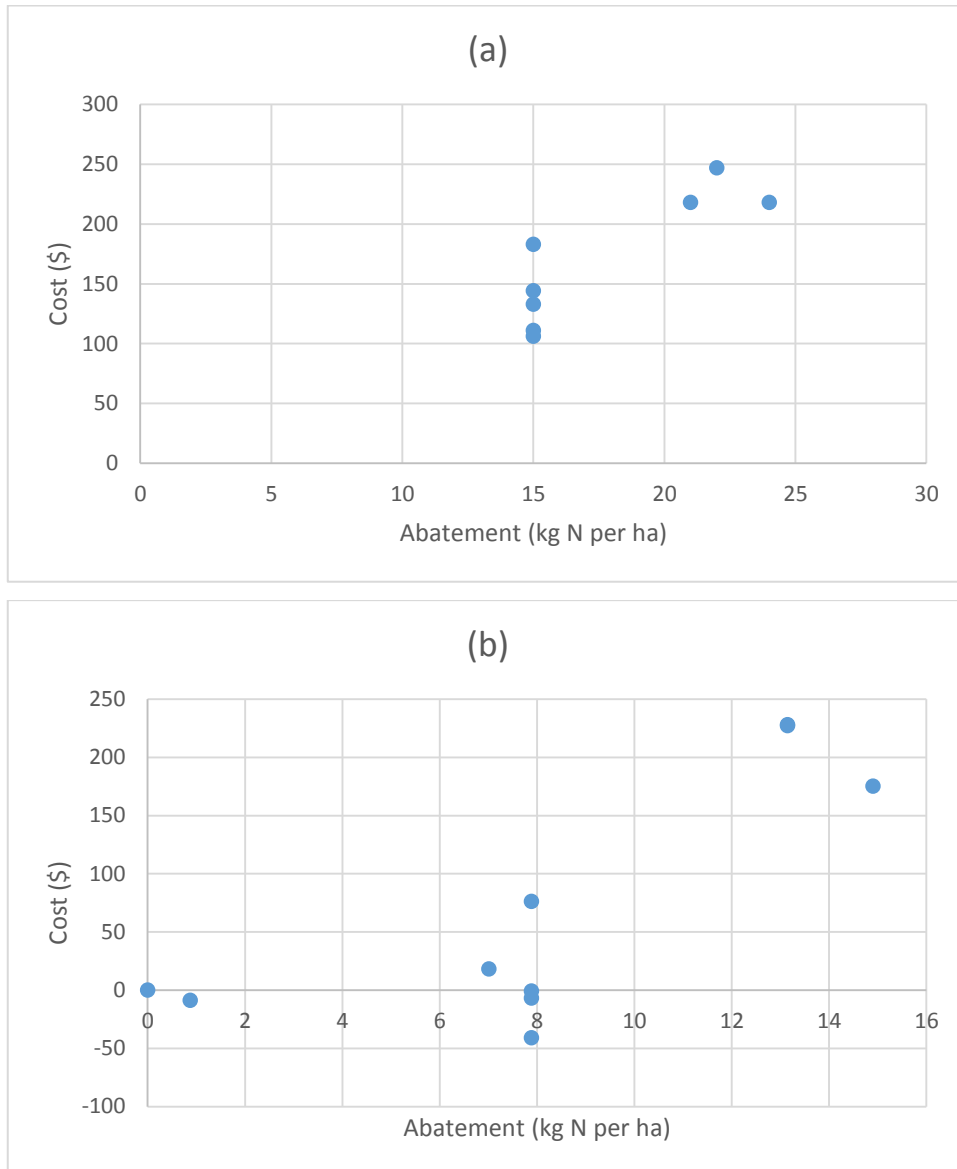
- b) Win-win outcomes have been identified using financial modelling (e.g. AgFirst, 2009; Ridler et al., 2014), but the true extent of their actual uptake is primarily constrained by factors that are not considered during standard financial evaluations. Such barriers can be related to risk, uncertainty, adjustment costs, system impacts, incompatibility with lifestyle and values, and complexity (Pannell et al., 2006, 2014). Additionally, some managers are unwilling to deviate from established management plans, given a strong drive to repeat learned actions, even in the presence of new opportunities or constraints (Gonzalez and Dutt, 2011). This is identified in the case of water quality improvement in New Zealand by AgFirst (2010), who found that the adoption of win-win solutions identified in AgFirst (2009) was marred in several circumstances because of risk aversion and perceived limitations in the economic assessment of these practices (AgFirst, 2010).
- c) Broad evidence of win-win solutions in grazed dairy systems arises from linear-programming models of these enterprises (e.g. Doole, 2010; Ridler et al., 2014). These linear-programming models provide a very coarse and restrictive description of grazed dairy systems due to their high level of linearity. For example, the linear-programming frameworks utilised by these authors assume fixed pasture growth and quality, constant cow intake, and represent no endogenous feedback between stocking rate, herbage allowance, and pasture utilisation. These simplified assumptions greatly reduce the complexity of the model, allowing it to be developed and solved much more easily. Nevertheless, linear-programming frameworks of grazed dairy systems have been shown to provide inaccurate predictions of how these systems behave in reality, given these simplifying assumptions (Doole et al., 2013b).

The alternative mitigation strategies represented in the model are outlined in the data provided by Perrin Ag. These results are summarised for dairy (Appendix 1), sheep and beef (Appendix 2), sheep and dairy support (Appendix 3), and dairy support (Appendix 4) in the appendices accompanying this report. Due to privacy requirements, raw data for forestry are not presented. Methods and assumptions are outlined in Appendix 5.

Mitigation-cost relationships are shown for two dairy farms—one on allophanic soils (Figure 3a) and the other on pumice soils (Figure 3b)—in Figure 3. These farms are both on slope

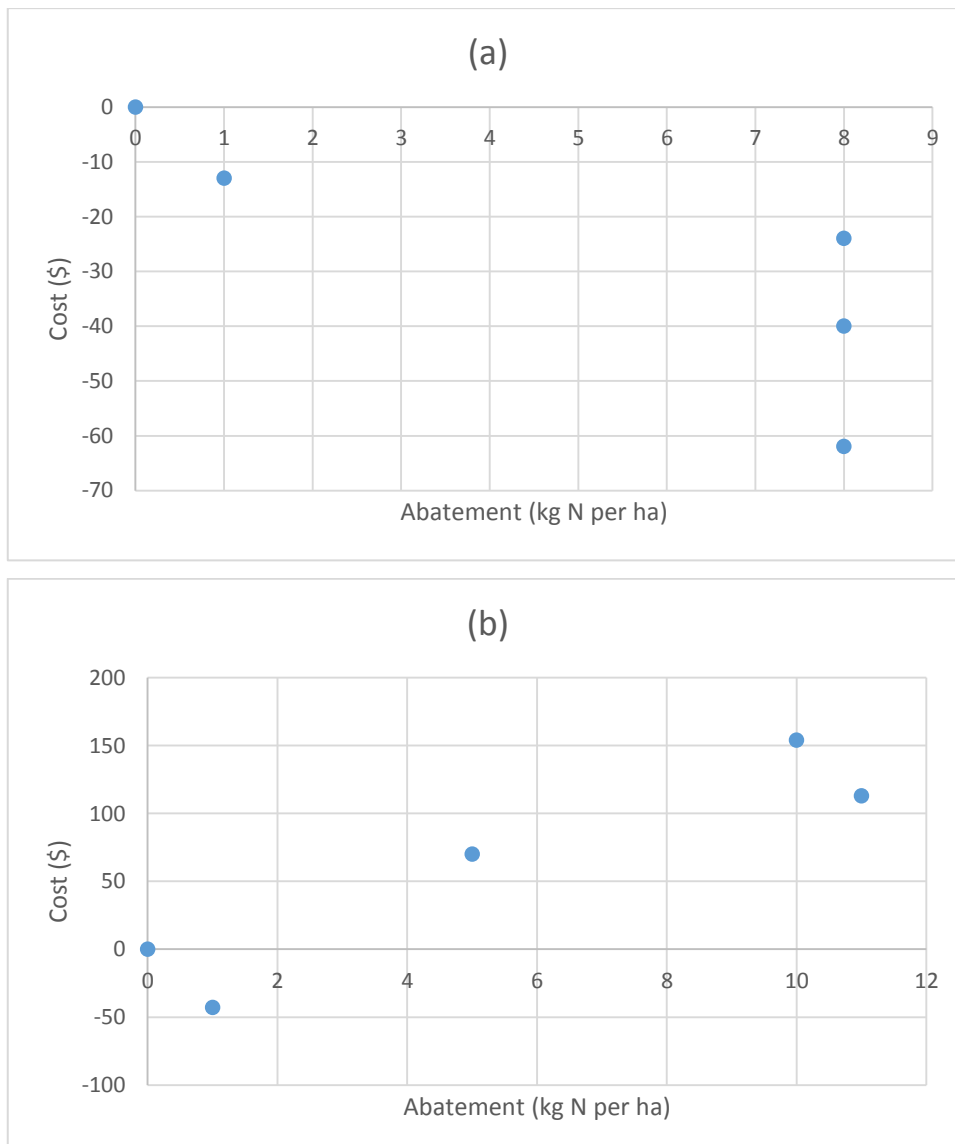
classes of 0–8 degrees and have an annual rainfall of 1500–1700 mm. A single spatial zone is focused on to provide a better basis for comparison. Indeed, it is a feature of reality, the input data, and the catchment-level model that mitigation-cost relationships will typically differ according to slope and annual rainfall. It can be seen that there is broad diversity in the estimated cost of different abatement options (Figure 3); mitigation cost generally increases with the level of abatement, but there are also some options that impose win-win outcomes on the pumice soil (Figure 3b). Nevertheless, a key difference is the level of abatement achieved on the allophanic soil as the mitigation protocol is applied; comparison of Figure 3a and 3b demonstrating that a number of the levels of abatement shown on the allophanic soil are substantially higher than those shown for the pumice soil.

Figure 3. The relationship between abatement cost (dollars per ha) and level of mitigation (kg N per ha) for two dairy farms on (a) allophanic soils, and (b) pumice soils. Both are on slope classes of 0–8 degrees and have an annual rainfall of 1500–1700 mm. Points further to the right indicate a greater reduction in nitrogen leaching. Points higher up indicate greater costs for each farm.



In contrast, Figure 4 presents examples of abatement-cost relationships for two sheep and beef farms (one on allophanic soils and the other on pumice soils). These farms are both on slope classes of 0–8 degrees and have an annual rainfall of 1500–1700 mm (the same spatial zone that the dairy farms in Figure 3 are located on). It can be seen that the farm on allophanic soils (Figure 4a) experiences an increase in profit (i.e. a negative cost) as N leaching is reduced, mainly through reducing the level of N fertiliser application used to support capital stock. In comparison, the cost of mitigation rises significantly on the farm on pumice soils as abatement increases.

Figure 4. The relationship between abatement cost (dollars per ha) and level of mitigation (kg N per ha) for two sheep and beef farms on (a) allophanic soils and (b) pumice soils. Both are on slope classes of 0–8 degrees and have an annual rainfall of 1500–1700 mm.



Both Figure 3 and Figure 4 show the discrete nature of the mitigation scenarios that were modelled. Standard economic analysis (e.g. Doole, 2012) typically involves the employment of continuous (i.e. smooth) abatement-cost curves to represent the relationship between leaching and farm profit. However, the discrete points generated by Lee Matheson in this study were not transformed into continuous relationships through the statistical estimation of abatement-cost relationships based on the raw data provided. This is consistent with standard practice (Doole, 2013, 2015), given that such smooth relationships are difficult to estimate using a valid statistical methodology because of low sample sizes and also because it makes it more difficult to establish the relationship between mitigation level and other aspects of farm management that change with abatement (e.g. labour use and fertiliser level). The latter is a problem, because the estimation of smooth relationships allows intermediate abatement points to be utilised, for which primary data (e.g. labour use, as stated above) does not exist.

Transitions costs and benefits

Transition costs are associated with changing from one land-use to another. These are estimated and incorporated, so that each land-use change that occurs bears the costs that are typically associated with such activity. The costs of transition between alternative land-uses are based on data drawn from Matheson (2015). These costs are summarised in Table 2 below. It is observable that while some transitions impose a cost to producers, de-intensification also has some benefits in that it frees up capital invested in certain fixed assets (e.g. sale of livestock or supplier shares). Carbon liability is incorporated in the computation of transition costs, and is also factored into the profitability of the forest sector (determined by SCION) incorporated within the model at a carbon price of \$4 tonne⁻¹. The profitability of a forest stand is annualised using an 8% interest rate over the life of the stand, given that returns from this land-use are highly episodic. The implications of this approach are that the profit streams from forested land are directly comparable to those of other land-uses, such as dairy and sheep and beef.

Table 2. Summary of land conversion costs for the Lake Rotorua catchment. All values are reported in dollars per ha, with positive values representing costs and negative values representing revenues. These values are drawn from Matheson (2015). Forestry establishment costs are included separately within the figures provided by SCION.

Old use	land-forestry	Forestry	Support	Sheep and beef	Forestry	Dairy	Sheep and beef	Forestry	Dairy	Dairy support
New use	land-forestry	Dairy	Dairy	Dairy	Dairy support	Dairy support	Dairy support	Sheep and beef	Sheep and beef	Sheep and beef
Carbon liability		4,800	-	-	4,800	-	-	4,800	-	-
Pasture development		5,959	801	801	5,959	-	153	5,959	-	-
Fencing, water and electricity		2,506	1,406	1,522	2,072	92	157	1,860	487	708
Buildings		11,272	9,761	7,610	2,024	375	-	2,199	1,708	664
Professional services		197	120	99	101	5	3	100	22	14
Livestock		6,156	6,156	4,780	-	-6,154	-1,371	1,371	-1,371	1,371
Plant and machinery		1,206	854	1,050	352	-854	196	156	196	-196
Supplier shares		5,450	5,450	4,632	-	-6,412	-	-	-6,412	-
Total costs		37,547	25,548	20,494	15,307	-12,949	-863	16,445	-5,370	2,561

3.3 Scenarios

Geographic Information Systems are used to isolate commercial land from the total amount of 27,250 ha of non-commercial and commercial land in the catchment. The area of land within the Rotorua catchment identified through this process and that is hence studied in this analysis is 23,166 ha. This is divided among 5,024 ha of dairy (22%); 1,358 ha of dairy support (6%); 6,682 ha of sheep and beef (29%); 3,007 ha of sheep and dairy support (13%); and 7,095 ha of commercial forest (30%). Mean sectoral loads are 70 kg N/ha for dairy, 33 kg N/ha for dairy support, 21 kg N/ha for sheep and beef, 22 kg N/ha for sheep and dairy support, and 3 kg N/ha for commercial forestry.

The proposed regulatory framework is designed to achieve a total catchment load to the lake of 435 t N. This involves spreading the cost of a 270 t N reduction across the catchment through reducing 30 t N from management of gorse, 140 t N from primary producers and 100 t through an incentives fund. These figures are based on previous modelling using OVERSEER V5 and do not account for any attenuation of N in groundwater. In order to update these figures to reflect attenuation, these totals were converted into OVERSEER 6.1.3. BOPRC provided information from data generated from OVERSEER version 6.1.3, which highlighted that primary producers are required to together achieve a 25% overall reduction in their baseline loads. The baseline leaching in the catchment represented in the catchment-level economic model is 633 t N; this represents 76% of the total catchment load (833 t). The target load for the land-uses represented in the catchment in the model is therefore 479 t N, representing a 25% reduction in baseline load.

An incentive fund has been created that will purchase nitrogen-leaching entitlements from farmers. The total aim of the incentive fund is to purchase 142 t N from non-commercial and commercial land in the catchment. The level of the incentive fund considered in the modelling is 108 t N, which represents 76% (see previous paragraph) of the total incentive fund. This working is based on an assumption that contributions of the incentive fund will be broadly apportioned according to the relative proportions of nitrogen loss from commercial and non-commercial sources in the baseline. The 108 t N level is computed based on the correction of the 142 t N total computed using OVERSEER version 6.1.3, to account for the level of baseline nitrogen loss (633 t N) computed in the model. This estimate does not align exactly with the BOPRC estimate, given that the level computed in this model is generated based on the use of representative farm types, estimation of their coverage of the catchment,

and estimation of their constituent leaching loads based on expected farm management. This contrasts the estimates developed by BOPRC, who base their estimates on detailed OVERSEER analysis of individual blocks. The latter approach would potentially have provided more precise insight, but could not be emulated here because of the resources that would be required to estimate mitigation-cost curves for each individual block, which is required to compute the total cost of mitigation across the catchment for alternative policy instruments.

It is evident from the material above that the catchment-level analysis presented here captures the stylised facts of the problem, as is typical for catchment modelling of this nature. It is nonetheless important to recognise that modelling abstracts from the problem in its entirety because of its focus solely on the commercial sector. Accordingly, given the adoption of these restrictions, there are some small differences evident between the allocation scenarios generated by the stakeholder group and those represented in the model. Indeed, because the BOPRC have generated nitrogen-leaching estimates for individual farms and used this to generate the series of allocation scenarios, there is some discrepancy between this reality and what is represented in the model. The key factor driving this result are that resource constraints (mainly related to time, data, and cost) preclude the estimation of mitigation-cost relationships for each individual unit and justify a sole focus on the depiction of representative commercial enterprises in this analysis.

Allocation options

The study involves the analysis of eight allocation scenarios (Table 3).

Table 3. The eight allocation scenarios evaluated for the Lake Rotorua catchment.

Scenario number	Scenario name	Description
Base	Baseline	This represents the status quo.
S1	Sector averaging	Each sector is allocated a constant amount. This corresponds to allocations to dairy of 45.52 kg N ha ⁻¹ yr ⁻¹ , to drystock of 20.78 kg N ha ⁻¹ yr ⁻¹ , and to forestry of 3 kg N ha ⁻¹ yr ⁻¹ .

S2	Sector averaging with consideration of biophysical characteristics	The dairy and drystock sectors experience a uniform proportional reduction to achieve the sector averages identified in Scenario 1.
S3	Single range	A single percentage clawback is applied to all commercial-grazing properties, with final allocations within the range of 16–52 kg N ha ⁻¹ yr ⁻¹ .
S4	Natural-capital allocation	Allocation is based on the inherent productivity of each spatial zone.
S5	Equal allocation	Equal allocation with a partition between land less than 26 degrees in slope and land greater than 26 degrees in slope.
S6	Range 0A	Final drystock allocations within a range of 15.5–31 kg N ha ⁻¹ yr ⁻¹ , with an average of 20.4 kg N ha ⁻¹ yr ⁻¹ . Final dairy allocations within a range of 43.5–58 kg N ha ⁻¹ yr ⁻¹ , with an average of 46.6 kg N ha ⁻¹ yr ⁻¹ .
S7	Range 1	Final drystock allocations within a range of 15.5–43.5 kg N ha ⁻¹ yr ⁻¹ , with an average of 20.4 kg N ha ⁻¹ yr ⁻¹ . Final dairy allocations within a range of 43.5–58 kg N ha ⁻¹ yr ⁻¹ , with an average of 46.6 kg N ha ⁻¹ yr ⁻¹ .
S8	Range 2	Final drystock allocations within a range of 15.5–31.5 kg N ha ⁻¹ yr ⁻¹ , with an average of 20.4 kg N ha ⁻¹ yr ⁻¹ . Final dairy allocations within a range of 40–53 kg N ha ⁻¹ yr ⁻¹ with an average of 46.6 kg N ha ⁻¹ yr ⁻¹ .

A number of the allocation scenarios outlined in Table 3 require further description.

Scenario S2 is based on manipulating scenario S1, so that it considers variation between different spatial zones. It involves taking the sector averages for dairy and drystock sectors from scenario S1, and identifying the uniform percentage reduction in load for each sector required to achieve this average. Farm types in different zones have different levels of baseline leaching. This scenario assigns a different sector average for each zone which takes into account these different starting points, but achieves the same overall sector average across the catchment.

Natural-capital allocation (scenario S4) regards the allocation of entitlements based on the inherent productivity of the land type on which farming takes place. A number of steps were employed to represent natural-capital allocation within the context of the study. First, average pasture production (tonnes of dry matter (DM) per ha) per year is estimated for each spatial zone (Table 1) based on expert opinion, reported pasture production for farms in the region and data available for the representative farm types generated in the context of the study. Second, the total pasture production for each zone is then generated through the multiplication of this level of annual production by the area of each zone (ha) (Table 1). Third, the levels of total pasture production for all zones are added together to estimate an average level of pasture grown for the entire catchment. Fourth, the level of total pasture production for each zone is divided by the total level of pasture production for the entire catchment to identify the proportion of the total production arising from that zone. For example, if a particular spatial zone grew 10 t DM/ha/yr over 10 ha and the 100 ha catchment within which that zone was present grew a total of 1000 t DM, then the total production for the zone is $10 \text{ t DM/ha} * 10 \text{ ha} = 100 \text{ t DM}$ and the proportion grown in this zone is 0.1 (or 10%) of the catchment total. Last, the total amount of nitrogen to be allocated among farmers in each zone is then distributed according to the proportion of total production achieved within that zone. For example, if a total of 3,000 kg N is to be allocated across the 100 ha catchment described in our example, then the 10 ha zone of interest mentioned above receives $0.1 * 3,000 \text{ kg N} = 300 \text{ kg N}$, which corresponds to $300 \text{ kg N} / 10 \text{ ha} = 30 \text{ kg N/ha}$ being allocated within this particular zone.

It is recognised that this way of representing natural-capital allocation does not correspond with the practice of using New Zealand Land Resource Inventory (NZLRI) stock carrying capacities to define nitrogen allocation in some regions. The known pasture production approach we have used draws on available data and is consistent with the structure of the modelling framework that is being applied, but does not consider Land Use Capability (LUC) specifically. In this case, we use measured pasture production as a proxy. Given NZLRI stock carrying capacities are a proxy for productive capacity, results at the catchment level should be broadly similar.

Equal allocation involves the allocation of 3 kg N/ha for all land above 26 degrees in slope (2026 ha or 9% of the catchment). The total level of leaching allocated to this land is then subtracted from the target load for the catchment, with the residual amount allocated equally

across all land that is less than 26 degrees in slope (21,140 ha or 91% of the catchment). This results in an allocation of 22.4 kg N/ha across the remaining (flatter) land.

Land-use change and trading constraints

In the absence of constraints, an optimisation model may return unrealistic results, due to the lack of accounting for factors other than that being optimised (in this case, annualised profitability). Scenarios are explored with and without a 5000ha constraint on land use change. The constraint on land-use change is introduced to reflect the fact that it is unlikely that the full amount of land-use change predicted by optimisation would occur in reality. This is because land-use change from pasture to forestry is tempered by factors such as the lack of an annual return to landowners, or negative impacts on land prices resulting from conversion (for example, in the loss of option value that occurs with conversion from pasture to forestry). This effect has been documented in the comparison of observed land use change in New Zealand to expected results from modelling (Anastasiadis et al, 2014). A variety of amounts of land-use change were explored in modelling. The 5000ha constraint was determined to be most appropriate through discussion with stakeholders as yielding the most realistic results and is the only constraint presented here, in the interest of brevity.

The model is used to explore a number of different trading scenarios. A frictionless trading scenario is simulated, which depicts farmers trading permanent entitlements to leach among themselves. There is broad empirical evidence that despite the existence of markets for water quality, these may not always function efficiently due to a reluctance of farmers to trade due to risk aversion, information constraints, and high uncertainty (Shortle, 2013). Also, the fact that this may occur is supported by the analysis of trading behaviour within New Zealand water-quantity markets, which occurs well beneath efficient levels given a lack of information, small markets, and infrastructure constraints (Robb et al., 2001). Thus, a scenario involving frictions is also explored. This demonstrates how a potential undersupply of entitlements to leach in the market could affect the performance of alternative policies. Undersupply can arise for a number of reasons, but a key driver is risk aversion driving farmers to retain entitlements as a hedge against future uncertainty.

3.4 Estimating land value impacts

Defining what impacts on land values are likely to occur from a given regulatory restriction on nitrogen loss is a difficult undertaking, as no standard methodology exists. In assessing

likely capital impacts, we assume that the price of productive land reflects a bundle of rights in land that relate to its potential profitability. In an unconstrained environment, this is likely due to two key factors. First, the profitability of the current activity that is undertaken on that land and any associated built capital that has been invested. Second, an element of option or speculative value will apply, depending on the best use of that land.

For example, flat, versatile land that is used for drystock farming will typically have a higher price than would be expected based solely on its profitability. This reflects that the land might also be converted to cropping, dairy farming, or other uses. Land that is used for dairy farming typically has a higher price than this again, reflecting the investment that has gone into infrastructure, pasture improvement, and fertility improvement.

Land in the Rotorua catchment has already had its level of permitted nitrogen leaching capped at 2001-2004 levels under the *Bay of Plenty Regional Water and Land Plan* Rule 11. This makes the task somewhat simpler since option value (for intensification of existing use or conversion to a more intensive use) has already been extinguished. This is reflected in work presented to BOPRC on the impacts of Rule 11 on land values in the catchment, showing average impacts on dairy land values of 10%, with an average of 10-20% for drystock land.² The greater impact on drystock land value likely reflects the loss of option or speculative value.

To estimate the likely capital impact on different types of farming, we have calculated the value of the nitrogen reduction from farms' baseline (Rule 11) nitrogen leaching rights compared to the final 2032 allocations, as perpetuities at a range of nitrogen prices (in contrast to other parts of the report concerned with annual profit impacts, which use annualised nitrogen prices). We do this by multiplying the reduction in nitrogen leaching rights for each sector (from their baseline relative to their final allocation) by the perpetual nitrogen value generated by the catchment model for each scenario. This reflects the cost of returning a farm to its current Rule 11 leaching cap, which is the likely discount that a new buyer would apply to the land. We do not include further reduction in land values that would result from land use change by landowners that opt to sell off N, since this further reduction in land value can be cashed out and realised by those landowners. The value of N relative to Rule 11 is then discounted to 2015 dollars, to reflect that a present-day buyer would account

² <http://www.rotorualakes.co.nz/vdb/document/934>

for the fact that these farms will not be limited to such a low level in the short term. The proposed policy of staged reductions over time is not included, due to the lack of any clear trajectory to apply to prices over time.

Multiple-owned Māori land within the catchment poses a particular challenge for assessing capital impacts, as it will not be sold. However, the same principle of option value applies, with respect to current and future generations. The costs expressed in this report are one-off capital values. For Māori land, this should be considered in terms of an annualised cost (through reduced potential for profit) that will be experienced in perpetuity.

4. Results and Discussion

4.1 Baseline management and general results

Table 4 presents model output for the baseline scenario and trading scenarios with alternative levels of land-use change allowed. Two levels of land-use (LU) change are simulated for the purposes of this report. The first (5000 ha LU change) reflects the implementation of a constraint stating that baseline land-use cannot change by more than 5000 ha. The second (optimal LU change) reflects no upper bound being placed on land-use change. (Other levels of land-use change that are simulated, but for which output is not reported here, are 0; 2,500; and 7,500 ha.) Both of these scenarios represent the optimum solution of the model once allocation has taken place within scenarios S1–S8 and frictionless trade. The impacts of frictions in trading are studied in Section 4.3.

A number of important insights are apparent from Table 4 below. First, catchment profit actually increases under both scenarios, by around 14% and 16% in the first and second scenarios, respectively. This result is counterintuitive, and as discussed in section 4.4 needs to be read in the context of capital impacts. The small benefit accruing to the second scenario, relative to the first, reflects that the mitigation of nitrogen away from the current level of nitrogen loss in the catchment has some potential benefits for farm-level profit, when land-use change can occur and the sale of nitrogen discharge allowances is frictionless. As profit within the model also includes annualised costs and benefits of nutrient trading, the inclusion of the incentives fund buying nitrogen is also likely to have a positive impact on profits.

Nevertheless, costs vary significantly by sector and spatial zone; with important implications for the distribution of these benefits across individual farm types (see Section 4.2). Baseline

leaching within dairy and dairy support land-uses is significant, around 70 and 33 kg N per ha, respectively. The imposition of a nitrogen-leaching limit alongside permitting land-use change leads to a significant change in the baseline.

Table 4. Key model output for the baseline scenario and the optimal solution with trading, in the 5000ha LU change and optimal LU change scenarios. The price of nitrogen is the price associated with the permanent entitlement.

Variable	Unit	Output		
Trading	-	Base	Efficient trading	Efficient trading
LU change scenario	-	0	5000 ha	Optimal
Catchment profit	\$m	14.44	16.43	16.63
Land-use				
Dairy	ha	5,024	2,754	3,046
Dairy support	ha	1,358	1,358	1,358
Sheep & beef	ha	6,682	5,752	4,666
Sheep & support	ha	3,007	1,900	999
Forestry	ha	7,095	11,403	13,098
Leaching				
Dairy	kg N/ha	70	66	67
Dairy support	kg N/ha	33	18	20
Sheep & beef	kg N/ha	22	21	13
Sheep & support	kg N/ha	21	16	19
Forestry	kg N/ha	3	3	3
N price	\$/kg N	-	118	60
Agricultural production				
Milk	t MS	5,142	3,039	3,389
Wool	t	509	412	334
Sheep meat	t	1,584	1,290	1,049
Beef	t	2,191	1,746	1,631
Farm statistics				
Cows	head	13,614	7,711	8,540
N fertiliser	t urea	923	363	407
Supplement	t DM	26	17	19
Labour	FTE	157	127	132

Notable changes include a significant reduction in dairy area (around 40%). This is due to some types of dairy farm having comparatively low profit per hectare relative to the amount

of nitrogen that they leach, which makes land-use change and the sale of N a more profitable option than mitigation (see example in Box 1).

Box 1: Land-use change decision-making on a dairy farm type in a high-rainfall zone with a pumice soil.

- This farm type leaches $84 \text{ kgN ha}^{-1} \text{ yr}^{-1}$, making $\$934 \text{ ha}^{-1} \text{ yr}^{-1}$ EBIT.
- Assume this farm type is allocated $53 \text{ kgN ha}^{-1} \text{ yr}^{-1}$ (e.g. range scenario 8).
- What are the mitigation options?
 - According to the mitigation protocol outlined in Section 3, this farm type can mitigate leaching as low as $73 \text{ kgN ha}^{-1} \text{ yr}^{-1}$, making $\$812 \text{ ha}^{-1} \text{ yr}^{-1}$. This is still $20 \text{ kg N ha}^{-1} \text{ yr}^{-1}$ above their allocation.
- Is buying N worthwhile?
 - This farm type needs to purchase $20 \text{ kg N ha}^{-1} \text{ yr}^{-1}$ (a total cost of $\$118.20 \text{ ha}^{-1} \text{ yr}^{-1}$ at an N price of $\$5.91 \text{ kg}^{-1} \text{ yr}^{-1}$, the annualised price for the 5000 ha land-use change scenario with frictionless trading).
 - This leaves a residual profit of $\$693.80 \text{ ha}^{-1} \text{ yr}^{-1}$
- Is land-use change worthwhile?
 - In this case, a specialist dairy support operation on the same land can earn $\$954 \text{ ha}^{-1} \text{ yr}^{-1}$, leaching $36 \text{ kg N ha}^{-1} \text{ yr}^{-1}$.
 - This land-use change would enable the sale of $17 \text{ kgN ha}^{-1} \text{ yr}^{-1}$ ($\$100.47 \text{ ha}^{-1} \text{ yr}^{-1}$).
- Impact on profit (EBIT after trading)?
 - This land-use change yields a residual profit of $\$1054.47 \text{ ha}^{-1} \text{ yr}^{-1}$.
 - This is in addition to one-off transition benefits of $\$12,949 \text{ ha}^{-1}$ (as per Table 2).

It is important to note that in an unconstrained environment for nitrogen, the land-use change from dairy to dairy support would be unlikely due to the similar profit levels and sunk cost in infrastructure. However, with the introduction of the opportunity to sell N, this land-use change becomes significantly more attractive.

The remaining dairy farm types are those that generate high profits per hectare, relative to the amount of nitrogen that they leach. Despite some mitigation capacity, these farm types still typically need to leach more nitrogen than is allocated in the scenarios in order to sustain

their on-going profitability. These farm types buy N under all scenarios, with more N required under scenarios that are more different to the status quo such as natural-capital and averaging approaches. These farm types experience costs of mitigation, as well as costs to buy N in order to remain viable (as per Box 2). These impacts are not apparent at the sector level, since costs falling on less-profitable farm types changing land-use are not apparent in the extent of the costs that fall on the farm types that remain in business.

Box 2: Costs for a high rainfall podzol dairy farm type

- This farm type leaches 70 kgN ha⁻¹ yr⁻¹, making \$2011 ha⁻¹ yr⁻¹ EBIT.
- Though allocated less, it is only economic for this farm type to mitigate to 65 kg N ha⁻¹ yr⁻¹.
- This farm type needs to buy N to stay viable under all scenarios (though different amounts for each scenario). Assuming the same annualised N price of \$5.91 kg⁻¹ yr⁻¹
 - This will cost \$84.26 ha⁻¹ yr⁻¹ under scenario 8 (just over 14 kgN yr⁻¹ under Range 2).
 - This will cost \$257.32 ha⁻¹ yr⁻¹ under scenario 5 (just over 43 kgN yr⁻¹ under equal allocation).
- Impact on profit (EBIT after trading)?
 - Residual profit is highly-sensitive to allocation, with a 4% loss of EBIT under scenario 8 and a 13% loss under scenario 5.

All scenarios involve an increase in forestry area, around 60% and 85% in the first and second scenarios, respectively. Lower-intensity dairy-support options involve substantial scope for stocking-rate reductions at a reasonable cost, with marked benefits for nitrogen leaching (Box 3 and Appendix 4).

Box 3: Mitigation and N purchase on a podzol dairy support farm type

- This farm type leaches 29 kg N ha⁻¹ yr⁻¹, making \$813 ha⁻¹ yr⁻¹
- Assume it is allocated 19 kgN ha⁻¹ yr⁻¹.
- Step 1 – remove N use?
 - Cost \$20 ha⁻¹ yr⁻¹ to reduce N leaching to 22 kgN ha⁻¹ yr⁻¹ – this is likely as it produces a cost effective reduction in N.

- Step 2 – remove calf grazing?
 - Increase in profit of \$22 ha⁻¹ yr⁻¹/ha to reduce to N leaching 20 kgN ha⁻¹ yr⁻¹ – this is highly-likely given the potential increase in profit from reducing N (a win-win outcome).
- Step 3 – remove winter cows?
 - Cost \$379 ha⁻¹ yr⁻¹ to reduce N leaching to 18 kg N ha⁻¹ yr⁻¹ – unlikely as this is not cost-effective.
- Buy N?
 - Cost \$5.91 ha⁻¹ yr⁻¹ to increase allocation to 20 kg N ha⁻¹ yr⁻¹ – highly cost effective.
- Final outcome is a net profit \$809.09 ha⁻¹ yr⁻¹, with leaching of 20 kg N ha⁻¹ yr⁻¹, by removing N use and calf grazing, but buying N leaching rights in order to maintain the cow wintering component of the business.

Overall, the impacts identified in Table 4 highlight a significant reduction in dairy and beef production, given the higher leaching losses emanating from land on which these animals are grazed. There is a significant reduction in cow number, nitrogen fertiliser application, supplement use, and farm labour, with each effect likely to have regional implications. Also, allowing the optimal level of land-use change to occur reduces the price of nitrogen permits, as producers are not so constrained by the availability of nitrogen given that management is sufficiently flexible to fully exploit any net benefits accruing to this action.

Tables 5 and 6 present the impact of each allocation scenario (see Table 3 for a list) on operating profit within each of the sectors, for the 5000ha land-use change and the optimal land-use change scenarios, respectively, using efficient trading. The value of trade in nitrogen entitlements is determined using the annualised value of entitlements; this is computed using an 8% interest rate over 25 years. The first five rows of data present in both tables outline the operating profit for the management activity on each farm type, without considering the change in net revenue arising from trade. These outcomes are closely equivalent across all of the allocation scenarios, given that trading removes any distortions away from the optimal point associated with the initial allocation (Howard et al., 2013). Nevertheless, the disparate allocation scenarios drive a need for some substantial trading across many of the simulated programs. For example, dairy farm types, on average, must purchase 39 and 43 kg N per ha

under natural-capital (S4) and equal (S5) allocation scenarios (Table 4) when a maximum bound of 5000 ha is placed on land-use change. Additionally, dairy farm types must purchase an average of 42 and 45 kg N per ha under natural-capital (S4) and equal (S5) allocation scenarios (Table 4) when no maximum bound is placed on land-use change. Additionally, the sales made by sheep and dairy support land experience substantial diversity, with a mean of 31 kg N per ha sold and this activity being augmented by land-use change when a bound of 5000 ha is placed on land-use change. However, when no bound is placed on land-use change, there is a substantial reduction in the trade in entitlements from sheep and support land, with this loss being offset by an increase in trade from sheep and beef land. This change partly reflects a further loss of land in sheep and dairy support, particularly those areas of land on which more-intensive sheep and dairy support activity is sustained. As expected, the highest sales from forested land occur under the natural-capital (S4) and equal (S5) allocation scenarios, but a consistent level of sale is present across all scenarios, driven also by land-use conversion (Table 3).

There is substantial diversity in the change in operating profit. Profit increases in all land-uses in all scenarios, with the exception of profit on sheep and dairy support with optimal land-use change (Table 6). To some extent, this demonstrates the existence of some cost-effective mitigation options and win-win strategies, coupled with the opportunity to sell N to the incentives fund, or to other farmers. However, in many cases, this is due to less profitable farm types changing land use, which results in the average profit going up despite significant costs faced by remaining farm types. This overall result conceals significant disparity in costs and benefits for diverse land-uses across different spatial regions. Moreover, while the overall level of profit may not fall, this is not necessarily a good indicator of overall economic activity (Howard et al 2013). Further analysis of regional impacts due to changes in revenue and services purchased are required to understand how this change in farm-systems is likely to impact on the wider community. These values are studied in further detail in an accompanying report that outlines a regional economic study performed by Market Economics. It is also important to note that these profit impacts are based on EBIT and do not include the likely capital impacts of a change in leaching rights (section 4.4) or their implications for debt servicing.

- 1 **Table 5.** Key model output for each sector across all allocation scenarios, including transition costs, when a maximum land-use change of 5000
- 2 ha is permitted and trading is efficient. Positive/negative values for the net trade in entitlements represent the purchase/sale of permits.

Variable	Base	S1	S2	S3	S4	S5	S6	S7	S8
Operating profit without consideration of trade in entitlements (\$/ha)									
Dairy	1,638	2,015	2,015	2,006	2,015	2,015	2,015	2,015	2,015
Dairy support	515	1,124	1,124	1,210	1,124	1,124	1,124	1,124	1,124
Sheep and support	324	343	343	357	343	343	343	343	343
Sheep and beef	387	447	447	447	447	447	447	447	447
Forestry	283	537	537	524	537	537	537	537	537
Net trade in entitlements (kg N/ha)									
Dairy		20	20	5	39	43	15	15	14
Dairy support		-12	-16	-6	-1	-3	-15	-15	-15
Sheep and support		-31	-31	-29	-31	-31	-31	-31	-31
Sheep and beef		-5	-5	-1	-4	-4	-2	-2	-2

Forestry		-11	-10	-4	-17	-18	-11	-11	-11
Change in operating profit arising from trade in entitlements (\$/ha)									
Dairy		-118	-119	-31	-229	-257	-88	-88	-84
Dairy support		69	96	38	7	20	89	90	88
Sheep and support		183	183	171	183	183	183	183	183
Sheep and beef		28	27	5	23	26	10	10	11
Forestry		63	61	24	102	104	65	65	63
Operating profit with consideration of trade in entitlements (\$/ha)									
Dairy	1,638	1,897	1,896	1,975	1,786	1,758	1,927	1,927	1,931
Dairy support	515	1,193	1,220	1,248	1,132	1,144	1,213	1,214	1,212
Sheep and support	324	526	526	528	526	526	526	526	526
Sheep and beef	387	476	475	452	470	473	457	457	458
Forestry	283	600	598	548	639	641	602	602	600

4 **Table 6.** Key model output for each sector across all allocation scenarios, including transition costs, when any level of land-use change can
 5 occur and trading is efficient. Positive/negative values for the net trade in entitlements represent the purchase/sale of permits.

Variable	Base	S1	S2	S3	S4	S5	S6	S7	S8
Operating profit without consideration of trade in entitlements (\$/ha)									
Dairy	1,638	1,879	1,879	1,879	1,879	1,879	1,880	1,880	1,880
Dairy support	515	1,193	1,193	1,193	1,193	1,193	1,193	1,193	1,193
Sheep and support	324	266	266	266	266	266	266	266	266
Sheep and beef	387	457	457	457	457	457	457	457	457
Forestry	283	526	526	526	526	526	526	526	526
Net trade in entitlements (kg N/ha)									
Dairy		23	24	18	42	45	19	19	18
Dairy support		-9	-13	-11	0	-1	-12	-12	-11
Sheep and support		-2	0	-1	1	0	0	0	0
Sheep and beef		-10	-25	-6	-23	-13	-5	-5	-6

Forestry		-11	-10	-11	-17	-18	-11	-11	-11
Change in operating profit arising from trade in entitlements (\$/ha)									
Dairy		-70	-72	-56	-127	-139	-56	-56	-54
Dairy support		26	39	34	-1	3	35	35	34
Sheep and support		5	0	2	-3	0	1	1	1
Sheep and beef		30	76	18	71	40	15	15	18
Forestry		35	32	33	50	54	33	33	32
Operating profit with consideration of trade in entitlements (\$/ha)									
Dairy	1,638	1,809	1,807	1,823	1,752	1,740	1,823	1,823	1,825
Dairy support	515	1,219	1,233	1,227	1,192	1,196	1,228	1,229	1,227
Sheep and support	324	271	267	268	264	267	268	268	268
Sheep and beef	387	487	533	475	529	497	472	472	475
Forestry	283	561	558	559	576	580	559	559	558

4.2 Implications of scenarios for each baseline land-use

This section focuses on land-use change in scenarios S4 and S8. These scenarios are selected because they are broadly divergent, they are the focus of the regional analysis, and scenario 8 is the preferred option of the stakeholder group.

Table 7 presents the level of land-use change observed when this action is unconstrained. (Only changes larger than 1 hectare are reported.) The outcomes for S4 and S8 differ by a fraction of a hectare; thus, only the solution for S8 is presented. Significant land-use change is observed, especially in the dairy sector due to its high level of nitrogen leaching. Indeed, around 1,700 ha of dairy to forest conversion is observed. Dairy support area is also reduced, with around 400 ha of dairy activity converted to support on high-loss pumice soils (most in higher-rainfall areas), while support land on other soil types is reduced. In particular, around 655 ha of dairy-support land is converted to sheep and beef activity on podzol soils. Some sheep and beef land (around 500 ha) is converted to sheep and dairy support, but most conversion of this land-use (around 3000 ha) involves transition to forest. Most land-use change as a proportion of baseline land-use occurs in the sheep and dairy-support option. Around 165 ha is converted to dairy production, while 500 ha, 900 ha, and 1000 ha is converted to standard dairy support, sheep and beef, and forestry activities, respectively.

Overall, the results outlined in Table 7 demonstrate that the proposed allocation systems will likely have a significant effect on the way that land is managed in the catchment, especially given the capacity to trade entitlements. The land-use changes observed are significant, for a number of reasons. First, there is substantial diversity in economic and environmental outcomes between the individual zones represented in the catchment model. Second, the allocation mechanisms simulated represent a substantial distortion with respect to the current situation, so significant changes are expected. Last, the responses are not arbitrarily dampened through the use of calibration functions estimated from data obtained from other catchments (Doole and Marsh, 2014a, b). These issues are discussed further in the conclusions.

Table 7. Patterns of land-use change observed in scenario S8 when land-use change is unconstrained and trading is efficient.

Baseline land-use	New land-use	Soil	Hectares
Dairy	Dairy	Podzol	14
Dairy	Support	Allophanic	39
Dairy	Support	Pumice	414
Dairy	Forest	Allophanic	428
Dairy	Forest	Pumice	1041
Dairy	Forest	Recent	260
Support	Support	Pumice	7
Support	Forest	Allophanic	49
Support	Forest	Podzol	153
Support	Forest	Pumice	47
Support	Forest	Recent	38
Support	Sheep and beef	Podzol	655
Sheep and beef	Dairy	Podzol	38
Sheep and beef	Forest	Allophanic	587
Sheep and beef	Forest	Organic	64
Sheep and beef	Forest	Podzol	335
Sheep and beef	Forest	Pumice	1173
Sheep and beef	Forest	Recent	852
Sheep and beef	Sheep and support	Allophanic	415
Sheep and beef	Sheep and support	Podzol	109
Sheep and support	Dairy	Podzol	165
Sheep and support	Support	Pumice	489
Sheep and support	Forest	Allophanic	264
Sheep and support	Forest	Organic	29
Sheep and support	Forest	Podzol	25
Sheep and support	Forest	Pumice	292
Sheep and support	Forest	Recent	365
Sheep and support	Sheep and beef	Allophanic	168
Sheep and support	Sheep and beef	Podzol	734

Table 8 presents how total profit for each land-use differs under the baseline, S4, and S8 scenarios for the 5000 ha land-use change scenario. S4 is the natural-capital allocation, while S8 is the Range 2 scenario developed by the stakeholder group. The natural-capital allocation involves a significant amount of trade (Table 4), with dairy farm types required to spend around $\$229 \text{ ha}^{-1} \text{ yr}^{-1}$ for purchasing permits and sheep and dairy support farm types selling permits for a mean return of $\$183 \text{ ha}^{-1} \text{ yr}^{-1}$. Dairy-support operations benefit from conversion from dairy farm types to sheep and support farm types, with transition benefits arising from the sale of dairy shares and livestock. Moreover, conversion to forestry land benefits from the sale of livestock in drystock operations and shares and livestock in the dairy areas. In comparison, under scenario S8, dairy farm types trade much less than under the natural-capital allocation scenario (S4) because the allocations within the S8 system are much more in line with historical levels of nitrogen loss. Once again, there are significant transition benefits for dairy-support and forestry operations. Interestingly, profit is higher under the Range 2 scenario (S8) relative to the baseline, and for all enterprises except sheep and beef and forestry relative to S4. This is due to lower-profit (relative to their nitrogen leaching) types of farming changing land-use, so that only the most efficient remain in that land-use. However, at a finer resolution, many of these farm types experience costs.

Table 9 reports how total profit for each land-use differs under the baseline, S4, and S8 scenarios for the instance when total land-use change is unconstrained. Lower distortions to profit arising from the trading of nutrient entitlements are observed because land-use change is less constrained and, therefore, producers can rely more on land-use change than the purchase of entitlements to attain their profit-maximising position under the imposed nitrogen-leaching limit. The impact of a greater reliance on land-use change is a greater distortion to farm profit arising from transition costs. A transition cost is associated with dairy operations, as it is optimal when land-use change is unconstrained to convert some sheep and beef land and some sheep and dairy support land on podzol soils to dairy production, given its high profitability and low level of environmental footprint on this given soil type. Similarly, transition costs are borne for sheep and beef conversion, arising from the conversion of dairy support and sheep and dairy support operations located on podzol soils and, to a lesser extent, allophanic soils. In contrast, dairy-support operations benefit from conversion from dairy farm types to sheep and support farm types, with transition benefits arising from the sale of dairy shares and livestock. Moreover, conversion to forestry land benefits from the sale of livestock in drystock operations and shares and livestock in the dairy

areas. Profit is higher for both scenarios S4 and S8, relative to the baseline, for all land-uses except sheep and dairy support. Profit is also greater for each land-use in scenario S8, relative to scenario S4, except for sheep and beef and forestry enterprises.

Table 8. Change in farm profit for the baseline, Scenario S4, and Scenario S8 in the optimal solutions obtained when a maximum of 5000 ha land-use change is simulated. The units of all numbers in this table are dollars per ha.

Land-use	BASE	S4	S4	S4	S4	S8	S8	S8	S8
Land-use	Profit	EBIT	Trans. cost	Trade	Profit	EBIT	Trans. cost	Trade	Profit
Dairy	1,638	2,018	0	-229	1,789	2,006	0	-84	1,922
Dairy support	515	697	427	7	1,131	694	515	88	1,297
Sheep and support	324	338	0	183	521	357	0	183	540
Sheep and beef	388	442	0	23	465	448	0	11	459
Forestry	283	326	213	102	641	322	202	63	587

Table 9. Change in farm profit for the baseline, Scenario S4, and Scenario S8 in the optimal solutions obtained when land-use change is unlimited. The units of all numbers in this table are dollars per ha.

Land-use	BASE	S4	S4	S4	S4	S8	S8	S8	S8
Land-use	Profit	EBIT	Trans. cost	Trade	Profit	EBIT	Trans. cost	Trade	Profit
Dairy	1,638	2,008	-128	-127	1,753	2,008	-128	-54	1,826
Dairy support	515	774	420	-1	1,192	774	420	34	1,227
Sheep and support	324	258	9	-3	263	258	9	1	267
Sheep and beef	388	508	-51	71	528	508	-51	18	475
Forestry	283	326	200	50	576	326	200	32	558

4.3 Impacts of frictions

The material presented in Sections 4.1 and 4.2 are consistent with frictionless trade within the market for nitrogen permits. However, frictions may occur within such markets, especially because producers may hoard entitlements as a hedge against future uncertainty regarding further cuts to leaching loads (Howard et al., 2013). The impact of such frictions was evaluated, to identify how they could affect the relative performance of each allocation instrument. This was done through restricting trade volumes to 50% of the optimal level observed when no frictions were simulated. In the scenario that also included a 5000 ha restriction on land-use change, the total amount of entitlements that were to be bought by the incentive fund was also reduced by 50%, as otherwise there were not enough permits available for purchase by the incentive fund. This is consistent with the reasoning that frictions will lower the amount of supply of permits in the market, and thus restrict the purchase of entitlements for both producers and the incentive fund.

Profit within the catchment is reduced when frictions are present within the market for nitrogen permits. Indeed, catchment profit decreases by around 5% in both land-use scenarios relative to the scenarios without frictions, though this is still higher than baseline profit. This highlights that hoarding within a permit market reduces efficiency at the catchment level, and the cost of this inefficiency falls on the producer population. A key source of this inefficiency is barriers to land-use change. For example, the presence of frictions means that the area in dairy and sheep and beef farming is higher than optimal, while the area of sheep and dairy support and forestry is lower than optimal when a maximum bound of 5000 ha land-use change is simulated. In contrast, the presence of frictions means that the amount of dairy and forested land is lower than optimal in the unlimited land-use change scenario due to an inability to acquire allowances, while sheep and beef and sheep and dairy support is too high.

These rigidities in the market for emissions entitlements have significant implications for leaching within each land-use. A significant impact is that they increase the perpetualised price for nitrogen from around \$118 and \$60 kg N⁻¹ in the 5000 ha and unlimited land-use change scenarios, to around \$444 kg N⁻¹ (\$551 kg N⁻¹ under the natural-capital scenario). This higher price reflects an increased scarcity of nutrient entitlements in the market and that practices to pragmatically address rigidities in the market for nitrogen-leaching entitlements in the Lake Rotorua catchment will have direct benefits for increasing the amount of nitrogen

that could be purchased by the incentive fund, while also reducing on-farm costs through promoting more cost-effective nutrient mitigation.

Table 10. Key model output with 50% frictions and no frictions in the nitrogen-permit trading market, for the case of a maximum bound of 5000 ha and unlimited land-use change. This is for the Scenario 8 Range allocation.

Variable	Unit	Output				
Trading	-	Base	Trading (50% fr.)	Trading	Trading (50% fr.)	Trading
LU change scenario	-	0	5000 ha	5000 ha	Optimal	Optimal
Catchment profit						
	\$m	14.44	15.49	16.43	15.76	16.63
Land-use						
Dairy	ha	5,024	3,400	2,754	2,889	3,046
Dairy support	ha	1,358	1,358	1,358	1,358	1,358
Sheep & beef	ha	6,682	7,823	5,571	7,133	4,666
Sheep & support	ha	3,007	1,513	1,900	1,080	999
Forestry	ha	7,095	9,074	11,403	10,714	13,098
Leaching						
Dairy	kg N/ha	70	55	66	54	67
Dairy support	kg N/ha	33	26	18	26	20
Sheep & beef	kg N/ha	22	20	21	14	13
Sheep & support	kg N/ha	21	19	16	19	19
Forestry	kg N/ha	3	3	3	3	3
N price	\$/kg N	-	444	118	444	60
Agricultural production						
Milk	t MS	5,142	3,648	3,039	3,128	3,389
Wool	t	509	533	412	484	334
Sheep meat	t	1,584	1,660	1,290	1,512	1,049
Beef	t	2,191	2,198	1,746	297	1,631
Dairy statistics						
Cows	head	13,614	9,874	7,711	8,080	8,540
N fertiliser	t urea	923	515	363	430	407
Supplement	t DM	26	21	17	19	19
Farm labour	FTE	157	138	127	131	132

4.4 Implications of scenarios for land prices

As for section 4.2, we consider allocation scenario 4 (natural-capital) and scenario 8 (range 2). These scenarios are selected because they are broadly divergent, they are the focus of the regional analysis, and scenario 8 is the preferred option of the stakeholder group. Impacts are assessed for optimum land-use change with 50% frictions, 5000 ha of land-use change with optimum trading, and for 5000ha of land-use change with 50% frictions to trading. Under the latter scenario, the supply of N is so restricted that the incentives fund only achieves half of its target. To provide decision-makers with total costs, the full 142 t reduction required by the incentives fund has been used here, rather than the 108 t used to model the commercial sector only within the catchment model. Since the allocations are for 2032, impacts on farmers are discounted at a rate of 8% to reflect impacts in the present (i.e. land values in 2015). The incentives fund on the other hand is operational currently and will be buying N from farmers in a way that requires land-use change in the short-term. Because of this, costs to the incentives fund are not discounted.

There is a wide range in potential capital impacts. This reflects the fact that N price is highly sensitive to market efficiency. This is likely to be reflected in reality, as a highly-efficient market with readily-available nitrogen credits will greatly dampen the limitations to management faced by any individual block of land in the catchment.

Table 11 shows the impact of natural-capital allocation (scenario S4). The total impacts on farmers range from \$2.5 m to \$22.9 m. Under this scenario, the majority of capital impacts fall on dairy farms. Drystock farms also experience a cost, but this is relatively modest. The large costs on pastoral land are balanced by significant benefits for forestry land relative to the current rules.

Table 12 shows the impacts on capital value under the proposed range 2 allocation (scenario S8, the Stakeholder Advisory Group's preferred option). Again, capital impacts are high, but are distributed more evenly across pastoral land-uses. Dairy farming still experiences higher capital impacts than drystock farming, due to the higher percentage reductions applied to the sector than for drystock farms. As forestry land receives the same allocation as it holds currently, the overall cost to pastoral land is lower.

The difference in cost is particularly evident under the 5000 ha with 50% frictions scenario. Under the natural-capital allocation, a large amount of trade is required to reach an efficient land-use outcome. This increases demand for nitrogen discharge allowances, increasing the price from \$444 to \$551 per kg N for a perpetual discharge right. The overall capital impact on farmers is \$18.4m under the range scenario. This cost is 24% higher (\$22.9m) under the natural-capital allocation. It is a feature of a regulatory scenario featuring nutrient trading, that impacts on land flexibility and capital value are to a large extent dependent on the price and availability of leaching rights. That is, making the best use of one piece of land becomes dependent on other farms making the best use of their land, including if this involves selling nutrient rights.

Overall, the assessment of capital values contrasts starkly with the assessment of profit, in that the estimated costs to the pastoral sector are significant. Indeed, this novel approach captures a key element missing from previous economic analysis—the fact that a high proportion of the returns to agricultural land are attributable to capital gain, and this appreciation in value is compromised through limits placed on intensification by nitrogen-leaching constraints. This should be particularly be of concern for farmers that carry higher levels of debt, especially given that this will compound the effects on capital value arising from the prior imposition of Rule 11. It is an interesting feature of the analysis in this report that significant negative impacts on land value are expected, even though profit across the catchment is expected to increase. This increased profit is associated with transition benefits and with option value being extinguished. Essentially, this represents a trade-off of the option value in land for operating profit.

Table 11. Capital impacts on different sectors under scenario 4 (natural-capital allocation) for three different catchment scenarios and associated values for N. The N prices used (\$61, \$118 and \$551) are all prices generated by the 2032 policy scenario. Accordingly, the costs associated with these N prices have been discounted (at a rate of 8%) to show costs in 2015. Forestry costs in this table are negative (i.e. they are benefits).

"Natural-capital" allocation										
	Base		Scenario 4		Opt LU 50% frictions		5000ha no frictions		5000ha 50% frictions	
	Load	ha	Allocated	Reduction	Cost at	cost per	Cost at \$118/kg	cost per ha	Cost at	cost per
	(tN)		(tN)	(tN)	\$61/kg	ha			\$551/kg	ha
Dairy	354	5024	121	233	\$3,841,627	\$ 765	\$ 7,431,343	\$1,479	\$ 34,700,595	\$6,906
Dairy support	45	1358	32	13	\$ 217,853	\$ 160	\$ 421,420	\$ 310	\$ 1,967,820	\$1,449
Sheep and dairy	63	3007	59	4	\$ 67,026	\$ 22	\$ 129,657	\$ 43	\$ 605,432	\$ 201
Sheep and beef	150	6682	132	18	\$ 299,335	\$ 45	\$ 579,042	\$ 87	\$ 2,703,833	\$ 404
Forestry	21	7095	136	-115	-\$1,895,174	-\$ 267	-\$ 3,666,074	-\$ 517	-\$ 17,118,703	-\$2,413
Total farm	633	23166	480	154	\$2,530,667	\$ 109	\$ 4,895,389	\$ 211	\$ 22,858,977	\$ 987
Incentives	0		-142	142	\$8,662,000		\$16,756,000		\$39,121,000	
									\$ 39,121,000	Shortfall
TOTAL					\$11,192,667		\$21,651,389		\$101,100,977	

NOTE - incentives fund fails under 5000ha/50% scenario - leaving a 71t shortfall

Table 12. Capital impacts on different sectors under scenario 8 (range 2) for three different catchment scenarios and associated values for N. The N prices used (\$60, \$118 and \$444) are all prices generated by the 2032 policy scenario. Accordingly, the costs associated with these N prices have been discounted (at a rate of 8%) to show costs in 2015.

"Range" allocation											
	Base		Scenario 8		Opt LU 50% frictions		5000ha no frictions		5000ha 50% frictions		
	Load	ha	Allocated	Reduction	Cost at	per ha	Cost at	per ha	Cost at	per ha	
	(tN)		(tN)	(tN)	\$60/kg		\$118/kg		\$444/kg		
Dairy	354	5024	255	99	\$1,600,644	\$ 319	\$ 3,147,934	\$ 627	\$11,844,767	\$ 2,357	
Dairy support	45	1358	33	12	\$ 197,064	\$ 145	\$ 387,560	\$ 285	\$ 1,458,276	\$ 1,074	
Sheep and dairy	63	3007	53	10	\$ 162,861	\$ 54	\$ 320,293	\$ 107	\$ 1,205,170	\$ 401	
Sheep and beef	150	6682	117	33	\$ 528,661	\$ 79	\$ 1,039,704	\$ 156	\$ 3,912,105	\$ 585	
Forestry	21	7095	21	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total farm	633	23166	480	154	\$ 2,489,232	\$ 107	\$ 4,895,490	\$ 211	\$18,420,319	\$ 795	
Incentives	0		-142	142	\$ 8,520,000		\$16,756,000		\$31,524,000		
									\$31,524,000	Shortfall	
TOTAL					\$11,009,232		\$21,651,490		\$81,468,319		

NOTE - incentives fund fails under 5000ha/50% scenario - leaving a 71t shortfall

4.5 Implications of scenarios for debt servicing and equity

The levels of debt held by land owners in the Rotorua catchment are of particular concern for two reasons. First, falls in profit may make it difficult for farmers to continue to service debt, resulting in an increasing number of farms with negative returns. Second, drops in land value associated with nitrogen restrictions (as outlined in section 4.4 above) may exceed the equity held by some farmers.

In purely economic terms, this impact is neutral at the catchment scale, as some farms that go bankrupt would be expected to be bought by others that would continue to farm them for profit. Farms that are sold after the rules are in place are likely to be cheaper, and so the return on capital for these farms would return to normal, while the majority of the costs of transition fall on one generation of farmers. Any bankruptcies associated with this transition would create a significant social impact on the community.

5. Conclusions

The primary objective of this analysis has been to evaluate a number of proposed systems regarding the allocation of entitlements to leach nitrogen among commercial farmers within the catchment of Lake Rotorua. A catchment-level economic model was utilised to explore the biophysical and economic implications of diverse allocation systems for nitrogen-leaching entitlements. Key impacts across all scenarios are:

1. An increase in forestry area, around 85% and 60% in Scenarios 1–2 (an increase from 7,095 ha to 11,403 and 13,085 ha respectively)
2. A reduction in dairying area of around 40% from 5024 to 3046 ha.
3. A reduction in sheep and dairy support area of approximately 37% from 3007 to 1900 ha.
4. Remaining dairy farm types must purchase N in order to remain viable. Changes to the allocation system vary the costs for these farm types, but not the optimal management regime.
5. Lower-intensity dairy-support options involve substantial scope for de-intensification at reasonable cost to profit, though this is balanced by relatively high capital impacts.

6. The profit of many drystock enterprises benefits from a capacity to increase their nitrogen-use efficiency and sell entitlements to dairy farm types and the incentives fund.
7. The capital impacts on land prices from reducing nitrogen leaching entitlements are significant for both drystock and dairy farm types.
8. A significant reduction in cow number, nitrogen fertiliser application, supplement use, and farm labour in the dairy sector, with each effect likely to have regional implications.
9. Changes in the efficiency of land-use change or nutrient trading have large implications for the overall cost.

Results show a modest impact on total catchment profit. However, the impacts on profit are distributed unevenly across sectors, land-uses, and spatial zones. Large-scale changes in land-use will also have district or regional implications due to the change in services provided.

Different allocation regimes create further variation in the distribution of cost. In general, drystock farm profits benefit from the ability to sell N (to higher profit per kilogram of N businesses and the incentives fund). Dairy farm profits fall due to the need to acquire N in order to continue operating. Under allocations with more redistribution (such as equal allocation and natural-capital systems), dairy farm profits fall further, but drystock profits are not correspondingly improved. This is due to the majority of redistributed allowances (relative to the current state) being transferred from dairy farms to foresters under these regimes, rather than other pastoral uses. Allocation regimes that require a large amount of redistribution also result in the N price rising due to increased dependence on trading and increased market demand.

Likely capital impacts due to the change of rights in land are significant, particularly when market friction is included and particularly under natural-capital allocation. The combination of profit and capital impacts will have negative consequences for many farmers, though some will be more affected than others. The interaction of profit, debt servicing requirements, and equity impacts may be severe for some farmers, with corresponding social impacts.

6. Limitations

A number of limitations are evident in the study, as with any modelling exercise. Indeed, all modelling studies are inherently flawed given that they cannot replicate reality, and must try to balance capturing the key stylised facts of the problem at hand while also working within real resource constraints, especially those related to budget, data, and time.

The main restrictions of this analysis are:

1. Non-commercial land-uses have not been considered in any detail due to a paucity of data and broad heterogeneity surrounding the cost of mitigating nitrogen loss from this source.
2. The study focuses on dairy, dairy support, sheep and beef, sheep and dairy support, and forestry sectors due to their significance in the study region, relative to other commercial land-uses, and their broad distribution across a number of biophysical conditions. Other commercial land-uses are important in this region, but are not studied here given their smaller contribution (both to the economy and total level of N leaching) and because limited resources complicated extending the coverage of the study to include them.
3. It is difficult to classify land-use among different biophysical zones since land-use changes across time and databases are not updated continuously. Moreover, databases had to be merged to form input data for this modelling, and these different sources differed in their level of quality and recency.
4. The model focuses on the identification of steady-state solutions, and therefore does not directly attempt to address the difficult topics of adaptation and optimal transition. This approach is justified given the complexity of studying intertemporal behaviour in economic models (section 2.1), yet means that innovation and the process of diffusion for mitigation technologies (Pannell et al., 2006) are not represented with any richness. Nevertheless, the implications of land-use transition are considered thoroughly through the incorporation of a detailed description of transition benefits and costs that are borne when such change occurs.
5. A lack of resources (primarily budget, data, and time) has precluded a rich definition of the likely mitigation-cost relationships that exist for individual farms within the catchment. Instead, this analysis follows typical practice (e.g. Doole, 2012;

Daigneault et al., 2012) and integrates average abatement-cost relationships generated for representative farms.

6. The mitigation-cost curves for each farm are estimated by a single farm consultant (Lee Matheson, Perrin Ag Consultants, Rotorua), based on mitigation protocols developed through a deliberative process. However, broader consultation with other consultants and producers during the generation of these curves could have improved their richness and level of representativeness.
7. The model is deterministic and thus does not consider variability in any economic (e.g. product price) or biophysical (e.g. climate) relationships or how farmers can best be expected to respond to this variation. This follows standard practice, given practical difficulties associated with estimating how broadly-diverse farms may respond to such stochasticity in their decision-making environment.
8. An optimisation approach is used to predict expected population responses to the introduction of alternative allocation and trading systems. Neo-classical economics is based on a central premise of perfectly-rational decision making, despite a wealth of experimental evidence opposing this general view (Angner and Loewenstein, 2012). Nevertheless, the utilisation of optimisation methods allows the employment of a consistent way of selecting among alternative solutions, avoiding the arbitrary nature of trial-and-error search that would be required if optimisation were not adopted as the overarching modelling approach at the catchment level. Indeed, the size of the model also complicates any capacity for such a search procedure to efficiently identify suitable optima, further motivating the use of an optimisation methodology.
9. Inherent to the use of a deterministic-optimisation framework, such as that applied in this analysis, is the assumption that the relative impact and value of alternative mitigation options is known with certainty by a central planner with full flexibility, and these options are adopted instantaneously to meet a target at least cost. This provides a highly-optimistic view of the problem facing regulators, given that it typically takes many years for bundles of conservation practices to be adopted across a farming population, particularly given the high level of heterogeneity between farms and farmers (Pannell et al., 2006).
10. Land-use change is a temporal process influenced by many factors, such as input and output price trends, innovation, expectations, productivity, and environmental policy. Sophisticated methods are available to richly represent these dynamics, based on historical trends (Heckeley et al., 2012). A limitation of this analysis is that it does not

deal with land-use change at this level of sophistication. However, a scenario-based approach is deemed to be more valuable, because it links closely with recommended practice for participatory modelling alongside stakeholders (Harris and Snelder, 2014), it bypasses technical difficulties involved with representing land-use change in optimisation models (Doole and Marsh, 2014a, b), it integrates easily with stakeholder expectations regarding the degree of land-use change that will occur, and it is consistent with the fact that it is problematic to estimate future land-use change based on historical data, given that the introduction of nitrogen-leaching limits will introduce a new evolutionary force that will likely affect the trajectory of land-use change in this catchment. There was also strong stakeholder feedback regarding the degree of land-use change allowed in the model, with unlimited conversion being a key scenario to show to what extent management would have to change, relative to the current position, in order to achieve cost-effective mitigation at the catchment scale.

11. The output of the model concerns only farm-level costs, and not those associated with regional impacts. For example, milk production falls by 40% in some scenarios in this report, and this would likely have flow-on impacts to the viability of related industries (such as milk-processing firms) in the region that are not considered in this study. Nonetheless, regional-level impacts have been considered in a related economic study, undertaken by Market Economics.
12. The proximity of land analysed in this study to Lake Rotorua has meant that attenuation has not been represented. This is an apparent simplification given that the groundwater processes present in this catchment are complex and affect the spatial link between nitrogen loss on land and its delivery to the lake (Anastasiadis et al., 2014).
13. The relationship between profit and leaching has been generated using two simulation models—FARMAX and OVERSEER. Both are leading forms of software used to estimate the implications of farm management for profit and leaching, respectively. However, both ultimately provide abstract descriptions of reality.
14. The mitigation protocols used in this study were generated using a deliberative process, building on past experience and research. Nevertheless, there is no guarantee that the mitigation protocols generated represent the best response that average farmers could be expected to have to limits placed on nitrogen leaching. This is particularly so because co-learning across a population of farmers in response to

limits and innovation are both ignored, given pragmatic difficulties associated with estimating these in reality.

15. Distributional impacts across different farmers are not calculated specifically. Fairness and equity principles are difficult to quantify (Holland and Doole, 2014) and capture richly in a model that utilises representative farms to depict mitigation-cost relationships for diverse spatial zones. Nevertheless, distributional impacts are a core focus of the discussion presented in section 4.

Despite these limitations, the development and application of the catchment-level model here is in accordance with standard practice in this field. Hence, it provides a pragmatic and valid method to assess the relative value of diverse allocation mechanisms in the Lake Rotorua catchment.

References

- AgFirst (2009), *Upper Waikato nutrient efficiency study*, AgFirst Waikato, Hamilton.
- AgFirst (2010), *Upper Waikato nutrient efficiency study farmer follow-up*, AgFirst Waikato, Hamilton.
- Anastasiadis, S., Kerr, S., Daigneault, A., Doole, G.J., Greenhalgh, S., Montes de Oca Munguia, O., Rutledge, D., and Turner, J. (2013), *Understanding the practice of land-use modelling*, Motu Report, Wellington. URL: <http://www.pce.parliament.nz/assets/Uploads/The-Practice-of-Land-Use-Modelling.pdf>.
- Anastasiadis, S., Kerr, S., Nauleau, M., Cox, T., and Rutherford, K. (2014), 'Does complex hydrology require complex water quality policy?', *Australian Journal of Agricultural and Resource Economics* 58, pp. 130–145.
- Anastasiadis, S., Kerr, S., Zhang, W., Allan, C., and Power, W. (2014) *Land Use in Rural New Zealand: Spatial Land Use, Land-use Change, and Model Validation*, Motu Working Paper 14-07, Wellington.
- Angner, E., and Loewenstein, G. (2012), 'Behavioural economics', in Maki, U. (ed.), *Handbook of the Philosophy of Science: Philosophy of Economics*, Elsevier, Amsterdam, pp. 641–690.
- Bazaraa, M.S., Sherali, H.D., and Shetty, C.M. (2006), *Nonlinear programming; theory and application*, Wiley, New York.
- Berger, A., Friedrich, T., and Kienzle, J. (2010), 'Conservation agriculture', in: *Encyclopaedia of Life Support Sciences*, UNESCO, Paris, pp. 271–298.
- Beverly, C., Roberts, A.M., Stott, K., Vigiak, O.V., and Doole, G.J. (2013), 'Optimising economic and environmental outcomes: water quality challenges in Corner Inlet, Victoria', *Proceedings of the 20th International Congress on Modelling and Simulation*, Adelaide, Australia, 1–6 December 2013, pp. 2117–2123.
- Brooke, A., Kendrick, D., Meeraus, A., and Raman, R. (2014), *GAMS—A user's guide*, GAMS Development Corporation, Washington D. C.
- Bryant, J.R., Ogle, G., Marshall, P.R., Glassey, C.B., Lancaster, J.A.S., Garcia, S.C., and Holmes, C.W. (2010), 'Description and evaluation of the Farmax Dairy Pro decision support model', *New Zealand Journal of Agricultural Research* 53, pp. 13–28.
- Cichota, R., and Snow, V.O. (2009), 'Estimating nutrient loss to waterways—An overview of models of relevance to New Zealand pastoral farms', *New Zealand Journal of Agricultural Research* 52, pp. 239–260.

- Daigneault, A., and Morgan, F. (2012), 'Estimating impacts of climate change policy on land-use: an agent-based approach', *American Agricultural and Applied Economics Association 2012 Annual Meeting*, Seattle.
- Daigneault, A., McDonald, H., Elliott, S., Howard-Williams, C., Greenhalgh, S., Guysev, M., Kerr, S., Lennox, J., Lilburne, L., Morgenstern, U., Norton, N., Quinn, J., Rutherford, K., Snelder, T., and Wilcock, B. (2012), *Evaluation of the impact of different policy options for managing to water quality limits*, MPI Technical Paper No 2012/46, Wellington. Available at: <http://www.motu.org.nz/files/docs/2012-46-LC979-Eval-policy-options-water-quality-MainReport.pdf>.
- Daigneault, A., Greenhalgh, S., and Samarasinghe, O. (2014), 'Using mathematical programming approaches to evaluate policies to reduce nitrate leaching in New Zealand', *Australian Journal of Agricultural and Resource Economics* 58, pp. 281–290.
- DairyNZ Economics Group (2014), *Waikato dairy farm mitigation impacts*, DairyNZ, Hamilton.
- de Frahan, B., Buysse, J., Polome, P., Fernagut, B., Harmignie, O., Lauwers, L., Van Huylenbroeck, G., and Van Meensel, J. (2007), 'Positive mathematical programming for agricultural and environmental policy analysis: review and practice', in Weintraub, A., Bjorndal, T., Epstein, R., and Romero, C. (Eds.), *Management of natural resources: a handbook of operations research models, algorithms, and implementations*, Springer-Verlag, New York, pp. 138–160.
- Doole, G.J., and Pannell, D.J. (2008), 'On the economic analysis of crop rotations', in Berklian, Y.U. (ed.), *Crop rotation: economics, impact, and management*, Nova Science Publishers, Hauppauge, pp. 71–106.
- Doole, G.J. (2010), 'Indirect instruments for nonpoint pollution control with multiple, dissimilar agents', *Journal of Agricultural Economics* 61, pp. 680–696.
- Doole, G.J., and Parangahawewa, U. (2011), 'Profitability of nitrification inhibitors for abatement of nitrate leaching on a representative dairy farm in the Waikato region of New Zealand', *Water* 3, pp. 1031–1049.
- Doole, G.J., and Pannell, D.J. (2011), 'Evaluating environmental policies under uncertainty through application of robust nonlinear programming', *Australian Journal of Agricultural and Resource Economics* 55, pp. 469–486.
- Doole, G.J., Ramilan, T., and Pannell, D.J. (2011), 'Framework for evaluating management interventions for water quality improvement across multiple agents', *Environmental Modelling and Software* 26, pp. 860–872.

- Doole, G.J. (2012), 'Cost-effective policies for improving water quality by reducing nitrate emissions from diverse dairy farms: an abatement-cost perspective', *Agricultural Water Management* 104, pp. 10–20.
- Doole, G.J. (2013), *Evaluation of policies for water quality improvement in the Upper Waikato catchment*, University of Waikato client report, Hamilton. URL: <http://www.mfe.govt.nz/issues/water/freshwater/supportingpapers/evaluation-water-quality-upper-waikato.pdf>.
- Doole, G.J., Vigiak, O.V., Pannell, D.J., and Roberts, A.M. (2013a), 'Cost-effective strategies to mitigate multiple pollutants in an agricultural catchment in North-Central Victoria, Australia', *Australian Journal of Agricultural and Resource Economics* 57, pp. 441–460.
- Doole, G.J., Romera, A.J., and Adler, A.A. (2013b), 'A mathematical optimisation model of a New Zealand dairy farm', *Journal of Dairy Science* 96, pp. 2147–2160.
- Doole, G.J. (2014), 'Least cost greenhouse gas mitigation on New Zealand dairy farms', *Nutrient Cycling in Agroecosystems* 98, pp. 235–251.
- Doole, G.J., and Marsh, D.K. (2014a), 'Methodological limitations in the evaluation of policies to reduce nitrate leaching from New Zealand agriculture', *Australian Journal of Agricultural and Resource Economics* 58, pp. 78–89.
- Doole, G.J., and Marsh, D.K. (2014b), 'Use of positive mathematical programming invalidates the application of the NZFARM model', *Australian Journal of Agricultural and Resource Economics* 58, pp. 291–294.
- Doole, G.J. (2015a), 'Efficient mitigation of nitrogen leaching in pasture-based dairy systems', *Nutrient Cycling in Agroecosystems* 101, pp. 193–209.
- Doole, G.J. (2015b), 'A modelling framework for determining cost-effective land allocation at the catchment level', *Computers and Electronics in Agriculture* 114, pp. 221–230.
- Doole, G.J. (2015c), 'How sound are market solutions for reducing nutrient outflows from agriculture?', forthcoming.
- Doole, G.J., and Kingwell, R.S. (2015), 'Efficient economic and environmental management of pastoral systems: theory and application', *Agricultural Systems* 133, pp. 73–84.
- Gonzalez, C., and Dutt, V. (2011), 'Instance-based learning: integrating sampling and repeated decisions from experience', *Psychological Review* 118, pp. 523–551.
- Hanley, N., Shogren, J., and White, B. (2007), *Environmental economics: in theory and practice*, Palgrave Macmillan, Basingstoke.

- Harris, S., and Snelder, T. (2014), 'The role of scenarios in limit setting', *Presentation at the Water Directorate Water Economics Workshop (27 August 2014)*, Nelson.
- Hart, G., Rutledge, D., Vare, M., and Huser, B. (2013), *An evaluation and prioritisation of ecosystem services models for inclusion into the Waikato Integrated Scenario Explorer (WISE)*, Waikato Regional Council Technical Report 2013/28, Hamilton.
- Heckeley, T., and Britz, W. (2000), 'Positive mathematical programming with multiple data points', *Cahiers d'Economie et Sociologie Rurales* 57, pp. 28–50.
- Heckeley, T. (2002), *Calibration and estimation of programming models for agricultural supply analysis*, University of Bonn Habitation Thesis, Bonn.
- Heckeley, T., and Wolff, H. (2003), 'Estimation of constrained optimisation models for agricultural supply analysis based on maximum entropy', *European Review of Agricultural Economics* 30, pp. 27–50.
- Heckeley, T., and Britz, W. (2005), 'Models based on Positive Mathematical Programming: state of the art and further extensions', In Arfini, F. (ed.), *Modelling agricultural policies: state of the art and new challenges. Proceedings of the 89th European seminar of the European Association of Agricultural Economics*, University of Parma, Parma, pp. 48–73.
- Heckeley, T., Britz, W., and Zhang, Y. (2012), 'Positive mathematical programming approaches—recent developments in literature and applied modelling', *Bio-based and Applied Economics* 1, pp. 109–124.
- Holland, L.M., and Doole, G.J. (2014), 'Implications of fairness for the design of nitrate leaching policy for heterogeneous New Zealand dairy farms', *Agricultural Water Management* 132, pp. 79–88.
- Howard, S., Romera, A.J., and Doole, G.J. (2013), *Selwyn-Waihora nitrogen loss reductions and allocation systems*, DairyNZ, Hamilton.
- Howitt, R.E. (1995), 'Positive mathematical programming', *American Journal of Agricultural Economics* 77, pp. 329–342.
- Jiang, N. (2011), *Efficiency analysis of New Zealand dairy farming and the issue of climate change policy*, University of Auckland PhD thesis, Auckland.
- Johnson, I.R., Chapman, D.F., Snow, V.O., Eckard, R.J., Parsons, A.J., Lambert, M.G., and Cullen, B.R. (2008), 'DairyMod and EcoMod: biophysical pastoral simulation models for Australia and New Zealand', *Australian Journal of Experimental Agriculture* 48, pp. 621–631.

- Keating, B.A., Carberry, P.S., Hammer, G.L., Probert, M.E., Robertson, M.J., Holzworth, D., Huth, N.I., Hargreaves, J.N.G., Meinke, H., Hochman, Z., McLean, G., Verburg, K., Snow, V., Dimes, J.P., Silburn, M., Wang, E., Brown, S., Bristow, K.L., Asseng, S., Chapman, S., McCown, R.L., Freebairn, D.M., and Smith, C.J., (2003), 'An overview of APSIM, a model designed for farming systems simulation', *European Journal of Agronomy* 18, pp. 267–288.
- Klein-Haneveld, W.K., and Stegeman, A.W. (2005), 'Crop succession requirements in agricultural production planning', *European Journal of Operational Research* 166, pp. 406–429.
- Lamblin, E.F., Rounsevell, M.D.A., and Geist, H.J. (2000), 'Are agricultural land-use models able to predict land-use intensity?', *Agriculture, Ecosystems and Environment* 82, pp. 321–331.
- Li, F.Y., Vibart, R., Dynes, R.A., Vogeler, I., and Brown, M. (2012), 'Effects of weather variability on sheep and beef farming in northern Southland, New Zealand: A modelling analysis', *Proceedings of the New Zealand Grasslands Association* 74, pp. 77–84.
- Matheson, L. (2015), *Land-use conversion costs*, Memorandum to the Bay of Plenty Regional Council, Rotorua.
- McKay, A., Power, I., Green, S.R., and Clothier, B.E. (2012), *Comparison of the nutrient outputs from the SPASMO and OVERSEER models*, AgResearch Client Report, Palmerston North.
- New Zealand Institute of Economic Research (NZIER) (2014), *Potential impacts of water-related policies in Southland*, NZIER, Wellington.
- Pannell, D.J., Marshall, G.R., Barr, N., Curtis, A., Vanclay, F., and Wilkinson, R. (2006), 'Understanding and promoting adoption of conservation practices by rural landholders', *Australian Journal of Experimental Agriculture* 46, pp. 1407–1424.
- Pannell, D.J., Llewellyn, R.S., and Corbeels, M. (2014), 'The farm-level economics of conservation agriculture for resource-poor farmers', *Agriculture, Ecosystems, and Environment* 187, pp. 52–64.
- Perrin Agricultural Consultants (PAC) (2014), *Rotorua Nitrogen Discharge Allowance (NDA) impact analysis*, Perrin Ag Consultants, Rotorua.
- Perrin Agricultural Consultants (PAC) (2015), *Upper Waikato dairy support study*, PAC, Rotorua.

- Pindyck, R.S. (2007), 'Uncertainty in environmental economics', *Review of Environmental Economics and Policy* 1, pp. 45–65.
- Ridler, B.J., Anderson, W.J., and McCallum, R. (2014), 'Winning the farm environment versus profit conundrum', *Proceedings of the 5th Australasian Dairy Science Symposium*, pp. 59–61.
- Robb, C., Morgan, M., and Harris, S. (2001), *Attitudes and barriers to water transfer*, Lincoln Environmental Report 4464/1, Lincoln.
- Rogers, E.M. (1995), *Diffusion of innovations*, Free Press, New York.
- Rosen, M. R., Reeves, R.R., Green, S., Clothier, B.E., and Ironside, N. (2004), 'Prediction of groundwater nitrate contamination after closure of an unlined sheep feedlot', *Vadose Zone Journal* 3, pp. 990–1006.
- Schilling, C., Kaye-Blake, W., Post, E., and Rains, S. (2012), 'The Importance of farmer behaviour: an application of desktop MAS, a Multi-Agent System model for rural New Zealand communities', *New Zealand Agricultural and Resource Economics Society 2012 Annual Conference*, Nelson.
- Shepherd, M., and Wheeler, D. (2012), *Changes to the pastoral nitrogen model in OVERSEER*, Agresearch OVERSEER Technical Note No. 5, Hamilton. URL: <http://www.overseer.org.nz/Portals/0/Technical%20notes/Overseer%20Technical%20Note%205%20August%202012.pdf>.
- Shepherd, M., Wheeler, D., Selbie, D., Buckthought L., and Freeman, M. (2013), 'OVERSEER: accuracy, precision, error, and uncertainty', In Currie, L.D., and Christensen, C.L., *Accurate and efficient use of nutrients on farms*, Massey University, Palmerston North, pp. 1–8. URL: http://www.overseer.org.nz/Portals/0/References/FLRC_Shepherd_2_2013.pdf.
- Shortle, J.S. (2013), 'Economics and environmental markets: lessons from water quality trading', *Agricultural and Resource Economics Review* 42, pp. 57–74.
- Wade, J.C., and Heady, E.O. (1978), 'Measurement of sediment control impacts on agriculture', *Water Resources Research* 14, pp. 1–8.
- Wheeler, D.M., Ledgard, S.F., Monaghan, R.M., McDowell, R.W., and de Klein, C.A.M. (2006), 'OVERSEER nutrient budget model—What it is, what it does', In Currie, L.D., and Hanly, J.A. (eds.), *Implementing sustainable nutrient management strategies in agriculture*; Massey University, Palmerston North, pp. 231–236.
- White, T.A., Snow, V.O., and King, W. (2010), 'Intensification of New Zealand beef farming systems', *Agricultural Systems* 103, pp. 21–35.

Windrum, P., Fagiolo, G., and Alessio, M. (2007), 'Empirical validation of agent-based models: alternatives and prospects', *Journal of Artificial Societies and Social Simulation* 10, URL: <http://jasss.soc.surrey.ac.uk/10/2/8.html>.

Appendix 1: Dairy information

dai	Dairy information
fa	farm size (ha)
fe	farm effective area (ha)
op375	operating profit with average beef price of \$3.75/kg cwt
op420	operating profit with average beef price of \$4.20/kg cwt
nl	N leaching (kg/ha)
pl	P losses (kg/ha)
ms	milk solids (kg MS/ha)
sr	stocking rate (peak milking cows /ha)
go	number of cows wintered off farm % peak cows milked
oc	cows stood-off (heads/ha)
nf	nitrogen fertilizer use (kg N/ha)
sp	supplementary feed (t/ha)
r1	rising 1 year olds (heads/ha)
r2	rising 2 year olds (heads/ha)
ef	Extra capital investment in effluent system (\$/ha)
so	Extra capital investment in standoff facilities (\$/ha)
ims	imported maize silage (t/ha)
pms	produced maize silage (t/ha)
la	labour (FTE)

soil	rain	slope	mod	fa	fe	op375	op420	nl	pl	ms	sr	go	oc	nf	sp
Al	1500-1700	0-8	1	219	219	1325	1366	77	1.5	1042	3	16.5	0	214	2
Al	1500-1700	0-8	2	219	219	1192	1233	62	1.5	1041	3	16.5	0	153	2.6
Al	1500-1700	0-8	3	219	219	1214	1255	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	0-8	4	219	219	1220	1260	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	0-8	5	219	219	1182	1222	62	1.5	1027	3	16.5	0	153	2.4
Al	1500-1700	0-8	6	219	219	1142	1183	62	1.5	1013	3	16.5	0	153	2.2
Al	1500-1700	0-8	7	219	219	1109	1148	56	1.5	972	2.9	16.5	0	100	2.2
Al	1500-1700	0-8	8	219	219	1079	1119	55	1.5	964	2.9	16.5	0	100	2.1
Al	1500-1700	0-8	9	219	208	1108	1148	53	1.4	978	2.9	16.5	0	100	2.1
Al	1500-1700	16-26	1	219	219	1325	1366	77	1.5	1042	3	16.5	0	214	2
Al	1500-1700	16-26	2	219	219	1192	1233	62	1.5	1041	3	16.5	0	153	2.6
Al	1500-1700	16-26	3	219	219	1214	1255	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	16-26	4	219	219	1220	1260	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	16-26	5	219	219	1182	1222	62	1.5	1027	3	16.5	0	153	2.4
Al	1500-1700	16-26	6	219	219	1142	1183	62	1.5	1013	3	16.5	0	153	2.2
Al	1500-1700	16-26	7	219	219	1109	1148	56	1.5	972	2.9	16.5	0	100	2.2
Al	1500-1700	16-26	8	219	219	1079	1119	55	1.5	964	2.9	16.5	0	100	2.1
Al	1500-1700	16-26	9	219	208	1108	1148	53	1.4	978	2.9	16.5	0	100	2.1
Al	1500-1700	8-16	1	219	219	1325	1366	77	1.5	1042	3	16.5	0	214	2
Al	1500-1700	8-16	2	219	219	1192	1233	62	1.5	1041	3	16.5	0	153	2.6
Al	1500-1700	8-16	3	219	219	1214	1255	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	8-16	4	219	219	1220	1260	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	8-16	5	219	219	1182	1222	62	1.5	1027	3	16.5	0	153	2.4
Al	1500-1700	8-16	6	219	219	1142	1183	62	1.5	1013	3	16.5	0	153	2.2
Al	1500-1700	8-16	7	219	219	1109	1148	56	1.5	972	2.9	16.5	0	100	2.2
Al	1500-1700	8-16	8	219	219	1079	1119	55	1.5	964	2.9	16.5	0	100	2.1
Al	1500-1700	8-16	9	219	208	1108	1148	53	1.4	978	2.9	16.5	0	100	2.1
Al	1500-1700	GT26	1	219	219	1325	1366	77	1.5	1042	3	16.5	0	214	2
Al	1500-1700	GT26	2	219	219	1192	1233	62	1.5	1041	3	16.5	0	153	2.6
Al	1500-1700	GT26	3	219	219	1214	1255	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	GT26	4	219	219	1220	1260	62	1.5	1042	3	16.5	0	153	2.5
Al	1500-1700	GT26	5	219	219	1182	1222	62	1.5	1027	3	16.5	0	153	2.4
Al	1500-1700	GT26	6	219	219	1142	1183	62	1.5	1013	3	16.5	0	153	2.2
Al	1500-1700	GT26	7	219	219	1109	1148	56	1.5	972	2.9	16.5	0	100	2.2
Al	1500-1700	GT26	8	219	219	1079	1119	55	1.5	964	2.9	16.5	0	100	2.1
Al	1500-1700	GT26	9	219	208	1108	1148	53	1.4	978	2.9	16.5	0	100	2.1
Po	1500-1700	0-8	1	219	219	1967	2011	62	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	0-8	2	219	219	1982	2027	61	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	0-8	3	219	219	1904	1949	61	1.8	1089	2.8	33.1	0	99	3
Po	1500-1700	0-8	4	219	219	1857	1902	61	1.8	1066	2.8	33.1	0	99	2.7
Po	1500-1700	0-8	5	219	219	1857	1901	59	1.7	1064	2.8	33.1	0	99	2.6
Po	1500-1700	0-8	6	219	208	1956	2000	57	1.7	1089	2.8	33.1	0	99	2.7
Po	1500-1700	16-26	1	219	219	1967	2011	62	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	16-26	2	219	219	1982	2027	61	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	16-26	3	219	219	1904	1949	61	1.8	1089	2.8	33.1	0	99	3

soil	rain	slope	mod	fa	fe	op375	op420	nl	pl	ms	sr	go	oc	nf	sp
Po	1500-1700	16-26	4	219	219	1857	1902	61	1.8	1066	2.8	33.1	0	99	2.7
Po	1500-1700	16-26	5	219	219	1857	1901	59	1.7	1064	2.8	33.1	0	99	2.6
Po	1500-1700	16-26	6	219	208	1956	2000	57	1.7	1089	2.8	33.1	0	99	2.7
Po	1500-1700	8-16	1	219	219	1967	2011	62	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	8-16	2	219	219	1982	2027	61	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	8-16	3	219	219	1904	1949	61	1.8	1089	2.8	33.1	0	99	3
Po	1500-1700	8-16	4	219	219	1857	1902	61	1.8	1066	2.8	33.1	0	99	2.7
Po	1500-1700	8-16	5	219	219	1857	1901	59	1.7	1064	2.8	33.1	0	99	2.6
Po	1500-1700	8-16	6	219	208	1956	2000	57	1.7	1089	2.8	33.1	0	99	2.7
Po	1500-1700	GT26	1	219	219	1967	2011	62	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	GT26	2	219	219	1982	2027	61	1.8	1115	2.8	33.1	0	99	3.2
Po	1500-1700	GT26	3	219	219	1904	1949	61	1.8	1089	2.8	33.1	0	99	3
Po	1500-1700	GT26	4	219	219	1857	1902	61	1.8	1066	2.8	33.1	0	99	2.7
Po	1500-1700	GT26	5	219	219	1857	1901	59	1.7	1064	2.8	33.1	0	99	2.6
Po	1500-1700	GT26	6	219	208	1956	2000	57	1.7	1089	2.8	33.1	0	99	2.7
Po	GT2000	0-8	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	0-8	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	0-8	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
Po	GT2000	0-8	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
Po	GT2000	0-8	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
Po	GT2000	0-8	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7
Po	GT2000	16-26	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	16-26	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	16-26	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
Po	GT2000	16-26	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
Po	GT2000	16-26	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
Po	GT2000	16-26	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7
Po	GT2000	8-16	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	8-16	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	8-16	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
Po	GT2000	8-16	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
Po	GT2000	8-16	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
Po	GT2000	8-16	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7
Po	GT2000	GT26	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	GT26	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	GT26	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
Po	GT2000	GT26	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
Po	GT2000	GT26	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
Po	GT2000	GT26	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7
Po	GT2000	na	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	na	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
Po	GT2000	na	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
Po	GT2000	na	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
Po	GT2000	na	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
Po	GT2000	na	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7

soil	rain	slope	mod	fa	fe	op375	op420	nl	pl	ms	sr	go	oc	nf	sp
Pu	1500-1700	0-8	1	219	219	1377	1418	71	1.4	1025	2.8	60.4	0	190	1.9
Pu	1500-1700	0-8	2	219	219	1387	1427	70	1.4	1025	2.8	60.4	0	190	1.8
Pu	1500-1700	0-8	3	219	219	1360	1400	64	1.4	1025	2.8	60.4	0	162	2
Pu	1500-1700	0-8	4	219	219	1379	1419	63	1.4	1025	2.8	60.4	0	162	1.9
Pu	1500-1700	0-8	5	219	219	1419	1459	63	1.4	1026	2.8	60.4	0	162	1.9
Pu	1500-1700	0-8	6	219	219	1386	1425	63	1.4	1013	2.8	60.4	0	162	1.7
Pu	1500-1700	0-8	7	219	219	1302	1342	63	1.4	972	2.8	60.4	0	162	1.5
Pu	1500-1700	0-8	8	219	219	1150	1190	58	1.4	931	2.8	60.4	0	102	1.5
Pu	1500-1700	0-8	9	219	219	1151	1191	58	1.4	929	2.8	60.4	0	102	1.4
Pu	1500-1700	0-8	10	219	208	1203	1243	56	1.3	940	2.8	60.4	0	107	1.5
Pu	1500-1700	16-26	1	219	219	626	661	54	5	623	1.8	24.6	0	53	2.3
Pu	1500-1700	16-26	2	219	219	608	643	52	5	622	1.8	24.6	0	53	2.3
Pu	1500-1700	16-26	3	219	219	630	665	51	5	623	1.8	24.6	0	53	2.2
Pu	1500-1700	16-26	4	219	219	625	660	51	5	613	1.8	24.6	0	53	2.1
Pu	1500-1700	16-26	5	219	219	601	636	51	5	597	1.8	24.6	0	53	2
Pu	1500-1700	16-26	6	219	219	480	527	46	5.1	573	1.8	24.6	0	53	1.9
Pu	1500-1700	16-26	7	219	208	535	571	42	4.8	588	1.8	24.6	0	52	1.9
Pu	1500-1700	8-16	1	219	219	1377	1418	71	1.4	1025	2.8	60.4	0	190	1.9
Pu	1500-1700	8-16	2	219	219	1387	1427	70	1.4	1025	2.8	60.4	0	190	1.8
Pu	1500-1700	8-16	3	219	219	1360	1400	64	1.4	1025	2.8	60.4	0	162	2
Pu	1500-1700	8-16	4	219	219	1379	1419	63	1.4	1025	2.8	60.4	0	162	1.9
Pu	1500-1700	8-16	5	219	219	1419	1459	63	1.4	1026	2.8	60.4	0	162	1.9
Pu	1500-1700	8-16	6	219	219	1386	1425	63	1.4	1013	2.8	60.4	0	162	1.7
Pu	1500-1700	8-16	7	219	219	1302	1342	63	1.4	972	2.8	60.4	0	162	1.5
Pu	1500-1700	8-16	8	219	219	1150	1190	58	1.4	931	2.8	60.4	0	102	1.5
Pu	1500-1700	8-16	9	219	219	1151	1191	58	1.4	929	2.8	60.4	0	102	1.4
Pu	1500-1700	8-16	10	219	208	1203	1243	56	1.3	940	2.8	60.4	0	107	1.5
Pu	1500-1700	GT26	1	219	219	626	661	54	5	623	1.8	24.6	0	53	2.3
Pu	1500-1700	GT26	2	219	219	608	643	52	5	622	1.8	24.6	0	53	2.3
Pu	1500-1700	GT26	3	219	219	630	665	51	5	623	1.8	24.6	0	53	2.2
Pu	1500-1700	GT26	4	219	219	625	660	51	5	613	1.8	24.6	0	53	2.1
Pu	1500-1700	GT26	5	219	219	601	636	51	5	597	1.8	24.6	0	53	2
Pu	1500-1700	GT26	6	219	219	480	527	46	5.1	573	1.8	24.6	0	53	1.9
Pu	1500-1700	GT26	7	219	208	535	571	42	4.8	588	1.8	24.6	0	52	1.9
Pu	1700-2000	0-8	1	219	219	1377	1418	81	1.4	1025	2.8	60.4	0	190	1.9
Pu	1700-2000	0-8	2	219	219	1387	1427	80	1.4	1025	2.8	60.4	0	190	1.8
Pu	1700-2000	0-8	3	219	219	1360	1400	73	1.4	1025	2.8	60.4	0	162	2
Pu	1700-2000	0-8	4	219	219	1379	1419	72	1.4	1025	2.8	60.4	0	162	1.9
Pu	1700-2000	0-8	5	219	219	1419	1459	72	1.4	1026	2.8	60.4	0	162	1.9
Pu	1700-2000	0-8	6	219	219	1386	1425	72	1.4	1013	2.8	60.4	0	162	1.7
Pu	1700-2000	0-8	7	219	219	1302	1342	72	1.4	972	2.8	60.4	0	162	1.5
Pu	1700-2000	0-8	8	219	219	1150	1190	66	1.4	931	2.8	60.4	0	102	1.5
Pu	1700-2000	0-8	9	219	219	1151	1191	66	1.4	929	2.8	60.4	0	102	1.4
Pu	1700-2000	0-8	10	219	208	1203	1243	64	1.3	940	2.8	60.4	0	107	1.5
Pu	1700-2000	16-26	1	219	219	626	661	60	5	623	1.8	24.6	0	53	2.3

soil	rain	slope	mod	fa	fe	op375	op420	nl	pl	ms	sr	go	oc	nf	sp
Pu	1700-2000	16-26	2	219	219	608	643	58	5	622	1.8	24.6	0	53	2.3
Pu	1700-2000	16-26	3	219	219	630	665	57	5	623	1.8	24.6	0	53	2.2
Pu	1700-2000	16-26	4	219	219	625	660	57	5	613	1.8	24.6	0	53	2.1
Pu	1700-2000	16-26	5	219	219	601	636	57	5	597	1.8	24.6	0	53	2
Pu	1700-2000	16-26	6	219	219	480	527	51	5.1	573	1.8	24.6	0	53	1.9
Pu	1700-2000	16-26	7	219	208	535	571	47	4.8	588	1.8	24.6	0	52	1.9
Pu	1700-2000	8-16	1	219	219	1377	1418	81	1.4	1025	2.8	60.4	0	190	1.9
Pu	1700-2000	8-16	2	219	219	1387	1427	80	1.4	1025	2.8	60.4	0	190	1.8
Pu	1700-2000	8-16	3	219	219	1360	1400	73	1.4	1025	2.8	60.4	0	162	2
Pu	1700-2000	8-16	4	219	219	1379	1419	72	1.4	1025	2.8	60.4	0	162	1.9
Pu	1700-2000	8-16	5	219	219	1419	1459	72	1.4	1026	2.8	60.4	0	162	1.9
Pu	1700-2000	8-16	6	219	219	1386	1425	72	1.4	1013	2.8	60.4	0	162	1.7
Pu	1700-2000	8-16	7	219	219	1302	1342	72	1.4	972	2.8	60.4	0	162	1.5
Pu	1700-2000	8-16	8	219	219	1150	1190	66	1.4	931	2.8	60.4	0	102	1.5
Pu	1700-2000	8-16	9	219	219	1151	1191	66	1.4	929	2.8	60.4	0	102	1.4
Pu	1700-2000	8-16	10	219	208	1203	1243	64	1.3	940	2.8	60.4	0	107	1.5
Pu	1700-2000	GT26	1	219	219	626	661	60	5	623	1.8	24.6	0	53	2.3
Pu	1700-2000	GT26	2	219	219	608	643	58	5	622	1.8	24.6	0	53	2.3
Pu	1700-2000	GT26	3	219	219	630	665	57	5	623	1.8	24.6	0	53	2.2
Pu	1700-2000	GT26	4	219	219	625	660	57	5	613	1.8	24.6	0	53	2.1
Pu	1700-2000	GT26	5	219	219	601	636	57	5	597	1.8	24.6	0	53	2
Pu	1700-2000	GT26	6	219	219	480	527	51	5.1	573	1.8	24.6	0	53	1.9
Pu	1700-2000	GT26	7	219	208	535	571	47	4.8	588	1.8	24.6	0	52	1.9
Pu	GT2000	0-8	1	219	219	899	932	84	2.2	779	2.3	18.4	0	119	1.6
Pu	GT2000	0-8	2	219	219	858	885	80	2.3	779	2.3	18.4	0	119	1.6
Pu	GT2000	0-8	3	219	219	799	826	76	2.3	781	2.3	18.4	0	100	1.8
Pu	GT2000	0-8	4	219	219	807	822	74	2.2	780	2.3	18.4	0	100	1.7
Pu	GT2000	0-8	5	219	219	765	793	74	2.2	766	2.3	18.4	0	100	1.7
Pu	GT2000	0-8	6	219	219	728	756	74	2.2	751	2.3	18.4	0	100	1.6
Pu	GT2000	0-8	7	219	208	781	812	73	2.2	764	2.3	18.4	0	100	1.6
Pu	GT2000	16-26	1	219	219	899	932	84	2.2	779	2.3	18.4	0	119	1.6
Pu	GT2000	16-26	2	219	219	858	885	80	2.3	779	2.3	18.4	0	119	1.6
Pu	GT2000	16-26	3	219	219	799	826	76	2.3	781	2.3	18.4	0	100	1.8
Pu	GT2000	16-26	4	219	219	807	822	74	2.2	780	2.3	18.4	0	100	1.7
Pu	GT2000	16-26	5	219	219	765	793	74	2.2	766	2.3	18.4	0	100	1.7
Pu	GT2000	16-26	6	219	219	728	756	74	2.2	751	2.3	18.4	0	100	1.6
Pu	GT2000	16-26	7	219	208	781	812	73	2.2	764	2.3	18.4	0	100	1.6
Pu	GT2000	8-16	1	219	219	899	932	84	2.2	779	2.3	18.4	0	119	1.6
Pu	GT2000	8-16	2	219	219	858	885	80	2.3	779	2.3	18.4	0	119	1.6
Pu	GT2000	8-16	3	219	219	799	826	76	2.3	781	2.3	18.4	0	100	1.8
Pu	GT2000	8-16	4	219	219	807	822	74	2.2	780	2.3	18.4	0	100	1.7
Pu	GT2000	8-16	5	219	219	765	793	74	2.2	766	2.3	18.4	0	100	1.7
Pu	GT2000	8-16	6	219	219	728	756	74	2.2	751	2.3	18.4	0	100	1.6
Pu	GT2000	8-16	7	219	208	781	812	73	2.2	764	2.3	18.4	0	100	1.6
Pu	GT2000	GT26	1	219	219	899	932	84	2.2	779	2.3	18.4	0	119	1.6

soil	rain	slope	mod	fa	fe	op375	op420	nl	pl	ms	sr	go	oc	nf	sp
Pu	GT2000	GT26	2	219	219	858	885	80	2.3	779	2.3	18.4	0	119	1.6
Pu	GT2000	GT26	3	219	219	799	826	76	2.3	781	2.3	18.4	0	100	1.8
Pu	GT2000	GT26	4	219	219	807	822	74	2.2	780	2.3	18.4	0	100	1.7
Pu	GT2000	GT26	5	219	219	765	793	74	2.2	766	2.3	18.4	0	100	1.7
Pu	GT2000	GT26	6	219	219	728	756	74	2.2	751	2.3	18.4	0	100	1.6
Pu	GT2000	GT26	7	219	208	781	812	73	2.2	764	2.3	18.4	0	100	1.6
Re	1500-1700	0-8	1	219	219	1439	1479	73	1.7	1022	2.8	60.4	0	190	1.9
Re	1500-1700	0-8	2	219	219	1410	1451	72	1.7	1021	2.8	60.4	0	190	1.8
Re	1500-1700	0-8	3	219	219	1274	1314	61	1.7	1023	2.8	60.4	0	118	2.6
Re	1500-1700	0-8	4	219	219	1309	1349	58	1.7	1022	2.8	60.4	0	118	2.4
Re	1500-1700	0-8	5	219	219	1215	1255	58	1.7	986	2.8	60.4	0	118	2.2
Re	1500-1700	0-8	6	219	219	1182	1222	58	1.7	975	2.8	60.4	0	118	2.1
Re	1500-1700	0-8	7	219	219	1101	1141	56	1.7	945	2.8	60.4	0	100	2
Re	1500-1700	0-8	8	219	219	1096	1136	56	1.7	938	2.8	60.4	0	100	2
Re	1500-1700	0-8	9	219	208	1143	1184	54	1.5	958	2.8	60.4	0	100	2
Re	1500-1700	16-26	1	219	219	1439	1479	73	1.7	1022	2.8	60.4	0	190	1.9
Re	1500-1700	16-26	2	219	219	1410	1451	72	1.7	1021	2.8	60.4	0	190	1.8
Re	1500-1700	16-26	3	219	219	1274	1314	61	1.7	1023	2.8	60.4	0	118	2.6
Re	1500-1700	16-26	4	219	219	1309	1349	58	1.7	1022	2.8	60.4	0	118	2.4
Re	1500-1700	16-26	5	219	219	1215	1255	58	1.7	986	2.8	60.4	0	118	2.2
Re	1500-1700	16-26	6	219	219	1182	1222	58	1.7	975	2.8	60.4	0	118	2.1
Re	1500-1700	16-26	7	219	219	1101	1141	56	1.7	945	2.8	60.4	0	100	2
Re	1500-1700	16-26	8	219	219	1096	1136	56	1.7	938	2.8	60.4	0	100	2
Re	1500-1700	16-26	9	219	208	1143	1184	54	1.5	958	2.8	60.4	0	100	2
Re	1500-1700	8-16	1	219	219	1439	1479	73	1.7	1022	2.8	60.4	0	190	1.9
Re	1500-1700	8-16	2	219	219	1410	1451	72	1.7	1021	2.8	60.4	0	190	1.8
Re	1500-1700	8-16	3	219	219	1274	1314	61	1.7	1023	2.8	60.4	0	118	2.6
Re	1500-1700	8-16	4	219	219	1309	1349	58	1.7	1022	2.8	60.4	0	118	2.4
Re	1500-1700	8-16	5	219	219	1215	1255	58	1.7	986	2.8	60.4	0	118	2.2
Re	1500-1700	8-16	6	219	219	1182	1222	58	1.7	975	2.8	60.4	0	118	2.1
Re	1500-1700	8-16	7	219	219	1101	1141	56	1.7	945	2.8	60.4	0	100	2
Re	1500-1700	8-16	8	219	219	1096	1136	56	1.7	938	2.8	60.4	0	100	2
Re	1500-1700	8-16	9	219	208	1143	1184	54	1.5	958	2.8	60.4	0	100	2
Re	1500-1700	GT26	1	219	219	1439	1479	73	1.7	1022	2.8	60.4	0	190	1.9
Re	1500-1700	GT26	2	219	219	1410	1451	72	1.7	1021	2.8	60.4	0	190	1.8
Re	1500-1700	GT26	3	219	219	1274	1314	61	1.7	1023	2.8	60.4	0	118	2.6
Re	1500-1700	GT26	4	219	219	1309	1349	58	1.7	1022	2.8	60.4	0	118	2.4
Re	1500-1700	GT26	5	219	219	1215	1255	58	1.7	986	2.8	60.4	0	118	2.2
Re	1500-1700	GT26	6	219	219	1182	1222	58	1.7	975	2.8	60.4	0	118	2.1
Re	1500-1700	GT26	7	219	219	1101	1141	56	1.7	945	2.8	60.4	0	100	2
Re	1500-1700	GT26	8	219	219	1096	1136	56	1.7	938	2.8	60.4	0	100	2
Re	1500-1700	GT26	9	219	208	1143	1184	54	1.5	958	2.8	60.4	0	100	2
Re	LT1500	0-8	1	219	219	1439	1479	60	1.7	1022	2.8	60.4	0	190	1.9
Re	LT1500	0-8	2	219	219	1410	1451	59	1.7	1021	2.8	60.4	0	190	1.8
Re	LT1500	0-8	3	219	219	1274	1314	50	1.7	1023	2.8	60.4	0	118	2.6

soil	rain	slope	mod	fa	fe	op375	op420	nl	pl	ms	sr	go	oc	nf	sp
Re	LT1500	0-8	4	219	219	1309	1349	48	1.7	1022	2.8	60.4	0	118	2.4
Re	LT1500	0-8	5	219	219	1215	1255	48	1.7	986	2.8	60.4	0	118	2.2
Re	LT1500	0-8	6	219	219	1182	1222	48	1.7	975	2.8	60.4	0	118	2.1
Re	LT1500	0-8	7	219	219	1101	1141	46	1.7	945	2.8	60.4	0	100	2
Re	LT1500	0-8	8	219	219	1096	1136	46	1.7	938	2.8	60.4	0	100	2
Re	LT1500	0-8	9	219	208	1143	1184	44	1.5	958	2.8	60.4	0	100	2
Re	LT1500	16-26	1	219	219	1439	1479	60	1.7	1022	2.8	60.4	0	190	1.9
Re	LT1500	16-26	2	219	219	1410	1451	59	1.7	1021	2.8	60.4	0	190	1.8
Re	LT1500	16-26	3	219	219	1274	1314	50	1.7	1023	2.8	60.4	0	118	2.6
Re	LT1500	16-26	4	219	219	1309	1349	48	1.7	1022	2.8	60.4	0	118	2.4
Re	LT1500	16-26	5	219	219	1215	1255	48	1.7	986	2.8	60.4	0	118	2.2
Re	LT1500	16-26	6	219	219	1182	1222	48	1.7	975	2.8	60.4	0	118	2.1
Re	LT1500	16-26	7	219	219	1101	1141	46	1.7	945	2.8	60.4	0	100	2
Re	LT1500	16-26	8	219	219	1096	1136	46	1.7	938	2.8	60.4	0	100	2
Re	LT1500	16-26	9	219	208	1143	1184	44	1.5	958	2.8	60.4	0	100	2
Re	LT1500	8-16	1	219	219	1439	1479	60	1.7	1022	2.8	60.4	0	190	1.9
Re	LT1500	8-16	2	219	219	1410	1451	59	1.7	1021	2.8	60.4	0	190	1.8
Re	LT1500	8-16	3	219	219	1274	1314	50	1.7	1023	2.8	60.4	0	118	2.6
Re	LT1500	8-16	4	219	219	1309	1349	48	1.7	1022	2.8	60.4	0	118	2.4
Re	LT1500	8-16	5	219	219	1215	1255	48	1.7	986	2.8	60.4	0	118	2.2
Re	LT1500	8-16	6	219	219	1182	1222	48	1.7	975	2.8	60.4	0	118	2.1
Re	LT1500	8-16	7	219	219	1101	1141	46	1.7	945	2.8	60.4	0	100	2
Re	LT1500	8-16	8	219	219	1096	1136	46	1.7	938	2.8	60.4	0	100	2
Re	LT1500	8-16	9	219	208	1143	1184	44	1.5	958	2.8	60.4	0	100	2
Re	LT1500	GT26	1	219	219	1439	1479	60	1.7	1022	2.8	60.4	0	190	1.9
Re	LT1500	GT26	2	219	219	1410	1451	59	1.7	1021	2.8	60.4	0	190	1.8
Re	LT1500	GT26	3	219	219	1274	1314	50	1.7	1023	2.8	60.4	0	118	2.6
Re	LT1500	GT26	4	219	219	1309	1349	48	1.7	1022	2.8	60.4	0	118	2.4
Re	LT1500	GT26	5	219	219	1215	1255	48	1.7	986	2.8	60.4	0	118	2.2
Re	LT1500	GT26	6	219	219	1182	1222	48	1.7	975	2.8	60.4	0	118	2.1
Re	LT1500	GT26	7	219	219	1101	1141	46	1.7	945	2.8	60.4	0	100	2
Re	LT1500	GT26	8	219	219	1096	1136	46	1.7	938	2.8	60.4	0	100	2
Re	LT1500	GT26	9	219	208	1143	1184	44	1.5	958	2.8	60.4	0	100	2
other	1500-1700	0-8	1	219	219	1967	2011	62	1.8	1115	2.8	33.1	0	99	3.2
other	1500-1700	0-8	2	219	219	1982	2027	61	1.8	1115	2.8	33.1	0	99	3.2
other	1500-1700	0-8	3	219	219	1904	1949	61	1.8	1089	2.8	33.1	0	99	3
other	1500-1700	0-8	4	219	219	1857	1902	61	1.8	1066	2.8	33.1	0	99	2.7
other	1500-1700	0-8	5	219	219	1857	1901	59	1.7	1064	2.8	33.1	0	99	2.6
other	1500-1700	0-8	6	219	208	1956	2000	57	1.7	1089	2.8	33.1	0	99	2.7
other	1500-1700	16-26	1	219	219	1967	2011	62	1.8	1115	2.8	33.1	0	99	3.2
other	1500-1700	16-26	2	219	219	1982	2027	61	1.8	1115	2.8	33.1	0	99	3.2
other	1500-1700	16-26	3	219	219	1904	1949	61	1.8	1089	2.8	33.1	0	99	3
other	1500-1700	16-26	4	219	219	1857	1902	61	1.8	1066	2.8	33.1	0	99	2.7
other	1500-1700	16-26	5	219	219	1857	1901	59	1.7	1064	2.8	33.1	0	99	2.6
other	1500-1700	16-26	6	219	208	1956	2000	57	1.7	1089	2.8	33.1	0	99	2.7

soil	rain	slope	mod	fa	fe	op375	op420	nl	pl	ms	sr	go	oc	nf	sp
other	1500-1700	8-16	1	219	219	1967	2011	62	1.8	1115	2.8	33.1	0	99	3.2
other	1500-1700	8-16	2	219	219	1982	2027	61	1.8	1115	2.8	33.1	0	99	3.2
other	1500-1700	8-16	3	219	219	1904	1949	61	1.8	1089	2.8	33.1	0	99	3
other	1500-1700	8-16	4	219	219	1857	1902	61	1.8	1066	2.8	33.1	0	99	2.7
other	1500-1700	8-16	5	219	219	1857	1901	59	1.7	1064	2.8	33.1	0	99	2.6
other	1500-1700	8-16	6	219	208	1956	2000	57	1.7	1089	2.8	33.1	0	99	2.7
other	GT2000	0-8	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	0-8	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	0-8	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
other	GT2000	0-8	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
other	GT2000	0-8	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
other	GT2000	0-8	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7
other	GT2000	16-26	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	16-26	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	16-26	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
other	GT2000	16-26	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
other	GT2000	16-26	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
other	GT2000	16-26	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7
other	GT2000	8-16	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	8-16	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	8-16	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
other	GT2000	8-16	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
other	GT2000	8-16	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
other	GT2000	8-16	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7
other	GT2000	GT26	1	219	219	1967	2011	77	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	GT26	2	219	219	1982	2027	74	1.7	1115	2.8	33.1	0	99	3.2
other	GT2000	GT26	3	219	219	1904	1949	74	1.6	1089	2.8	33.1	0	99	3
other	GT2000	GT26	4	219	219	1857	1902	74	1.6	1066	2.8	33.1	0	99	2.7
other	GT2000	GT26	5	219	219	1857	1901	72	1.6	1064	2.8	33.1	0	99	2.6
other	GT2000	GT26	6	219	208	1956	2000	69	1.6	1089	2.8	33.1	0	99	2.7

soil	rain	slope	mod	ims	pms	la	rnms-ts	rnms-ls	rnms-d	rnlisa	rcg
Al	1500-1700	0-8	1	0	0	3.7	5180.37	1049.42	0	354.17	0
Al	1500-1700	0-8	2	124.6	0	3.7	5173.29	1048.03	0	356.81	0
Al	1500-1700	0-8	3	120.7	0	3.7	5180.76	1049.53	0	351.21	0
Al	1500-1700	0-8	4	172	0	3.7	5183.00	1049.99	0	348.40	0
Al	1500-1700	0-8	5	172	0	3.7	5103.53	1034.08	0	346.36	0
Al	1500-1700	0-8	6	165.2	0	3.7	5030.78	1019.59	0	348.00	0
Al	1500-1700	0-8	7	160.2	0	3.6	4828.05	978.54	0	336.04	0
Al	1500-1700	0-8	8	160.2	0	3.6	4788.76	970.84	0	340.43	0
Al	1500-1700	0-8	9	152.5	0	3.4	4615.01	935.64	0	322.29	0
Al	1500-1700	16-26	1	0	0	3.7	5180.37	1049.42	0	354.17	0
Al	1500-1700	16-26	2	124.6	0	3.7	5173.29	1048.03	0	356.81	0
Al	1500-1700	16-26	3	120.7	0	3.7	5180.76	1049.53	0	351.21	0
Al	1500-1700	16-26	4	172	0	3.7	5183.00	1049.99	0	348.40	0
Al	1500-1700	16-26	5	172	0	3.7	5103.53	1034.08	0	346.36	0
Al	1500-1700	16-26	6	165.2	0	3.7	5030.78	1019.59	0	348.00	0
Al	1500-1700	16-26	7	160.2	0	3.6	4828.05	978.54	0	336.04	0
Al	1500-1700	16-26	8	160.2	0	3.6	4788.76	970.84	0	340.43	0
Al	1500-1700	16-26	9	152.5	0	3.4	4615.01	935.64	0	322.29	0
Al	1500-1700	8-16	1	0	0	3.7	5180.37	1049.42	0	354.17	0
Al	1500-1700	8-16	2	124.6	0	3.7	5173.29	1048.03	0	356.81	0
Al	1500-1700	8-16	3	120.7	0	3.7	5180.76	1049.53	0	351.21	0
Al	1500-1700	8-16	4	172	0	3.7	5183.00	1049.99	0	348.40	0
Al	1500-1700	8-16	5	172	0	3.7	5103.53	1034.08	0	346.36	0
Al	1500-1700	8-16	6	165.2	0	3.7	5030.78	1019.59	0	348.00	0
Al	1500-1700	8-16	7	160.2	0	3.6	4828.05	978.54	0	336.04	0
Al	1500-1700	8-16	8	160.2	0	3.6	4788.76	970.84	0	340.43	0
Al	1500-1700	8-16	9	152.5	0	3.4	4615.01	935.64	0	322.29	0
Al	1500-1700	GT26	1	0	0	3.7	5180.37	1049.42	0	354.17	0
Al	1500-1700	GT26	2	124.6	0	3.7	5173.29	1048.03	0	356.81	0
Al	1500-1700	GT26	3	120.7	0	3.7	5180.76	1049.53	0	351.21	0
Al	1500-1700	GT26	4	172	0	3.7	5183.00	1049.99	0	348.40	0
Al	1500-1700	GT26	5	172	0	3.7	5103.53	1034.08	0	346.36	0
Al	1500-1700	GT26	6	165.2	0	3.7	5030.78	1019.59	0	348.00	0
Al	1500-1700	GT26	7	160.2	0	3.6	4828.05	978.54	0	336.04	0
Al	1500-1700	GT26	8	160.2	0	3.6	4788.76	970.84	0	340.43	0
Al	1500-1700	GT26	9	152.5	0	3.4	4615.01	935.64	0	322.29	0
Po	1500-1700	0-8	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	1500-1700	0-8	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	1500-1700	0-8	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	1500-1700	0-8	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	1500-1700	0-8	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	1500-1700	0-8	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	1500-1700	16-26	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	1500-1700	16-26	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	1500-1700	16-26	3	0	0	3.5	5446.20	1106.81	0	376.86	0

soil	rain	slope	mod	ims	pms	la	rnms-ts	rnms-ls	rnms-d	rnlsa	rcg
Po	1500-1700	16-26	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	1500-1700	16-26	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	1500-1700	16-26	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	1500-1700	8-16	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	1500-1700	8-16	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	1500-1700	8-16	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	1500-1700	8-16	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	1500-1700	8-16	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	1500-1700	8-16	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	1500-1700	GT26	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	1500-1700	GT26	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	1500-1700	GT26	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	1500-1700	GT26	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	1500-1700	GT26	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	1500-1700	GT26	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	GT2000	0-8	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	GT2000	0-8	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	GT2000	0-8	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	GT2000	0-8	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	GT2000	0-8	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	GT2000	0-8	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	GT2000	16-26	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	GT2000	16-26	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	GT2000	16-26	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	GT2000	16-26	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	GT2000	16-26	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	GT2000	16-26	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	GT2000	8-16	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	GT2000	8-16	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	GT2000	8-16	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	GT2000	8-16	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	GT2000	8-16	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	GT2000	8-16	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	GT2000	GT26	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	GT2000	GT26	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	GT2000	GT26	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	GT2000	GT26	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	GT2000	GT26	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	GT2000	GT26	6	0	0	3.3	5187.23	1054.31	0	354.16	0
Po	GT2000	na	1	0	0	3.5	5581.16	1133.89	0	370.79	0
Po	GT2000	na	2	0	0	3.5	5580.68	1133.79	0	376.90	0
Po	GT2000	na	3	0	0	3.5	5446.20	1106.81	0	376.86	0
Po	GT2000	na	4	0	0	3.5	5331.51	1083.73	0	377.56	0
Po	GT2000	na	5	0	0	3.5	5319.63	1081.44	0	376.62	0
Po	GT2000	na	6	0	0	3.3	5187.23	1054.31	0	354.16	0

soil	rain	slope	mod	ims	pms	la	rnms-ts	rnms-ls	rnms-d	rnlsa	rcg
Pu	1500-1700	0-8	1	215.6	0	3.5	5123.13	1040.71	0	339.00	0
Pu	1500-1700	0-8	2	215.6	0	3.5	5123.51	1040.64	0	338.92	0
Pu	1500-1700	0-8	3	261.2	0	3.5	5122.33	1040.55	0	339.02	0
Pu	1500-1700	0-8	4	257.6	0	3.5	5123.26	1040.73	0	339.25	0
Pu	1500-1700	0-8	5	257.6	0	3.5	5128.32	1041.74	0	330.98	0
Pu	1500-1700	0-8	6	216.6	0	3.5	5024.92	1021.00	0	327.79	0
Pu	1500-1700	0-8	7	216.6	0	3.5	4882.26	992.26	0	328.00	0
Pu	1500-1700	0-8	8	216.6	0	3.5	4643.26	944.13	0	329.43	0
Pu	1500-1700	0-8	9	216.6	0	3.5	4636.84	942.84	0	329.40	0
Pu	1500-1700	0-8	10	209.2	0	3.3	4503.64	915.77	0	314.90	0
Pu	1500-1700	16-26	1	0	116.3	2.2	3115.58	633.99	0	302.40	0
Pu	1500-1700	16-26	2	0	116.3	2.2	3112.68	633.42	0	302.03	0
Pu	1500-1700	16-26	3	0	115.9	2.2	3115.02	633.89	0	303.76	0
Pu	1500-1700	16-26	4	0	87.9	2.2	3066.69	624.18	0	304.64	0
Pu	1500-1700	16-26	5	0	87.9	2.2	2984.30	607.46	0	301.63	0
Pu	1500-1700	16-26	6	0	87.5	2.2	2861.00	583.78	0	304.46	0
Pu	1500-1700	16-26	7	0	87.8	2.1	2788.02	568.72	0	298.32	0
Pu	1500-1700	8-16	1	215.6	0	3.5	5123.13	1040.71	0	339.00	0
Pu	1500-1700	8-16	2	215.6	0	3.5	5123.51	1040.64	0	338.92	0
Pu	1500-1700	8-16	3	261.2	0	3.5	5122.33	1040.55	0	339.02	0
Pu	1500-1700	8-16	4	257.6	0	3.5	5123.26	1040.73	0	339.25	0
Pu	1500-1700	8-16	5	257.6	0	3.5	5128.32	1041.74	0	330.98	0
Pu	1500-1700	8-16	6	216.6	0	3.5	5024.92	1021.00	0	327.79	0
Pu	1500-1700	8-16	7	216.6	0	3.5	4882.26	992.26	0	328.00	0
Pu	1500-1700	8-16	8	216.6	0	3.5	4643.26	944.13	0	329.43	0
Pu	1500-1700	8-16	9	216.6	0	3.5	4636.84	942.84	0	329.40	0
Pu	1500-1700	8-16	10	209.2	0	3.3	4503.64	915.77	0	314.90	0
Pu	1500-1700	GT26	1	0	116.3	2.2	3115.58	633.99	0	302.40	0
Pu	1500-1700	GT26	2	0	116.3	2.2	3112.68	633.42	0	302.03	0
Pu	1500-1700	GT26	3	0	115.9	2.2	3115.02	633.89	0	303.76	0
Pu	1500-1700	GT26	4	0	87.9	2.2	3066.69	624.18	0	304.64	0
Pu	1500-1700	GT26	5	0	87.9	2.2	2984.30	607.46	0	301.63	0
Pu	1500-1700	GT26	6	0	87.5	2.2	2861.00	583.78	0	304.46	0
Pu	1500-1700	GT26	7	0	87.8	2.1	2788.02	568.72	0	298.32	0
Pu	1700-2000	0-8	1	215.6	0	3.5	5123.13	1040.71	0	339.00	0
Pu	1700-2000	0-8	2	215.6	0	3.5	5123.51	1040.64	0	338.92	0
Pu	1700-2000	0-8	3	261.2	0	3.5	5122.33	1040.55	0	339.02	0
Pu	1700-2000	0-8	4	257.6	0	3.5	5123.26	1040.73	0	339.25	0
Pu	1700-2000	0-8	5	257.6	0	3.5	5128.32	1041.74	0	330.98	0
Pu	1700-2000	0-8	6	216.6	0	3.5	5024.92	1021.00	0	327.79	0
Pu	1700-2000	0-8	7	216.6	0	3.5	4882.26	992.26	0	328.00	0
Pu	1700-2000	0-8	8	216.6	0	3.5	4643.26	944.13	0	329.43	0
Pu	1700-2000	0-8	9	216.6	0	3.5	4636.84	942.84	0	329.40	0
Pu	1700-2000	0-8	10	209.2	0	3.3	4503.64	915.77	0	314.90	0
Pu	1700-2000	16-26	1	0	116.3	2.2	3115.58	633.99	0	302.40	0

soil	rain	slope	mod	ims	pms	la	rnms-ts	rnms-ls	rnms-d	rnlisa	rcg
Pu	1700-2000	16-26	2	0	116.3	2.2	3112.68	633.42	0	302.03	0
Pu	1700-2000	16-26	3	0	115.9	2.2	3115.02	633.89	0	303.76	0
Pu	1700-2000	16-26	4	0	87.9	2.2	3066.69	624.18	0	304.64	0
Pu	1700-2000	16-26	5	0	87.9	2.2	2984.30	607.46	0	301.63	0
Pu	1700-2000	16-26	6	0	87.5	2.2	2861.00	583.78	0	304.46	0
Pu	1700-2000	16-26	7	0	87.8	2.1	2788.02	568.72	0	298.32	0
Pu	1700-2000	8-16	1	215.6	0	3.5	5123.13	1040.71	0	339.00	0
Pu	1700-2000	8-16	2	215.6	0	3.5	5123.51	1040.64	0	338.92	0
Pu	1700-2000	8-16	3	261.2	0	3.5	5122.33	1040.55	0	339.02	0
Pu	1700-2000	8-16	4	257.6	0	3.5	5123.26	1040.73	0	339.25	0
Pu	1700-2000	8-16	5	257.6	0	3.5	5128.32	1041.74	0	330.98	0
Pu	1700-2000	8-16	6	216.6	0	3.5	5024.92	1021.00	0	327.79	0
Pu	1700-2000	8-16	7	216.6	0	3.5	4882.26	992.26	0	328.00	0
Pu	1700-2000	8-16	8	216.6	0	3.5	4643.26	944.13	0	329.43	0
Pu	1700-2000	8-16	9	216.6	0	3.5	4636.84	942.84	0	329.40	0
Pu	1700-2000	8-16	10	209.2	0	3.3	4503.64	915.77	0	314.90	0
Pu	1700-2000	GT26	1	0	116.3	2.2	3115.58	633.99	0	302.40	0
Pu	1700-2000	GT26	2	0	116.3	2.2	3112.68	633.42	0	302.03	0
Pu	1700-2000	GT26	3	0	115.9	2.2	3115.02	633.89	0	303.76	0
Pu	1700-2000	GT26	4	0	87.9	2.2	3066.69	624.18	0	304.64	0
Pu	1700-2000	GT26	5	0	87.9	2.2	2984.30	607.46	0	301.63	0
Pu	1700-2000	GT26	6	0	87.5	2.2	2861.00	583.78	0	304.46	0
Pu	1700-2000	GT26	7	0	87.8	2.1	2788.02	568.72	0	298.32	0
Pu	GT2000	0-8	1	128.2	0	2.9	3915.60	795.15	0	239.39	0
Pu	GT2000	0-8	2	128.2	0	2.9	3908.04	793.54	0	240.50	0
Pu	GT2000	0-8	3	196.5	0	2.9	3911.92	794.38	0	240.21	0
Pu	GT2000	0-8	4	201.2	0	2.9	3904.68	792.98	0	243.35	0
Pu	GT2000	0-8	5	172.1	0	2.9	3838.30	779.56	0	242.30	0
Pu	GT2000	0-8	6	172.1	0	2.9	3760.84	764.01	0	243.13	0
Pu	GT2000	0-8	7	163.4	0	2.7	3637.40	739.05	0	245.85	0
Pu	GT2000	16-26	1	128.2	0	2.9	3915.60	795.15	0	239.39	0
Pu	GT2000	16-26	2	128.2	0	2.9	3908.04	793.54	0	240.50	0
Pu	GT2000	16-26	3	196.5	0	2.9	3911.92	794.38	0	240.21	0
Pu	GT2000	16-26	4	201.2	0	2.9	3904.68	792.98	0	243.35	0
Pu	GT2000	16-26	5	172.1	0	2.9	3838.30	779.56	0	242.30	0
Pu	GT2000	16-26	6	172.1	0	2.9	3760.84	764.01	0	243.13	0
Pu	GT2000	16-26	7	163.4	0	2.7	3637.40	739.05	0	245.85	0
Pu	GT2000	8-16	1	128.2	0	2.9	3915.60	795.15	0	239.39	0
Pu	GT2000	8-16	2	128.2	0	2.9	3908.04	793.54	0	240.50	0
Pu	GT2000	8-16	3	196.5	0	2.9	3911.92	794.38	0	240.21	0
Pu	GT2000	8-16	4	201.2	0	2.9	3904.68	792.98	0	243.35	0
Pu	GT2000	8-16	5	172.1	0	2.9	3838.30	779.56	0	242.30	0
Pu	GT2000	8-16	6	172.1	0	2.9	3760.84	764.01	0	243.13	0
Pu	GT2000	8-16	7	163.4	0	2.7	3637.40	739.05	0	245.85	0
Pu	GT2000	GT26	1	128.2	0	2.9	3915.60	795.15	0	239.39	0

soil	rain	slope	mod	ims	pms	la	rnms-ts	rnms-ls	rnms-d	rnlisa	rcg
Pu	GT2000	GT26	2	128.2	0	2.9	3908.04	793.54	0	240.50	0
Pu	GT2000	GT26	3	196.5	0	2.9	3911.92	794.38	0	240.21	0
Pu	GT2000	GT26	4	201.2	0	2.9	3904.68	792.98	0	243.35	0
Pu	GT2000	GT26	5	172.1	0	2.9	3838.30	779.56	0	242.30	0
Pu	GT2000	GT26	6	172.1	0	2.9	3760.84	764.01	0	243.13	0
Pu	GT2000	GT26	7	163.4	0	2.7	3637.40	739.05	0	245.85	0
Re	1500-1700	0-8	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	1500-1700	0-8	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	1500-1700	0-8	3	254	0	3.5	5116.68	1039.40	0	338.99	0
Re	1500-1700	0-8	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	1500-1700	0-8	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	1500-1700	0-8	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	1500-1700	0-8	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	1500-1700	0-8	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	1500-1700	0-8	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
Re	1500-1700	16-26	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	1500-1700	16-26	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	1500-1700	16-26	3	254	0	3.5	5116.68	1039.40	0	338.99	0
Re	1500-1700	16-26	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	1500-1700	16-26	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	1500-1700	16-26	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	1500-1700	16-26	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	1500-1700	16-26	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	1500-1700	16-26	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
Re	1500-1700	8-16	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	1500-1700	8-16	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	1500-1700	8-16	3	254	0	3.5	5116.68	1039.40	0	338.99	0
Re	1500-1700	8-16	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	1500-1700	8-16	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	1500-1700	8-16	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	1500-1700	8-16	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	1500-1700	8-16	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	1500-1700	8-16	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
Re	1500-1700	GT26	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	1500-1700	GT26	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	1500-1700	GT26	3	254	0	3.5	5116.68	1039.40	0	338.99	0
Re	1500-1700	GT26	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	1500-1700	GT26	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	1500-1700	GT26	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	1500-1700	GT26	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	1500-1700	GT26	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	1500-1700	GT26	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
Re	LT1500	0-8	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	LT1500	0-8	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	LT1500	0-8	3	254	0	3.5	5116.68	1039.40	0	338.99	0

soil	rain	slope	mod	ims	pms	la	rnms-ts	rnms-ls	rnms-d	rnlisa	rcg
Re	LT1500	0-8	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	LT1500	0-8	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	LT1500	0-8	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	LT1500	0-8	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	LT1500	0-8	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	LT1500	0-8	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
Re	LT1500	16-26	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	LT1500	16-26	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	LT1500	16-26	3	254	0	3.5	5116.68	1039.40	0	338.99	0
Re	LT1500	16-26	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	LT1500	16-26	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	LT1500	16-26	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	LT1500	16-26	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	LT1500	16-26	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	LT1500	16-26	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
Re	LT1500	8-16	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	LT1500	8-16	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	LT1500	8-16	3	254	0	3.5	5116.68	1039.40	0	338.99	0
Re	LT1500	8-16	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	LT1500	8-16	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	LT1500	8-16	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	LT1500	8-16	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	LT1500	8-16	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	LT1500	8-16	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
Re	LT1500	GT26	1	215.7	0	3.5	5106.78	1037.40	0	338.98	0
Re	LT1500	GT26	2	215.7	0	3.5	5104.89	1037.02	0	338.98	0
Re	LT1500	GT26	3	254	0	3.5	5116.68	1039.40	0	338.99	0
Re	LT1500	GT26	4	257.7	0	3.5	5111.15	1038.32	0	331.60	0
Re	LT1500	GT26	5	257.7	0	3.5	4929.26	1001.86	0	328.35	0
Re	LT1500	GT26	6	257.7	0	3.5	4872.58	990.46	0	327.17	0
Re	LT1500	GT26	7	254.1	0	3.5	4720.80	959.71	0	335.52	0
Re	LT1500	GT26	8	249.6	0	3.5	4687.81	953.03	0	338.39	0
Re	LT1500	GT26	9	241.9	0	3.3	4543.16	923.64	0	325.25	0
other	1500-1700	0-8	1	0	0	3.5	5581.16	1133.89	0	370.79	0
other	1500-1700	0-8	2	0	0	3.5	5580.68	1133.79	0	376.90	0
other	1500-1700	0-8	3	0	0	3.5	5446.20	1106.81	0	376.86	0
other	1500-1700	0-8	4	0	0	3.5	5331.51	1083.73	0	377.56	0
other	1500-1700	0-8	5	0	0	3.5	5319.63	1081.44	0	376.62	0
other	1500-1700	0-8	6	0	0	3.3	5187.23	1054.31	0	354.16	0
other	1500-1700	16-26	1	0	0	3.5	5581.16	1133.89	0	370.79	0
other	1500-1700	16-26	2	0	0	3.5	5580.68	1133.79	0	376.90	0
other	1500-1700	16-26	3	0	0	3.5	5446.20	1106.81	0	376.86	0
other	1500-1700	16-26	4	0	0	3.5	5331.51	1083.73	0	377.56	0
other	1500-1700	16-26	5	0	0	3.5	5319.63	1081.44	0	376.62	0
other	1500-1700	16-26	6	0	0	3.3	5187.23	1054.31	0	354.16	0

soil	rain	slope	mod	ims	pms	la	rnms-ts	rnms-ls	rnms-d	rnlsa	rcg
other	1500-1700	8-16	1	0	0	3.5	5581.16	1133.89	0	370.79	0
other	1500-1700	8-16	2	0	0	3.5	5580.68	1133.79	0	376.90	0
other	1500-1700	8-16	3	0	0	3.5	5446.20	1106.81	0	376.86	0
other	1500-1700	8-16	4	0	0	3.5	5331.51	1083.73	0	377.56	0
other	1500-1700	8-16	5	0	0	3.5	5319.63	1081.44	0	376.62	0
other	1500-1700	8-16	6	0	0	3.3	5187.23	1054.31	0	354.16	0
other	GT2000	0-8	1	0	0	3.5	5581.16	1133.89	0	370.79	0
other	GT2000	0-8	2	0	0	3.5	5580.68	1133.79	0	376.90	0
other	GT2000	0-8	3	0	0	3.5	5446.20	1106.81	0	376.86	0
other	GT2000	0-8	4	0	0	3.5	5331.51	1083.73	0	377.56	0
other	GT2000	0-8	5	0	0	3.5	5319.63	1081.44	0	376.62	0
other	GT2000	0-8	6	0	0	3.3	5187.23	1054.31	0	354.16	0
other	GT2000	16-26	1	0	0	3.5	5581.16	1133.89	0	370.79	0
other	GT2000	16-26	2	0	0	3.5	5580.68	1133.79	0	376.90	0
other	GT2000	16-26	3	0	0	3.5	5446.20	1106.81	0	376.86	0
other	GT2000	16-26	4	0	0	3.5	5331.51	1083.73	0	377.56	0
other	GT2000	16-26	5	0	0	3.5	5319.63	1081.44	0	376.62	0
other	GT2000	16-26	6	0	0	3.3	5187.23	1054.31	0	354.16	0
other	GT2000	8-16	1	0	0	3.5	5581.16	1133.89	0	370.79	0
other	GT2000	8-16	2	0	0	3.5	5580.68	1133.79	0	376.90	0
other	GT2000	8-16	3	0	0	3.5	5446.20	1106.81	0	376.86	0
other	GT2000	8-16	4	0	0	3.5	5331.51	1083.73	0	377.56	0
other	GT2000	8-16	5	0	0	3.5	5319.63	1081.44	0	376.62	0
other	GT2000	8-16	6	0	0	3.3	5187.23	1054.31	0	354.16	0
other	GT2000	GT26	1	0	0	3.5	5581.16	1133.89	0	370.79	0
other	GT2000	GT26	2	0	0	3.5	5580.68	1133.79	0	376.90	0
other	GT2000	GT26	3	0	0	3.5	5446.20	1106.81	0	376.86	0
other	GT2000	GT26	4	0	0	3.5	5331.51	1083.73	0	377.56	0
other	GT2000	GT26	5	0	0	3.5	5319.63	1081.44	0	376.62	0
other	GT2000	GT26	6	0	0	3.3	5187.23	1054.31	0	354.16	0

soil	rain	slope	mod	rcilv	rtstc	rsuf	rcvc	rtrcf	etr	ewag	emw
Al	1500-1700	0-8	1	0.00	6583.97	0	0.71	0.71	6584.68	762.16	312.60
Al	1500-1700	0-8	2	0.00	6578.13	0	0.49	0.49	6578.62	762.16	312.60
Al	1500-1700	0-8	3	0.00	6581.51	0	6.15	6.15	6587.66	762.16	312.60
Al	1500-1700	0-8	4	0.00	6581.38	0	5.40	5.40	6586.79	762.16	312.60
Al	1500-1700	0-8	5	0.00	6483.96	0	5.40	5.40	6489.37	762.16	312.60
Al	1500-1700	0-8	6	0.00	6398.37	0	5.40	5.40	6403.77	762.16	312.60
Al	1500-1700	0-8	7	0.00	6142.63	0	-0.01	-0.01	6142.62	735.27	301.58
Al	1500-1700	0-8	8	0.00	6100.03	0	-0.01	-0.01	6100.01	735.27	301.58
Al	1500-1700	0-8	9	0.00	5872.95	0	-1.85	-1.85	5871.09	708.38	290.55
Al	1500-1700	16-26	1	0.00	6583.97	0	0.71	0.71	6584.68	762.16	312.60
Al	1500-1700	16-26	2	0.00	6578.13	0	0.49	0.49	6578.62	762.16	312.60
Al	1500-1700	16-26	3	0.00	6581.51	0	6.15	6.15	6587.66	762.16	312.60
Al	1500-1700	16-26	4	0.00	6581.38	0	5.40	5.40	6586.79	762.16	312.60
Al	1500-1700	16-26	5	0.00	6483.96	0	5.40	5.40	6489.37	762.16	312.60
Al	1500-1700	16-26	6	0.00	6398.37	0	5.40	5.40	6403.77	762.16	312.60
Al	1500-1700	16-26	7	0.00	6142.63	0	-0.01	-0.01	6142.62	735.27	301.58
Al	1500-1700	16-26	8	0.00	6100.03	0	-0.01	-0.01	6100.01	735.27	301.58
Al	1500-1700	16-26	9	0.00	5872.95	0	-1.85	-1.85	5871.09	708.38	290.55
Al	1500-1700	8-16	1	0.00	6583.97	0	0.71	0.71	6584.68	762.16	312.60
Al	1500-1700	8-16	2	0.00	6578.13	0	0.49	0.49	6578.62	762.16	312.60
Al	1500-1700	8-16	3	0.00	6581.51	0	6.15	6.15	6587.66	762.16	312.60
Al	1500-1700	8-16	4	0.00	6581.38	0	5.40	5.40	6586.79	762.16	312.60
Al	1500-1700	8-16	5	0.00	6483.96	0	5.40	5.40	6489.37	762.16	312.60
Al	1500-1700	8-16	6	0.00	6398.37	0	5.40	5.40	6403.77	762.16	312.60
Al	1500-1700	8-16	7	0.00	6142.63	0	-0.01	-0.01	6142.62	735.27	301.58
Al	1500-1700	8-16	8	0.00	6100.03	0	-0.01	-0.01	6100.01	735.27	301.58
Al	1500-1700	8-16	9	0.00	5872.95	0	-1.85	-1.85	5871.09	708.38	290.55
Al	1500-1700	GT26	1	0.00	6583.97	0	0.71	0.71	6584.68	762.16	312.60
Al	1500-1700	GT26	2	0.00	6578.13	0	0.49	0.49	6578.62	762.16	312.60
Al	1500-1700	GT26	3	0.00	6581.51	0	6.15	6.15	6587.66	762.16	312.60
Al	1500-1700	GT26	4	0.00	6581.38	0	5.40	5.40	6586.79	762.16	312.60
Al	1500-1700	GT26	5	0.00	6483.96	0	5.40	5.40	6489.37	762.16	312.60
Al	1500-1700	GT26	6	0.00	6398.37	0	5.40	5.40	6403.77	762.16	312.60
Al	1500-1700	GT26	7	0.00	6142.63	0	-0.01	-0.01	6142.62	735.27	301.58
Al	1500-1700	GT26	8	0.00	6100.03	0	-0.01	-0.01	6100.01	735.27	301.58
Al	1500-1700	GT26	9	0.00	5872.95	0	-1.85	-1.85	5871.09	708.38	290.55
Po	1500-1700	0-8	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	1500-1700	0-8	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	1500-1700	0-8	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	1500-1700	0-8	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	1500-1700	0-8	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	1500-1700	0-8	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	1500-1700	16-26	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	1500-1700	16-26	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	1500-1700	16-26	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84

soil	rain	slope	mod	rcilv	rtstc	rsuf	rcvc	rtrcf	etr	ewag	emw
Po	1500-1700	16-26	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	1500-1700	16-26	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	1500-1700	16-26	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	1500-1700	8-16	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	1500-1700	8-16	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	1500-1700	8-16	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	1500-1700	8-16	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	1500-1700	8-16	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	1500-1700	8-16	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	1500-1700	GT26	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	1500-1700	GT26	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	1500-1700	GT26	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	1500-1700	GT26	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	1500-1700	GT26	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	1500-1700	GT26	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	GT2000	0-8	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	GT2000	0-8	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	GT2000	0-8	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	GT2000	0-8	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	GT2000	0-8	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	GT2000	0-8	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	GT2000	16-26	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	GT2000	16-26	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	GT2000	16-26	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	GT2000	16-26	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	GT2000	16-26	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	GT2000	16-26	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	GT2000	8-16	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	GT2000	8-16	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	GT2000	8-16	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	GT2000	8-16	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	GT2000	8-16	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	GT2000	8-16	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	GT2000	GT26	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	GT2000	GT26	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	GT2000	GT26	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	GT2000	GT26	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	GT2000	GT26	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	GT2000	GT26	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
Po	GT2000	na	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
Po	GT2000	na	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
Po	GT2000	na	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
Po	GT2000	na	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
Po	GT2000	na	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
Po	GT2000	na	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25

soil	rain	slope	mod	rcilv	rtstc	rsuf	rcvc	rtcrf	etr	ewag	emw
Pu	1500-1700	0-8	1	0.00	6502.84	0	0.00	0.00	6502.84	699.03	286.71
Pu	1500-1700	0-8	2	0.00	6503.06	0	0.00	0.00	6503.07	699.03	286.71
Pu	1500-1700	0-8	3	0.00	6501.90	0	-0.32	-0.32	6501.58	699.03	286.71
Pu	1500-1700	0-8	4	0.00	6503.24	0	-0.11	-0.11	6503.13	699.03	286.71
Pu	1500-1700	0-8	5	0.00	6501.04	0	-0.11	-0.11	6500.93	699.03	286.71
Pu	1500-1700	0-8	6	0.00	6373.70	0	0.14	0.14	6373.84	699.03	286.71
Pu	1500-1700	0-8	7	0.00	6202.53	0	0.14	0.14	6202.68	699.03	286.71
Pu	1500-1700	0-8	8	0.00	5916.82	0	0.14	0.14	5916.96	699.03	286.71
Pu	1500-1700	0-8	9	0.00	5909.07	0	0.14	0.14	5909.22	699.03	286.71
Pu	1500-1700	0-8	10	0.00	5734.31	0	9.21	9.21	5743.52	679.16	278.56
Pu	1500-1700	16-26	1	0.00	4051.97	0	-0.58	-0.58	4051.39	455.89	186.99
Pu	1500-1700	16-26	2	0.00	4048.12	0	-0.58	-0.58	4047.54	455.89	186.99
Pu	1500-1700	16-26	3	0.00	4052.67	0	6.37	6.37	4059.04	455.89	186.99
Pu	1500-1700	16-26	4	0.00	3995.52	0	-7.16	-7.16	3988.35	455.89	186.99
Pu	1500-1700	16-26	5	0.00	3893.38	0	-7.16	-7.16	3886.22	455.89	186.99
Pu	1500-1700	16-26	6	0.00	3749.24	0	-6.75	-6.75	3742.49	455.89	186.99
Pu	1500-1700	16-26	7	0.00	3655.07	0	-1.77	-1.77	3653.30	443.03	181.71
Pu	1500-1700	8-16	1	0.00	6502.84	0	0.00	0.00	6502.84	699.03	286.71
Pu	1500-1700	8-16	2	0.00	6503.06	0	0.00	0.00	6503.07	699.03	286.71
Pu	1500-1700	8-16	3	0.00	6501.90	0	-0.32	-0.32	6501.58	699.03	286.71
Pu	1500-1700	8-16	4	0.00	6503.24	0	-0.11	-0.11	6503.13	699.03	286.71
Pu	1500-1700	8-16	5	0.00	6501.04	0	-0.11	-0.11	6500.93	699.03	286.71
Pu	1500-1700	8-16	6	0.00	6373.70	0	0.14	0.14	6373.84	699.03	286.71
Pu	1500-1700	8-16	7	0.00	6202.53	0	0.14	0.14	6202.68	699.03	286.71
Pu	1500-1700	8-16	8	0.00	5916.82	0	0.14	0.14	5916.96	699.03	286.71
Pu	1500-1700	8-16	9	0.00	5909.07	0	0.14	0.14	5909.22	699.03	286.71
Pu	1500-1700	8-16	10	0.00	5734.31	0	9.21	9.21	5743.52	679.16	278.56
Pu	1500-1700	GT26	1	0.00	4051.97	0	-0.58	-0.58	4051.39	455.89	186.99
Pu	1500-1700	GT26	2	0.00	4048.12	0	-0.58	-0.58	4047.54	455.89	186.99
Pu	1500-1700	GT26	3	0.00	4052.67	0	6.37	6.37	4059.04	455.89	186.99
Pu	1500-1700	GT26	4	0.00	3995.52	0	-7.16	-7.16	3988.35	455.89	186.99
Pu	1500-1700	GT26	5	0.00	3893.38	0	-7.16	-7.16	3886.22	455.89	186.99
Pu	1500-1700	GT26	6	0.00	3749.24	0	-6.75	-6.75	3742.49	455.89	186.99
Pu	1500-1700	GT26	7	0.00	3655.07	0	-1.77	-1.77	3653.30	443.03	181.71
Pu	1700-2000	0-8	1	0.00	6502.84	0	0.00	0.00	6502.84	699.03	286.71
Pu	1700-2000	0-8	2	0.00	6503.06	0	0.00	0.00	6503.07	699.03	286.71
Pu	1700-2000	0-8	3	0.00	6501.90	0	-0.32	-0.32	6501.58	699.03	286.71
Pu	1700-2000	0-8	4	0.00	6503.24	0	-0.11	-0.11	6503.13	699.03	286.71
Pu	1700-2000	0-8	5	0.00	6501.04	0	-0.11	-0.11	6500.93	699.03	286.71
Pu	1700-2000	0-8	6	0.00	6373.70	0	0.14	0.14	6373.84	699.03	286.71
Pu	1700-2000	0-8	7	0.00	6202.53	0	0.14	0.14	6202.68	699.03	286.71
Pu	1700-2000	0-8	8	0.00	5916.82	0	0.14	0.14	5916.96	699.03	286.71
Pu	1700-2000	0-8	9	0.00	5909.07	0	0.14	0.14	5909.22	699.03	286.71
Pu	1700-2000	0-8	10	0.00	5734.31	0	9.21	9.21	5743.52	679.16	278.56
Pu	1700-2000	16-26	1	0.00	4051.97	0	-0.58	-0.58	4051.39	455.89	186.99

soil	rain	slope	mod	rcilv	rtstc	rsuf	rcvc	rtrcf	etr	ewag	emw
Pu	1700-2000	16-26	2	0.00	4048.12	0	-0.58	-0.58	4047.54	455.89	186.99
Pu	1700-2000	16-26	3	0.00	4052.67	0	6.37	6.37	4059.04	455.89	186.99
Pu	1700-2000	16-26	4	0.00	3995.52	0	-7.16	-7.16	3988.35	455.89	186.99
Pu	1700-2000	16-26	5	0.00	3893.38	0	-7.16	-7.16	3886.22	455.89	186.99
Pu	1700-2000	16-26	6	0.00	3749.24	0	-6.75	-6.75	3742.49	455.89	186.99
Pu	1700-2000	16-26	7	0.00	3655.07	0	-1.77	-1.77	3653.30	443.03	181.71
Pu	1700-2000	8-16	1	0.00	6502.84	0	0.00	0.00	6502.84	699.03	286.71
Pu	1700-2000	8-16	2	0.00	6503.06	0	0.00	0.00	6503.07	699.03	286.71
Pu	1700-2000	8-16	3	0.00	6501.90	0	-0.32	-0.32	6501.58	699.03	286.71
Pu	1700-2000	8-16	4	0.00	6503.24	0	-0.11	-0.11	6503.13	699.03	286.71
Pu	1700-2000	8-16	5	0.00	6501.04	0	-0.11	-0.11	6500.93	699.03	286.71
Pu	1700-2000	8-16	6	0.00	6373.70	0	0.14	0.14	6373.84	699.03	286.71
Pu	1700-2000	8-16	7	0.00	6202.53	0	0.14	0.14	6202.68	699.03	286.71
Pu	1700-2000	8-16	8	0.00	5916.82	0	0.14	0.14	5916.96	699.03	286.71
Pu	1700-2000	8-16	9	0.00	5909.07	0	0.14	0.14	5909.22	699.03	286.71
Pu	1700-2000	8-16	10	0.00	5734.31	0	9.21	9.21	5743.52	679.16	278.56
Pu	1700-2000	GT26	1	0.00	4051.97	0	-0.58	-0.58	4051.39	455.89	186.99
Pu	1700-2000	GT26	2	0.00	4048.12	0	-0.58	-0.58	4047.54	455.89	186.99
Pu	1700-2000	GT26	3	0.00	4052.67	0	6.37	6.37	4059.04	455.89	186.99
Pu	1700-2000	GT26	4	0.00	3995.52	0	-7.16	-7.16	3988.35	455.89	186.99
Pu	1700-2000	GT26	5	0.00	3893.38	0	-7.16	-7.16	3886.22	455.89	186.99
Pu	1700-2000	GT26	6	0.00	3749.24	0	-6.75	-6.75	3742.49	455.89	186.99
Pu	1700-2000	GT26	7	0.00	3655.07	0	-1.77	-1.77	3653.30	443.03	181.71
Pu	GT2000	0-8	1	0.00	4950.14	0	-2.47	-2.47	4947.66	584.47	239.73
Pu	GT2000	0-8	2	0.00	4942.09	0	-0.32	-0.32	4941.76	584.47	239.73
Pu	GT2000	0-8	3	0.00	4946.52	0	-99.05	-99.05	4847.47	584.47	239.73
Pu	GT2000	0-8	4	-12.58	4928.44	0	-39.14	-39.14	4889.30	584.47	239.73
Pu	GT2000	0-8	5	-12.58	4847.58	0	-0.04	-0.04	4847.54	584.47	239.73
Pu	GT2000	0-8	6	-12.58	4755.39	0	4.39	4.39	4759.79	584.47	239.73
Pu	GT2000	0-8	7	0.00	4622.31	0	-1.19	-1.19	4621.12	564.60	231.58
Pu	GT2000	16-26	1	0.00	4950.14	0	-2.47	-2.47	4947.66	584.47	239.73
Pu	GT2000	16-26	2	0.00	4942.09	0	-0.32	-0.32	4941.76	584.47	239.73
Pu	GT2000	16-26	3	0.00	4946.52	0	-99.05	-99.05	4847.47	584.47	239.73
Pu	GT2000	16-26	4	-12.58	4928.44	0	-39.14	-39.14	4889.30	584.47	239.73
Pu	GT2000	16-26	5	-12.58	4847.58	0	-0.04	-0.04	4847.54	584.47	239.73
Pu	GT2000	16-26	6	-12.58	4755.39	0	4.39	4.39	4759.79	584.47	239.73
Pu	GT2000	16-26	7	0.00	4622.31	0	-1.19	-1.19	4621.12	564.60	231.58
Pu	GT2000	8-16	1	0.00	4950.14	0	-2.47	-2.47	4947.66	584.47	239.73
Pu	GT2000	8-16	2	0.00	4942.09	0	-0.32	-0.32	4941.76	584.47	239.73
Pu	GT2000	8-16	3	0.00	4946.52	0	-99.05	-99.05	4847.47	584.47	239.73
Pu	GT2000	8-16	4	-12.58	4928.44	0	-39.14	-39.14	4889.30	584.47	239.73
Pu	GT2000	8-16	5	-12.58	4847.58	0	-0.04	-0.04	4847.54	584.47	239.73
Pu	GT2000	8-16	6	-12.58	4755.39	0	4.39	4.39	4759.79	584.47	239.73
Pu	GT2000	8-16	7	0.00	4622.31	0	-1.19	-1.19	4621.12	564.60	231.58
Pu	GT2000	GT26	1	0.00	4950.14	0	-2.47	-2.47	4947.66	584.47	239.73

soil	rain	slope	mod	rcilv	rtstc	rsuf	rcvc	rtcrf	etr	ewag	emw
Pu	GT2000	GT26	2	0.00	4942.09	0	-0.32	-0.32	4941.76	584.47	239.73
Pu	GT2000	GT26	3	0.00	4946.52	0	-99.05	-99.05	4847.47	584.47	239.73
Pu	GT2000	GT26	4	-12.58	4928.44	0	-39.14	-39.14	4889.30	584.47	239.73
Pu	GT2000	GT26	5	-12.58	4847.58	0	-0.04	-0.04	4847.54	584.47	239.73
Pu	GT2000	GT26	6	-12.58	4755.39	0	4.39	4.39	4759.79	584.47	239.73
Pu	GT2000	GT26	7	0.00	4622.31	0	-1.19	-1.19	4621.12	564.60	231.58
Re	1500-1700	0-8	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	1500-1700	0-8	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	1500-1700	0-8	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71
Re	1500-1700	0-8	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	1500-1700	0-8	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	1500-1700	0-8	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	1500-1700	0-8	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	1500-1700	0-8	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	1500-1700	0-8	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
Re	1500-1700	16-26	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	1500-1700	16-26	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	1500-1700	16-26	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71
Re	1500-1700	16-26	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	1500-1700	16-26	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	1500-1700	16-26	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	1500-1700	16-26	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	1500-1700	16-26	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	1500-1700	16-26	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
Re	1500-1700	8-16	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	1500-1700	8-16	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	1500-1700	8-16	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71
Re	1500-1700	8-16	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	1500-1700	8-16	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	1500-1700	8-16	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	1500-1700	8-16	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	1500-1700	8-16	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	1500-1700	8-16	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
Re	1500-1700	GT26	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	1500-1700	GT26	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	1500-1700	GT26	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71
Re	1500-1700	GT26	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	1500-1700	GT26	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	1500-1700	GT26	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	1500-1700	GT26	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	1500-1700	GT26	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	1500-1700	GT26	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
Re	LT1500	0-8	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	LT1500	0-8	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	LT1500	0-8	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71

soil	rain	slope	mod	rcilv	rtstc	rsuf	rcvc	rtcrf	etr	ewag	emw
Re	LT1500	0-8	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	LT1500	0-8	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	LT1500	0-8	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	LT1500	0-8	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	LT1500	0-8	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	LT1500	0-8	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
Re	LT1500	16-26	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	LT1500	16-26	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	LT1500	16-26	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71
Re	LT1500	16-26	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	LT1500	16-26	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	LT1500	16-26	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	LT1500	16-26	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	LT1500	16-26	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	LT1500	16-26	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
Re	LT1500	8-16	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	LT1500	8-16	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	LT1500	8-16	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71
Re	LT1500	8-16	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	LT1500	8-16	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	LT1500	8-16	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	LT1500	8-16	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	LT1500	8-16	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	LT1500	8-16	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
Re	LT1500	GT26	1	0.00	6483.16	0	0.05	0.05	6483.22	699.03	286.71
Re	LT1500	GT26	2	0.00	6480.89	0	0.05	0.05	6480.95	699.03	286.71
Re	LT1500	GT26	3	0.00	6495.05	0	0.02	0.02	6495.08	699.03	286.71
Re	LT1500	GT26	4	0.00	6481.07	0	0.09	0.09	6481.16	699.03	286.71
Re	LT1500	GT26	5	0.00	6259.47	0	0.09	0.09	6259.56	699.03	286.71
Re	LT1500	GT26	6	0.00	6190.21	0	0.09	0.09	6190.30	699.03	286.71
Re	LT1500	GT26	7	0.00	6016.02	0	0.02	0.02	6016.04	689.68	282.88
Re	LT1500	GT26	8	0.00	5979.23	0	0.03	0.03	5979.26	689.68	282.88
Re	LT1500	GT26	9	0.00	5792.05	0	-0.02	-0.02	5792.04	668.64	274.25
other	1500-1700	0-8	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
other	1500-1700	0-8	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
other	1500-1700	0-8	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
other	1500-1700	0-8	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
other	1500-1700	0-8	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
other	1500-1700	0-8	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
other	1500-1700	16-26	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
other	1500-1700	16-26	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
other	1500-1700	16-26	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
other	1500-1700	16-26	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
other	1500-1700	16-26	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
other	1500-1700	16-26	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25

soil	rain	slope	mod	rcilv	rtstc	rsuf	rcvc	rtrcf	etr	ewag	emw
other	1500-1700	8-16	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
other	1500-1700	8-16	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
other	1500-1700	8-16	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
other	1500-1700	8-16	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
other	1500-1700	8-16	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
other	1500-1700	8-16	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
other	GT2000	0-8	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
other	GT2000	0-8	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
other	GT2000	0-8	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
other	GT2000	0-8	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
other	GT2000	0-8	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
other	GT2000	0-8	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
other	GT2000	16-26	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
other	GT2000	16-26	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
other	GT2000	16-26	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
other	GT2000	16-26	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
other	GT2000	16-26	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
other	GT2000	16-26	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
other	GT2000	8-16	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
other	GT2000	8-16	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
other	GT2000	8-16	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
other	GT2000	8-16	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
other	GT2000	8-16	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
other	GT2000	8-16	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25
other	GT2000	GT26	1	0.00	7085.83	0	0.49	0.49	7086.32	692.02	283.84
other	GT2000	GT26	2	0.00	7091.38	0	2.68	2.68	7094.07	692.02	283.84
other	GT2000	GT26	3	0.00	6929.86	0	7.41	7.41	6937.28	692.02	283.84
other	GT2000	GT26	4	0.00	6792.79	0	0.17	0.17	6792.96	692.02	283.84
other	GT2000	GT26	5	0.00	6777.70	0	0.17	0.17	6777.87	692.02	283.84
other	GT2000	GT26	6	0.00	6595.70	0	5.33	5.33	6601.03	668.64	274.25

soil	rain	slope	mod	eah	ebre	efd	ee	epc	efc	ebf	ecf
Al	1500-1700	0-8	1	255.63	74.77	50.31	125.04	97.09	32.60	379.61	13.26
Al	1500-1700	0-8	2	255.63	74.77	50.21	125.04	97.09	32.60	617.34	13.26
Al	1500-1700	0-8	3	253.85	74.77	49.66	125.04	97.09	32.60	606.21	13.26
Al	1500-1700	0-8	4	253.85	74.77	49.66	125.04	97.09	32.60	599.91	13.26
Al	1500-1700	0-8	5	253.85	74.77	49.66	125.04	97.09	32.60	548.70	13.26
Al	1500-1700	0-8	6	253.85	74.77	49.66	125.04	97.09	32.60	509.52	13.26
Al	1500-1700	0-8	7	245.28	72.15	47.81	120.63	90.52	32.60	492.32	12.86
Al	1500-1700	0-8	8	245.28	72.15	47.81	120.63	90.52	26.44	492.32	12.86
Al	1500-1700	0-8	9	236.53	69.52	45.94	116.22	85.99	25.30	473.98	12.45
Al	1500-1700	16-26	1	255.63	74.77	50.31	125.04	97.09	32.60	379.61	13.26
Al	1500-1700	16-26	2	255.63	74.77	50.21	125.04	97.09	32.60	617.34	13.26
Al	1500-1700	16-26	3	253.85	74.77	49.66	125.04	97.09	32.60	606.21	13.26
Al	1500-1700	16-26	4	253.85	74.77	49.66	125.04	97.09	32.60	599.91	13.26
Al	1500-1700	16-26	5	253.85	74.77	49.66	125.04	97.09	32.60	548.70	13.26
Al	1500-1700	16-26	6	253.85	74.77	49.66	125.04	97.09	32.60	509.52	13.26
Al	1500-1700	16-26	7	245.28	72.15	47.81	120.63	90.52	32.60	492.32	12.86
Al	1500-1700	16-26	8	245.28	72.15	47.81	120.63	90.52	26.44	492.32	12.86
Al	1500-1700	16-26	9	236.53	69.52	45.94	116.22	85.99	25.30	473.98	12.45
Al	1500-1700	8-16	1	255.63	74.77	50.31	125.04	97.09	32.60	379.61	13.26
Al	1500-1700	8-16	2	255.63	74.77	50.21	125.04	97.09	32.60	617.34	13.26
Al	1500-1700	8-16	3	253.85	74.77	49.66	125.04	97.09	32.60	606.21	13.26
Al	1500-1700	8-16	4	253.85	74.77	49.66	125.04	97.09	32.60	599.91	13.26
Al	1500-1700	8-16	5	253.85	74.77	49.66	125.04	97.09	32.60	548.70	13.26
Al	1500-1700	8-16	6	253.85	74.77	49.66	125.04	97.09	32.60	509.52	13.26
Al	1500-1700	8-16	7	245.28	72.15	47.81	120.63	90.52	32.60	492.32	12.86
Al	1500-1700	8-16	8	245.28	72.15	47.81	120.63	90.52	26.44	492.32	12.86
Al	1500-1700	8-16	9	236.53	69.52	45.94	116.22	85.99	25.30	473.98	12.45
Al	1500-1700	GT26	1	255.63	74.77	50.31	125.04	97.09	32.60	379.61	13.26
Al	1500-1700	GT26	2	255.63	74.77	50.21	125.04	97.09	32.60	617.34	13.26
Al	1500-1700	GT26	3	253.85	74.77	49.66	125.04	97.09	32.60	606.21	13.26
Al	1500-1700	GT26	4	253.85	74.77	49.66	125.04	97.09	32.60	599.91	13.26
Al	1500-1700	GT26	5	253.85	74.77	49.66	125.04	97.09	32.60	548.70	13.26
Al	1500-1700	GT26	6	253.85	74.77	49.66	125.04	97.09	32.60	509.52	13.26
Al	1500-1700	GT26	7	245.28	72.15	47.81	120.63	90.52	32.60	492.32	12.86
Al	1500-1700	GT26	8	245.28	72.15	47.81	120.63	90.52	26.44	492.32	12.86
Al	1500-1700	GT26	9	236.53	69.52	45.94	116.22	85.99	25.30	473.98	12.45
Po	1500-1700	0-8	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	1500-1700	0-8	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	1500-1700	0-8	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	1500-1700	0-8	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	1500-1700	0-8	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	1500-1700	0-8	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	1500-1700	16-26	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	1500-1700	16-26	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	1500-1700	16-26	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00

soil	rain	slope	mod	eah	ebre	efd	ee	epc	efc	ebf	ecf
Po	1500-1700	16-26	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	1500-1700	16-26	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	1500-1700	16-26	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	1500-1700	8-16	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	1500-1700	8-16	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	1500-1700	8-16	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	1500-1700	8-16	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	1500-1700	8-16	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	1500-1700	8-16	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	1500-1700	GT26	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	1500-1700	GT26	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	1500-1700	GT26	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	1500-1700	GT26	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	1500-1700	GT26	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	1500-1700	GT26	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	GT2000	0-8	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	GT2000	0-8	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	GT2000	0-8	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	GT2000	0-8	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	GT2000	0-8	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	GT2000	0-8	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	GT2000	16-26	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	GT2000	16-26	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	GT2000	16-26	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	GT2000	16-26	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	GT2000	16-26	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	GT2000	16-26	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	GT2000	8-16	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	GT2000	8-16	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	GT2000	8-16	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	GT2000	8-16	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	GT2000	8-16	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	GT2000	8-16	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	GT2000	GT26	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	GT2000	GT26	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	GT2000	GT26	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	GT2000	GT26	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	GT2000	GT26	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	GT2000	GT26	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
Po	GT2000	na	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
Po	GT2000	na	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
Po	GT2000	na	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
Po	GT2000	na	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
Po	GT2000	na	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
Po	GT2000	na	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50

soil	rain	slope	mod	eah	ebre	efd	ee	epc	efc	ebf	ecf
Pu	1500-1700	0-8	1	239.93	101.13	48.87	114.68	0.00	22.13	609.31	14.29
Pu	1500-1700	0-8	2	239.93	101.13	48.87	114.68	0.00	0.00	632.82	14.29
Pu	1500-1700	0-8	3	239.93	101.13	48.87	114.68	0.00	0.00	709.78	14.29
Pu	1500-1700	0-8	4	238.96	101.13	48.57	114.68	0.00	0.00	694.04	14.29
Pu	1500-1700	0-8	5	238.96	101.13	48.57	114.68	0.00	0.00	651.91	14.29
Pu	1500-1700	0-8	6	238.96	101.13	48.57	114.68	0.00	0.00	568.78	14.29
Pu	1500-1700	0-8	7	238.96	101.13	48.57	114.68	0.00	0.00	495.69	14.29
Pu	1500-1700	0-8	8	238.96	101.13	47.46	114.68	0.00	0.00	495.69	14.29
Pu	1500-1700	0-8	9	238.96	101.13	47.46	114.68	0.00	0.00	487.35	14.29
Pu	1500-1700	0-8	10	232.16	98.28	46.11	111.42	0.00	0.00	482.64	13.88
Pu	1500-1700	16-26	1	162.23	45.01	28.94	74.79	126.72	162.20	339.79	10.63
Pu	1500-1700	16-26	2	162.23	45.01	28.94	74.79	126.72	138.05	389.90	10.63
Pu	1500-1700	16-26	3	161.75	45.01	29.17	74.79	126.72	138.05	379.53	10.63
Pu	1500-1700	16-26	4	161.33	45.01	28.15	74.79	126.72	114.21	348.55	10.63
Pu	1500-1700	16-26	5	161.33	45.01	28.15	74.79	126.72	114.21	281.46	10.63
Pu	1500-1700	16-26	6	161.34	45.01	27.93	74.79	126.72	100.99	281.41	10.63
Pu	1500-1700	16-26	7	156.74	43.75	27.12	72.68	126.89	100.99	273.37	10.32
Pu	1500-1700	8-16	1	239.93	101.13	48.87	114.68	0.00	22.13	609.31	14.29
Pu	1500-1700	8-16	2	239.93	101.13	48.87	114.68	0.00	0.00	632.82	14.29
Pu	1500-1700	8-16	3	239.93	101.13	48.87	114.68	0.00	0.00	709.78	14.29
Pu	1500-1700	8-16	4	238.96	101.13	48.57	114.68	0.00	0.00	694.04	14.29
Pu	1500-1700	8-16	5	238.96	101.13	48.57	114.68	0.00	0.00	651.91	14.29
Pu	1500-1700	8-16	6	238.96	101.13	48.57	114.68	0.00	0.00	568.78	14.29
Pu	1500-1700	8-16	7	238.96	101.13	48.57	114.68	0.00	0.00	495.69	14.29
Pu	1500-1700	8-16	8	238.96	101.13	47.46	114.68	0.00	0.00	495.69	14.29
Pu	1500-1700	8-16	9	238.96	101.13	47.46	114.68	0.00	0.00	487.35	14.29
Pu	1500-1700	8-16	10	232.16	98.28	46.11	111.42	0.00	0.00	482.64	13.88
Pu	1500-1700	GT26	1	162.23	45.01	28.94	74.79	126.72	162.20	339.79	10.63
Pu	1500-1700	GT26	2	162.23	45.01	28.94	74.79	126.72	138.05	389.90	10.63
Pu	1500-1700	GT26	3	161.75	45.01	29.17	74.79	126.72	138.05	379.53	10.63
Pu	1500-1700	GT26	4	161.33	45.01	28.15	74.79	126.72	114.21	348.55	10.63
Pu	1500-1700	GT26	5	161.33	45.01	28.15	74.79	126.72	114.21	281.46	10.63
Pu	1500-1700	GT26	6	161.34	45.01	27.93	74.79	126.72	100.99	281.41	10.63
Pu	1500-1700	GT26	7	156.74	43.75	27.12	72.68	126.89	100.99	273.37	10.32
Pu	1700-2000	0-8	1	239.93	101.13	48.87	114.68	0.00	22.13	609.31	14.29
Pu	1700-2000	0-8	2	239.93	101.13	48.87	114.68	0.00	0.00	632.82	14.29
Pu	1700-2000	0-8	3	239.93	101.13	48.87	114.68	0.00	0.00	709.78	14.29
Pu	1700-2000	0-8	4	238.96	101.13	48.57	114.68	0.00	0.00	694.04	14.29
Pu	1700-2000	0-8	5	238.96	101.13	48.57	114.68	0.00	0.00	651.91	14.29
Pu	1700-2000	0-8	6	238.96	101.13	48.57	114.68	0.00	0.00	568.78	14.29
Pu	1700-2000	0-8	7	238.96	101.13	48.57	114.68	0.00	0.00	495.69	14.29
Pu	1700-2000	0-8	8	238.96	101.13	47.46	114.68	0.00	0.00	495.69	14.29
Pu	1700-2000	0-8	9	238.96	101.13	47.46	114.68	0.00	0.00	487.35	14.29
Pu	1700-2000	0-8	10	232.16	98.28	46.11	111.42	0.00	0.00	482.64	13.88
Pu	1700-2000	16-26	1	162.23	45.01	28.94	74.79	126.72	162.20	339.79	10.63

soil	rain	slope	mod	eah	ebre	efd	ee	epc	efc	ebf	ecf
Pu	1700-2000	16-26	2	162.23	45.01	28.94	74.79	126.72	138.05	389.90	10.63
Pu	1700-2000	16-26	3	161.75	45.01	29.17	74.79	126.72	138.05	379.53	10.63
Pu	1700-2000	16-26	4	161.33	45.01	28.15	74.79	126.72	114.21	348.55	10.63
Pu	1700-2000	16-26	5	161.33	45.01	28.15	74.79	126.72	114.21	281.46	10.63
Pu	1700-2000	16-26	6	161.34	45.01	27.93	74.79	126.72	100.99	281.41	10.63
Pu	1700-2000	16-26	7	156.74	43.75	27.12	72.68	126.89	100.99	273.37	10.32
Pu	1700-2000	8-16	1	239.93	101.13	48.87	114.68	0.00	22.13	609.31	14.29
Pu	1700-2000	8-16	2	239.93	101.13	48.87	114.68	0.00	0.00	632.82	14.29
Pu	1700-2000	8-16	3	239.93	101.13	48.87	114.68	0.00	0.00	709.78	14.29
Pu	1700-2000	8-16	4	238.96	101.13	48.57	114.68	0.00	0.00	694.04	14.29
Pu	1700-2000	8-16	5	238.96	101.13	48.57	114.68	0.00	0.00	651.91	14.29
Pu	1700-2000	8-16	6	238.96	101.13	48.57	114.68	0.00	0.00	568.78	14.29
Pu	1700-2000	8-16	7	238.96	101.13	48.57	114.68	0.00	0.00	495.69	14.29
Pu	1700-2000	8-16	8	238.96	101.13	47.46	114.68	0.00	0.00	495.69	14.29
Pu	1700-2000	8-16	9	238.96	101.13	47.46	114.68	0.00	0.00	487.35	14.29
Pu	1700-2000	8-16	10	232.16	98.28	46.11	111.42	0.00	0.00	482.64	13.88
Pu	1700-2000	GT26	1	162.23	45.01	28.94	74.79	126.72	162.20	339.79	10.63
Pu	1700-2000	GT26	2	162.23	45.01	28.94	74.79	126.72	138.05	389.90	10.63
Pu	1700-2000	GT26	3	161.75	45.01	29.17	74.79	126.72	138.05	379.53	10.63
Pu	1700-2000	GT26	4	161.33	45.01	28.15	74.79	126.72	114.21	348.55	10.63
Pu	1700-2000	GT26	5	161.33	45.01	28.15	74.79	126.72	114.21	281.46	10.63
Pu	1700-2000	GT26	6	161.34	45.01	27.93	74.79	126.72	100.99	281.41	10.63
Pu	1700-2000	GT26	7	156.74	43.75	27.12	72.68	126.89	100.99	273.37	10.32
Pu	GT2000	0-8	1	178.40	67.26	37.87	95.89	67.32	62.78	303.50	9.12
Pu	GT2000	0-8	2	178.40	67.26	37.74	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	0-8	3	178.40	67.26	37.45	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	0-8	4	177.75	67.26	37.91	95.89	91.41	0.00	459.96	9.12
Pu	GT2000	0-8	5	177.75	67.26	37.25	95.89	91.41	0.00	457.77	9.12
Pu	GT2000	0-8	6	177.75	67.26	36.68	95.89	91.41	0.00	417.38	9.12
Pu	GT2000	0-8	7	172.56	65.32	35.44	92.63	86.84	0.00	399.23	9.12
Pu	GT2000	16-26	1	178.40	67.26	37.87	95.89	67.32	62.78	303.50	9.12
Pu	GT2000	16-26	2	178.40	67.26	37.74	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	16-26	3	178.40	67.26	37.45	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	16-26	4	177.75	67.26	37.91	95.89	91.41	0.00	459.96	9.12
Pu	GT2000	16-26	5	177.75	67.26	37.25	95.89	91.41	0.00	457.77	9.12
Pu	GT2000	16-26	6	177.75	67.26	36.68	95.89	91.41	0.00	417.38	9.12
Pu	GT2000	16-26	7	172.56	65.32	35.44	92.63	86.84	0.00	399.23	9.12
Pu	GT2000	8-16	1	178.40	67.26	37.87	95.89	67.32	62.78	303.50	9.12
Pu	GT2000	8-16	2	178.40	67.26	37.74	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	8-16	3	178.40	67.26	37.45	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	8-16	4	177.75	67.26	37.91	95.89	91.41	0.00	459.96	9.12
Pu	GT2000	8-16	5	177.75	67.26	37.25	95.89	91.41	0.00	457.77	9.12
Pu	GT2000	8-16	6	177.75	67.26	36.68	95.89	91.41	0.00	417.38	9.12
Pu	GT2000	8-16	7	172.56	65.32	35.44	92.63	86.84	0.00	399.23	9.12
Pu	GT2000	GT26	1	178.40	67.26	37.87	95.89	67.32	62.78	303.50	9.12

soil	rain	slope	mod	eah	ebre	efd	ee	epc	efc	ebf	ecf
Pu	GT2000	GT26	2	178.40	67.26	37.74	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	GT26	3	178.40	67.26	37.45	95.89	91.41	0.00	413.77	9.12
Pu	GT2000	GT26	4	177.75	67.26	37.91	95.89	91.41	0.00	459.96	9.12
Pu	GT2000	GT26	5	177.75	67.26	37.25	95.89	91.41	0.00	457.77	9.12
Pu	GT2000	GT26	6	177.75	67.26	36.68	95.89	91.41	0.00	417.38	9.12
Pu	GT2000	GT26	7	172.56	65.32	35.44	92.63	86.84	0.00	399.23	9.12
Re	1500-1700	0-8	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	1500-1700	0-8	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	1500-1700	0-8	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29
Re	1500-1700	0-8	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	1500-1700	0-8	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	1500-1700	0-8	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	1500-1700	0-8	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	1500-1700	0-8	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	1500-1700	0-8	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
Re	1500-1700	16-26	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	1500-1700	16-26	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	1500-1700	16-26	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29
Re	1500-1700	16-26	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	1500-1700	16-26	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	1500-1700	16-26	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	1500-1700	16-26	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	1500-1700	16-26	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	1500-1700	16-26	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
Re	1500-1700	8-16	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	1500-1700	8-16	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	1500-1700	8-16	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29
Re	1500-1700	8-16	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	1500-1700	8-16	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	1500-1700	8-16	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	1500-1700	8-16	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	1500-1700	8-16	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	1500-1700	8-16	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
Re	1500-1700	GT26	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	1500-1700	GT26	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	1500-1700	GT26	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29
Re	1500-1700	GT26	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	1500-1700	GT26	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	1500-1700	GT26	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	1500-1700	GT26	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	1500-1700	GT26	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	1500-1700	GT26	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
Re	LT1500	0-8	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	LT1500	0-8	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	LT1500	0-8	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29

soil	rain	slope	mod	eah	ebre	efd	ee	epc	efc	ebf	ecf
Re	LT1500	0-8	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	LT1500	0-8	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	LT1500	0-8	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	LT1500	0-8	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	LT1500	0-8	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	LT1500	0-8	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
Re	LT1500	16-26	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	LT1500	16-26	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	LT1500	16-26	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29
Re	LT1500	16-26	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	LT1500	16-26	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	LT1500	16-26	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	LT1500	16-26	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	LT1500	16-26	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	LT1500	16-26	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
Re	LT1500	8-16	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	LT1500	8-16	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	LT1500	8-16	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29
Re	LT1500	8-16	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	LT1500	8-16	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	LT1500	8-16	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	LT1500	8-16	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	LT1500	8-16	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	LT1500	8-16	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
Re	LT1500	GT26	1	239.93	101.13	48.87	114.68	0.00	22.13	592.57	14.29
Re	LT1500	GT26	2	239.93	101.13	48.87	114.68	0.00	0.00	651.35	14.29
Re	LT1500	GT26	3	239.93	101.13	49.03	114.68	0.00	0.00	931.12	14.29
Re	LT1500	GT26	4	238.96	101.13	49.04	114.68	0.00	0.00	883.79	14.29
Re	LT1500	GT26	5	238.96	101.13	49.04	114.68	0.00	0.00	775.24	14.29
Re	LT1500	GT26	6	238.96	101.13	49.04	114.68	0.00	0.00	745.05	14.29
Re	LT1500	GT26	7	235.72	99.79	47.28	113.15	0.00	0.00	730.69	14.08
Re	LT1500	GT26	8	235.72	99.79	46.17	113.15	0.00	0.00	703.09	14.08
Re	LT1500	GT26	9	228.67	96.77	44.76	109.70	0.00	0.00	681.47	13.68
other	1500-1700	0-8	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
other	1500-1700	0-8	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
other	1500-1700	0-8	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
other	1500-1700	0-8	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
other	1500-1700	0-8	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
other	1500-1700	0-8	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
other	1500-1700	16-26	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
other	1500-1700	16-26	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
other	1500-1700	16-26	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
other	1500-1700	16-26	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
other	1500-1700	16-26	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
other	1500-1700	16-26	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50

soil	rain	slope	mod	eah	ebre	efd	ee	epc	efc	ebf	ecf
other	1500-1700	8-16	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
other	1500-1700	8-16	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
other	1500-1700	8-16	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
other	1500-1700	8-16	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
other	1500-1700	8-16	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
other	1500-1700	8-16	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
other	GT2000	0-8	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
other	GT2000	0-8	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
other	GT2000	0-8	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
other	GT2000	0-8	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
other	GT2000	0-8	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
other	GT2000	0-8	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
other	GT2000	16-26	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
other	GT2000	16-26	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
other	GT2000	16-26	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
other	GT2000	16-26	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
other	GT2000	16-26	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
other	GT2000	16-26	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
other	GT2000	8-16	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
other	GT2000	8-16	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
other	GT2000	8-16	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
other	GT2000	8-16	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
other	GT2000	8-16	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
other	GT2000	8-16	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50
other	GT2000	GT26	1	245.06	100.46	48.50	113.53	138.08	64.39	695.57	16.00
other	GT2000	GT26	2	243.94	100.46	48.15	113.53	138.08	64.39	689.25	16.00
other	GT2000	GT26	3	243.94	100.46	47.53	113.53	138.08	64.39	623.56	16.00
other	GT2000	GT26	4	243.94	100.46	46.91	113.53	124.93	64.39	550.90	16.00
other	GT2000	GT26	5	243.94	100.46	46.91	113.53	124.93	51.16	550.90	16.00
other	GT2000	GT26	6	235.90	97.11	45.33	109.70	124.93	47.58	532.60	15.50

soil	rain	slope	mod	eg	efn	en	erg	ewpc	eve	ef	erl
Al	1500-1700	0-8	1	839.36	535.67	385.83	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	2	839.36	534.93	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	3	839.36	535.60	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	4	839.36	535.84	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	5	839.36	527.79	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	6	839.36	520.47	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	7	811.25	499.49	179.97	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	8	811.25	495.55	179.97	12.60	34.00	169.00	73.00	274.00
Al	1500-1700	0-8	9	784.22	477.54	170.97	12.05	32.30	160.55	69.35	260.30
Al	1500-1700	16-26	1	839.36	535.67	385.83	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	2	839.36	534.93	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	3	839.36	535.60	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	4	839.36	535.84	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	5	839.36	527.79	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	6	839.36	520.47	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	7	811.25	499.49	179.97	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	8	811.25	495.55	179.97	12.60	34.00	169.00	73.00	274.00
Al	1500-1700	16-26	9	784.22	477.54	170.97	12.05	32.30	160.55	69.35	260.30
Al	1500-1700	8-16	1	839.36	535.67	385.83	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	2	839.36	534.93	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	3	839.36	535.60	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	4	839.36	535.84	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	5	839.36	527.79	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	6	839.36	520.47	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	7	811.25	499.49	179.97	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	8	811.25	495.55	179.97	12.60	34.00	169.00	73.00	274.00
Al	1500-1700	8-16	9	784.22	477.54	170.97	12.05	32.30	160.55	69.35	260.30
Al	1500-1700	GT26	1	839.36	535.67	385.83	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	2	839.36	534.93	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	3	839.36	535.60	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	4	839.36	535.84	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	5	839.36	527.79	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	6	839.36	520.47	275.48	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	7	811.25	499.49	179.97	15.53	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	8	811.25	495.55	179.97	12.60	34.00	169.00	73.00	274.00
Al	1500-1700	GT26	9	784.22	477.54	170.97	12.05	32.30	160.55	69.35	260.30
Po	1500-1700	0-8	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	0-8	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	0-8	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	0-8	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	0-8	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	0-8	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	1500-1700	16-26	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	16-26	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	16-26	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00

soil	rain	slope	mod	eg	efn	en	erg	ewpc	eve	ef	erl
Po	1500-1700	16-26	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	16-26	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	16-26	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	1500-1700	8-16	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	8-16	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	8-16	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	8-16	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	8-16	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	8-16	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	1500-1700	GT26	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	GT26	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	GT26	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	GT26	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	GT26	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	1500-1700	GT26	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	GT2000	0-8	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	0-8	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	0-8	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	0-8	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	0-8	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	0-8	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	GT2000	16-26	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	16-26	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	16-26	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	16-26	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	16-26	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	16-26	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	GT2000	8-16	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	8-16	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	8-16	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	8-16	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	8-16	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	8-16	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	GT2000	GT26	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	GT26	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	GT26	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	GT26	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	GT26	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	GT26	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
Po	GT2000	na	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	na	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	na	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	na	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	na	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
Po	GT2000	na	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72

soil	rain	slope	mod	eg	efn	en	erg	ewpc	eve	ef	erl
Pu	1500-1700	0-8	1	725.95	536.05	342.66	10.55	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	2	725.95	536.00	342.66	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	3	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	4	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	5	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	6	725.95	525.82	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	7	725.95	511.30	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	8	725.95	486.65	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	9	725.95	485.99	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	0-8	10	705.60	472.03	171.94	0.00	32.34	160.74	69.43	260.61
Pu	1500-1700	16-26	1	408.09	399.94	94.56	46.99	34.00	40.00	37.00	147.00
Pu	1500-1700	16-26	2	408.09	399.52	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1500-1700	16-26	3	408.09	399.86	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1500-1700	16-26	4	408.09	393.54	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1500-1700	16-26	5	408.09	383.32	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1500-1700	16-26	6	408.09	367.85	94.56	25.21	34.00	40.00	37.00	147.00
Pu	1500-1700	16-26	7	396.05	358.39	88.86	25.21	32.27	37.97	35.12	139.54
Pu	1500-1700	8-16	1	725.95	536.05	342.66	10.55	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	2	725.95	536.00	342.66	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	3	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	4	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	5	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	6	725.95	525.82	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	7	725.95	511.30	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	8	725.95	486.65	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	9	725.95	485.99	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1500-1700	8-16	10	705.60	472.03	171.94	0.00	32.34	160.74	69.43	260.61
Pu	1500-1700	GT26	1	408.09	399.94	94.56	46.99	34.00	40.00	37.00	147.00
Pu	1500-1700	GT26	2	408.09	399.52	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1500-1700	GT26	3	408.09	399.86	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1500-1700	GT26	4	408.09	393.54	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1500-1700	GT26	5	408.09	383.32	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1500-1700	GT26	6	408.09	367.85	94.56	25.21	34.00	40.00	37.00	147.00
Pu	1500-1700	GT26	7	396.05	358.39	88.86	25.21	32.27	37.97	35.12	139.54
Pu	1700-2000	0-8	1	725.95	536.05	342.66	10.55	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	2	725.95	536.00	342.66	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	3	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	4	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	5	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	6	725.95	525.82	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	7	725.95	511.30	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	8	725.95	486.65	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	9	725.95	485.99	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	0-8	10	705.60	472.03	171.94	0.00	32.34	160.74	69.43	260.61
Pu	1700-2000	16-26	1	408.09	399.94	94.56	46.99	34.00	40.00	37.00	147.00

soil	rain	slope	mod	eg	efn	en	erg	ewpc	eve	ef	erl
Pu	1700-2000	16-26	2	408.09	399.52	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1700-2000	16-26	3	408.09	399.86	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1700-2000	16-26	4	408.09	393.54	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1700-2000	16-26	5	408.09	383.32	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1700-2000	16-26	6	408.09	367.85	94.56	25.21	34.00	40.00	37.00	147.00
Pu	1700-2000	16-26	7	396.05	358.39	88.86	25.21	32.27	37.97	35.12	139.54
Pu	1700-2000	8-16	1	725.95	536.05	342.66	10.55	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	2	725.95	536.00	342.66	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	3	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	4	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	5	725.95	536.00	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	6	725.95	525.82	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	7	725.95	511.30	290.95	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	8	725.95	486.65	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	9	725.95	485.99	182.92	0.00	34.00	169.00	73.00	274.00
Pu	1700-2000	8-16	10	705.60	472.03	171.94	0.00	32.34	160.74	69.43	260.61
Pu	1700-2000	GT26	1	408.09	399.94	94.56	46.99	34.00	40.00	37.00	147.00
Pu	1700-2000	GT26	2	408.09	399.52	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1700-2000	GT26	3	408.09	399.86	94.56	35.48	34.00	40.00	37.00	147.00
Pu	1700-2000	GT26	4	408.09	393.54	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1700-2000	GT26	5	408.09	383.32	94.56	31.51	34.00	40.00	37.00	147.00
Pu	1700-2000	GT26	6	408.09	367.85	94.56	25.21	34.00	40.00	37.00	147.00
Pu	1700-2000	GT26	7	396.05	358.39	88.86	25.21	32.27	37.97	35.12	139.54
Pu	GT2000	0-8	1	264.66	537.34	214.20	29.92	34.00	169.00	73.00	274.00
Pu	GT2000	0-8	2	264.66	536.26	214.20	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	0-8	3	264.66	536.79	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	0-8	4	264.66	535.91	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	0-8	5	264.66	526.80	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	0-8	6	264.66	516.68	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	0-8	7	264.66	499.67	170.32	0.00	32.30	160.55	69.35	260.30
Pu	GT2000	16-26	1	264.66	537.34	214.20	29.92	34.00	169.00	73.00	274.00
Pu	GT2000	16-26	2	264.66	536.26	214.20	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	16-26	3	264.66	536.79	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	16-26	4	264.66	535.91	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	16-26	5	264.66	526.80	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	16-26	6	264.66	516.68	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	16-26	7	264.66	499.67	170.32	0.00	32.30	160.55	69.35	260.30
Pu	GT2000	8-16	1	264.66	537.34	214.20	29.92	34.00	169.00	73.00	274.00
Pu	GT2000	8-16	2	264.66	536.26	214.20	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	8-16	3	264.66	536.79	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	8-16	4	264.66	535.91	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	8-16	5	264.66	526.80	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	8-16	6	264.66	516.68	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	8-16	7	264.66	499.67	170.32	0.00	32.30	160.55	69.35	260.30
Pu	GT2000	GT26	1	264.66	537.34	214.20	29.92	34.00	169.00	73.00	274.00

soil	rain	slope	mod	eg	efn	en	erg	ewpc	eve	ef	erl
Pu	GT2000	GT26	2	264.66	536.26	214.20	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	GT26	3	264.66	536.79	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	GT26	4	264.66	535.91	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	GT26	5	264.66	526.80	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	GT26	6	264.66	516.68	179.28	0.00	34.00	169.00	73.00	274.00
Pu	GT2000	GT26	7	264.66	499.67	170.32	0.00	32.30	160.55	69.35	260.30
Re	1500-1700	0-8	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	0-8	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
Re	1500-1700	16-26	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	16-26	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
Re	1500-1700	8-16	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	8-16	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
Re	1500-1700	GT26	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	1500-1700	GT26	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
Re	LT1500	0-8	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	LT1500	0-8	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	LT1500	0-8	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00

soil	rain	slope	mod	eg	efn	en	erg	ewpc	eve	ef	erl
Re	LT1500	0-8	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	0-8	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	0-8	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	0-8	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	0-8	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	0-8	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
Re	LT1500	16-26	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	LT1500	16-26	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	LT1500	16-26	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	16-26	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	16-26	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	16-26	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	16-26	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	16-26	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	16-26	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
Re	LT1500	8-16	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	LT1500	8-16	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	LT1500	8-16	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	8-16	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	8-16	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	8-16	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	8-16	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	8-16	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	8-16	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
Re	LT1500	GT26	1	661.39	536.37	342.66	10.55	34.00	169.00	73.00	274.00
Re	LT1500	GT26	2	661.39	536.19	342.66	0.00	34.00	169.00	73.00	274.00
Re	LT1500	GT26	3	661.39	537.30	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	GT26	4	661.39	536.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	GT26	5	661.39	517.74	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	GT26	6	661.39	511.94	212.67	0.00	34.00	169.00	73.00	274.00
Re	LT1500	GT26	7	652.94	496.16	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	GT26	8	652.94	492.67	179.74	0.00	34.00	169.00	73.00	274.00
Re	LT1500	GT26	9	633.87	477.47	171.09	0.00	32.29	160.51	69.33	260.24
other	1500-1700	0-8	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	0-8	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	0-8	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	0-8	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	0-8	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	0-8	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
other	1500-1700	16-26	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	16-26	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	16-26	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	16-26	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	16-26	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	16-26	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72

soil	rain	slope	mod	eg	efn	en	erg	ewpc	eve	ef	erl
other	1500-1700	8-16	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	8-16	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	8-16	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	8-16	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	8-16	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
other	1500-1700	8-16	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
other	GT2000	0-8	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	0-8	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	0-8	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	0-8	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	0-8	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	0-8	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
other	GT2000	16-26	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	16-26	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	16-26	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	16-26	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	16-26	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	16-26	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
other	GT2000	8-16	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	8-16	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	8-16	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	8-16	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	8-16	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	8-16	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72
other	GT2000	GT26	1	629.66	536.53	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	GT26	2	629.66	536.45	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	GT26	3	629.66	523.63	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	GT26	4	629.66	512.77	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	GT26	5	629.66	511.58	178.36	0.00	34.00	169.00	73.00	274.00
other	GT2000	GT26	6	610.00	498.59	167.93	0.00	32.35	160.81	69.46	260.72

soil	rain	slope	mod	erp	efca	eae	ei	eal	er	etfwe	edp
Al	1500-1700	0-8	1	72.00	68.47	142.00	62.00	21.00	107.00	4901.95	317.00
Al	1500-1700	0-8	2	72.00	68.47	142.00	62.00	21.00	107.00	5028.49	317.00
Al	1500-1700	0-8	3	72.00	68.47	142.00	62.00	21.00	107.00	5015.70	317.00
Al	1500-1700	0-8	4	72.00	68.47	142.00	62.00	21.00	107.00	5009.63	317.00
Al	1500-1700	0-8	5	72.00	68.47	142.00	62.00	21.00	107.00	4950.38	317.00
Al	1500-1700	0-8	6	72.00	68.47	142.00	62.00	21.00	107.00	4903.87	317.00
Al	1500-1700	0-8	7	72.00	66.06	142.00	62.00	21.00	107.00	4677.32	317.00
Al	1500-1700	0-8	8	72.00	66.06	142.00	62.00	21.00	107.00	4664.29	317.00
Al	1500-1700	0-8	9	68.40	63.64	134.90	58.90	19.95	101.65	4479.58	301.15
Al	1500-1700	16-26	1	72.00	68.47	142.00	62.00	21.00	107.00	4901.95	317.00
Al	1500-1700	16-26	2	72.00	68.47	142.00	62.00	21.00	107.00	5028.49	317.00
Al	1500-1700	16-26	3	72.00	68.47	142.00	62.00	21.00	107.00	5015.70	317.00
Al	1500-1700	16-26	4	72.00	68.47	142.00	62.00	21.00	107.00	5009.63	317.00
Al	1500-1700	16-26	5	72.00	68.47	142.00	62.00	21.00	107.00	4950.38	317.00
Al	1500-1700	16-26	6	72.00	68.47	142.00	62.00	21.00	107.00	4903.87	317.00
Al	1500-1700	16-26	7	72.00	66.06	142.00	62.00	21.00	107.00	4677.32	317.00
Al	1500-1700	16-26	8	72.00	66.06	142.00	62.00	21.00	107.00	4664.29	317.00
Al	1500-1700	16-26	9	68.40	63.64	134.90	58.90	19.95	101.65	4479.58	301.15
Al	1500-1700	8-16	1	72.00	68.47	142.00	62.00	21.00	107.00	4901.95	317.00
Al	1500-1700	8-16	2	72.00	68.47	142.00	62.00	21.00	107.00	5028.49	317.00
Al	1500-1700	8-16	3	72.00	68.47	142.00	62.00	21.00	107.00	5015.70	317.00
Al	1500-1700	8-16	4	72.00	68.47	142.00	62.00	21.00	107.00	5009.63	317.00
Al	1500-1700	8-16	5	72.00	68.47	142.00	62.00	21.00	107.00	4950.38	317.00
Al	1500-1700	8-16	6	72.00	68.47	142.00	62.00	21.00	107.00	4903.87	317.00
Al	1500-1700	8-16	7	72.00	66.06	142.00	62.00	21.00	107.00	4677.32	317.00
Al	1500-1700	8-16	8	72.00	66.06	142.00	62.00	21.00	107.00	4664.29	317.00
Al	1500-1700	8-16	9	68.40	63.64	134.90	58.90	19.95	101.65	4479.58	301.15
Al	1500-1700	GT26	1	72.00	68.47	142.00	62.00	21.00	107.00	4901.95	317.00
Al	1500-1700	GT26	2	72.00	68.47	142.00	62.00	21.00	107.00	5028.49	317.00
Al	1500-1700	GT26	3	72.00	68.47	142.00	62.00	21.00	107.00	5015.70	317.00
Al	1500-1700	GT26	4	72.00	68.47	142.00	62.00	21.00	107.00	5009.63	317.00
Al	1500-1700	GT26	5	72.00	68.47	142.00	62.00	21.00	107.00	4950.38	317.00
Al	1500-1700	GT26	6	72.00	68.47	142.00	62.00	21.00	107.00	4903.87	317.00
Al	1500-1700	GT26	7	72.00	66.06	142.00	62.00	21.00	107.00	4677.32	317.00
Al	1500-1700	GT26	8	72.00	66.06	142.00	62.00	21.00	107.00	4664.29	317.00
Al	1500-1700	GT26	9	68.40	63.64	134.90	58.90	19.95	101.65	4479.58	301.15
Po	1500-1700	0-8	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	1500-1700	0-8	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	1500-1700	0-8	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	1500-1700	0-8	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	1500-1700	0-8	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	1500-1700	0-8	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	1500-1700	16-26	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	1500-1700	16-26	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	1500-1700	16-26	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00

soil	rain	slope	mod	erp	efca	eae	ei	eal	er	etfwe	edp
Po	1500-1700	16-26	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	1500-1700	16-26	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	1500-1700	16-26	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	1500-1700	8-16	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	1500-1700	8-16	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	1500-1700	8-16	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	1500-1700	8-16	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	1500-1700	8-16	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	1500-1700	8-16	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	1500-1700	GT26	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	1500-1700	GT26	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	1500-1700	GT26	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	1500-1700	GT26	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	1500-1700	GT26	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	1500-1700	GT26	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	GT2000	0-8	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	GT2000	0-8	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	GT2000	0-8	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	GT2000	0-8	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	GT2000	0-8	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	GT2000	0-8	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	GT2000	16-26	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	GT2000	16-26	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	GT2000	16-26	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	GT2000	16-26	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	GT2000	16-26	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	GT2000	16-26	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	GT2000	8-16	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	GT2000	8-16	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	GT2000	8-16	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	GT2000	8-16	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	GT2000	8-16	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	GT2000	8-16	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	GT2000	GT26	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	GT2000	GT26	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	GT2000	GT26	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	GT2000	GT26	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	GT2000	GT26	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	GT2000	GT26	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
Po	GT2000	na	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
Po	GT2000	na	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
Po	GT2000	na	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
Po	GT2000	na	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
Po	GT2000	na	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
Po	GT2000	na	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64

soil	rain	slope	mod	erp	efca	eae	ei	eal	er	etfwe	edp
Pu	1500-1700	0-8	1	72.00	62.80	142.00	62.00	21.00	107.00	4768.09	317.00
Pu	1500-1700	0-8	2	72.00	62.80	142.00	62.00	21.00	107.00	4758.87	317.00
Pu	1500-1700	0-8	3	72.00	62.80	142.00	62.00	21.00	107.00	4784.12	317.00
Pu	1500-1700	0-8	4	72.00	62.80	142.00	62.00	21.00	107.00	4767.12	317.00
Pu	1500-1700	0-8	5	72.00	62.80	142.00	62.00	21.00	107.00	4724.99	317.00
Pu	1500-1700	0-8	6	72.00	62.80	142.00	62.00	21.00	107.00	4631.68	317.00
Pu	1500-1700	0-8	7	72.00	62.80	142.00	62.00	21.00	107.00	4544.07	317.00
Pu	1500-1700	0-8	8	72.00	62.80	142.00	62.00	21.00	107.00	4410.29	317.00
Pu	1500-1700	0-8	9	72.00	62.80	142.00	62.00	21.00	107.00	4401.28	317.00
Pu	1500-1700	0-8	10	68.48	61.02	135.06	58.97	19.97	101.77	4260.17	301.51
Pu	1500-1700	16-26	1	46.00	40.96	142.00	40.00	21.00	63.00	3153.72	237.00
Pu	1500-1700	16-26	2	46.00	40.96	142.00	40.00	21.00	63.00	3167.75	237.00
Pu	1500-1700	16-26	3	46.00	40.96	142.00	40.00	21.00	63.00	3157.47	237.00
Pu	1500-1700	16-26	4	46.00	40.96	142.00	40.00	21.00	63.00	3090.93	237.00
Pu	1500-1700	16-26	5	46.00	40.96	142.00	40.00	21.00	63.00	3013.62	237.00
Pu	1500-1700	16-26	6	46.00	40.96	142.00	40.00	21.00	63.00	2978.37	237.00
Pu	1500-1700	16-26	7	43.67	39.80	134.80	37.97	19.94	59.80	2886.02	224.98
Pu	1500-1700	8-16	1	72.00	62.80	142.00	62.00	21.00	107.00	4768.09	317.00
Pu	1500-1700	8-16	2	72.00	62.80	142.00	62.00	21.00	107.00	4758.87	317.00
Pu	1500-1700	8-16	3	72.00	62.80	142.00	62.00	21.00	107.00	4784.12	317.00
Pu	1500-1700	8-16	4	72.00	62.80	142.00	62.00	21.00	107.00	4767.12	317.00
Pu	1500-1700	8-16	5	72.00	62.80	142.00	62.00	21.00	107.00	4724.99	317.00
Pu	1500-1700	8-16	6	72.00	62.80	142.00	62.00	21.00	107.00	4631.68	317.00
Pu	1500-1700	8-16	7	72.00	62.80	142.00	62.00	21.00	107.00	4544.07	317.00
Pu	1500-1700	8-16	8	72.00	62.80	142.00	62.00	21.00	107.00	4410.29	317.00
Pu	1500-1700	8-16	9	72.00	62.80	142.00	62.00	21.00	107.00	4401.28	317.00
Pu	1500-1700	8-16	10	68.48	61.02	135.06	58.97	19.97	101.77	4260.17	301.51
Pu	1500-1700	GT26	1	46.00	40.96	142.00	40.00	21.00	63.00	3153.72	237.00
Pu	1500-1700	GT26	2	46.00	40.96	142.00	40.00	21.00	63.00	3167.75	237.00
Pu	1500-1700	GT26	3	46.00	40.96	142.00	40.00	21.00	63.00	3157.47	237.00
Pu	1500-1700	GT26	4	46.00	40.96	142.00	40.00	21.00	63.00	3090.93	237.00
Pu	1500-1700	GT26	5	46.00	40.96	142.00	40.00	21.00	63.00	3013.62	237.00
Pu	1500-1700	GT26	6	46.00	40.96	142.00	40.00	21.00	63.00	2978.37	237.00
Pu	1500-1700	GT26	7	43.67	39.80	134.80	37.97	19.94	59.80	2886.02	224.98
Pu	1700-2000	0-8	1	72.00	62.80	142.00	62.00	21.00	107.00	4768.09	317.00
Pu	1700-2000	0-8	2	72.00	62.80	142.00	62.00	21.00	107.00	4758.87	317.00
Pu	1700-2000	0-8	3	72.00	62.80	142.00	62.00	21.00	107.00	4784.12	317.00
Pu	1700-2000	0-8	4	72.00	62.80	142.00	62.00	21.00	107.00	4767.12	317.00
Pu	1700-2000	0-8	5	72.00	62.80	142.00	62.00	21.00	107.00	4724.99	317.00
Pu	1700-2000	0-8	6	72.00	62.80	142.00	62.00	21.00	107.00	4631.68	317.00
Pu	1700-2000	0-8	7	72.00	62.80	142.00	62.00	21.00	107.00	4544.07	317.00
Pu	1700-2000	0-8	8	72.00	62.80	142.00	62.00	21.00	107.00	4410.29	317.00
Pu	1700-2000	0-8	9	72.00	62.80	142.00	62.00	21.00	107.00	4401.28	317.00
Pu	1700-2000	0-8	10	68.48	61.02	135.06	58.97	19.97	101.77	4260.17	301.51
Pu	1700-2000	16-26	1	46.00	40.96	142.00	40.00	21.00	63.00	3153.72	237.00

soil	rain	slope	mod	erp	efca	eae	ei	eal	er	etfwe	edp
Pu	1700-2000	16-26	2	46.00	40.96	142.00	40.00	21.00	63.00	3167.75	237.00
Pu	1700-2000	16-26	3	46.00	40.96	142.00	40.00	21.00	63.00	3157.47	237.00
Pu	1700-2000	16-26	4	46.00	40.96	142.00	40.00	21.00	63.00	3090.93	237.00
Pu	1700-2000	16-26	5	46.00	40.96	142.00	40.00	21.00	63.00	3013.62	237.00
Pu	1700-2000	16-26	6	46.00	40.96	142.00	40.00	21.00	63.00	2978.37	237.00
Pu	1700-2000	16-26	7	43.67	39.80	134.80	37.97	19.94	59.80	2886.02	224.98
Pu	1700-2000	8-16	1	72.00	62.80	142.00	62.00	21.00	107.00	4768.09	317.00
Pu	1700-2000	8-16	2	72.00	62.80	142.00	62.00	21.00	107.00	4758.87	317.00
Pu	1700-2000	8-16	3	72.00	62.80	142.00	62.00	21.00	107.00	4784.12	317.00
Pu	1700-2000	8-16	4	72.00	62.80	142.00	62.00	21.00	107.00	4767.12	317.00
Pu	1700-2000	8-16	5	72.00	62.80	142.00	62.00	21.00	107.00	4724.99	317.00
Pu	1700-2000	8-16	6	72.00	62.80	142.00	62.00	21.00	107.00	4631.68	317.00
Pu	1700-2000	8-16	7	72.00	62.80	142.00	62.00	21.00	107.00	4544.07	317.00
Pu	1700-2000	8-16	8	72.00	62.80	142.00	62.00	21.00	107.00	4410.29	317.00
Pu	1700-2000	8-16	9	72.00	62.80	142.00	62.00	21.00	107.00	4401.28	317.00
Pu	1700-2000	8-16	10	68.48	61.02	135.06	58.97	19.97	101.77	4260.17	301.51
Pu	1700-2000	GT26	1	46.00	40.96	142.00	40.00	21.00	63.00	3153.72	237.00
Pu	1700-2000	GT26	2	46.00	40.96	142.00	40.00	21.00	63.00	3167.75	237.00
Pu	1700-2000	GT26	3	46.00	40.96	142.00	40.00	21.00	63.00	3157.47	237.00
Pu	1700-2000	GT26	4	46.00	40.96	142.00	40.00	21.00	63.00	3090.93	237.00
Pu	1700-2000	GT26	5	46.00	40.96	142.00	40.00	21.00	63.00	3013.62	237.00
Pu	1700-2000	GT26	6	46.00	40.96	142.00	40.00	21.00	63.00	2978.37	237.00
Pu	1700-2000	GT26	7	43.67	39.80	134.80	37.97	19.94	59.80	2886.02	224.98
Pu	GT2000	0-8	1	72.00	52.51	142.00	62.00	21.00	107.00	3698.96	317.00
Pu	GT2000	0-8	2	72.00	52.51	142.00	62.00	21.00	107.00	3739.42	317.00
Pu	GT2000	0-8	3	72.00	52.51	142.00	62.00	21.00	107.00	3704.75	317.00
Pu	GT2000	0-8	4	72.00	52.51	142.00	62.00	21.00	107.00	3749.88	317.00
Pu	GT2000	0-8	5	72.00	52.51	142.00	62.00	21.00	107.00	3737.91	317.00
Pu	GT2000	0-8	6	72.00	52.51	142.00	62.00	21.00	107.00	3686.84	317.00
Pu	GT2000	0-8	7	68.40	50.73	134.90	58.90	19.95	101.65	3549.00	301.15
Pu	GT2000	16-26	1	72.00	52.51	142.00	62.00	21.00	107.00	3698.96	317.00
Pu	GT2000	16-26	2	72.00	52.51	142.00	62.00	21.00	107.00	3739.42	317.00
Pu	GT2000	16-26	3	72.00	52.51	142.00	62.00	21.00	107.00	3704.75	317.00
Pu	GT2000	16-26	4	72.00	52.51	142.00	62.00	21.00	107.00	3749.88	317.00
Pu	GT2000	16-26	5	72.00	52.51	142.00	62.00	21.00	107.00	3737.91	317.00
Pu	GT2000	16-26	6	72.00	52.51	142.00	62.00	21.00	107.00	3686.84	317.00
Pu	GT2000	16-26	7	68.40	50.73	134.90	58.90	19.95	101.65	3549.00	301.15
Pu	GT2000	8-16	1	72.00	52.51	142.00	62.00	21.00	107.00	3698.96	317.00
Pu	GT2000	8-16	2	72.00	52.51	142.00	62.00	21.00	107.00	3739.42	317.00
Pu	GT2000	8-16	3	72.00	52.51	142.00	62.00	21.00	107.00	3704.75	317.00
Pu	GT2000	8-16	4	72.00	52.51	142.00	62.00	21.00	107.00	3749.88	317.00
Pu	GT2000	8-16	5	72.00	52.51	142.00	62.00	21.00	107.00	3737.91	317.00
Pu	GT2000	8-16	6	72.00	52.51	142.00	62.00	21.00	107.00	3686.84	317.00
Pu	GT2000	8-16	7	68.40	50.73	134.90	58.90	19.95	101.65	3549.00	301.15
Pu	GT2000	GT26	1	72.00	52.51	142.00	62.00	21.00	107.00	3698.96	317.00

soil	rain	slope	mod	erp	efca	eae	ei	eal	er	etfwe	edp
Pu	GT2000	GT26	2	72.00	52.51	142.00	62.00	21.00	107.00	3739.42	317.00
Pu	GT2000	GT26	3	72.00	52.51	142.00	62.00	21.00	107.00	3704.75	317.00
Pu	GT2000	GT26	4	72.00	52.51	142.00	62.00	21.00	107.00	3749.88	317.00
Pu	GT2000	GT26	5	72.00	52.51	142.00	62.00	21.00	107.00	3737.91	317.00
Pu	GT2000	GT26	6	72.00	52.51	142.00	62.00	21.00	107.00	3686.84	317.00
Pu	GT2000	GT26	7	68.40	50.73	134.90	58.90	19.95	101.65	3549.00	301.15
Re	1500-1700	0-8	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	1500-1700	0-8	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	1500-1700	0-8	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00
Re	1500-1700	0-8	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	1500-1700	0-8	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	1500-1700	0-8	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	1500-1700	0-8	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	1500-1700	0-8	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	1500-1700	0-8	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
Re	1500-1700	16-26	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	1500-1700	16-26	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	1500-1700	16-26	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00
Re	1500-1700	16-26	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	1500-1700	16-26	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	1500-1700	16-26	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	1500-1700	16-26	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	1500-1700	16-26	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	1500-1700	16-26	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
Re	1500-1700	8-16	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	1500-1700	8-16	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	1500-1700	8-16	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00
Re	1500-1700	8-16	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	1500-1700	8-16	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	1500-1700	8-16	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	1500-1700	8-16	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	1500-1700	8-16	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	1500-1700	8-16	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
Re	1500-1700	GT26	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	1500-1700	GT26	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	1500-1700	GT26	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00
Re	1500-1700	GT26	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	1500-1700	GT26	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	1500-1700	GT26	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	1500-1700	GT26	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	1500-1700	GT26	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	1500-1700	GT26	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
Re	LT1500	0-8	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	LT1500	0-8	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	LT1500	0-8	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00

soil	rain	slope	mod	erp	efca	eae	ei	eal	er	etfwe	edp
Re	LT1500	0-8	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	LT1500	0-8	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	LT1500	0-8	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	LT1500	0-8	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	LT1500	0-8	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	LT1500	0-8	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
Re	LT1500	16-26	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	LT1500	16-26	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	LT1500	16-26	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00
Re	LT1500	16-26	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	LT1500	16-26	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	LT1500	16-26	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	LT1500	16-26	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	LT1500	16-26	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	LT1500	16-26	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
Re	LT1500	8-16	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	LT1500	8-16	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	LT1500	8-16	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00
Re	LT1500	8-16	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	LT1500	8-16	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	LT1500	8-16	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	LT1500	8-16	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	LT1500	8-16	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	LT1500	8-16	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
Re	LT1500	GT26	1	72.00	62.80	142.00	62.00	21.00	107.00	4687.10	317.00
Re	LT1500	GT26	2	72.00	62.80	142.00	62.00	21.00	107.00	4713.03	317.00
Re	LT1500	GT26	3	72.00	62.80	142.00	62.00	21.00	107.00	4864.08	317.00
Re	LT1500	GT26	4	72.00	62.80	142.00	62.00	21.00	107.00	4815.24	317.00
Re	LT1500	GT26	5	72.00	62.80	142.00	62.00	21.00	107.00	4687.69	317.00
Re	LT1500	GT26	6	72.00	62.80	142.00	62.00	21.00	107.00	4651.70	317.00
Re	LT1500	GT26	7	72.00	61.96	142.00	62.00	21.00	107.00	4558.07	317.00
Re	LT1500	GT26	8	72.00	61.96	142.00	62.00	21.00	107.00	4525.85	317.00
Re	LT1500	GT26	9	68.38	60.07	134.87	58.89	19.95	101.63	4366.51	301.08
other	1500-1700	0-8	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
other	1500-1700	0-8	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
other	1500-1700	0-8	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
other	1500-1700	0-8	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
other	1500-1700	0-8	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
other	1500-1700	0-8	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
other	1500-1700	16-26	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
other	1500-1700	16-26	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
other	1500-1700	16-26	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
other	1500-1700	16-26	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
other	1500-1700	16-26	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
other	1500-1700	16-26	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64

soil	rain	slope	mod	erp	efca	eae	ei	eal	er	etfwe	edp
other	1500-1700	8-16	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
other	1500-1700	8-16	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
other	1500-1700	8-16	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
other	1500-1700	8-16	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
other	1500-1700	8-16	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
other	1500-1700	8-16	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
other	GT2000	0-8	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
other	GT2000	0-8	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
other	GT2000	0-8	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
other	GT2000	0-8	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
other	GT2000	0-8	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
other	GT2000	0-8	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
other	GT2000	16-26	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
other	GT2000	16-26	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
other	GT2000	16-26	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
other	GT2000	16-26	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
other	GT2000	16-26	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
other	GT2000	16-26	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
other	GT2000	8-16	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
other	GT2000	8-16	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
other	GT2000	8-16	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
other	GT2000	8-16	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
other	GT2000	8-16	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
other	GT2000	8-16	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64
other	GT2000	GT26	1	72.00	62.17	142.00	62.00	21.00	107.00	4758.18	317.00
other	GT2000	GT26	2	72.00	62.17	142.00	62.00	21.00	107.00	4750.29	317.00
other	GT2000	GT26	3	72.00	62.17	142.00	62.00	21.00	107.00	4671.17	317.00
other	GT2000	GT26	4	72.00	62.17	142.00	62.00	21.00	107.00	4573.87	317.00
other	GT2000	GT26	5	72.00	62.17	142.00	62.00	21.00	107.00	4559.46	317.00
other	GT2000	GT26	6	68.51	60.07	135.12	59.00	19.98	101.81	4395.90	301.64

soil	rain	slope	mod	etfe
Al	1500-1700	0-8	1	5218.95
Al	1500-1700	0-8	2	5345.49
Al	1500-1700	0-8	3	5332.70
Al	1500-1700	0-8	4	5326.63
Al	1500-1700	0-8	5	5267.38
Al	1500-1700	0-8	6	5220.87
Al	1500-1700	0-8	7	4994.32
Al	1500-1700	0-8	8	4981.29
Al	1500-1700	0-8	9	4780.74
Al	1500-1700	16-26	1	5218.95
Al	1500-1700	16-26	2	5345.49
Al	1500-1700	16-26	3	5332.70
Al	1500-1700	16-26	4	5326.63
Al	1500-1700	16-26	5	5267.38
Al	1500-1700	16-26	6	5220.87
Al	1500-1700	16-26	7	4994.32
Al	1500-1700	16-26	8	4981.29
Al	1500-1700	16-26	9	4780.74
Al	1500-1700	8-16	1	5218.95
Al	1500-1700	8-16	2	5345.49
Al	1500-1700	8-16	3	5332.70
Al	1500-1700	8-16	4	5326.63
Al	1500-1700	8-16	5	5267.38
Al	1500-1700	8-16	6	5220.87
Al	1500-1700	8-16	7	4994.32
Al	1500-1700	8-16	8	4981.29
Al	1500-1700	8-16	9	4780.74
Al	1500-1700	GT26	1	5218.95
Al	1500-1700	GT26	2	5345.49
Al	1500-1700	GT26	3	5332.70
Al	1500-1700	GT26	4	5326.63
Al	1500-1700	GT26	5	5267.38
Al	1500-1700	GT26	6	5220.87
Al	1500-1700	GT26	7	4994.32
Al	1500-1700	GT26	8	4981.29
Al	1500-1700	GT26	9	4780.74
Po	1500-1700	0-8	1	5075.18
Po	1500-1700	0-8	2	5067.29
Po	1500-1700	0-8	3	4988.17
Po	1500-1700	0-8	4	4890.87
Po	1500-1700	0-8	5	4876.46
Po	1500-1700	0-8	6	4697.53
Po	1500-1700	16-26	1	5075.18
Po	1500-1700	16-26	2	5067.29
Po	1500-1700	16-26	3	4988.17

soil	rain	slope	mod	etfe
Po	1500-1700	16-26	4	4890.87
Po	1500-1700	16-26	5	4876.46
Po	1500-1700	16-26	6	4697.53
Po	1500-1700	8-16	1	5075.18
Po	1500-1700	8-16	2	5067.29
Po	1500-1700	8-16	3	4988.17
Po	1500-1700	8-16	4	4890.87
Po	1500-1700	8-16	5	4876.46
Po	1500-1700	8-16	6	4697.53
Po	1500-1700	GT26	1	5075.18
Po	1500-1700	GT26	2	5067.29
Po	1500-1700	GT26	3	4988.17
Po	1500-1700	GT26	4	4890.87
Po	1500-1700	GT26	5	4876.46
Po	1500-1700	GT26	6	4697.53
Po	GT2000	0-8	1	5075.18
Po	GT2000	0-8	2	5067.29
Po	GT2000	0-8	3	4988.17
Po	GT2000	0-8	4	4890.87
Po	GT2000	0-8	5	4876.46
Po	GT2000	0-8	6	4697.53
Po	GT2000	16-26	1	5075.18
Po	GT2000	16-26	2	5067.29
Po	GT2000	16-26	3	4988.17
Po	GT2000	16-26	4	4890.87
Po	GT2000	16-26	5	4876.46
Po	GT2000	16-26	6	4697.53
Po	GT2000	8-16	1	5075.18
Po	GT2000	8-16	2	5067.29
Po	GT2000	8-16	3	4988.17
Po	GT2000	8-16	4	4890.87
Po	GT2000	8-16	5	4876.46
Po	GT2000	8-16	6	4697.53
Po	GT2000	GT26	1	5075.18
Po	GT2000	GT26	2	5067.29
Po	GT2000	GT26	3	4988.17
Po	GT2000	GT26	4	4890.87
Po	GT2000	GT26	5	4876.46
Po	GT2000	GT26	6	4697.53
Po	GT2000	na	1	5075.18
Po	GT2000	na	2	5067.29
Po	GT2000	na	3	4988.17
Po	GT2000	na	4	4890.87
Po	GT2000	na	5	4876.46
Po	GT2000	na	6	4697.53

soil	rain	slope	mod	etfe
Pu	1500-1700	0-8	1	5085.09
Pu	1500-1700	0-8	2	5075.87
Pu	1500-1700	0-8	3	5101.12
Pu	1500-1700	0-8	4	5084.12
Pu	1500-1700	0-8	5	5041.99
Pu	1500-1700	0-8	6	4948.68
Pu	1500-1700	0-8	7	4861.07
Pu	1500-1700	0-8	8	4727.29
Pu	1500-1700	0-8	9	4718.28
Pu	1500-1700	0-8	10	4561.68
Pu	1500-1700	16-26	1	3390.72
Pu	1500-1700	16-26	2	3404.75
Pu	1500-1700	16-26	3	3394.47
Pu	1500-1700	16-26	4	3327.93
Pu	1500-1700	16-26	5	3250.62
Pu	1500-1700	16-26	6	3215.37
Pu	1500-1700	16-26	7	3111.00
Pu	1500-1700	8-16	1	5085.09
Pu	1500-1700	8-16	2	5075.87
Pu	1500-1700	8-16	3	5101.12
Pu	1500-1700	8-16	4	5084.12
Pu	1500-1700	8-16	5	5041.99
Pu	1500-1700	8-16	6	4948.68
Pu	1500-1700	8-16	7	4861.07
Pu	1500-1700	8-16	8	4727.29
Pu	1500-1700	8-16	9	4718.28
Pu	1500-1700	8-16	10	4561.68
Pu	1500-1700	GT26	1	3390.72
Pu	1500-1700	GT26	2	3404.75
Pu	1500-1700	GT26	3	3394.47
Pu	1500-1700	GT26	4	3327.93
Pu	1500-1700	GT26	5	3250.62
Pu	1500-1700	GT26	6	3215.37
Pu	1500-1700	GT26	7	3111.00
Pu	1700-2000	0-8	1	5085.09
Pu	1700-2000	0-8	2	5075.87
Pu	1700-2000	0-8	3	5101.12
Pu	1700-2000	0-8	4	5084.12
Pu	1700-2000	0-8	5	5041.99
Pu	1700-2000	0-8	6	4948.68
Pu	1700-2000	0-8	7	4861.07
Pu	1700-2000	0-8	8	4727.29
Pu	1700-2000	0-8	9	4718.28
Pu	1700-2000	0-8	10	4561.68
Pu	1700-2000	16-26	1	3390.72

soil	rain	slope	mod	etfe
Pu	1700-2000	16-26	2	3404.75
Pu	1700-2000	16-26	3	3394.47
Pu	1700-2000	16-26	4	3327.93
Pu	1700-2000	16-26	5	3250.62
Pu	1700-2000	16-26	6	3215.37
Pu	1700-2000	16-26	7	3111.00
Pu	1700-2000	8-16	1	5085.09
Pu	1700-2000	8-16	2	5075.87
Pu	1700-2000	8-16	3	5101.12
Pu	1700-2000	8-16	4	5084.12
Pu	1700-2000	8-16	5	5041.99
Pu	1700-2000	8-16	6	4948.68
Pu	1700-2000	8-16	7	4861.07
Pu	1700-2000	8-16	8	4727.29
Pu	1700-2000	8-16	9	4718.28
Pu	1700-2000	8-16	10	4561.68
Pu	1700-2000	GT26	1	3390.72
Pu	1700-2000	GT26	2	3404.75
Pu	1700-2000	GT26	3	3394.47
Pu	1700-2000	GT26	4	3327.93
Pu	1700-2000	GT26	5	3250.62
Pu	1700-2000	GT26	6	3215.37
Pu	1700-2000	GT26	7	3111.00
Pu	GT2000	0-8	1	4015.96
Pu	GT2000	0-8	2	4056.42
Pu	GT2000	0-8	3	4021.75
Pu	GT2000	0-8	4	4066.88
Pu	GT2000	0-8	5	4054.91
Pu	GT2000	0-8	6	4003.84
Pu	GT2000	0-8	7	3850.15
Pu	GT2000	16-26	1	4015.96
Pu	GT2000	16-26	2	4056.42
Pu	GT2000	16-26	3	4021.75
Pu	GT2000	16-26	4	4066.88
Pu	GT2000	16-26	5	4054.91
Pu	GT2000	16-26	6	4003.84
Pu	GT2000	16-26	7	3850.15
Pu	GT2000	8-16	1	4015.96
Pu	GT2000	8-16	2	4056.42
Pu	GT2000	8-16	3	4021.75
Pu	GT2000	8-16	4	4066.88
Pu	GT2000	8-16	5	4054.91
Pu	GT2000	8-16	6	4003.84
Pu	GT2000	8-16	7	3850.15
Pu	GT2000	GT26	1	4015.96

soil	rain	slope	mod	etfe
Pu	GT2000	GT26	2	4056.42
Pu	GT2000	GT26	3	4021.75
Pu	GT2000	GT26	4	4066.88
Pu	GT2000	GT26	5	4054.91
Pu	GT2000	GT26	6	4003.84
Pu	GT2000	GT26	7	3850.15
Re	1500-1700	0-8	1	5004.10
Re	1500-1700	0-8	2	5030.03
Re	1500-1700	0-8	3	5181.08
Re	1500-1700	0-8	4	5132.24
Re	1500-1700	0-8	5	5004.69
Re	1500-1700	0-8	6	4968.70
Re	1500-1700	0-8	7	4875.07
Re	1500-1700	0-8	8	4842.85
Re	1500-1700	0-8	9	4667.58
Re	1500-1700	16-26	1	5004.10
Re	1500-1700	16-26	2	5030.03
Re	1500-1700	16-26	3	5181.08
Re	1500-1700	16-26	4	5132.24
Re	1500-1700	16-26	5	5004.69
Re	1500-1700	16-26	6	4968.70
Re	1500-1700	16-26	7	4875.07
Re	1500-1700	16-26	8	4842.85
Re	1500-1700	16-26	9	4667.58
Re	1500-1700	8-16	1	5004.10
Re	1500-1700	8-16	2	5030.03
Re	1500-1700	8-16	3	5181.08
Re	1500-1700	8-16	4	5132.24
Re	1500-1700	8-16	5	5004.69
Re	1500-1700	8-16	6	4968.70
Re	1500-1700	8-16	7	4875.07
Re	1500-1700	8-16	8	4842.85
Re	1500-1700	8-16	9	4667.58
Re	1500-1700	GT26	1	5004.10
Re	1500-1700	GT26	2	5030.03
Re	1500-1700	GT26	3	5181.08
Re	1500-1700	GT26	4	5132.24
Re	1500-1700	GT26	5	5004.69
Re	1500-1700	GT26	6	4968.70
Re	1500-1700	GT26	7	4875.07
Re	1500-1700	GT26	8	4842.85
Re	1500-1700	GT26	9	4667.58
Re	LT1500	0-8	1	5004.10
Re	LT1500	0-8	2	5030.03
Re	LT1500	0-8	3	5181.08

soil	rain	slope	mod	etfe
Re	LT1500	0-8	4	5132.24
Re	LT1500	0-8	5	5004.69
Re	LT1500	0-8	6	4968.70
Re	LT1500	0-8	7	4875.07
Re	LT1500	0-8	8	4842.85
Re	LT1500	0-8	9	4667.58
Re	LT1500	16-26	1	5004.10
Re	LT1500	16-26	2	5030.03
Re	LT1500	16-26	3	5181.08
Re	LT1500	16-26	4	5132.24
Re	LT1500	16-26	5	5004.69
Re	LT1500	16-26	6	4968.70
Re	LT1500	16-26	7	4875.07
Re	LT1500	16-26	8	4842.85
Re	LT1500	16-26	9	4667.58
Re	LT1500	8-16	1	5004.10
Re	LT1500	8-16	2	5030.03
Re	LT1500	8-16	3	5181.08
Re	LT1500	8-16	4	5132.24
Re	LT1500	8-16	5	5004.69
Re	LT1500	8-16	6	4968.70
Re	LT1500	8-16	7	4875.07
Re	LT1500	8-16	8	4842.85
Re	LT1500	8-16	9	4667.58
Re	LT1500	GT26	1	5004.10
Re	LT1500	GT26	2	5030.03
Re	LT1500	GT26	3	5181.08
Re	LT1500	GT26	4	5132.24
Re	LT1500	GT26	5	5004.69
Re	LT1500	GT26	6	4968.70
Re	LT1500	GT26	7	4875.07
Re	LT1500	GT26	8	4842.85
Re	LT1500	GT26	9	4667.58
other	1500-1700	0-8	1	5075.18
other	1500-1700	0-8	2	5067.29
other	1500-1700	0-8	3	4988.17
other	1500-1700	0-8	4	4890.87
other	1500-1700	0-8	5	4876.46
other	1500-1700	0-8	6	4697.53
other	1500-1700	16-26	1	5075.18
other	1500-1700	16-26	2	5067.29
other	1500-1700	16-26	3	4988.17
other	1500-1700	16-26	4	4890.87
other	1500-1700	16-26	5	4876.46
other	1500-1700	16-26	6	4697.53

soil	rain	slope	mod	etfe
other	1500-1700	8-16	1	5075.18
other	1500-1700	8-16	2	5067.29
other	1500-1700	8-16	3	4988.17
other	1500-1700	8-16	4	4890.87
other	1500-1700	8-16	5	4876.46
other	1500-1700	8-16	6	4697.53
other	GT2000	0-8	1	5075.18
other	GT2000	0-8	2	5067.29
other	GT2000	0-8	3	4988.17
other	GT2000	0-8	4	4890.87
other	GT2000	0-8	5	4876.46
other	GT2000	0-8	6	4697.53
other	GT2000	16-26	1	5075.18
other	GT2000	16-26	2	5067.29
other	GT2000	16-26	3	4988.17
other	GT2000	16-26	4	4890.87
other	GT2000	16-26	5	4876.46
other	GT2000	16-26	6	4697.53
other	GT2000	8-16	1	5075.18
other	GT2000	8-16	2	5067.29
other	GT2000	8-16	3	4988.17
other	GT2000	8-16	4	4890.87
other	GT2000	8-16	5	4876.46
other	GT2000	8-16	6	4697.53
other	GT2000	GT26	1	5075.18
other	GT2000	GT26	2	5067.29
other	GT2000	GT26	3	4988.17
other	GT2000	GT26	4	4890.87
other	GT2000	GT26	5	4876.46
other	GT2000	GT26	6	4697.53

Appendix 2: Sheep and beef information

	Information	Description
fa	ha	total area
fe	ha	effective area
op420	\$	operating profit with average beef price of \$4.20/kg cwt
op375	\$	operating profit with average beef price of \$3.75/kg cwt
nl	kg N/ha	annual N loss to water per total area
pl	kg P/ha	annual P loss to water per total area
sr	SU/ha	stocking rate
psh	%	sheep stocking rate
srsh	SSU/ha	sheep stocking rate
pca	%	sheep stocking rate
srca	CSU/ha	cattle stocking rate
go	no. head	number of cows wintered on farm
srGo	head/ha	number of cows wintered on farm/ha
r1	no. head	number of heifer calves grazed on farm (Dec - April)
r2	no. head	number of yearling heifers grazed on farm (May - April)
nft	kg N/ha	nitrogen fertiliser
nfp	kg N/ha	nitrogen fertiliser
su	t DM/ha	supplement eaten
wp	kg greasy wool/ha	wool production
sp	kg sheep cwt/ha	sheep meat production
bp	kg beef cwt/ha	beef meat production
la	FTE	labour

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
AI	1500-1700	0-8	1	320	320	405	393	22.00	0.8	15	68	10.2	32	4.8
AI	1500-1700	0-8	2	320	320	418	406	21.00	0.8	14.8	68	10.1	32	4.7
AI	1500-1700	0-8	3	320	320	467	455	14.00	0.8	14.5	68	9.9	32	4.6
AI	1500-1700	0-8	7	320	320	445	433	14.00	0.8	14.4	67	9.6	33	4.8
AI	1500-1700	0-8	8	320	320	429	418	14.00	0.8	14.5	70	10.2	30	4.4
AI	1500-1700	16-26	1	535	535	259	237	18.00	0.9	12.8	72	9.2	28	3.6
AI	1500-1700	16-26	2	535	535	265	243	17.00	0.9	12.7	72	9.1	28	3.6
AI	1500-1700	16-26	3	535	535	282	260	13.00	0.9	12.5	72	9	28	3.5
AI	1500-1700	16-26	7	535	535	263	241	13.00	0.9	12.4	71	8.8	29	3.6
AI	1500-1700	8-16	1	320	320	405	393	22.00	0.8	15	68	10.2	32	4.8
AI	1500-1700	8-16	2	320	320	418	406	21.00	0.8	14.8	68	10.1	32	4.7
AI	1500-1700	8-16	3	320	320	467	455	14.00	0.8	14.5	68	9.9	32	4.6
AI	1500-1700	8-16	7	320	320	445	433	14.00	0.8	14.4	67	9.6	33	4.8
AI	1500-1700	8-16	8	320	320	429	418	14.00	0.8	14.5	70	10.2	30	4.4
AI	1500-1700	GT26	1	535	535	259	237	18.00	0.9	12.8	72	9.2	28	3.6
AI	1500-1700	GT26	2	535	535	265	243	17.00	0.9	12.7	72	9.1	28	3.6
AI	1500-1700	GT26	3	535	535	282	260	13.00	0.9	12.5	72	9	28	3.5
AI	1500-1700	GT26	7	535	535	263	241	13.00	0.9	12.4	71	8.8	29	3.6
AI	1700-2000	0-8	1	320	320	405	393	25.00	0.8	15	68	10.2	32	4.8
AI	1700-2000	0-8	2	320	320	418	406	23.86	0.8	14.8	68	10.1	32	4.7
AI	1700-2000	0-8	3	320	320	467	455	15.91	0.8	14.5	68	9.9	32	4.6
AI	1700-2000	0-8	7	320	320	445	433	15.91	0.8	14.4	67	9.6	33	4.8
AI	1700-2000	0-8	8	320	320	429	418	15.91	0.8	14.5	70	10.2	30	4.4
AI	1700-2000	16-26	1	535	535	259	237	21.00	0.9	12.8	72	9.2	28	3.6
AI	1700-2000	16-26	2	535	535	265	243	19.83	0.9	12.7	72	9.1	28	3.6
AI	1700-2000	16-26	3	535	535	282	260	15.17	0.9	12.5	72	9	28	3.5
AI	1700-2000	16-26	7	535	535	263	241	15.17	0.9	12.4	71	8.8	29	3.6
AI	1700-2000	8-16	1	320	320	405	393	25.00	0.8	15	68	10.2	32	4.8
AI	1700-2000	8-16	2	320	320	418	406	23.86	0.8	14.8	68	10.1	32	4.7
AI	1700-2000	8-16	3	320	320	467	455	15.91	0.8	14.5	68	9.9	32	4.6
AI	1700-2000	8-16	7	320	320	445	433	15.91	0.8	14.4	67	9.6	33	4.8
AI	1700-2000	8-16	8	320	320	429	418	15.91	0.8	14.5	70	10.2	30	4.4
AI	1700-2000	GT26	1	535	535	259	237	21.00	0.9	12.8	72	9.2	28	3.6
AI	1700-2000	GT26	2	535	535	265	243	19.83	0.9	12.7	72	9.1	28	3.6
AI	1700-2000	GT26	3	535	535	282	260	15.17	0.9	12.5	72	9	28	3.5
AI	1700-2000	GT26	7	535	535	263	241	15.17	0.9	12.4	71	8.8	29	3.6
AI	LT1500	0-8	1	320	320	405	393	18.00	0.8	15	68	10.2	32	4.8
AI	LT1500	0-8	2	320	320	418	406	17.18	0.8	14.8	68	10.1	32	4.7
AI	LT1500	0-8	3	320	320	467	455	11.45	0.8	14.5	68	9.9	32	4.6
AI	LT1500	0-8	7	320	320	445	433	11.45	0.8	14.4	67	9.6	33	4.8
AI	LT1500	0-8	8	320	320	429	418	11.45	0.8	14.5	70	10.2	30	4.4
AI	LT1500	16-26	1	535	535	259	237	15.00	0.9	12.8	72	9.2	28	3.6
AI	LT1500	16-26	2	535	535	265	243	14.17	0.9	12.7	72	9.1	28	3.6
AI	LT1500	16-26	3	535	535	282	260	10.83	0.9	12.5	72	9	28	3.5
AI	LT1500	16-26	7	535	535	263	241	10.83	0.9	12.4	71	8.8	29	3.6
AI	LT1500	8-16	1	320	320	405	393	18.00	0.8	15	68	10.2	32	4.8
AI	LT1500	8-16	2	320	320	418	406	17.18	0.8	14.8	68	10.1	32	4.7
AI	LT1500	8-16	3	320	320	467	455	11.45	0.8	14.5	68	9.9	32	4.6
AI	LT1500	8-16	7	320	320	445	433	11.45	0.8	14.4	67	9.6	33	4.8

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
Al	LT1500	8-16	8	320	320	429	418	11.45	0.8	14.5	70	10.2	30	4.4
Al	LT1500	GT26	1	535	535	259	237	15.00	0.9	12.8	72	9.2	28	3.6
Al	LT1500	GT26	2	535	535	265	243	14.17	0.9	12.7	72	9.1	28	3.6
Al	LT1500	GT26	3	535	535	282	260	10.83	0.9	12.5	72	9	28	3.5
Al	LT1500	GT26	7	535	535	263	241	10.83	0.9	12.4	71	8.8	29	3.6
Al	GT2000	0-8	1	320	320	405	393	31.00	0.8	15	68	10.2	32	4.8
Al	GT2000	0-8	2	320	320	418	406	29.59	0.8	14.8	68	10.1	32	4.7
Al	GT2000	0-8	3	320	320	467	455	19.73	0.8	14.5	68	9.9	32	4.6
Al	GT2000	0-8	7	320	320	445	433	19.73	0.8	14.4	67	9.6	33	4.8
Al	GT2000	0-8	8	320	320	429	418	19.73	0.8	14.5	70	10.2	30	4.4
Al	GT2000	16-26	1	535	535	259	237	26.00	0.9	12.8	72	9.2	28	3.6
Al	GT2000	16-26	2	535	535	265	243	24.56	0.9	12.7	72	9.1	28	3.6
Al	GT2000	16-26	3	535	535	282	260	18.78	0.9	12.5	72	9	28	3.5
Al	GT2000	16-26	7	535	535	263	241	18.78	0.9	12.4	71	8.8	29	3.6
Al	GT2000	8-16	1	320	320	405	393	31.00	0.8	15	68	10.2	32	4.8
Al	GT2000	8-16	2	320	320	418	406	29.59	0.8	14.8	68	10.1	32	4.7
Al	GT2000	8-16	3	320	320	467	455	19.73	0.8	14.5	68	9.9	32	4.6
Al	GT2000	8-16	7	320	320	445	433	19.73	0.8	14.4	67	9.6	33	4.8
Al	GT2000	8-16	8	320	320	429	418	19.73	0.8	14.5	70	10.2	30	4.4
Al	GT2000	GT26	1	535	535	259	237	26.00	0.9	12.8	72	9.2	28	3.6
Al	GT2000	GT26	2	535	535	265	243	24.56	0.9	12.7	72	9.1	28	3.6
Al	GT2000	GT26	3	535	535	282	260	18.78	0.9	12.5	72	9	28	3.5
Al	GT2000	GT26	7	535	535	263	241	18.78	0.9	12.4	71	8.8	29	3.6
Po	1500-1700	0-8	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
Po	1500-1700	0-8	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
Po	1500-1700	0-8	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
Po	1500-1700	0-8	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
Po	1500-1700	0-8	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
Po	1500-1700	16-26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4
Po	1500-1700	16-26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
Po	1500-1700	16-26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
Po	1500-1700	16-26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
Po	1500-1700	16-26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
Po	1500-1700	8-16	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
Po	1500-1700	8-16	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
Po	1500-1700	8-16	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
Po	1500-1700	8-16	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
Po	1500-1700	8-16	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
Po	1500-1700	GT26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4
Po	1500-1700	GT26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
Po	1500-1700	GT26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
Po	1500-1700	GT26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
Po	1500-1700	GT26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
Po	1700-2000	0-8	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
Po	1700-2000	0-8	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
Po	1700-2000	0-8	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
Po	1700-2000	0-8	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
Po	1700-2000	0-8	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
Po	1700-2000	16-26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
Po	1700-2000	16-26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
Po	1700-2000	16-26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
Po	1700-2000	16-26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
Po	1700-2000	16-26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
Po	1700-2000	8-16	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
Po	1700-2000	8-16	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
Po	1700-2000	8-16	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
Po	1700-2000	8-16	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
Po	1700-2000	8-16	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
Po	1700-2000	GT26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4
Po	1700-2000	GT26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
Po	1700-2000	GT26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
Po	1700-2000	GT26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
Po	1700-2000	GT26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
Po	GT2000	0-8	1	320	320	487	462	34.00	3.4	21.4	60	12.8	40	8.6
Po	GT2000	0-8	2	320	320	503	462	31.00	3.4	21.3	60	12.8	40	8.5
Po	GT2000	0-8	3	320	320	531	490	25.00	3.4	21.1	59	12.4	41	8.7
Po	GT2000	0-8	7	320	320	515	474	24.00	3.4	21	59	12.4	41	8.6
Po	GT2000	0-8	8	320	320	420	385	25.00	3.4	21	70	14.7	30	6.3
Po	GT2000	16-26	1	535	535	276	243	26.00	4.2	15	65	9.8	35	5.3
Po	GT2000	16-26	2	535	535	280	249	25.00	4.2	14.8	65	9.6	35	5.2
Po	GT2000	16-26	3	535	535	302	271	19.00	4.2	14.7	65	9.6	35	5.1
Po	GT2000	16-26	7	535	535	283	252	18.00	4.2	14.6	65	9.5	35	5.1
Po	GT2000	16-26	8	535	535	302	276	18.00	4.2	14.7	70	10.3	30	4.4
Po	GT2000	8-16	1	320	320	487	462	34.00	3.4	21.4	60	12.8	40	8.6
Po	GT2000	8-16	2	320	320	503	462	31.00	3.4	21.3	60	12.8	40	8.5
Po	GT2000	8-16	3	320	320	531	490	25.00	3.4	21.1	59	12.4	41	8.7
Po	GT2000	8-16	7	320	320	515	474	24.00	3.4	21	59	12.4	41	8.6
Po	GT2000	8-16	8	320	320	420	385	25.00	3.4	21	70	14.7	30	6.3
Po	GT2000	GT26	1	535	535	276	243	26.00	4.2	15	65	9.8	35	5.3
Po	GT2000	GT26	2	535	535	280	249	25.00	4.2	14.8	65	9.6	35	5.2
Po	GT2000	GT26	3	535	535	302	271	19.00	4.2	14.7	65	9.6	35	5.1
Po	GT2000	GT26	7	535	535	283	252	18.00	4.2	14.6	65	9.5	35	5.1
Po	GT2000	GT26	8	535	535	302	276	18.00	4.2	14.7	70	10.3	30	4.4
Po	GT2000	other	1	535	535	276	243	30.00	4.2	15	65	9.8	35	5.3
Po	GT2000	other	2	535	535	280	249	28.85	4.2	14.8	65	9.6	35	5.2
Po	GT2000	other	3	535	535	302	271	21.92	4.2	14.7	65	9.6	35	5.1
Po	GT2000	other	7	535	535	283	252	20.77	4.2	14.6	65	9.5	35	5.1
Po	GT2000	other	8	535	535	302	276	20.77	4.2	14.7	70	10.3	30	4.4
Pu	1500-1700	0-8	1	320	320	486	471	26.00	1.9	18.5	70	13	30	5.6
Pu	1500-1700	0-8	2	320	320	496	481	24.21	1.9	18.2	70	12.7	30	5.5
Pu	1500-1700	0-8	3	320	320	532	517	17.03	1.9	17.6	69	12.1	31	5.5
Pu	1500-1700	0-8	7	320	320	502	487	16.14	1.9	17.3	68	11.8	32	5.5
Pu	1500-1700	0-8	8	320	320	499	485	16.14	1.9	17.5	70	12.3	30	5.3
Pu	1500-1700	16-26	1	535	535	274	250	19.00	2.1	13.3	71	9.4	29	3.9
Pu	1500-1700	16-26	2	535	535	279	255	18.14	2.1	13.2	70	9.2	30	4
Pu	1500-1700	16-26	3	535	535	300	276	13.82	2.1	13.2	70	9.2	30	4
Pu	1500-1700	16-26	7	535	535	280	255	13.82	2.1	13	70	9.1	30	3.9
Pu	1500-1700	8-16	1	320	320	486	471	26.00	1.9	18.5	70	13	30	5.6

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
Pu	1500-1700	8-16	2	320	320	496	481	24.21	1.9	18.2	70	12.7	30	5.5
Pu	1500-1700	8-16	3	320	320	532	517	17.03	1.9	17.6	69	12.1	31	5.5
Pu	1500-1700	8-16	7	320	320	502	487	16.14	1.9	17.3	68	11.8	32	5.5
Pu	1500-1700	8-16	8	320	320	499	485	16.14	1.9	17.5	70	12.3	30	5.3
Pu	1500-1700	GT26	1	535	535	274	250	19.00	2.1	13.3	71	9.4	29	3.9
Pu	1500-1700	GT26	2	535	535	279	255	18.14	2.1	13.2	70	9.2	30	4
Pu	1500-1700	GT26	3	535	535	300	276	13.82	2.1	13.2	70	9.2	30	4
Pu	1500-1700	GT26	7	535	535	280	255	13.82	2.1	13	70	9.1	30	3.9
Pu	1700-2000	0-8	1	320	320	486	471	29.00	1.9	18.5	70	13	30	5.6
Pu	1700-2000	0-8	2	320	320	496	481	27.00	1.9	18.2	70	12.7	30	5.5
Pu	1700-2000	0-8	3	320	320	532	517	19.00	1.9	17.6	69	12.1	31	5.5
Pu	1700-2000	0-8	7	320	320	502	487	18.00	1.9	17.3	68	11.8	32	5.5
Pu	1700-2000	0-8	8	320	320	499	485	18.00	1.9	17.5	70	12.3	30	5.3
Pu	1700-2000	16-26	1	535	535	274	250	22.00	2.1	13.3	71	9.4	29	3.9
Pu	1700-2000	16-26	2	535	535	279	255	21.00	2.1	13.2	70	9.2	30	4
Pu	1700-2000	16-26	3	535	535	300	276	16.00	2.1	13.2	70	9.2	30	4
Pu	1700-2000	16-26	7	535	535	280	255	16.00	2.1	13	70	9.1	30	3.9
Pu	1700-2000	8-16	1	320	320	486	471	29.00	1.9	18.5	70	13	30	5.6
Pu	1700-2000	8-16	2	320	320	496	481	27.00	1.9	18.2	70	12.7	30	5.5
Pu	1700-2000	8-16	3	320	320	532	517	19.00	1.9	17.6	69	12.1	31	5.5
Pu	1700-2000	8-16	7	320	320	502	487	18.00	1.9	17.3	68	11.8	32	5.5
Pu	1700-2000	8-16	8	320	320	499	485	18.00	1.9	17.5	70	12.3	30	5.3
Pu	1700-2000	GT26	1	535	535	274	250	22.00	2.1	13.3	71	9.4	29	3.9
Pu	1700-2000	GT26	2	535	535	279	255	21.00	2.1	13.2	70	9.2	30	4
Pu	1700-2000	GT26	3	535	535	300	276	16.00	2.1	13.2	70	9.2	30	4
Pu	1700-2000	GT26	7	535	535	280	255	16.00	2.1	13	70	9.1	30	3.9
Pu	LT1500	0-8	1	320	320	486	471	22.00	1.9	18.5	70	13	30	5.6
Pu	LT1500	0-8	2	320	320	496	481	20.48	1.9	18.2	70	12.7	30	5.5
Pu	LT1500	0-8	3	320	320	532	517	14.41	1.9	17.6	69	12.1	31	5.5
Pu	LT1500	0-8	7	320	320	502	487	13.66	1.9	17.3	68	11.8	32	5.5
Pu	LT1500	0-8	8	320	320	499	485	13.66	1.9	17.5	70	12.3	30	5.3
Pu	LT1500	16-26	1	535	535	274	250	17.00	2.1	13.3	71	9.4	29	3.9
Pu	LT1500	16-26	2	535	535	279	255	16.23	2.1	13.2	70	9.2	30	4
Pu	LT1500	16-26	3	535	535	300	276	12.36	2.1	13.2	70	9.2	30	4
Pu	LT1500	16-26	7	535	535	280	255	12.36	2.1	13	70	9.1	30	3.9
Pu	LT1500	8-16	1	320	320	486	471	22.00	1.9	18.5	70	13	30	5.6
Pu	LT1500	8-16	2	320	320	496	481	20.48	1.9	18.2	70	12.7	30	5.5
Pu	LT1500	8-16	3	320	320	532	517	14.41	1.9	17.6	69	12.1	31	5.5
Pu	LT1500	8-16	7	320	320	502	487	13.66	1.9	17.3	68	11.8	32	5.5
Pu	LT1500	8-16	8	320	320	499	485	13.66	1.9	17.5	70	12.3	30	5.3
Pu	LT1500	GT26	1	535	535	274	250	17.00	2.1	13.3	71	9.4	29	3.9
Pu	LT1500	GT26	2	535	535	279	255	16.23	2.1	13.2	70	9.2	30	4
Pu	LT1500	GT26	3	535	535	300	276	12.36	2.1	13.2	70	9.2	30	4
Pu	LT1500	GT26	7	535	535	280	255	12.36	2.1	13	70	9.1	30	3.9
Pu	GT2000	0-8	1	320	320	486	471	29.00	1.9	18.5	70	13	30	5.6
Pu	GT2000	0-8	2	320	320	496	481	27.00	1.9	18.2	70	12.7	30	5.5
Pu	GT2000	0-8	3	320	320	532	517	19.00	1.9	17.6	69	12.1	31	5.5
Pu	GT2000	0-8	7	320	320	502	487	18.00	1.9	17.3	68	11.8	32	5.5
Pu	GT2000	0-8	8	320	320	499	485	18.00	1.9	17.5	70	12.3	30	5.3

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
Pu	GT2000	16-26	1	535	535	274	250	22.00	2.1	13.3	71	9.4	29	3.9
Pu	GT2000	16-26	2	535	535	279	255	21.00	2.1	13.2	70	9.2	30	4
Pu	GT2000	16-26	3	535	535	300	276	16.00	2.1	13.2	70	9.2	30	4
Pu	GT2000	16-26	7	535	535	280	255	16.00	2.1	13	70	9.1	30	3.9
Pu	GT2000	8-16	1	320	320	486	471	29.00	1.9	18.5	70	13	30	5.6
Pu	GT2000	8-16	2	320	320	496	481	27.00	1.9	18.2	70	12.7	30	5.5
Pu	GT2000	8-16	3	320	320	532	517	19.00	1.9	17.6	69	12.1	31	5.5
Pu	GT2000	8-16	7	320	320	502	487	18.00	1.9	17.3	68	11.8	32	5.5
Pu	GT2000	8-16	8	320	320	499	485	18.00	1.9	17.5	70	12.3	30	5.3
Pu	GT2000	GT26	1	535	535	274	250	22.00	2.1	13.3	71	9.4	29	3.9
Pu	GT2000	GT26	2	535	535	279	255	21.00	2.1	13.2	70	9.2	30	4
Pu	GT2000	GT26	3	535	535	300	276	16.00	2.1	13.2	70	9.2	30	4
Pu	GT2000	GT26	7	535	535	280	255	16.00	2.1	13	70	9.1	30	3.9
Re	1500-1700	0-8	1	320	320	265	256	19.00	2.7	11.5	68	7.8	32	3.7
Re	1500-1700	0-8	2	320	320	281	271	17.00	2.7	11.4	68	7.8	32	3.6
Re	1500-1700	0-8	3	320	320	305	295	10.00	2.7	11.1	68	7.5	32	3.6
Re	1500-1700	0-8	7	320	320	290	281	10.00	2.7	11.1	68	7.5	32	3.6
Re	1500-1700	0-8	8	320	320	294	286	10.00	2.7	10.9	70	7.6	30	3.3
Re	1500-1700	16-26	1	535	535	155	136	17.00	3.2	10	68	6.8	32	3.2
Re	1500-1700	16-26	2	535	535	161	141	15.87	3.2	9.9	68	6.7	32	3.2
Re	1500-1700	16-26	3	535	535	176	156	11.33	3.3	9.7	67	6.5	33	3.2
Re	1500-1700	16-26	7	535	535	159	140	11.33	3.3	9.5	67	6.4	33	3.1
Re	1500-1700	16-26	8	535	535	168	150	11.33	3.3	9.6	70	6.7	30	2.9
Re	1500-1700	8-16	1	320	320	265	256	19.00	2.7	11.5	68	7.8	32	3.7
Re	1500-1700	8-16	2	320	320	281	271	17.00	2.7	11.4	68	7.8	32	3.6
Re	1500-1700	8-16	3	320	320	305	295	10.00	2.7	11.1	68	7.5	32	3.6
Re	1500-1700	8-16	7	320	320	290	281	10.00	2.7	11.1	68	7.5	32	3.6
Re	1500-1700	8-16	8	320	320	294	286	10.00	2.7	10.9	70	7.6	30	3.3
Re	1500-1700	GT26	1	535	535	155	136	17.00	3.2	10	68	6.8	32	3.2
Re	1500-1700	GT26	2	535	535	161	141	15.87	3.2	9.9	68	6.7	32	3.2
Re	1500-1700	GT26	3	535	535	176	156	11.33	3.3	9.7	67	6.5	33	3.2
Re	1500-1700	GT26	7	535	535	159	140	11.33	3.3	9.5	67	6.4	33	3.1
Re	1500-1700	GT26	8	535	535	168	150	11.33	3.3	9.6	70	6.7	30	2.9
Re	1700-2000	0-8	1	320	320	265	256	21.00	2.7	11.5	68	7.8	32	3.7
Re	1700-2000	0-8	2	320	320	281	271	18.79	2.7	11.4	68	7.8	32	3.6
Re	1700-2000	0-8	3	320	320	305	295	11.05	2.7	11.1	68	7.5	32	3.6
Re	1700-2000	0-8	7	320	320	290	281	11.05	2.7	11.1	68	7.5	32	3.6
Re	1700-2000	0-8	8	320	320	294	286	11.05	2.7	10.9	70	7.6	30	3.3
Re	1700-2000	16-26	1	535	535	155	136	20.00	3.2	10	68	6.8	32	3.2
Re	1700-2000	16-26	2	535	535	161	141	18.67	3.2	9.9	68	6.7	32	3.2
Re	1700-2000	16-26	3	535	535	176	156	13.33	3.3	9.7	67	6.5	33	3.2
Re	1700-2000	16-26	7	535	535	159	140	13.33	3.3	9.5	67	6.4	33	3.1
Re	1700-2000	16-26	8	535	535	168	150	13.33	3.3	9.6	70	6.7	30	2.9
Re	1700-2000	8-16	1	320	320	265	256	21.00	2.7	11.5	68	7.8	32	3.7
Re	1700-2000	8-16	2	320	320	281	271	18.79	2.7	11.4	68	7.8	32	3.6
Re	1700-2000	8-16	3	320	320	305	295	11.05	2.7	11.1	68	7.5	32	3.6
Re	1700-2000	8-16	7	320	320	290	281	11.05	2.7	11.1	68	7.5	32	3.6
Re	1700-2000	8-16	8	320	320	294	286	11.05	2.7	10.9	70	7.6	30	3.3
Re	1700-2000	GT26	1	535	535	155	136	20.00	3.2	10	68	6.8	32	3.2

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
Re	1700-2000	GT26	2	535	535	161	141	18.67	3.2	9.9	68	6.7	32	3.2
Re	1700-2000	GT26	3	535	535	176	156	13.33	3.3	9.7	67	6.5	33	3.2
Re	1700-2000	GT26	7	535	535	159	140	13.33	3.3	9.5	67	6.4	33	3.1
Re	1700-2000	GT26	8	535	535	168	150	13.33	3.3	9.6	70	6.7	30	2.9
Re	LT1500	0-8	1	320	320	265	256	19.00	2.7	11.5	68	7.8	32	3.7
Re	LT1500	0-8	2	320	320	281	271	17.00	2.7	11.4	68	7.8	32	3.6
Re	LT1500	0-8	3	320	320	305	295	10.00	2.7	11.1	68	7.5	32	3.6
Re	LT1500	0-8	7	320	320	290	281	10.00	2.7	11.1	68	7.5	32	3.6
Re	LT1500	0-8	8	320	320	294	286	10.00	2.7	10.9	70	7.6	30	3.3
Re	LT1500	16-26	1	535	535	155	136	15.00	3.2	10	68	6.8	32	3.2
Re	LT1500	16-26	2	535	535	161	141	14.00	3.2	9.9	68	6.7	32	3.2
Re	LT1500	16-26	3	535	535	176	156	10.00	3.3	9.7	67	6.5	33	3.2
Re	LT1500	16-26	7	535	535	159	140	10.00	3.3	9.5	67	6.4	33	3.1
Re	LT1500	16-26	8	535	535	168	150	10.00	3.3	9.6	70	6.7	30	2.9
Re	LT1500	8-16	1	320	320	265	256	19.00	2.7	11.5	68	7.8	32	3.7
Re	LT1500	8-16	2	320	320	281	271	17.00	2.7	11.4	68	7.8	32	3.6
Re	LT1500	8-16	3	320	320	305	295	10.00	2.7	11.1	68	7.5	32	3.6
Re	LT1500	8-16	7	320	320	290	281	10.00	2.7	11.1	68	7.5	32	3.6
Re	LT1500	8-16	8	320	320	294	286	10.00	2.7	10.9	70	7.6	30	3.3
Re	LT1500	GT26	1	535	535	155	136	15.00	3.2	10	68	6.8	32	3.2
Re	LT1500	GT26	2	535	535	161	141	14.00	3.2	9.9	68	6.7	32	3.2
Re	LT1500	GT26	3	535	535	176	156	10.00	3.3	9.7	67	6.5	33	3.2
Re	LT1500	GT26	7	535	535	159	140	10.00	3.3	9.5	67	6.4	33	3.1
Re	LT1500	GT26	8	535	535	168	150	10.00	3.3	9.6	70	6.7	30	2.9
Re	GT2000	0-8	1	320	320	265	256	25.00	2.7	11.5	68	7.8	32	3.7
Re	GT2000	0-8	2	320	320	281	271	22.37	2.7	11.4	68	7.8	32	3.6
Re	GT2000	0-8	3	320	320	305	295	13.16	2.7	11.1	68	7.5	32	3.6
Re	GT2000	0-8	7	320	320	290	281	13.16	2.7	11.1	68	7.5	32	3.6
Re	GT2000	0-8	8	320	320	294	286	13.16	2.7	10.9	70	7.6	30	3.3
Re	GT2000	16-26	1	535	535	155	136	23.00	3.2	10	68	6.8	32	3.2
Re	GT2000	16-26	2	535	535	161	141	21.47	3.2	9.9	68	6.7	32	3.2
Re	GT2000	16-26	3	535	535	176	156	15.33	3.3	9.7	67	6.5	33	3.2
Re	GT2000	16-26	7	535	535	159	140	15.33	3.3	9.5	67	6.4	33	3.1
Re	GT2000	16-26	8	535	535	168	150	15.33	3.3	9.6	70	6.7	30	2.9
Re	GT2000	8-16	1	320	320	265	256	25.00	2.7	11.5	68	7.8	32	3.7
Re	GT2000	8-16	2	320	320	281	271	22.37	2.7	11.4	68	7.8	32	3.6
Re	GT2000	8-16	3	320	320	305	295	13.16	2.7	11.1	68	7.5	32	3.6
Re	GT2000	8-16	7	320	320	290	281	13.16	2.7	11.1	68	7.5	32	3.6
Re	GT2000	8-16	8	320	320	294	286	13.16	2.7	10.9	70	7.6	30	3.3
Re	GT2000	GT26	1	535	535	155	136	23.00	3.2	10	68	6.8	32	3.2
Re	GT2000	GT26	2	535	535	161	141	21.47	3.2	9.9	68	6.7	32	3.2
Re	GT2000	GT26	3	535	535	176	156	15.33	3.3	9.7	67	6.5	33	3.2
Re	GT2000	GT26	7	535	535	159	140	15.33	3.3	9.5	67	6.4	33	3.1
Re	GT2000	GT26	8	535	535	168	150	15.33	3.3	9.6	70	6.7	30	2.9
Or	1500-1700	0-8	1	320	320	265	256	19.00	2.7	11.5	68	7.8	32	3.7
Or	1500-1700	0-8	2	320	320	281	271	17.00	2.7	11.4	68	7.8	32	3.6
Or	1500-1700	0-8	3	320	320	305	295	10.00	2.7	11.1	68	7.5	32	3.6
Or	1500-1700	0-8	7	320	320	290	281	10.00	2.7	11.1	68	7.5	32	3.6
Or	1500-1700	0-8	8	320	320	294	286	10.00	2.7	10.9	70	7.6	30	3.3

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
Or	1500-1700	16-26	1	535	535	155	136	17.00	3.2	10	68	6.8	32	3.2
Or	1500-1700	16-26	2	535	535	161	141	15.87	3.2	9.9	68	6.7	32	3.2
Or	1500-1700	16-26	3	535	535	176	156	11.33	3.3	9.7	67	6.5	33	3.2
Or	1500-1700	16-26	7	535	535	159	140	11.33	3.3	9.5	67	6.4	33	3.1
Or	1500-1700	16-26	8	535	535	168	150	11.33	3.3	9.6	70	6.7	30	2.9
Or	1500-1700	8-16	1	320	320	265	256	19.00	2.7	11.5	68	7.8	32	3.7
Or	1500-1700	8-16	2	320	320	281	271	17.00	2.7	11.4	68	7.8	32	3.6
Or	1500-1700	8-16	3	320	320	305	295	10.00	2.7	11.1	68	7.5	32	3.6
Or	1500-1700	8-16	7	320	320	290	281	10.00	2.7	11.1	68	7.5	32	3.6
Or	1500-1700	8-16	8	320	320	294	286	10.00	2.7	10.9	70	7.6	30	3.3
Or	LT1500	0-8	1	320	320	265	256	19.00	2.7	11.5	68	7.8	32	3.7
Or	LT1500	0-8	2	320	320	281	271	17.00	2.7	11.4	68	7.8	32	3.6
Or	LT1500	0-8	3	320	320	305	295	10.00	2.7	11.1	68	7.5	32	3.6
Or	LT1500	0-8	7	320	320	290	281	10.00	2.7	11.1	68	7.5	32	3.6
Or	LT1500	0-8	8	320	320	294	286	10.00	2.7	10.9	70	7.6	30	3.3
Or	LT1500	16-26	1	535	535	155	136	15.00	3.2	10	68	6.8	32	3.2
Or	LT1500	16-26	2	535	535	161	141	14.00	3.2	9.9	68	6.7	32	3.2
Or	LT1500	16-26	3	535	535	176	156	10.00	3.3	9.7	67	6.5	33	3.2
Or	LT1500	16-26	7	535	535	159	140	10.00	3.3	9.5	67	6.4	33	3.1
Or	LT1500	16-26	8	535	535	168	150	10.00	3.3	9.6	70	6.7	30	2.9
Or	LT1500	8-16	1	320	320	265	256	15.00	2.7	11.5	68	7.8	32	3.7
Or	LT1500	8-16	2	320	320	281	271	13.42	2.7	11.4	68	7.8	32	3.6
Or	LT1500	8-16	3	320	320	305	295	7.89	2.7	11.1	68	7.5	32	3.6
Or	LT1500	8-16	7	320	320	290	281	7.89	2.7	11.1	68	7.5	32	3.6
Or	LT1500	8-16	8	320	320	294	286	7.89	2.7	10.9	70	7.6	30	3.3
other	1500-1700	0-8	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
other	1500-1700	0-8	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
other	1500-1700	0-8	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
other	1500-1700	0-8	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
other	1500-1700	0-8	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
other	1500-1700	16-26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4
other	1500-1700	16-26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
other	1500-1700	16-26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
other	1500-1700	16-26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
other	1500-1700	16-26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
other	1500-1700	8-16	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
other	1500-1700	8-16	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
other	1500-1700	8-16	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
other	1500-1700	8-16	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
other	1500-1700	8-16	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
other	1500-1700	GT26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4
other	1500-1700	GT26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
other	1500-1700	GT26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
other	1500-1700	GT26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
other	1500-1700	GT26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
other	1700-2000	0-8	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
other	1700-2000	0-8	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
other	1700-2000	0-8	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
other	1700-2000	0-8	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2

soil	rain	slope	mosb	fa	fe	op420	op375	nl	pl	sr	psh	srsh	pca	srca
other	1700-2000	0-8	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
other	1700-2000	16-26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4
other	1700-2000	16-26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
other	1700-2000	16-26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
other	1700-2000	16-26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
other	1700-2000	16-26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
other	1700-2000	8-16	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
other	1700-2000	8-16	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
other	1700-2000	8-16	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
other	1700-2000	8-16	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
other	1700-2000	8-16	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
other	1700-2000	GT26	1	535	535	224	196	19.00	3.7	13	66	8.6	34	4.4
other	1700-2000	GT26	2	535	535	227	199	18.00	3.7	12.7	66	8.4	34	4.3
other	1700-2000	GT26	3	535	535	236	208	13.00	3.7	12.3	65	8	35	4.3
other	1700-2000	GT26	7	535	535	222	193	13.00	3.7	12.3	65	8	35	4.3
other	1700-2000	GT26	8	535	535	230	207	12.00	3.7	12.3	70	8.6	30	3.7
other	LT1500	0-8	1	320	320	505	479	26.00	3.2	20.2	59	11.9	41	8.3
other	LT1500	0-8	2	320	320	514	488	24.00	3.2	19.9	59	11.7	41	8.2
other	LT1500	0-8	3	320	320	541	514	18.00	3.2	19.6	58	11.4	42	8.2
other	LT1500	0-8	7	320	320	525	499	17.00	3.2	19.5	58	11.3	42	8.2
other	LT1500	0-8	8	320	320	433	413	18.00	3.3	19.8	70	13.9	30	5.9
other	GT2000	0-8	1	320	320	487	462	34.00	3.4	21.4	60	12.8	40	8.6
other	GT2000	0-8	2	320	320	503	462	31.00	3.4	21.3	60	12.8	40	8.5
other	GT2000	0-8	3	320	320	531	490	25.00	3.4	21.1	59	12.4	41	8.7
other	GT2000	0-8	7	320	320	515	474	24.00	3.4	21	59	12.4	41	8.6
other	GT2000	0-8	8	320	320	420	385	25.00	3.4	21	70	14.7	30	6.3
other	GT2000	16-26	1	535	535	276	243	26.00	4.2	15	65	9.8	35	5.3
other	GT2000	16-26	2	535	535	280	249	25.00	4.2	14.8	65	9.6	35	5.2
other	GT2000	16-26	3	535	535	302	271	19.00	4.2	14.7	65	9.6	35	5.1
other	GT2000	16-26	7	535	535	283	252	18.00	4.2	14.6	65	9.5	35	5.1
other	GT2000	16-26	8	535	535	302	276	18.00	4.2	14.7	70	10.3	30	4.4
other	GT2000	8-16	1	320	320	487	462	34.00	3.4	21.4	60	12.8	40	8.6
other	GT2000	8-16	2	320	320	503	462	31.00	3.4	21.3	60	12.8	40	8.5
other	GT2000	8-16	3	320	320	531	490	25.00	3.4	21.1	59	12.4	41	8.7
other	GT2000	8-16	7	320	320	515	474	24.00	3.4	21	59	12.4	41	8.6
other	GT2000	8-16	8	320	320	420	385	25.00	3.4	21	70	14.7	30	6.3

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
AI	1500-1700	0-8	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
AI	1500-1700	0-8	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
AI	1500-1700	0-8	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
AI	1500-1700	0-8	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06
AI	1500-1700	0-8	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
AI	1500-1700	16-26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
AI	1500-1700	16-26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
AI	1500-1700	16-26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
AI	1500-1700	16-26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
AI	1500-1700	8-16	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
AI	1500-1700	8-16	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
AI	1500-1700	8-16	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
AI	1500-1700	8-16	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06
AI	1500-1700	8-16	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
AI	1500-1700	GT26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
AI	1500-1700	GT26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
AI	1500-1700	GT26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
AI	1500-1700	GT26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
AI	1700-2000	0-8	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
AI	1700-2000	0-8	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
AI	1700-2000	0-8	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
AI	1700-2000	0-8	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06
AI	1700-2000	0-8	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
AI	1700-2000	16-26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
AI	1700-2000	16-26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
AI	1700-2000	16-26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
AI	1700-2000	16-26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
AI	1700-2000	8-16	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
AI	1700-2000	8-16	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
AI	1700-2000	8-16	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
AI	1700-2000	8-16	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06
AI	1700-2000	8-16	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
AI	1700-2000	GT26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
AI	1700-2000	GT26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
AI	1700-2000	GT26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
AI	1700-2000	GT26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
AI	LT1500	0-8	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
AI	LT1500	0-8	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
AI	LT1500	0-8	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
AI	LT1500	0-8	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06
AI	LT1500	0-8	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
AI	LT1500	16-26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
AI	LT1500	16-26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
AI	LT1500	16-26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
AI	LT1500	16-26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
AI	LT1500	8-16	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
AI	LT1500	8-16	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
AI	LT1500	8-16	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
AI	LT1500	8-16	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
Al	LT1500	8-16	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
Al	LT1500	GT26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
Al	LT1500	GT26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
Al	LT1500	GT26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
Al	LT1500	GT26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
Al	GT2000	0-8	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
Al	GT2000	0-8	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
Al	GT2000	0-8	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
Al	GT2000	0-8	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06
Al	GT2000	0-8	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
Al	GT2000	16-26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
Al	GT2000	16-26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
Al	GT2000	16-26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
Al	GT2000	16-26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
Al	GT2000	8-16	1	0	0	0	0	18	4	1.1	57	173.5	165.1	1.4	742.24
Al	GT2000	8-16	2	0	0	0	0	14	0	1.1	55.8	170.1	165.1	1.4	728.19
Al	GT2000	8-16	3	0	0	0	0	10	0	0.8	54.8	167	162.2	1.4	713.91
Al	GT2000	8-16	7	0	0	0	0	10	0	0.8	52.9	169.6	162.2	1.3	725.06
Al	GT2000	8-16	8	0	0	0	0	10	0	0.8	54.9	177.8	149.7	1.4	755.72
Al	GT2000	GT26	1	0	0	0	0	10	5	0.5	51.7	152.3	50	2	656.33
Al	GT2000	GT26	2	0	0	0	0	5	0	0.5	51.1	150.4	50	2	648.25
Al	GT2000	GT26	3	0	0	0	0	2	0	0.4	50.5	148.5	50	2	640.50
Al	GT2000	GT26	7	0	0	0	0	2	0	0.4	48.8	151	50	1.9	651.12
Po	1500-1700	0-8	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
Po	1500-1700	0-8	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
Po	1500-1700	0-8	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
Po	1500-1700	0-8	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
Po	1500-1700	0-8	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
Po	1500-1700	16-26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07
Po	1500-1700	16-26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
Po	1500-1700	16-26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
Po	1500-1700	16-26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
Po	1500-1700	16-26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
Po	1500-1700	8-16	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
Po	1500-1700	8-16	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
Po	1500-1700	8-16	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
Po	1500-1700	8-16	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
Po	1500-1700	8-16	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
Po	1500-1700	GT26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07
Po	1500-1700	GT26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
Po	1500-1700	GT26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
Po	1500-1700	GT26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
Po	1500-1700	GT26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
Po	1700-2000	0-8	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
Po	1700-2000	0-8	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
Po	1700-2000	0-8	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
Po	1700-2000	0-8	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
Po	1700-2000	0-8	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
Po	1700-2000	16-26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
Po	1700-2000	16-26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
Po	1700-2000	16-26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
Po	1700-2000	16-26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
Po	1700-2000	16-26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
Po	1700-2000	8-16	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
Po	1700-2000	8-16	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
Po	1700-2000	8-16	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
Po	1700-2000	8-16	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
Po	1700-2000	8-16	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
Po	1700-2000	GT26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07
Po	1700-2000	GT26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
Po	1700-2000	GT26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
Po	1700-2000	GT26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
Po	1700-2000	GT26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
Po	GT2000	0-8	1	0	0	0	0	34	10	2.4	71	217.8	298.4	2	930.68
Po	GT2000	0-8	2	0	0	0	0	24	0	2.5	70.5	215.5	298.4	2	921.90
Po	GT2000	0-8	3	0	0	0	0	20	0	2.1	68.7	215.2	298.1	2	909.34
Po	GT2000	0-8	7	0	0	0	0	20	0	2.1	66.3	221.6	298.1	2	940.06
Po	GT2000	0-8	8	0	0	0	0	20	0	2.1	78.3	258.9	222.8	2	1100.79
Po	GT2000	16-26	1	0	0	0	0	14	5	0.7	51.4	177.4	92.1	2.3	731.99
Po	GT2000	16-26	2	0	0	0	0	9	0	0.7	51.4	177.3	89.6	2.3	731.99
Po	GT2000	16-26	3	0	0	0	0	5	0	0.5	50.9	174.4	89.6	2.3	719.02
Po	GT2000	16-26	7	0	0	0	0	5	0	0.5	49.3	176.6	89.6	2.3	728.74
Po	GT2000	16-26	8	0	0	0	0	5	0	0.5	54.1	191.8	80.2	2.3	793.55
Po	GT2000	8-16	1	0	0	0	0	34	10	2.4	71	217.8	298.4	2	930.68
Po	GT2000	8-16	2	0	0	0	0	24	0	2.5	70.5	215.5	298.4	2	921.90
Po	GT2000	8-16	3	0	0	0	0	20	0	2.1	68.7	215.2	298.1	2	909.34
Po	GT2000	8-16	7	0	0	0	0	20	0	2.1	66.3	221.6	298.1	2	940.06
Po	GT2000	8-16	8	0	0	0	0	20	0	2.1	78.3	258.9	222.8	2	1100.79
Po	GT2000	GT26	1	0	0	0	0	14	5	0.7	51.4	177.4	92.1	2.3	731.99
Po	GT2000	GT26	2	0	0	0	0	9	0	0.7	51.4	177.3	89.6	2.3	731.99
Po	GT2000	GT26	3	0	0	0	0	5	0	0.5	50.9	174.4	89.6	2.3	719.02
Po	GT2000	GT26	7	0	0	0	0	5	0	0.5	49.3	176.6	89.6	2.3	728.74
Po	GT2000	GT26	8	0	0	0	0	5	0	0.5	54.1	191.8	80.2	2.3	793.55
Po	GT2000	other	1	0	0	0	0	14	5	0.7	51.4	177.4	92.1	2.3	731.99
Po	GT2000	other	2	0	0	0	0	9	0	0.7	51.4	177.3	89.6	2.3	731.99
Po	GT2000	other	3	0	0	0	0	5	0	0.5	50.9	174.4	89.6	2.3	719.02
Po	GT2000	other	7	0	0	0	0	5	0	0.5	49.3	176.6	89.6	2.3	728.74
Po	GT2000	other	8	0	0	0	0	5	0	0.5	54.1	191.8	80.2	2.3	793.55
Pu	1500-1700	0-8	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46
Pu	1500-1700	0-8	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	1500-1700	0-8	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	1500-1700	0-8	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	1500-1700	0-8	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82
Pu	1500-1700	16-26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	1500-1700	16-26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	1500-1700	16-26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	1500-1700	16-26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Pu	1500-1700	8-16	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
Pu	1500-1700	8-16	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	1500-1700	8-16	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	1500-1700	8-16	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	1500-1700	8-16	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82
Pu	1500-1700	GT26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	1500-1700	GT26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	1500-1700	GT26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	1500-1700	GT26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Pu	1700-2000	0-8	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46
Pu	1700-2000	0-8	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	1700-2000	0-8	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	1700-2000	0-8	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	1700-2000	0-8	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82
Pu	1700-2000	16-26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	1700-2000	16-26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	1700-2000	16-26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	1700-2000	16-26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Pu	1700-2000	8-16	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46
Pu	1700-2000	8-16	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	1700-2000	8-16	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	1700-2000	8-16	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	1700-2000	8-16	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82
Pu	1700-2000	GT26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	1700-2000	GT26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	1700-2000	GT26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	1700-2000	GT26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Pu	LT1500	0-8	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46
Pu	LT1500	0-8	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	LT1500	0-8	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	LT1500	0-8	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	LT1500	0-8	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82
Pu	LT1500	16-26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	LT1500	16-26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	LT1500	16-26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	LT1500	16-26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Pu	LT1500	8-16	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46
Pu	LT1500	8-16	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	LT1500	8-16	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	LT1500	8-16	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	LT1500	8-16	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82
Pu	LT1500	GT26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	LT1500	GT26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	LT1500	GT26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	LT1500	GT26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Pu	GT2000	0-8	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46
Pu	GT2000	0-8	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	GT2000	0-8	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	GT2000	0-8	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	GT2000	0-8	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
Pu	GT2000	16-26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	GT2000	16-26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	GT2000	16-26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	GT2000	16-26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Pu	GT2000	8-16	1	0	0	0	0	18	11	1.1	70.9	223.8	188.6	1.7	922.46
Pu	GT2000	8-16	2	0	0	0	0	7	0	1.1	69.4	211.2	188.6	1.7	904.58
Pu	GT2000	8-16	3	0	0	0	0	2	0	0.8	65.6	207.6	188.6	1.6	878.94
Pu	GT2000	8-16	7	0	0	0	0	2	0	0.8	63.9	209.1	188.6	1.6	885.73
Pu	GT2000	8-16	8	0	0	0	0	2	0	0.8	65.9	215.6	180.7	1.6	912.82
Pu	GT2000	GT26	1	0	0	0	0	10	5	0.5	52.8	155.6	55	2.1	670.34
Pu	GT2000	GT26	2	0	0	0	0	5	0	0.5	52.2	153.6	55	2.1	662.06
Pu	GT2000	GT26	3	0	0	0	0	2	0	0.4	52	152.9	55	2.1	659.26
Pu	GT2000	GT26	7	0	0	0	0	2	0	0.4	50.2	155.5	55	2	670.20
Re	1500-1700	0-8	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	1500-1700	0-8	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	1500-1700	0-8	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	1500-1700	0-8	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	1500-1700	0-8	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	1500-1700	16-26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Re	1500-1700	16-26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	1500-1700	16-26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	1500-1700	16-26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	1500-1700	16-26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Re	1500-1700	8-16	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	1500-1700	8-16	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	1500-1700	8-16	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	1500-1700	8-16	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	1500-1700	8-16	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	1500-1700	GT26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Re	1500-1700	GT26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	1500-1700	GT26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	1500-1700	GT26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	1500-1700	GT26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Re	1700-2000	0-8	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	1700-2000	0-8	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	1700-2000	0-8	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	1700-2000	0-8	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	1700-2000	0-8	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	1700-2000	16-26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Re	1700-2000	16-26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	1700-2000	16-26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	1700-2000	16-26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	1700-2000	16-26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Re	1700-2000	8-16	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	1700-2000	8-16	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	1700-2000	8-16	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	1700-2000	8-16	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	1700-2000	8-16	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	1700-2000	GT26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
Re	1700-2000	GT26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	1700-2000	GT26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	1700-2000	GT26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	1700-2000	GT26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Re	LT1500	0-8	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	LT1500	0-8	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	LT1500	0-8	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	LT1500	0-8	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	LT1500	0-8	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	LT1500	16-26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Re	LT1500	16-26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	LT1500	16-26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	LT1500	16-26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	LT1500	16-26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Re	LT1500	8-16	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	LT1500	8-16	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	LT1500	8-16	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	LT1500	8-16	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	LT1500	8-16	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	LT1500	GT26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Re	LT1500	GT26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	LT1500	GT26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	LT1500	GT26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	LT1500	GT26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Re	GT2000	0-8	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	GT2000	0-8	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	GT2000	0-8	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	GT2000	0-8	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	GT2000	0-8	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	GT2000	16-26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Re	GT2000	16-26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	GT2000	16-26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	GT2000	16-26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	GT2000	16-26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Re	GT2000	8-16	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Re	GT2000	8-16	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Re	GT2000	8-16	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Re	GT2000	8-16	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Re	GT2000	8-16	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Re	GT2000	GT26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Re	GT2000	GT26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Re	GT2000	GT26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Re	GT2000	GT26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Re	GT2000	GT26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Or	1500-1700	0-8	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Or	1500-1700	0-8	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Or	1500-1700	0-8	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Or	1500-1700	0-8	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Or	1500-1700	0-8	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
Or	1500-1700	16-26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Or	1500-1700	16-26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Or	1500-1700	16-26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Or	1500-1700	16-26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Or	1500-1700	16-26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Or	1500-1700	8-16	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Or	1500-1700	8-16	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Or	1500-1700	8-16	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Or	1500-1700	8-16	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Or	1500-1700	8-16	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Or	LT1500	0-8	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Or	LT1500	0-8	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Or	LT1500	0-8	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Or	LT1500	0-8	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Or	LT1500	0-8	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
Or	LT1500	16-26	1	0	0	0	0	10	5	0.5	38.1	111.6	44.9	1.6	481.51
Or	LT1500	16-26	2	0	0	0	0	5	0	0.5	37.5	109.8	44.9	1.5	473.84
Or	LT1500	16-26	3	0	0	0	0	2	0	0.4	36.6	107	44.9	1.5	462.32
Or	LT1500	16-26	7	0	0	0	0	2	0	0.4	34.8	106.9	44.9	1.5	466.87
Or	LT1500	16-26	8	0	0	0	0	2	0	0.4	37.1	114.3	40.2	1.5	493.09
Or	LT1500	8-16	1	0	0	0	0	18	11	1.1	43.7	132.7	126.4	1.1	567.67
Or	LT1500	8-16	2	0	0	0	0	7	0	1.1	42.8	130.2	126.4	1.1	557.04
Or	LT1500	8-16	3	0	0	0	0	2	0	0.8	41.8	127.1	123.3	1	544.42
Or	LT1500	8-16	7	0	0	0	0	2	0	0.8	40.3	132.8	123.3	1	559.88
Or	LT1500	8-16	8	0	0	0	0	2	0	0.8	41.3	137.6	112.9	1	583.66
other	1500-1700	0-8	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
other	1500-1700	0-8	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
other	1500-1700	0-8	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
other	1500-1700	0-8	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
other	1500-1700	0-8	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
other	1500-1700	16-26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07
other	1500-1700	16-26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
other	1500-1700	16-26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
other	1500-1700	16-26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
other	1500-1700	16-26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
other	1500-1700	8-16	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
other	1500-1700	8-16	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
other	1500-1700	8-16	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
other	1500-1700	8-16	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
other	1500-1700	8-16	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
other	1500-1700	GT26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07
other	1500-1700	GT26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
other	1500-1700	GT26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
other	1500-1700	GT26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
other	1500-1700	GT26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
other	1700-2000	0-8	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
other	1700-2000	0-8	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
other	1700-2000	0-8	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
other	1700-2000	0-8	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65

soil	rain	slope	mosb	go	srGo	r1	r2	nft	nfp	su	wp	sp	bp	la	rss-p
other	1700-2000	0-8	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
other	1700-2000	16-26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07
other	1700-2000	16-26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
other	1700-2000	16-26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
other	1700-2000	16-26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
other	1700-2000	16-26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
other	1700-2000	8-16	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
other	1700-2000	8-16	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
other	1700-2000	8-16	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
other	1700-2000	8-16	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
other	1700-2000	8-16	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
other	1700-2000	GT26	1	0	0	0	0	14	5	0.7	47.9	145.9	59.3	2	622.07
other	1700-2000	GT26	2	0	0	0	0	9	0	0.7	46.3	142	59.3	2	605.73
other	1700-2000	GT26	3	0	0	0	0	5	0	0.5	44.7	134.5	59.3	1.9	573.17
other	1700-2000	GT26	7	0	0	0	0	5	0	0.5	43.8	138.2	59.3	1.9	589.79
other	1700-2000	GT26	8	0	0	0	0	5	0	0.5	47.3	149.2	50.8	1.9	635.97
other	LT1500	0-8	1	0	0	0	0	31	10	2.2	66.9	204.7	285.9	1.9	875.14
other	LT1500	0-8	2	0	0	0	0	21	0	2.2	65.1	199.4	285.9	1.9	852.65
other	LT1500	0-8	3	0	0	0	0	17	0	1.9	63.1	192.7	285.9	1.8	826.43
other	LT1500	0-8	7	0	0	0	0	17	0	1.9	61	200.7	285.9	1.8	855.65
other	LT1500	0-8	8	0	0	0	0	17	0	1.9	75.2	245	207.1	1.9	1044.65
other	GT2000	0-8	1	0	0	0	0	34	10	2.4	71	217.8	298.4	2	930.68
other	GT2000	0-8	2	0	0	0	0	24	0	2.5	70.5	215.5	298.4	2	921.90
other	GT2000	0-8	3	0	0	0	0	20	0	2.1	68.7	215.2	298.1	2	909.34
other	GT2000	0-8	7	0	0	0	0	20	0	2.1	66.3	221.6	298.1	2	940.06
other	GT2000	0-8	8	0	0	0	0	20	0	2.1	78.3	258.9	222.8	2	1100.79
other	GT2000	16-26	1	0	0	0	0	14	5	0.7	51.4	177.4	92.1	2.3	731.99
other	GT2000	16-26	2	0	0	0	0	9	0	0.7	51.4	177.3	89.6	2.3	731.99
other	GT2000	16-26	3	0	0	0	0	5	0	0.5	50.9	174.4	89.6	2.3	719.02
other	GT2000	16-26	7	0	0	0	0	5	0	0.5	49.3	176.6	89.6	2.3	728.74
other	GT2000	16-26	8	0	0	0	0	5	0	0.5	54.1	191.8	80.2	2.3	793.55
other	GT2000	8-16	1	0	0	0	0	34	10	2.4	71	217.8	298.4	2	930.68
other	GT2000	8-16	2	0	0	0	0	24	0	2.5	70.5	215.5	298.4	2	921.90
other	GT2000	8-16	3	0	0	0	0	20	0	2.1	68.7	215.2	298.1	2	909.34
other	GT2000	8-16	7	0	0	0	0	20	0	2.1	66.3	221.6	298.1	2	940.06
other	GT2000	8-16	8	0	0	0	0	20	0	2.1	78.3	258.9	222.8	2	1100.79

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf	
AI	1500-1700	0-8	1	150.99		0	893.23	622.38	0	622.38	0
AI	1500-1700	0-8	2	147.97		-1.0375	875.12	622.38	0	622.38	0
AI	1500-1700	0-8	3	145.08		0	858.99	612.36	0	612.36	0
AI	1500-1700	0-8	7	147.46		1.0375	873.56	612.28	0	612.28	0
AI	1500-1700	0-8	8	152.12		1.0375	908.87	562.73	0	562.73	0
AI	1500-1700	16-26	1	140.23		0	796.56	207.05	0	207.05	0
AI	1500-1700	16-26	2	138.52		-0.310280374	786.46	207.05	0	207.05	0
AI	1500-1700	16-26	3	136.86		-0.620560748	776.73	207.05	0	207.05	0
AI	1500-1700	16-26	7	139.16		0.310280374	790.60	207.05	0	207.05	0
AI	1500-1700	8-16	1	150.99		0	893.23	622.38	0	622.38	0
AI	1500-1700	8-16	2	147.97		-1.0375	875.12	622.38	0	622.38	0
AI	1500-1700	8-16	3	145.08		0	858.99	612.36	0	612.36	0
AI	1500-1700	8-16	7	147.46		1.0375	873.56	612.28	0	612.28	0
AI	1500-1700	8-16	8	152.12		1.0375	908.87	562.73	0	562.73	0
AI	1500-1700	GT26	1	140.23		0	796.56	207.05	0	207.05	0
AI	1500-1700	GT26	2	138.52		-0.310280374	786.46	207.05	0	207.05	0
AI	1500-1700	GT26	3	136.86		-0.620560748	776.73	207.05	0	207.05	0
AI	1500-1700	GT26	7	139.16		0.310280374	790.60	207.05	0	207.05	0
AI	1700-2000	0-8	1	150.99		0	893.23	622.38	0	622.38	0
AI	1700-2000	0-8	2	147.97		-1.0375	875.12	622.38	0	622.38	0
AI	1700-2000	0-8	3	145.08		0	858.99	612.36	0	612.36	0
AI	1700-2000	0-8	7	147.46		1.0375	873.56	612.28	0	612.28	0
AI	1700-2000	0-8	8	152.12		1.0375	908.87	562.73	0	562.73	0
AI	1700-2000	16-26	1	140.23		0	796.56	207.05	0	207.05	0
AI	1700-2000	16-26	2	138.52		-0.310280374	786.46	207.05	0	207.05	0
AI	1700-2000	16-26	3	136.86		-0.620560748	776.73	207.05	0	207.05	0
AI	1700-2000	16-26	7	139.16		0.310280374	790.60	207.05	0	207.05	0
AI	1700-2000	8-16	1	150.99		0	893.23	622.38	0	622.38	0
AI	1700-2000	8-16	2	147.97		-1.0375	875.12	622.38	0	622.38	0
AI	1700-2000	8-16	3	145.08		0	858.99	612.36	0	612.36	0
AI	1700-2000	8-16	7	147.46		1.0375	873.56	612.28	0	612.28	0
AI	1700-2000	8-16	8	152.12		1.0375	908.87	562.73	0	562.73	0
AI	1700-2000	GT26	1	140.23		0	796.56	207.05	0	207.05	0
AI	1700-2000	GT26	2	138.52		-0.310280374	786.46	207.05	0	207.05	0
AI	1700-2000	GT26	3	136.86		-0.620560748	776.73	207.05	0	207.05	0
AI	1700-2000	GT26	7	139.16		0.310280374	790.60	207.05	0	207.05	0
AI	LT1500	0-8	1	150.99		0	893.23	622.38	0	622.38	0
AI	LT1500	0-8	2	147.97		-1.0375	875.12	622.38	0	622.38	0
AI	LT1500	0-8	3	145.08		0	858.99	612.36	0	612.36	0
AI	LT1500	0-8	7	147.46		1.0375	873.56	612.28	0	612.28	0
AI	LT1500	0-8	8	152.12		1.0375	908.87	562.73	0	562.73	0
AI	LT1500	16-26	1	140.23		0	796.56	207.05	0	207.05	0
AI	LT1500	16-26	2	138.52		-0.310280374	786.46	207.05	0	207.05	0
AI	LT1500	16-26	3	136.86		-0.620560748	776.73	207.05	0	207.05	0
AI	LT1500	16-26	7	139.16		0.310280374	790.60	207.05	0	207.05	0
AI	LT1500	8-16	1	150.99		0	893.23	622.38	0	622.38	0
AI	LT1500	8-16	2	147.97		-1.0375	875.12	622.38	0	622.38	0
AI	LT1500	8-16	3	145.08		0	858.99	612.36	0	612.36	0
AI	LT1500	8-16	7	147.46		1.0375	873.56	612.28	0	612.28	0

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf	
Al	LT1500	8-16	8	152.12		1.0375	908.87	562.73	0	562.73	0
Al	LT1500	GT26	1	140.23		0	796.56	207.05	0	207.05	0
Al	LT1500	GT26	2	138.52	-0.310280374		786.46	207.05	0	207.05	0
Al	LT1500	GT26	3	136.86	-0.620560748		776.73	207.05	0	207.05	0
Al	LT1500	GT26	7	139.16	0.310280374		790.60	207.05	0	207.05	0
Al	GT2000	0-8	1	150.99		0	893.23	622.38	0	622.38	0
Al	GT2000	0-8	2	147.97	-1.0375		875.12	622.38	0	622.38	0
Al	GT2000	0-8	3	145.08		0	858.99	612.36	0	612.36	0
Al	GT2000	0-8	7	147.46		1.0375	873.56	612.28	0	612.28	0
Al	GT2000	0-8	8	152.12		1.0375	908.87	562.73	0	562.73	0
Al	GT2000	16-26	1	140.23		0	796.56	207.05	0	207.05	0
Al	GT2000	16-26	2	138.52	-0.310280374		786.46	207.05	0	207.05	0
Al	GT2000	16-26	3	136.86	-0.620560748		776.73	207.05	0	207.05	0
Al	GT2000	16-26	7	139.16	0.310280374		790.60	207.05	0	207.05	0
Al	GT2000	8-16	1	150.99		0	893.23	622.38	0	622.38	0
Al	GT2000	8-16	2	147.97	-1.0375		875.12	622.38	0	622.38	0
Al	GT2000	8-16	3	145.08		0	858.99	612.36	0	612.36	0
Al	GT2000	8-16	7	147.46		1.0375	873.56	612.28	0	612.28	0
Al	GT2000	8-16	8	152.12		1.0375	908.87	562.73	0	562.73	0
Al	GT2000	GT26	1	140.23		0	796.56	207.05	0	207.05	0
Al	GT2000	GT26	2	138.52	-0.310280374		786.46	207.05	0	207.05	0
Al	GT2000	GT26	3	136.86	-0.620560748		776.73	207.05	0	207.05	0
Al	GT2000	GT26	7	139.16	0.310280374		790.60	207.05	0	207.05	0
Po	1500-1700	0-8	1	176.73		0	1051.88	924.41	0	924.41	0
Po	1500-1700	0-8	2	171.79	-1.0375		1023.39	924.41	0	924.41	0
Po	1500-1700	0-8	3	166.27	-2.59375		990.10	924.41	0	924.41	0
Po	1500-1700	0-8	7	166.27	-2.59375		1019.33	924.41	0	924.41	0
Po	1500-1700	0-8	8	206.71	0.51875		1251.88	617.45	0	617.45	0
Po	1500-1700	16-26	1	127.87		0	749.95	263.85	0	263.85	0
Po	1500-1700	16-26	2	123.50	0.310280374		729.54	263.85	0	263.85	0
Po	1500-1700	16-26	3	119.21	0.310280374		692.69	263.85	0	263.85	0
Po	1500-1700	16-26	7	122.88	0.310280374		712.98	263.85	0	263.85	0
Po	1500-1700	16-26	8	132.83	2.171962617		770.98	220.96	0	220.96	0
Po	1500-1700	8-16	1	176.73		0	1051.88	924.41	0	924.41	0
Po	1500-1700	8-16	2	171.79	-1.0375		1023.39	924.41	0	924.41	0
Po	1500-1700	8-16	3	166.27	-2.59375		990.10	924.41	0	924.41	0
Po	1500-1700	8-16	7	166.27	-2.59375		1019.33	924.41	0	924.41	0
Po	1500-1700	8-16	8	206.71	0.51875		1251.88	617.45	0	617.45	0
Po	1500-1700	GT26	1	127.87		0	749.95	263.85	0	263.85	0
Po	1500-1700	GT26	2	123.50	0.310280374		729.54	263.85	0	263.85	0
Po	1500-1700	GT26	3	119.21	0.310280374		692.69	263.85	0	263.85	0
Po	1500-1700	GT26	7	122.88	0.310280374		712.98	263.85	0	263.85	0
Po	1500-1700	GT26	8	132.83	2.171962617		770.98	220.96	0	220.96	0
Po	1700-2000	0-8	1	176.73		0	1051.88	924.41	0	924.41	0
Po	1700-2000	0-8	2	171.79	-1.0375		1023.39	924.41	0	924.41	0
Po	1700-2000	0-8	3	166.27	-2.59375		990.10	924.41	0	924.41	0
Po	1700-2000	0-8	7	166.27	-2.59375		1019.33	924.41	0	924.41	0
Po	1700-2000	0-8	8	206.71	0.51875		1251.88	617.45	0	617.45	0
Po	1700-2000	16-26	1	127.87		0	749.95	263.85	0	263.85	0

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf
Po	1700-2000	16-26	2	123.50	0.310280374	729.54	263.85	0	263.85	0
Po	1700-2000	16-26	3	119.21	0.310280374	692.69	263.85	0	263.85	0
Po	1700-2000	16-26	7	122.88	0.310280374	712.98	263.85	0	263.85	0
Po	1700-2000	16-26	8	132.83	2.171962617	770.98	220.96	0	220.96	0
Po	1700-2000	8-16	1	176.73	0	1051.88	924.41	0	924.41	0
Po	1700-2000	8-16	2	171.79	-1.0375	1023.39	924.41	0	924.41	0
Po	1700-2000	8-16	3	166.27	-2.59375	990.10	924.41	0	924.41	0
Po	1700-2000	8-16	7	166.27	-2.59375	1019.33	924.41	0	924.41	0
Po	1700-2000	8-16	8	206.71	0.51875	1251.88	617.45	0	617.45	0
Po	1700-2000	GT26	1	127.87	0	749.95	263.85	0	263.85	0
Po	1700-2000	GT26	2	123.50	0.310280374	729.54	263.85	0	263.85	0
Po	1700-2000	GT26	3	119.21	0.310280374	692.69	263.85	0	263.85	0
Po	1700-2000	GT26	7	122.88	0.310280374	712.98	263.85	0	263.85	0
Po	1700-2000	GT26	8	132.83	2.171962617	770.98	220.96	0	220.96	0
Po	GT2000	0-8	1	185.02	0	1115.69	968.06	0	968.06	0
Po	GT2000	0-8	2	183.46	-1.0375	1104.32	968.06	0	968.06	0
Po	GT2000	0-8	3	178.25	-2.59375	1085.00	967.27	0	967.27	0
Po	GT2000	0-8	7	178.26	-2.59375	1115.73	967.27	0	967.27	0
Po	GT2000	0-8	8	211.94	-1.55625	1311.17	676.03	0	676.03	0
Po	GT2000	16-26	1	129.95	0	861.95	284.30	0	284.30	0
Po	GT2000	16-26	2	129.95	0	861.95	271.53	0	271.53	0
Po	GT2000	16-26	3	128.35	0.310280374	847.68	271.53	0	271.53	0
Po	GT2000	16-26	7	130.42	0.620560748	859.78	271.53	0	271.53	0
Po	GT2000	16-26	8	144.22	2.482242991	940.25	224.81	0	224.81	0
Po	GT2000	8-16	1	185.02	0	1115.69	968.06	0	968.06	0
Po	GT2000	8-16	2	183.46	-1.0375	1104.32	968.06	0	968.06	0
Po	GT2000	8-16	3	178.25	-2.59375	1085.00	967.27	0	967.27	0
Po	GT2000	8-16	7	178.26	-2.59375	1115.73	967.27	0	967.27	0
Po	GT2000	8-16	8	211.94	-1.55625	1311.17	676.03	0	676.03	0
Po	GT2000	GT26	1	129.95	0	861.95	284.30	0	284.30	0
Po	GT2000	GT26	2	129.95	0	861.95	271.53	0	271.53	0
Po	GT2000	GT26	3	128.35	0.310280374	847.68	271.53	0	271.53	0
Po	GT2000	GT26	7	130.42	0.620560748	859.78	271.53	0	271.53	0
Po	GT2000	GT26	8	144.22	2.482242991	940.25	224.81	0	224.81	0
Po	GT2000	other	1	129.95	0	861.95	284.30	0	284.30	0
Po	GT2000	other	2	129.95	0	861.95	271.53	0	271.53	0
Po	GT2000	other	3	128.35	0.310280374	847.68	271.53	0	271.53	0
Po	GT2000	other	7	130.42	0.620560748	859.78	271.53	0	271.53	0
Po	GT2000	other	8	144.22	2.482242991	940.25	224.81	0	224.81	0
Pu	1500-1700	0-8	1	187.68	0	1110.15	640.30	0	640.30	0
Pu	1500-1700	0-8	2	183.83	-1.55625	1086.85	640.30	0	640.30	0
Pu	1500-1700	0-8	3	174.45	-2.075	1051.31	640.30	0	640.30	0
Pu	1500-1700	0-8	7	175.85	-1.55625	1060.02	640.30	0	640.30	0
Pu	1500-1700	0-8	8	181.42	0.51875	1094.76	610.08	0	610.08	0
Pu	1500-1700	16-26	1	143.25	0	813.59	227.50	0	227.50	0
Pu	1500-1700	16-26	2	141.50	-0.310280374	803.24	227.50	0	227.50	0
Pu	1500-1700	16-26	3	140.95	-0.310280374	799.90	227.50	0	227.50	0
Pu	1500-1700	16-26	7	143.29	0.620560748	814.10	227.50	0	227.50	0
Pu	1500-1700	8-16	1	187.68	0	1110.15	640.30	0	640.30	0

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf
Pu	1500-1700	8-16	2	183.83	-1.55625	1086.85	640.30	0	640.30	0
Pu	1500-1700	8-16	3	174.45	-2.075	1051.31	640.30	0	640.30	0
Pu	1500-1700	8-16	7	175.85	-1.55625	1060.02	640.30	0	640.30	0
Pu	1500-1700	8-16	8	181.42	0.51875	1094.76	610.08	0	610.08	0
Pu	1500-1700	GT26	1	143.25	0	813.59	227.50	0	227.50	0
Pu	1500-1700	GT26	2	141.50	-0.310280374	803.24	227.50	0	227.50	0
Pu	1500-1700	GT26	3	140.95	-0.310280374	799.90	227.50	0	227.50	0
Pu	1500-1700	GT26	7	143.29	0.620560748	814.10	227.50	0	227.50	0
Pu	1700-2000	0-8	1	187.68	0	1110.15	640.30	0	640.30	0
Pu	1700-2000	0-8	2	183.83	-1.55625	1086.85	640.30	0	640.30	0
Pu	1700-2000	0-8	3	174.45	-2.075	1051.31	640.30	0	640.30	0
Pu	1700-2000	0-8	7	175.85	-1.55625	1060.02	640.30	0	640.30	0
Pu	1700-2000	0-8	8	181.42	0.51875	1094.76	610.08	0	610.08	0
Pu	1700-2000	16-26	1	143.25	0	813.59	227.50	0	227.50	0
Pu	1700-2000	16-26	2	141.50	-0.310280374	803.24	227.50	0	227.50	0
Pu	1700-2000	16-26	3	140.95	-0.310280374	799.90	227.50	0	227.50	0
Pu	1700-2000	16-26	7	143.29	0.620560748	814.10	227.50	0	227.50	0
Pu	1700-2000	8-16	1	187.68	0	1110.15	640.30	0	640.30	0
Pu	1700-2000	8-16	2	183.83	-1.55625	1086.85	640.30	0	640.30	0
Pu	1700-2000	8-16	3	174.45	-2.075	1051.31	640.30	0	640.30	0
Pu	1700-2000	8-16	7	175.85	-1.55625	1060.02	640.30	0	640.30	0
Pu	1700-2000	8-16	8	181.42	0.51875	1094.76	610.08	0	610.08	0
Pu	1700-2000	GT26	1	143.25	0	813.59	227.50	0	227.50	0
Pu	1700-2000	GT26	2	141.50	-0.310280374	803.24	227.50	0	227.50	0
Pu	1700-2000	GT26	3	140.95	-0.310280374	799.90	227.50	0	227.50	0
Pu	1700-2000	GT26	7	143.29	0.620560748	814.10	227.50	0	227.50	0
Pu	LT1500	0-8	1	187.68	0	1110.15	640.30	0	640.30	0
Pu	LT1500	0-8	2	183.83	-1.55625	1086.85	640.30	0	640.30	0
Pu	LT1500	0-8	3	174.45	-2.075	1051.31	640.30	0	640.30	0
Pu	LT1500	0-8	7	175.85	-1.55625	1060.02	640.30	0	640.30	0
Pu	LT1500	0-8	8	181.42	0.51875	1094.76	610.08	0	610.08	0
Pu	LT1500	16-26	1	143.25	0	813.59	227.50	0	227.50	0
Pu	LT1500	16-26	2	141.50	-0.310280374	803.24	227.50	0	227.50	0
Pu	LT1500	16-26	3	140.95	-0.310280374	799.90	227.50	0	227.50	0
Pu	LT1500	16-26	7	143.29	0.620560748	814.10	227.50	0	227.50	0
Pu	LT1500	8-16	1	187.68	0	1110.15	640.30	0	640.30	0
Pu	LT1500	8-16	2	183.83	-1.55625	1086.85	640.30	0	640.30	0
Pu	LT1500	8-16	3	174.45	-2.075	1051.31	640.30	0	640.30	0
Pu	LT1500	8-16	7	175.85	-1.55625	1060.02	640.30	0	640.30	0
Pu	LT1500	8-16	8	181.42	0.51875	1094.76	610.08	0	610.08	0
Pu	LT1500	GT26	1	143.25	0	813.59	227.50	0	227.50	0
Pu	LT1500	GT26	2	141.50	-0.310280374	803.24	227.50	0	227.50	0
Pu	LT1500	GT26	3	140.95	-0.310280374	799.90	227.50	0	227.50	0
Pu	LT1500	GT26	7	143.29	0.620560748	814.10	227.50	0	227.50	0
Pu	GT2000	0-8	1	187.68	0	1110.15	640.30	0	640.30	0
Pu	GT2000	0-8	2	183.83	-1.55625	1086.85	640.30	0	640.30	0
Pu	GT2000	0-8	3	174.45	-2.075	1051.31	640.30	0	640.30	0
Pu	GT2000	0-8	7	175.85	-1.55625	1060.02	640.30	0	640.30	0
Pu	GT2000	0-8	8	181.42	0.51875	1094.76	610.08	0	610.08	0

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf	
Pu	GT2000	16-26	1	143.25		0	813.59	227.50	0	227.50	0
Pu	GT2000	16-26	2	141.50	-0.310280374		803.24	227.50	0	227.50	0
Pu	GT2000	16-26	3	140.95	-0.310280374		799.90	227.50	0	227.50	0
Pu	GT2000	16-26	7	143.29	0.620560748		814.10	227.50	0	227.50	0
Pu	GT2000	8-16	1	187.68		0	1110.15	640.30	0	640.30	0
Pu	GT2000	8-16	2	183.83	-1.55625		1086.85	640.30	0	640.30	0
Pu	GT2000	8-16	3	174.45	-2.075		1051.31	640.30	0	640.30	0
Pu	GT2000	8-16	7	175.85	-1.55625		1060.02	640.30	0	640.30	0
Pu	GT2000	8-16	8	181.42	0.51875		1094.76	610.08	0	610.08	0
Pu	GT2000	GT26	1	143.25		0	813.59	227.50	0	227.50	0
Pu	GT2000	GT26	2	141.50	-0.310280374		803.24	227.50	0	227.50	0
Pu	GT2000	GT26	3	140.95	-0.310280374		799.90	227.50	0	227.50	0
Pu	GT2000	GT26	7	143.29	0.620560748		814.10	227.50	0	227.50	0
Re	1500-1700	0-8	1	115.72		0	683.38	477.29	0	477.29	0
Re	1500-1700	0-8	2	113.50		0	670.53	477.29	0	477.29	0
Re	1500-1700	0-8	3	110.80	-0.51875		654.70	465.03	0	465.03	0
Re	1500-1700	0-8	7	110.80	-0.51875		670.16	465.03	0	465.03	0
Re	1500-1700	0-8	8	111.62	-0.51875		694.76	437.96	0	437.96	0
Re	1500-1700	16-26	1	112.02		0	593.52	184.79	0	184.79	0
Re	1500-1700	16-26	2	110.26	-0.620560748		583.48	184.79	0	184.79	0
Re	1500-1700	16-26	3	107.54	-1.551401869		568.31	184.79	0	184.79	0
Re	1500-1700	16-26	7	107.80	-1.551401869		573.12	184.79	0	184.79	0
Re	1500-1700	16-26	8	114.60	0.620560748		608.31	163.70	0	163.70	0
Re	1500-1700	8-16	1	115.72		0	683.38	477.29	0	477.29	0
Re	1500-1700	8-16	2	113.50		0	670.53	477.29	0	477.29	0
Re	1500-1700	8-16	3	110.80	-0.51875		654.70	465.03	0	465.03	0
Re	1500-1700	8-16	7	110.80	-0.51875		670.16	465.03	0	465.03	0
Re	1500-1700	8-16	8	111.62	-0.51875		694.76	437.96	0	437.96	0
Re	1500-1700	GT26	1	112.02		0	593.52	184.79	0	184.79	0
Re	1500-1700	GT26	2	110.26	-0.620560748		583.48	184.79	0	184.79	0
Re	1500-1700	GT26	3	107.54	-1.551401869		568.31	184.79	0	184.79	0
Re	1500-1700	GT26	7	107.80	-1.551401869		573.12	184.79	0	184.79	0
Re	1500-1700	GT26	8	114.60	0.620560748		608.31	163.70	0	163.70	0
Re	1700-2000	0-8	1	115.72		0	683.38	477.29	0	477.29	0
Re	1700-2000	0-8	2	113.50		0	670.53	477.29	0	477.29	0
Re	1700-2000	0-8	3	110.80	-0.51875		654.70	465.03	0	465.03	0
Re	1700-2000	0-8	7	110.80	-0.51875		670.16	465.03	0	465.03	0
Re	1700-2000	0-8	8	111.62	-0.51875		694.76	437.96	0	437.96	0
Re	1700-2000	16-26	1	112.02		0	593.52	184.79	0	184.79	0
Re	1700-2000	16-26	2	110.26	-0.620560748		583.48	184.79	0	184.79	0
Re	1700-2000	16-26	3	107.54	-1.551401869		568.31	184.79	0	184.79	0
Re	1700-2000	16-26	7	107.80	-1.551401869		573.12	184.79	0	184.79	0
Re	1700-2000	16-26	8	114.60	0.620560748		608.31	163.70	0	163.70	0
Re	1700-2000	8-16	1	115.72		0	683.38	477.29	0	477.29	0
Re	1700-2000	8-16	2	113.50		0	670.53	477.29	0	477.29	0
Re	1700-2000	8-16	3	110.80	-0.51875		654.70	465.03	0	465.03	0
Re	1700-2000	8-16	7	110.80	-0.51875		670.16	465.03	0	465.03	0
Re	1700-2000	8-16	8	111.62	-0.51875		694.76	437.96	0	437.96	0
Re	1700-2000	GT26	1	112.02		0	593.52	184.79	0	184.79	0

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf
Re	1700-2000	GT26	2	110.26	-0.620560748	583.48	184.79	0	184.79	0
Re	1700-2000	GT26	3	107.54	-1.551401869	568.31	184.79	0	184.79	0
Re	1700-2000	GT26	7	107.80	-1.551401869	573.12	184.79	0	184.79	0
Re	1700-2000	GT26	8	114.60	0.620560748	608.31	163.70	0	163.70	0
Re	LT1500	0-8	1	115.72	0	683.38	477.29	0	477.29	0
Re	LT1500	0-8	2	113.50	0	670.53	477.29	0	477.29	0
Re	LT1500	0-8	3	110.80	-0.51875	654.70	465.03	0	465.03	0
Re	LT1500	0-8	7	110.80	-0.51875	670.16	465.03	0	465.03	0
Re	LT1500	0-8	8	111.62	-0.51875	694.76	437.96	0	437.96	0
Re	LT1500	16-26	1	112.02	0	593.52	184.79	0	184.79	0
Re	LT1500	16-26	2	110.26	-0.620560748	583.48	184.79	0	184.79	0
Re	LT1500	16-26	3	107.54	-1.551401869	568.31	184.79	0	184.79	0
Re	LT1500	16-26	7	107.80	-1.551401869	573.12	184.79	0	184.79	0
Re	LT1500	16-26	8	114.60	0.620560748	608.31	163.70	0	163.70	0
Re	LT1500	8-16	1	115.72	0	683.38	477.29	0	477.29	0
Re	LT1500	8-16	2	113.50	0	670.53	477.29	0	477.29	0
Re	LT1500	8-16	3	110.80	-0.51875	654.70	465.03	0	465.03	0
Re	LT1500	8-16	7	110.80	-0.51875	670.16	465.03	0	465.03	0
Re	LT1500	8-16	8	111.62	-0.51875	694.76	437.96	0	437.96	0
Re	LT1500	GT26	1	112.02	0	593.52	184.79	0	184.79	0
Re	LT1500	GT26	2	110.26	-0.620560748	583.48	184.79	0	184.79	0
Re	LT1500	GT26	3	107.54	-1.551401869	568.31	184.79	0	184.79	0
Re	LT1500	GT26	7	107.80	-1.551401869	573.12	184.79	0	184.79	0
Re	LT1500	GT26	8	114.60	0.620560748	608.31	163.70	0	163.70	0
Re	GT2000	0-8	1	115.72	0	683.38	477.29	0	477.29	0
Re	GT2000	0-8	2	113.50	0	670.53	477.29	0	477.29	0
Re	GT2000	0-8	3	110.80	-0.51875	654.70	465.03	0	465.03	0
Re	GT2000	0-8	7	110.80	-0.51875	670.16	465.03	0	465.03	0
Re	GT2000	0-8	8	111.62	-0.51875	694.76	437.96	0	437.96	0
Re	GT2000	16-26	1	112.02	0	593.52	184.79	0	184.79	0
Re	GT2000	16-26	2	110.26	-0.620560748	583.48	184.79	0	184.79	0
Re	GT2000	16-26	3	107.54	-1.551401869	568.31	184.79	0	184.79	0
Re	GT2000	16-26	7	107.80	-1.551401869	573.12	184.79	0	184.79	0
Re	GT2000	16-26	8	114.60	0.620560748	608.31	163.70	0	163.70	0
Re	GT2000	8-16	1	115.72	0	683.38	477.29	0	477.29	0
Re	GT2000	8-16	2	113.50	0	670.53	477.29	0	477.29	0
Re	GT2000	8-16	3	110.80	-0.51875	654.70	465.03	0	465.03	0
Re	GT2000	8-16	7	110.80	-0.51875	670.16	465.03	0	465.03	0
Re	GT2000	8-16	8	111.62	-0.51875	694.76	437.96	0	437.96	0
Re	GT2000	GT26	1	112.02	0	593.52	184.79	0	184.79	0
Re	GT2000	GT26	2	110.26	-0.620560748	583.48	184.79	0	184.79	0
Re	GT2000	GT26	3	107.54	-1.551401869	568.31	184.79	0	184.79	0
Re	GT2000	GT26	7	107.80	-1.551401869	573.12	184.79	0	184.79	0
Re	GT2000	GT26	8	114.60	0.620560748	608.31	163.70	0	163.70	0
Or	1500-1700	0-8	1	115.72	0	683.38	477.29	0	477.29	0
Or	1500-1700	0-8	2	113.50	0	670.53	477.29	0	477.29	0
Or	1500-1700	0-8	3	110.80	-0.51875	654.70	465.03	0	465.03	0
Or	1500-1700	0-8	7	110.80	-0.51875	670.16	465.03	0	465.03	0
Or	1500-1700	0-8	8	111.62	-0.51875	694.76	437.96	0	437.96	0

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf	
Or	1500-1700	16-26	1	112.02		0	593.52	184.79	0	184.79	0
Or	1500-1700	16-26	2	110.26	-0.620560748		583.48	184.79	0	184.79	0
Or	1500-1700	16-26	3	107.54	-1.551401869		568.31	184.79	0	184.79	0
Or	1500-1700	16-26	7	107.80	-1.551401869		573.12	184.79	0	184.79	0
Or	1500-1700	16-26	8	114.60	0.620560748		608.31	163.70	0	163.70	0
Or	1500-1700	8-16	1	115.72		0	683.38	477.29	0	477.29	0
Or	1500-1700	8-16	2	113.50		0	670.53	477.29	0	477.29	0
Or	1500-1700	8-16	3	110.80	-0.51875		654.70	465.03	0	465.03	0
Or	1500-1700	8-16	7	110.80	-0.51875		670.16	465.03	0	465.03	0
Or	1500-1700	8-16	8	111.62	-0.51875		694.76	437.96	0	437.96	0
Or	LT1500	0-8	1	115.72		0	683.38	477.29	0	477.29	0
Or	LT1500	0-8	2	113.50		0	670.53	477.29	0	477.29	0
Or	LT1500	0-8	3	110.80	-0.51875		654.70	465.03	0	465.03	0
Or	LT1500	0-8	7	110.80	-0.51875		670.16	465.03	0	465.03	0
Or	LT1500	0-8	8	111.62	-0.51875		694.76	437.96	0	437.96	0
Or	LT1500	16-26	1	112.02		0	593.52	184.79	0	184.79	0
Or	LT1500	16-26	2	110.26	-0.620560748		583.48	184.79	0	184.79	0
Or	LT1500	16-26	3	107.54	-1.551401869		568.31	184.79	0	184.79	0
Or	LT1500	16-26	7	107.80	-1.551401869		573.12	184.79	0	184.79	0
Or	LT1500	16-26	8	114.60	0.620560748		608.31	163.70	0	163.70	0
Or	LT1500	8-16	1	115.72		0	683.38	477.29	0	477.29	0
Or	LT1500	8-16	2	113.50		0	670.53	477.29	0	477.29	0
Or	LT1500	8-16	3	110.80	-0.51875		654.70	465.03	0	465.03	0
Or	LT1500	8-16	7	110.80	-0.51875		670.16	465.03	0	465.03	0
Or	LT1500	8-16	8	111.62	-0.51875		694.76	437.96	0	437.96	0
other	1500-1700	0-8	1	176.73		0	1051.88	924.41	0	924.41	0
other	1500-1700	0-8	2	171.79	-1.0375		1023.39	924.41	0	924.41	0
other	1500-1700	0-8	3	166.27	-2.59375		990.10	924.41	0	924.41	0
other	1500-1700	0-8	7	166.27	-2.59375		1019.33	924.41	0	924.41	0
other	1500-1700	0-8	8	206.71	0.51875		1251.88	617.45	0	617.45	0
other	1500-1700	16-26	1	127.87		0	749.95	263.85	0	263.85	0
other	1500-1700	16-26	2	123.50	0.310280374		729.54	263.85	0	263.85	0
other	1500-1700	16-26	3	119.21	0.310280374		692.69	263.85	0	263.85	0
other	1500-1700	16-26	7	122.88	0.310280374		712.98	263.85	0	263.85	0
other	1500-1700	16-26	8	132.83	2.171962617		770.98	220.96	0	220.96	0
other	1500-1700	8-16	1	176.73		0	1051.88	924.41	0	924.41	0
other	1500-1700	8-16	2	171.79	-1.0375		1023.39	924.41	0	924.41	0
other	1500-1700	8-16	3	166.27	-2.59375		990.10	924.41	0	924.41	0
other	1500-1700	8-16	7	166.27	-2.59375		1019.33	924.41	0	924.41	0
other	1500-1700	8-16	8	206.71	0.51875		1251.88	617.45	0	617.45	0
other	1500-1700	GT26	1	127.87		0	749.95	263.85	0	263.85	0
other	1500-1700	GT26	2	123.50	0.310280374		729.54	263.85	0	263.85	0
other	1500-1700	GT26	3	119.21	0.310280374		692.69	263.85	0	263.85	0
other	1500-1700	GT26	7	122.88	0.310280374		712.98	263.85	0	263.85	0
other	1500-1700	GT26	8	132.83	2.171962617		770.98	220.96	0	220.96	0
other	1700-2000	0-8	1	176.73		0	1051.88	924.41	0	924.41	0
other	1700-2000	0-8	2	171.79	-1.0375		1023.39	924.41	0	924.41	0
other	1700-2000	0-8	3	166.27	-2.59375		990.10	924.41	0	924.41	0
other	1700-2000	0-8	7	166.27	-2.59375		1019.33	924.41	0	924.41	0

soil	rain	slope	mosb	rsw	rscvc	rst	rbs-p	rbc	rbt	rsf
other	1700-2000	0-8	8	206.71	0.51875	1251.88	617.45	0	617.45	0
other	1700-2000	16-26	1	127.87	0	749.95	263.85	0	263.85	0
other	1700-2000	16-26	2	123.50	0.310280374	729.54	263.85	0	263.85	0
other	1700-2000	16-26	3	119.21	0.310280374	692.69	263.85	0	263.85	0
other	1700-2000	16-26	7	122.88	0.310280374	712.98	263.85	0	263.85	0
other	1700-2000	16-26	8	132.83	2.171962617	770.98	220.96	0	220.96	0
other	1700-2000	8-16	1	176.73	0	1051.88	924.41	0	924.41	0
other	1700-2000	8-16	2	171.79	-1.0375	1023.39	924.41	0	924.41	0
other	1700-2000	8-16	3	166.27	-2.59375	990.10	924.41	0	924.41	0
other	1700-2000	8-16	7	166.27	-2.59375	1019.33	924.41	0	924.41	0
other	1700-2000	8-16	8	206.71	0.51875	1251.88	617.45	0	617.45	0
other	1700-2000	GT26	1	127.87	0	749.95	263.85	0	263.85	0
other	1700-2000	GT26	2	123.50	0.310280374	729.54	263.85	0	263.85	0
other	1700-2000	GT26	3	119.21	0.310280374	692.69	263.85	0	263.85	0
other	1700-2000	GT26	7	122.88	0.310280374	712.98	263.85	0	263.85	0
other	1700-2000	GT26	8	132.83	2.171962617	770.98	220.96	0	220.96	0
other	LT1500	0-8	1	176.73	0	1051.88	924.41	0	924.41	0
other	LT1500	0-8	2	171.79	-1.0375	1023.39	924.41	0	924.41	0
other	LT1500	0-8	3	166.27	-2.59375	990.10	924.41	0	924.41	0
other	LT1500	0-8	7	166.27	-2.59375	1019.33	924.41	0	924.41	0
other	LT1500	0-8	8	206.71	0.51875	1251.88	617.45	0	617.45	0
other	GT2000	0-8	1	185.02	0	1115.69	968.06	0	968.06	0
other	GT2000	0-8	2	183.46	-1.0375	1104.32	968.06	0	968.06	0
other	GT2000	0-8	3	178.25	-2.59375	1085.00	967.27	0	967.27	0
other	GT2000	0-8	7	178.26	-2.59375	1115.73	967.27	0	967.27	0
other	GT2000	0-8	8	211.94	-1.55625	1311.17	676.03	0	676.03	0
other	GT2000	16-26	1	129.95	0	861.95	284.30	0	284.30	0
other	GT2000	16-26	2	129.95	0	861.95	271.53	0	271.53	0
other	GT2000	16-26	3	128.35	0.310280374	847.68	271.53	0	271.53	0
other	GT2000	16-26	7	130.42	0.620560748	859.78	271.53	0	271.53	0
other	GT2000	16-26	8	144.22	2.482242991	940.25	224.81	0	224.81	0
other	GT2000	8-16	1	185.02	0	1115.69	968.06	0	968.06	0
other	GT2000	8-16	2	183.46	-1.0375	1104.32	968.06	0	968.06	0
other	GT2000	8-16	3	178.25	-2.59375	1085.00	967.27	0	967.27	0
other	GT2000	8-16	7	178.26	-2.59375	1115.73	967.27	0	967.27	0
other	GT2000	8-16	8	211.94	-1.55625	1311.17	676.03	0	676.03	0

soil	rain	slope	mosb	rccvc	rct	rtrr	eww	esah	ess
AI	1500-1700	0-8	1	0.021875	0.021875	1515.63	285.29	97.07	60.17
AI	1500-1700	0-8	2	0.021875	0.021875	1497.53	281.59	96.44	58.95
AI	1500-1700	0-8	3	0	0	1471.35	275.79	94.54	57.79
AI	1500-1700	0-8	7	0	0	1485.83	278.72	95.03	58.73
AI	1500-1700	0-8	8	0	0	1471.60	279.83	91.18	60.60
AI	1500-1700	16-26	1	0	0	1003.60	242.55	34.90	55.88
AI	1500-1700	16-26	2	0	0	993.51	240.44	34.55	55.20
AI	1500-1700	16-26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54
AI	1500-1700	16-26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44
AI	1500-1700	8-16	1	0.021875	0.021875	1515.63	285.29	97.07	60.17
AI	1500-1700	8-16	2	0.021875	0.021875	1497.53	281.59	96.44	58.95
AI	1500-1700	8-16	3	0	0	1471.35	275.79	94.54	57.79
AI	1500-1700	8-16	7	0	0	1485.83	278.72	95.03	58.73
AI	1500-1700	8-16	8	0	0	1471.60	279.83	91.18	60.60
AI	1500-1700	GT26	1	0	0	1003.60	242.55	34.90	55.88
AI	1500-1700	GT26	2	0	0	993.51	240.44	34.55	55.20
AI	1500-1700	GT26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54
AI	1500-1700	GT26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44
AI	1700-2000	0-8	1	0.021875	0.021875	1515.63	285.29	97.07	60.17
AI	1700-2000	0-8	2	0.021875	0.021875	1497.53	281.59	96.44	58.95
AI	1700-2000	0-8	3	0	0	1471.35	275.79	94.54	57.79
AI	1700-2000	0-8	7	0	0	1485.83	278.72	95.03	58.73
AI	1700-2000	0-8	8	0	0	1471.60	279.83	91.18	60.60
AI	1700-2000	16-26	1	0	0	1003.60	242.55	34.90	55.88
AI	1700-2000	16-26	2	0	0	993.51	240.44	34.55	55.20
AI	1700-2000	16-26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54
AI	1700-2000	16-26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44
AI	1700-2000	8-16	1	0.021875	0.021875	1515.63	285.29	97.07	60.17
AI	1700-2000	8-16	2	0.021875	0.021875	1497.53	281.59	96.44	58.95
AI	1700-2000	8-16	3	0	0	1471.35	275.79	94.54	57.79
AI	1700-2000	8-16	7	0	0	1485.83	278.72	95.03	58.73
AI	1700-2000	8-16	8	0	0	1471.60	279.83	91.18	60.60
AI	1700-2000	GT26	1	0	0	1003.60	242.55	34.90	55.88
AI	1700-2000	GT26	2	0	0	993.51	240.44	34.55	55.20
AI	1700-2000	GT26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54
AI	1700-2000	GT26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44
AI	LT1500	0-8	1	0.021875	0.021875	1515.63	285.29	97.07	60.17
AI	LT1500	0-8	2	0.021875	0.021875	1497.53	281.59	96.44	58.95
AI	LT1500	0-8	3	0	0	1471.35	275.79	94.54	57.79
AI	LT1500	0-8	7	0	0	1485.83	278.72	95.03	58.73
AI	LT1500	0-8	8	0	0	1471.60	279.83	91.18	60.60
AI	LT1500	16-26	1	0	0	1003.60	242.55	34.90	55.88
AI	LT1500	16-26	2	0	0	993.51	240.44	34.55	55.20
AI	LT1500	16-26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54
AI	LT1500	16-26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44
AI	LT1500	8-16	1	0.021875	0.021875	1515.63	285.29	97.07	60.17
AI	LT1500	8-16	2	0.021875	0.021875	1497.53	281.59	96.44	58.95
AI	LT1500	8-16	3	0	0	1471.35	275.79	94.54	57.79
AI	LT1500	8-16	7	0	0	1485.83	278.72	95.03	58.73

soil	rain	slope	mosb	rccvc	rct	rttr	eww	esah	ess	
Al	LT1500	8-16	8		0	0	1471.60	279.83	91.18	60.60
Al	LT1500	GT26	1		0	0	1003.60	242.55	34.90	55.88
Al	LT1500	GT26	2		0	0	993.51	240.44	34.55	55.20
Al	LT1500	GT26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54	
Al	LT1500	GT26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44	
Al	GT2000	0-8	1	0.021875	0.021875	1515.63	285.29	97.07	60.17	
Al	GT2000	0-8	2	0.021875	0.021875	1497.53	281.59	96.44	58.95	
Al	GT2000	0-8	3		0	0	1471.35	275.79	94.54	57.79
Al	GT2000	0-8	7		0	0	1485.83	278.72	95.03	58.73
Al	GT2000	0-8	8		0	0	1471.60	279.83	91.18	60.60
Al	GT2000	16-26	1		0	0	1003.60	242.55	34.90	55.88
Al	GT2000	16-26	2		0	0	993.51	240.44	34.55	55.20
Al	GT2000	16-26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54	
Al	GT2000	16-26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44	
Al	GT2000	8-16	1	0.021875	0.021875	1515.63	285.29	97.07	60.17	
Al	GT2000	8-16	2	0.021875	0.021875	1497.53	281.59	96.44	58.95	
Al	GT2000	8-16	3		0	0	1471.35	275.79	94.54	57.79
Al	GT2000	8-16	7		0	0	1485.83	278.72	95.03	58.73
Al	GT2000	8-16	8		0	0	1471.60	279.83	91.18	60.60
Al	GT2000	GT26	1		0	0	1003.60	242.55	34.90	55.88
Al	GT2000	GT26	2		0	0	993.51	240.44	34.55	55.20
Al	GT2000	GT26	3	-0.157009346	-0.157009346	983.62	238.38	34.21	54.54	
Al	GT2000	GT26	7	-0.157009346	-0.157009346	997.49	241.17	34.67	55.44	
Po	1500-1700	0-8	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41	
Po	1500-1700	0-8	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43	
Po	1500-1700	0-8	3	0.55625	0.55625	1915.07	370.94	126.99	66.23	
Po	1500-1700	0-8	7	0.55625	0.55625	1944.29	376.24	127.72	66.23	
Po	1500-1700	0-8	8	0.55625	0.55625	1869.88	383.67	104.25	82.33	
Po	1500-1700	16-26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96	
Po	1500-1700	16-26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27	
Po	1500-1700	16-26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96	
Po	1500-1700	16-26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49	
Po	1500-1700	16-26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57	
Po	1500-1700	8-16	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41	
Po	1500-1700	8-16	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43	
Po	1500-1700	8-16	3	0.55625	0.55625	1915.07	370.94	126.99	66.23	
Po	1500-1700	8-16	7	0.55625	0.55625	1944.29	376.24	127.72	66.23	
Po	1500-1700	8-16	8	0.55625	0.55625	1869.88	383.67	104.25	82.33	
Po	1500-1700	GT26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96	
Po	1500-1700	GT26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27	
Po	1500-1700	GT26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96	
Po	1500-1700	GT26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49	
Po	1500-1700	GT26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57	
Po	1700-2000	0-8	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41	
Po	1700-2000	0-8	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43	
Po	1700-2000	0-8	3	0.55625	0.55625	1915.07	370.94	126.99	66.23	
Po	1700-2000	0-8	7	0.55625	0.55625	1944.29	376.24	127.72	66.23	
Po	1700-2000	0-8	8	0.55625	0.55625	1869.88	383.67	104.25	82.33	
Po	1700-2000	16-26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96	

soil	rain	slope	mosb	rccvc	rct	rttr	eww	esah	ess
Po	1700-2000	16-26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27
Po	1700-2000	16-26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96
Po	1700-2000	16-26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49
Po	1700-2000	16-26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57
Po	1700-2000	8-16	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41
Po	1700-2000	8-16	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43
Po	1700-2000	8-16	3	0.55625	0.55625	1915.07	370.94	126.99	66.23
Po	1700-2000	8-16	7	0.55625	0.55625	1944.29	376.24	127.72	66.23
Po	1700-2000	8-16	8	0.55625	0.55625	1869.88	383.67	104.25	82.33
Po	1700-2000	GT26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96
Po	1700-2000	GT26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27
Po	1700-2000	GT26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96
Po	1700-2000	GT26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49
Po	1700-2000	GT26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57
Po	GT2000	0-8	1	0.234375	0.234375	2083.99	405.41	136.28	71.55
Po	GT2000	0-8	2	0.234375	0.234375	2072.62	403.63	135.98	70.95
Po	GT2000	0-8	3	-0.09375	-0.09375	2052.18	400.01	135.26	68.93
Po	GT2000	0-8	7	-0.09375	-0.09375	2082.90	404.98	135.93	68.93
Po	GT2000	0-8	8	-0.09375	-0.09375	1987.11	406.08	112.41	81.93
Po	GT2000	16-26	1	0.091588785	0.091588785	1146.33	284.99	37.85	51.84
Po	GT2000	16-26	2	0.091588785	0.091588785	1133.57	281.82	37.58	51.84
Po	GT2000	16-26	3	0.117757009	0.117757009	1119.33	278.95	38.23	52.51
Po	GT2000	16-26	7	0.117757009	0.117757009	1131.43	281.48	38.67	53.36
Po	GT2000	16-26	8	0.117757009	0.117757009	1165.18	283.91	40.28	58.99
Po	GT2000	8-16	1	0.234375	0.234375	2083.99	405.41	136.28	71.55
Po	GT2000	8-16	2	0.234375	0.234375	2072.62	403.63	135.98	70.95
Po	GT2000	8-16	3	-0.09375	-0.09375	2052.18	400.01	135.26	68.93
Po	GT2000	8-16	7	-0.09375	-0.09375	2082.90	404.98	135.93	68.93
Po	GT2000	8-16	8	-0.09375	-0.09375	1987.11	406.08	112.41	81.93
Po	GT2000	GT26	1	0.091588785	0.091588785	1146.33	284.99	37.85	51.84
Po	GT2000	GT26	2	0.091588785	0.091588785	1133.57	281.82	37.58	51.84
Po	GT2000	GT26	3	0.117757009	0.117757009	1119.33	278.95	38.23	52.51
Po	GT2000	GT26	7	0.117757009	0.117757009	1131.43	281.48	38.67	53.36
Po	GT2000	GT26	8	0.117757009	0.117757009	1165.18	283.91	40.28	58.99
Po	GT2000	other	1	0.091588785	0.091588785	1146.33	284.99	37.85	51.84
Po	GT2000	other	2	0.091588785	0.091588785	1133.57	281.82	37.58	51.84
Po	GT2000	other	3	0.117757009	0.117757009	1119.33	278.95	38.23	52.51
Po	GT2000	other	7	0.117757009	0.117757009	1131.43	281.48	38.67	53.36
Po	GT2000	other	8	0.117757009	0.117757009	1165.18	283.91	40.28	58.99
Pu	1500-1700	0-8	1	0.0125	0.0125	1750.46	345.98	105.45	74.78
Pu	1500-1700	0-8	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	1500-1700	0-8	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	1500-1700	0-8	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	1500-1700	0-8	8	0.0125	0.0125	1704.85	338.38	101.58	72.34
Pu	1500-1700	16-26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	1500-1700	16-26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	1500-1700	16-26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	1500-1700	16-26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Pu	1500-1700	8-16	1	0.0125	0.0125	1750.46	345.98	105.45	74.78

soil	rain	slope	mosb	rccvc	rct	rttr	eww	esah	ess
Pu	1500-1700	8-16	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	1500-1700	8-16	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	1500-1700	8-16	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	1500-1700	8-16	8	0.0125	0.0125	1704.85	338.38	101.58	72.34
Pu	1500-1700	GT26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	1500-1700	GT26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	1500-1700	GT26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	1500-1700	GT26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Pu	1700-2000	0-8	1	0.0125	0.0125	1750.46	345.98	105.45	74.78
Pu	1700-2000	0-8	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	1700-2000	0-8	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	1700-2000	0-8	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	1700-2000	0-8	8	0.0125	0.0125	1704.85	338.38	101.58	72.34
Pu	1700-2000	16-26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	1700-2000	16-26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	1700-2000	16-26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	1700-2000	16-26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Pu	1700-2000	8-16	1	0.0125	0.0125	1750.46	345.98	105.45	74.78
Pu	1700-2000	8-16	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	1700-2000	8-16	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	1700-2000	8-16	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	1700-2000	8-16	8	0.0125	0.0125	1704.85	338.38	101.58	72.34
Pu	1700-2000	GT26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	1700-2000	GT26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	1700-2000	GT26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	1700-2000	GT26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Pu	LT1500	0-8	1	0.0125	0.0125	1750.46	345.98	105.45	74.78
Pu	LT1500	0-8	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	LT1500	0-8	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	LT1500	0-8	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	LT1500	0-8	8	0.0125	0.0125	1704.85	338.38	101.58	72.34
Pu	LT1500	16-26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	LT1500	16-26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	LT1500	16-26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	LT1500	16-26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Pu	LT1500	8-16	1	0.0125	0.0125	1750.46	345.98	105.45	74.78
Pu	LT1500	8-16	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	LT1500	8-16	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	LT1500	8-16	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	LT1500	8-16	8	0.0125	0.0125	1704.85	338.38	101.58	72.34
Pu	LT1500	GT26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	LT1500	GT26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	LT1500	GT26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	LT1500	GT26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Pu	GT2000	0-8	1	0.0125	0.0125	1750.46	345.98	105.45	74.78
Pu	GT2000	0-8	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	GT2000	0-8	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	GT2000	0-8	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	GT2000	0-8	8	0.0125	0.0125	1704.85	338.38	101.58	72.34

soil	rain	slope	mosb	rccvc	rct	rttr	eww	esah	ess
Pu	GT2000	16-26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	GT2000	16-26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	GT2000	16-26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	GT2000	16-26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Pu	GT2000	8-16	1	0.0125	0.0125	1750.46	345.98	105.45	74.78
Pu	GT2000	8-16	2	0.0125	0.0125	1727.16	341.24	104.66	73.25
Pu	GT2000	8-16	3	0.0125	0.0125	1691.63	333.94	103.31	69.51
Pu	GT2000	8-16	7	0.0125	0.0125	1700.33	335.71	103.60	70.08
Pu	GT2000	8-16	8	0.0125	0.0125	1704.85	338.38	101.58	72.34
Pu	GT2000	GT26	1	-0.274766355	-0.274766355	1040.81	252.83	36.07	57.06
Pu	GT2000	GT26	2	-0.274766355	-0.274766355	1030.47	250.68	35.72	56.36
Pu	GT2000	GT26	3	-0.039252336	-0.039252336	1027.36	249.98	35.61	56.15
Pu	GT2000	GT26	7	-0.039252336	-0.039252336	1041.56	252.84	36.08	57.06
Re	1500-1700	0-8	1	0	0	1160.68	218.35	74.30	46.11
Re	1500-1700	0-8	2	0	0	1147.83	215.50	73.82	45.20
Re	1500-1700	0-8	3	0	0	1119.73	210.34	71.99	44.12
Re	1500-1700	0-8	7	0	0	1135.19	213.92	72.46	44.12
Re	1500-1700	0-8	8	0	0	1132.72	211.84	70.37	44.45
Re	1500-1700	16-26	1	0	0	778.31	189.57	26.64	48.47
Re	1500-1700	16-26	2	0	0	768.27	187.55	26.30	47.68
Re	1500-1700	16-26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51
Re	1500-1700	16-26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03
Re	1500-1700	16-26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59
Re	1500-1700	8-16	1	0	0	1160.68	218.35	74.30	46.11
Re	1500-1700	8-16	2	0	0	1147.83	215.50	73.82	45.20
Re	1500-1700	8-16	3	0	0	1119.73	210.34	71.99	44.12
Re	1500-1700	8-16	7	0	0	1135.19	213.92	72.46	44.12
Re	1500-1700	8-16	8	0	0	1132.72	211.84	70.37	44.45
Re	1500-1700	GT26	1	0	0	778.31	189.57	26.64	48.47
Re	1500-1700	GT26	2	0	0	768.27	187.55	26.30	47.68
Re	1500-1700	GT26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51
Re	1500-1700	GT26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03
Re	1500-1700	GT26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59
Re	1700-2000	0-8	1	0	0	1160.68	218.35	74.30	46.11
Re	1700-2000	0-8	2	0	0	1147.83	215.50	73.82	45.20
Re	1700-2000	0-8	3	0	0	1119.73	210.34	71.99	44.12
Re	1700-2000	0-8	7	0	0	1135.19	213.92	72.46	44.12
Re	1700-2000	0-8	8	0	0	1132.72	211.84	70.37	44.45
Re	1700-2000	16-26	1	0	0	778.31	189.57	26.64	48.47
Re	1700-2000	16-26	2	0	0	768.27	187.55	26.30	47.68
Re	1700-2000	16-26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51
Re	1700-2000	16-26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03
Re	1700-2000	16-26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59
Re	1700-2000	8-16	1	0	0	1160.68	218.35	74.30	46.11
Re	1700-2000	8-16	2	0	0	1147.83	215.50	73.82	45.20
Re	1700-2000	8-16	3	0	0	1119.73	210.34	71.99	44.12
Re	1700-2000	8-16	7	0	0	1135.19	213.92	72.46	44.12
Re	1700-2000	8-16	8	0	0	1132.72	211.84	70.37	44.45
Re	1700-2000	GT26	1	0	0	778.31	189.57	26.64	48.47

soil	rain	slope	mosb	rccvc	rct	rtrr	eww	esah	ess	
Re	1700-2000	GT26	2		0	0	768.27	187.55	26.30	47.68
Re	1700-2000	GT26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51	
Re	1700-2000	GT26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03	
Re	1700-2000	GT26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59	
Re	LT1500	0-8	1		0	0	1160.68	218.35	74.30	46.11
Re	LT1500	0-8	2		0	0	1147.83	215.50	73.82	45.20
Re	LT1500	0-8	3		0	0	1119.73	210.34	71.99	44.12
Re	LT1500	0-8	7		0	0	1135.19	213.92	72.46	44.12
Re	LT1500	0-8	8		0	0	1132.72	211.84	70.37	44.45
Re	LT1500	16-26	1		0	0	778.31	189.57	26.64	48.47
Re	LT1500	16-26	2		0	0	768.27	187.55	26.30	47.68
Re	LT1500	16-26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51	
Re	LT1500	16-26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03	
Re	LT1500	16-26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59	
Re	LT1500	8-16	1		0	0	1160.68	218.35	74.30	46.11
Re	LT1500	8-16	2		0	0	1147.83	215.50	73.82	45.20
Re	LT1500	8-16	3		0	0	1119.73	210.34	71.99	44.12
Re	LT1500	8-16	7		0	0	1135.19	213.92	72.46	44.12
Re	LT1500	8-16	8		0	0	1132.72	211.84	70.37	44.45
Re	LT1500	GT26	1		0	0	778.31	189.57	26.64	48.47
Re	LT1500	GT26	2		0	0	768.27	187.55	26.30	47.68
Re	LT1500	GT26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51	
Re	LT1500	GT26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03	
Re	LT1500	GT26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59	
Re	GT2000	0-8	1		0	0	1160.68	218.35	74.30	46.11
Re	GT2000	0-8	2		0	0	1147.83	215.50	73.82	45.20
Re	GT2000	0-8	3		0	0	1119.73	210.34	71.99	44.12
Re	GT2000	0-8	7		0	0	1135.19	213.92	72.46	44.12
Re	GT2000	0-8	8		0	0	1132.72	211.84	70.37	44.45
Re	GT2000	16-26	1		0	0	778.31	189.57	26.64	48.47
Re	GT2000	16-26	2		0	0	768.27	187.55	26.30	47.68
Re	GT2000	16-26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51	
Re	GT2000	16-26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03	
Re	GT2000	16-26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59	
Re	GT2000	8-16	1		0	0	1160.68	218.35	74.30	46.11
Re	GT2000	8-16	2		0	0	1147.83	215.50	73.82	45.20
Re	GT2000	8-16	3		0	0	1119.73	210.34	71.99	44.12
Re	GT2000	8-16	7		0	0	1135.19	213.92	72.46	44.12
Re	GT2000	8-16	8		0	0	1132.72	211.84	70.37	44.45
Re	GT2000	GT26	1		0	0	778.31	189.57	26.64	48.47
Re	GT2000	GT26	2		0	0	768.27	187.55	26.30	47.68
Re	GT2000	GT26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51	
Re	GT2000	GT26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03	
Re	GT2000	GT26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59	
Or	1500-1700	0-8	1		0	0	1160.68	218.35	74.30	46.11
Or	1500-1700	0-8	2		0	0	1147.83	215.50	73.82	45.20
Or	1500-1700	0-8	3		0	0	1119.73	210.34	71.99	44.12
Or	1500-1700	0-8	7		0	0	1135.19	213.92	72.46	44.12
Or	1500-1700	0-8	8		0	0	1132.72	211.84	70.37	44.45

soil	rain	slope	mosb	rccvc	rct	rttr	eww	esah	ess	
Or	1500-1700	16-26	1		0	0	778.31	189.57	26.64	48.47
Or	1500-1700	16-26	2		0	0	768.27	187.55	26.30	47.68
Or	1500-1700	16-26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51	
Or	1500-1700	16-26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03	
Or	1500-1700	16-26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59	
Or	1500-1700	8-16	1		0	0	1160.68	218.35	74.30	46.11
Or	1500-1700	8-16	2		0	0	1147.83	215.50	73.82	45.20
Or	1500-1700	8-16	3		0	0	1119.73	210.34	71.99	44.12
Or	1500-1700	8-16	7		0	0	1135.19	213.92	72.46	44.12
Or	1500-1700	8-16	8		0	0	1132.72	211.84	70.37	44.45
Or	LT1500	0-8	1		0	0	1160.68	218.35	74.30	46.11
Or	LT1500	0-8	2		0	0	1147.83	215.50	73.82	45.20
Or	LT1500	0-8	3		0	0	1119.73	210.34	71.99	44.12
Or	LT1500	0-8	7		0	0	1135.19	213.92	72.46	44.12
Or	LT1500	0-8	8		0	0	1132.72	211.84	70.37	44.45
Or	LT1500	16-26	1		0	0	778.31	189.57	26.64	48.47
Or	LT1500	16-26	2		0	0	768.27	187.55	26.30	47.68
Or	LT1500	16-26	3	-0.157009346	-0.157009346	752.94	184.47	25.79	46.51	
Or	LT1500	16-26	7	-0.157009346	-0.157009346	757.75	185.18	25.88	47.03	
Or	LT1500	16-26	8	-0.157009346	-0.157009346	771.85	186.01	26.55	49.59	
Or	LT1500	8-16	1		0	0	1160.68	218.35	74.30	46.11
Or	LT1500	8-16	2		0	0	1147.83	215.50	73.82	45.20
Or	LT1500	8-16	3		0	0	1119.73	210.34	71.99	44.12
Or	LT1500	8-16	7		0	0	1135.19	213.92	72.46	44.12
Or	LT1500	8-16	8		0	0	1132.72	211.84	70.37	44.45
other	1500-1700	0-8	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41	
other	1500-1700	0-8	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43	
other	1500-1700	0-8	3	0.55625	0.55625	1915.07	370.94	126.99	66.23	
other	1500-1700	0-8	7	0.55625	0.55625	1944.29	376.24	127.72	66.23	
other	1500-1700	0-8	8	0.55625	0.55625	1869.88	383.67	104.25	82.33	
other	1500-1700	16-26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96	
other	1500-1700	16-26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27	
other	1500-1700	16-26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96	
other	1500-1700	16-26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49	
other	1500-1700	16-26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57	
other	1500-1700	8-16	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41	
other	1500-1700	8-16	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43	
other	1500-1700	8-16	3	0.55625	0.55625	1915.07	370.94	126.99	66.23	
other	1500-1700	8-16	7	0.55625	0.55625	1944.29	376.24	127.72	66.23	
other	1500-1700	8-16	8	0.55625	0.55625	1869.88	383.67	104.25	82.33	
other	1500-1700	GT26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96	
other	1500-1700	GT26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27	
other	1500-1700	GT26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96	
other	1500-1700	GT26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49	
other	1500-1700	GT26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57	
other	1700-2000	0-8	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41	
other	1700-2000	0-8	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43	
other	1700-2000	0-8	3	0.55625	0.55625	1915.07	370.94	126.99	66.23	
other	1700-2000	0-8	7	0.55625	0.55625	1944.29	376.24	127.72	66.23	

soil	rain	slope	mosb	rccvc	rct	rttr	eww	esah	ess
other	1700-2000	0-8	8	0.55625	0.55625	1869.88	383.67	104.25	82.33
other	1700-2000	16-26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96
other	1700-2000	16-26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27
other	1700-2000	16-26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96
other	1700-2000	16-26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49
other	1700-2000	16-26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57
other	1700-2000	8-16	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41
other	1700-2000	8-16	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43
other	1700-2000	8-16	3	0.55625	0.55625	1915.07	370.94	126.99	66.23
other	1700-2000	8-16	7	0.55625	0.55625	1944.29	376.24	127.72	66.23
other	1700-2000	8-16	8	0.55625	0.55625	1869.88	383.67	104.25	82.33
other	1700-2000	GT26	1	0.091588785	0.091588785	1013.89	246.69	34.34	50.96
other	1700-2000	GT26	2	0.091588785	0.091588785	993.48	241.60	33.47	49.27
other	1700-2000	GT26	3	0.117757009	0.117757009	956.66	234.46	33.64	48.96
other	1700-2000	GT26	7	0.117757009	0.117757009	976.95	238.97	34.44	50.49
other	1700-2000	GT26	8	0.117757009	0.117757009	992.05	238.84	35.47	54.57
other	LT1500	0-8	1	-0.146875	-0.146875	1976.14	384.07	129.16	70.41
other	LT1500	0-8	2	-0.146875	-0.146875	1947.66	377.77	128.12	68.43
other	LT1500	0-8	3	0.55625	0.55625	1915.07	370.94	126.99	66.23
other	LT1500	0-8	7	0.55625	0.55625	1944.29	376.24	127.72	66.23
other	LT1500	0-8	8	0.55625	0.55625	1869.88	383.67	104.25	82.33
other	GT2000	0-8	1	0.234375	0.234375	2083.99	405.41	136.28	71.55
other	GT2000	0-8	2	0.234375	0.234375	2072.62	403.63	135.98	70.95
other	GT2000	0-8	3	-0.09375	-0.09375	2052.18	400.01	135.26	68.93
other	GT2000	0-8	7	-0.09375	-0.09375	2082.90	404.98	135.93	68.93
other	GT2000	0-8	8	-0.09375	-0.09375	1987.11	406.08	112.41	81.93
other	GT2000	16-26	1	0.091588785	0.091588785	1146.33	284.99	37.85	51.84
other	GT2000	16-26	2	0.091588785	0.091588785	1133.57	281.82	37.58	51.84
other	GT2000	16-26	3	0.117757009	0.117757009	1119.33	278.95	38.23	52.51
other	GT2000	16-26	7	0.117757009	0.117757009	1131.43	281.48	38.67	53.36
other	GT2000	16-26	8	0.117757009	0.117757009	1165.18	283.91	40.28	58.99
other	GT2000	8-16	1	0.234375	0.234375	2083.99	405.41	136.28	71.55
other	GT2000	8-16	2	0.234375	0.234375	2072.62	403.63	135.98	70.95
other	GT2000	8-16	3	-0.09375	-0.09375	2052.18	400.01	135.26	68.93
other	GT2000	8-16	7	-0.09375	-0.09375	2082.90	404.98	135.93	68.93
other	GT2000	8-16	8	-0.09375	-0.09375	1987.11	406.08	112.41	81.93

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl
AI	1500-1700	0-8	1	44.35	44.49		10.6	15.9375	0 202.25
AI	1500-1700	0-8	2	44.35	44.49		10.6	15.9375	0 199.63
AI	1500-1700	0-8	3	34.45	11.05		10.6	0	0 195.52
AI	1500-1700	0-8	7	34.45	11.05		10.6	0	28.36875 197.60
AI	1500-1700	0-8	8	34.45	11.05		10.6	0	29.240625 198.38
AI	1500-1700	16-26	1	17.50	23.57		0	9.437383178	0 140.42
AI	1500-1700	16-26	2	17.50	23.57		0	9.437383178	0 139.20
AI	1500-1700	16-26	3	24.56	3.77		0	0	0 138.01
AI	1500-1700	16-26	7	24.56	3.77		0	0	26.73831776 139.62
AI	1500-1700	8-16	1	44.35	44.49		10.6	15.9375	0 202.25
AI	1500-1700	8-16	2	44.35	44.49		10.6	15.9375	0 199.63
AI	1500-1700	8-16	3	34.45	11.05		10.6	0	0 195.52
AI	1500-1700	8-16	7	34.45	11.05		10.6	0	28.36875 197.60
AI	1500-1700	8-16	8	34.45	11.05		10.6	0	29.240625 198.38
AI	1500-1700	GT26	1	17.50	23.57		0	9.437383178	0 140.42
AI	1500-1700	GT26	2	17.50	23.57		0	9.437383178	0 139.20
AI	1500-1700	GT26	3	24.56	3.77		0	0	0 138.01
AI	1500-1700	GT26	7	24.56	3.77		0	0	26.73831776 139.62
AI	1700-2000	0-8	1	44.35	44.49		10.6	15.9375	0 202.25
AI	1700-2000	0-8	2	44.35	44.49		10.6	15.9375	0 199.63
AI	1700-2000	0-8	3	34.45	11.05		10.6	0	0 195.52
AI	1700-2000	0-8	7	34.45	11.05		10.6	0	28.36875 197.60
AI	1700-2000	0-8	8	34.45	11.05		10.6	0	29.240625 198.38
AI	1700-2000	16-26	1	17.50	23.57		0	9.437383178	0 140.42
AI	1700-2000	16-26	2	17.50	23.57		0	9.437383178	0 139.20
AI	1700-2000	16-26	3	24.56	3.77		0	0	0 138.01
AI	1700-2000	16-26	7	24.56	3.77		0	0	26.73831776 139.62
AI	1700-2000	8-16	1	44.35	44.49		10.6	15.9375	0 202.25
AI	1700-2000	8-16	2	44.35	44.49		10.6	15.9375	0 199.63
AI	1700-2000	8-16	3	34.45	11.05		10.6	0	0 195.52
AI	1700-2000	8-16	7	34.45	11.05		10.6	0	28.36875 197.60
AI	1700-2000	8-16	8	34.45	11.05		10.6	0	29.240625 198.38
AI	1700-2000	GT26	1	17.50	23.57		0	9.437383178	0 140.42
AI	1700-2000	GT26	2	17.50	23.57		0	9.437383178	0 139.20
AI	1700-2000	GT26	3	24.56	3.77		0	0	0 138.01
AI	1700-2000	GT26	7	24.56	3.77		0	0	26.73831776 139.62
AI	LT1500	0-8	1	44.35	44.49		10.6	15.9375	0 202.25
AI	LT1500	0-8	2	44.35	44.49		10.6	15.9375	0 199.63
AI	LT1500	0-8	3	34.45	11.05		10.6	0	0 195.52
AI	LT1500	0-8	7	34.45	11.05		10.6	0	28.36875 197.60
AI	LT1500	0-8	8	34.45	11.05		10.6	0	29.240625 198.38
AI	LT1500	16-26	1	17.50	23.57		0	9.437383178	0 140.42
AI	LT1500	16-26	2	17.50	23.57		0	9.437383178	0 139.20
AI	LT1500	16-26	3	24.56	3.77		0	0	0 138.01
AI	LT1500	16-26	7	24.56	3.77		0	0	26.73831776 139.62
AI	LT1500	8-16	1	44.35	44.49		10.6	15.9375	0 202.25
AI	LT1500	8-16	2	44.35	44.49		10.6	15.9375	0 199.63
AI	LT1500	8-16	3	34.45	11.05		10.6	0	0 195.52
AI	LT1500	8-16	7	34.45	11.05		10.6	0	28.36875 197.60

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl	
Al	LT1500	8-16	8	34.45	11.05		10.6	0	29.240625	198.38
Al	LT1500	GT26	1	17.50	23.57		0	9.437383178	0	140.42
Al	LT1500	GT26	2	17.50	23.57		0	9.437383178	0	139.20
Al	LT1500	GT26	3	24.56	3.77		0	0	0	138.01
Al	LT1500	GT26	7	24.56	3.77		0	0	26.73831776	139.62
Al	GT2000	0-8	1	44.35	44.49		10.6	15.9375	0	202.25
Al	GT2000	0-8	2	44.35	44.49		10.6	15.9375	0	199.63
Al	GT2000	0-8	3	34.45	11.05		10.6	0	0	195.52
Al	GT2000	0-8	7	34.45	11.05		10.6	0	28.36875	197.60
Al	GT2000	0-8	8	34.45	11.05		10.6	0	29.240625	198.38
Al	GT2000	16-26	1	17.50	23.57		0	9.437383178	0	140.42
Al	GT2000	16-26	2	17.50	23.57		0	9.437383178	0	139.20
Al	GT2000	16-26	3	24.56	3.77		0	0	0	138.01
Al	GT2000	16-26	7	24.56	3.77		0	0	26.73831776	139.62
Al	GT2000	8-16	1	44.35	44.49		10.6	15.9375	0	202.25
Al	GT2000	8-16	2	44.35	44.49		10.6	15.9375	0	199.63
Al	GT2000	8-16	3	34.45	11.05		10.6	0	0	195.52
Al	GT2000	8-16	7	34.45	11.05		10.6	0	28.36875	197.60
Al	GT2000	8-16	8	34.45	11.05		10.6	0	29.240625	198.38
Al	GT2000	GT26	1	17.50	23.57		0	9.437383178	0	140.42
Al	GT2000	GT26	2	17.50	23.57		0	9.437383178	0	139.20
Al	GT2000	GT26	3	24.56	3.77		0	0	0	138.01
Al	GT2000	GT26	7	24.56	3.77		0	0	26.73831776	139.62
Po	1500-1700	0-8	1	131.49	44.49	14.75625		15.9375	0	272.28
Po	1500-1700	0-8	2	131.49	44.49	14.75625		15.9375	0	267.82
Po	1500-1700	0-8	3	140.79	11.05	14.75625		0	0	262.98
Po	1500-1700	0-8	7	140.79	11.05	14.75625		0	32.06875	266.73
Po	1500-1700	0-8	8	140.79	11.05	14.75625		0	39.753125	272.00
Po	1500-1700	16-26	1	48.01	32.01	0	13.45794393		0	142.82
Po	1500-1700	16-26	2	48.01	32.01	0	13.45794393		0	139.87
Po	1500-1700	16-26	3	58.12	3.77	0	0		0	135.74
Po	1500-1700	16-26	7	58.12	3.77	0	0	23.31588785		138.35
Po	1500-1700	16-26	8	58.12	3.77	0	0	25.17757009		138.27
Po	1500-1700	8-16	1	131.49	44.49	14.75625		15.9375	0	272.28
Po	1500-1700	8-16	2	131.49	44.49	14.75625		15.9375	0	267.82
Po	1500-1700	8-16	3	140.79	11.05	14.75625		0	0	262.98
Po	1500-1700	8-16	7	140.79	11.05	14.75625		0	32.06875	266.73
Po	1500-1700	8-16	8	140.79	11.05	14.75625		0	39.753125	272.00
Po	1500-1700	GT26	1	48.01	32.01	0	13.45794393		0	142.82
Po	1500-1700	GT26	2	48.01	32.01	0	13.45794393		0	139.87
Po	1500-1700	GT26	3	58.12	3.77	0	0		0	135.74
Po	1500-1700	GT26	7	58.12	3.77	0	0	23.31588785		138.35
Po	1500-1700	GT26	8	58.12	3.77	0	0	25.17757009		138.27
Po	1700-2000	0-8	1	131.49	44.49	14.75625		15.9375	0	272.28
Po	1700-2000	0-8	2	131.49	44.49	14.75625		15.9375	0	267.82
Po	1700-2000	0-8	3	140.79	11.05	14.75625		0	0	262.98
Po	1700-2000	0-8	7	140.79	11.05	14.75625		0	32.06875	266.73
Po	1700-2000	0-8	8	140.79	11.05	14.75625		0	39.753125	272.00
Po	1700-2000	16-26	1	48.01	32.01	0	13.45794393		0	142.82

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl	
Po	1700-2000	16-26	2	48.01	32.01		0	13.45794393	0	139.87
Po	1700-2000	16-26	3	58.12	3.77		0	0	0	135.74
Po	1700-2000	16-26	7	58.12	3.77		0	0	23.31588785	138.35
Po	1700-2000	16-26	8	58.12	3.77		0	0	25.17757009	138.27
Po	1700-2000	8-16	1	131.49	44.49	14.75625		15.9375	0	272.28
Po	1700-2000	8-16	2	131.49	44.49	14.75625		15.9375	0	267.82
Po	1700-2000	8-16	3	140.79	11.05	14.75625		0	0	262.98
Po	1700-2000	8-16	7	140.79	11.05	14.75625		0	32.06875	266.73
Po	1700-2000	8-16	8	140.79	11.05	14.75625		0	39.753125	272.00
Po	1700-2000	GT26	1	48.01	32.01		0	13.45794393	0	142.82
Po	1700-2000	GT26	2	48.01	32.01		0	13.45794393	0	139.87
Po	1700-2000	GT26	3	58.12	3.77		0	0	0	135.74
Po	1700-2000	GT26	7	58.12	3.77		0	0	23.31588785	138.35
Po	1700-2000	GT26	8	58.12	3.77		0	0	25.17757009	138.27
Po	GT2000	0-8	1	197.35	44.49	15.378125		15.9375	0	287.42
Po	GT2000	0-8	2	197.35	44.49	15.378125		15.9375	0	286.16
Po	GT2000	0-8	3	209.31	11.05	15.378125		0	0	283.59
Po	GT2000	0-8	7	209.31	11.05	15.378125		0	34.775	287.11
Po	GT2000	0-8	8	209.31	11.05	15.378125		0	41.396875	287.88
Po	GT2000	16-26	1	48.01	32.01		0	13.45794393	0	164.99
Po	GT2000	16-26	2	48.01	32.01		0	13.45794393	0	163.16
Po	GT2000	16-26	3	58.12	3.77		0	0	0	161.50
Po	GT2000	16-26	7	58.12	3.77		0	0	24.71028037	162.96
Po	GT2000	16-26	8	58.12	3.77		0	0	27.29906542	164.37
Po	GT2000	8-16	1	197.35	44.49	15.378125		15.9375	0	287.42
Po	GT2000	8-16	2	197.35	44.49	15.378125		15.9375	0	286.16
Po	GT2000	8-16	3	209.31	11.05	15.378125		0	0	283.59
Po	GT2000	8-16	7	209.31	11.05	15.378125		0	34.775	287.11
Po	GT2000	8-16	8	209.31	11.05	15.378125		0	41.396875	287.88
Po	GT2000	GT26	1	48.01	32.01		0	13.45794393	0	164.99
Po	GT2000	GT26	2	48.01	32.01		0	13.45794393	0	163.16
Po	GT2000	GT26	3	58.12	3.77		0	0	0	161.50
Po	GT2000	GT26	7	58.12	3.77		0	0	24.71028037	162.96
Po	GT2000	GT26	8	58.12	3.77		0	0	27.29906542	164.37
Po	GT2000	other	1	48.01	32.01		0	13.45794393	0	164.99
Po	GT2000	other	2	48.01	32.01		0	13.45794393	0	163.16
Po	GT2000	other	3	58.12	3.77		0	0	0	161.50
Po	GT2000	other	7	58.12	3.77		0	0	24.71028037	162.96
Po	GT2000	other	8	58.12	3.77		0	0	27.29906542	164.37
Pu	1500-1700	0-8	1	35.60	44.49		10.6	15.9375	0	245.28
Pu	1500-1700	0-8	2	35.60	44.49		10.6	15.9375	0	241.92
Pu	1500-1700	0-8	3	35.60	11.05		10.6	0	0	236.75
Pu	1500-1700	0-8	7	35.60	11.05		10.6	0	33.8	238.00
Pu	1500-1700	0-8	8	35.60	11.05		10.6	0	34.7875	239.89
Pu	1500-1700	16-26	1	17.50	23.57		0	9.437383178	0	146.38
Pu	1500-1700	16-26	2	17.50	23.57		0	9.437383178	0	145.13
Pu	1500-1700	16-26	3	24.56	3.77		0	0	0	144.73
Pu	1500-1700	16-26	7	24.56	3.77		0	0	27.56448598	146.38
Pu	1500-1700	8-16	1	35.60	44.49		10.6	15.9375	0	245.28

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl
Pu	1500-1700	8-16	2	35.60	44.49		10.6	15.9375	0 241.92
Pu	1500-1700	8-16	3	35.60	11.05		10.6	0	0 236.75
Pu	1500-1700	8-16	7	35.60	11.05		10.6	0	33.8 238.00
Pu	1500-1700	8-16	8	35.60	11.05		10.6	0	34.7875 239.89
Pu	1500-1700	GT26	1	17.50	23.57		0	9.437383178	0 146.38
Pu	1500-1700	GT26	2	17.50	23.57		0	9.437383178	0 145.13
Pu	1500-1700	GT26	3	24.56	3.77		0	0	0 144.73
Pu	1500-1700	GT26	7	24.56	3.77		0	0	27.56448598 146.38
Pu	1700-2000	0-8	1	35.60	44.49		10.6	15.9375	0 245.28
Pu	1700-2000	0-8	2	35.60	44.49		10.6	15.9375	0 241.92
Pu	1700-2000	0-8	3	35.60	11.05		10.6	0	0 236.75
Pu	1700-2000	0-8	7	35.60	11.05		10.6	0	33.8 238.00
Pu	1700-2000	0-8	8	35.60	11.05		10.6	0	34.7875 239.89
Pu	1700-2000	16-26	1	17.50	23.57		0	9.437383178	0 146.38
Pu	1700-2000	16-26	2	17.50	23.57		0	9.437383178	0 145.13
Pu	1700-2000	16-26	3	24.56	3.77		0	0	0 144.73
Pu	1700-2000	16-26	7	24.56	3.77		0	0	27.56448598 146.38
Pu	1700-2000	8-16	1	35.60	44.49		10.6	15.9375	0 245.28
Pu	1700-2000	8-16	2	35.60	44.49		10.6	15.9375	0 241.92
Pu	1700-2000	8-16	3	35.60	11.05		10.6	0	0 236.75
Pu	1700-2000	8-16	7	35.60	11.05		10.6	0	33.8 238.00
Pu	1700-2000	8-16	8	35.60	11.05		10.6	0	34.7875 239.89
Pu	1700-2000	GT26	1	17.50	23.57		0	9.437383178	0 146.38
Pu	1700-2000	GT26	2	17.50	23.57		0	9.437383178	0 145.13
Pu	1700-2000	GT26	3	24.56	3.77		0	0	0 144.73
Pu	1700-2000	GT26	7	24.56	3.77		0	0	27.56448598 146.38
Pu	LT1500	0-8	1	35.60	44.49		10.6	15.9375	0 245.28
Pu	LT1500	0-8	2	35.60	44.49		10.6	15.9375	0 241.92
Pu	LT1500	0-8	3	35.60	11.05		10.6	0	0 236.75
Pu	LT1500	0-8	7	35.60	11.05		10.6	0	33.8 238.00
Pu	LT1500	0-8	8	35.60	11.05		10.6	0	34.7875 239.89
Pu	LT1500	16-26	1	17.50	23.57		0	9.437383178	0 146.38
Pu	LT1500	16-26	2	17.50	23.57		0	9.437383178	0 145.13
Pu	LT1500	16-26	3	24.56	3.77		0	0	0 144.73
Pu	LT1500	16-26	7	24.56	3.77		0	0	27.56448598 146.38
Pu	LT1500	8-16	1	35.60	44.49		10.6	15.9375	0 245.28
Pu	LT1500	8-16	2	35.60	44.49		10.6	15.9375	0 241.92
Pu	LT1500	8-16	3	35.60	11.05		10.6	0	0 236.75
Pu	LT1500	8-16	7	35.60	11.05		10.6	0	33.8 238.00
Pu	LT1500	8-16	8	35.60	11.05		10.6	0	34.7875 239.89
Pu	LT1500	GT26	1	17.50	23.57		0	9.437383178	0 146.38
Pu	LT1500	GT26	2	17.50	23.57		0	9.437383178	0 145.13
Pu	LT1500	GT26	3	24.56	3.77		0	0	0 144.73
Pu	LT1500	GT26	7	24.56	3.77		0	0	27.56448598 146.38
Pu	GT2000	0-8	1	35.60	44.49		10.6	15.9375	0 245.28
Pu	GT2000	0-8	2	35.60	44.49		10.6	15.9375	0 241.92
Pu	GT2000	0-8	3	35.60	11.05		10.6	0	0 236.75
Pu	GT2000	0-8	7	35.60	11.05		10.6	0	33.8 238.00
Pu	GT2000	0-8	8	35.60	11.05		10.6	0	34.7875 239.89

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl
Pu	GT2000	16-26	1	17.50	23.57		0	9.437383178	0 146.38
Pu	GT2000	16-26	2	17.50	23.57		0	9.437383178	0 145.13
Pu	GT2000	16-26	3	24.56	3.77		0	0	0 144.73
Pu	GT2000	16-26	7	24.56	3.77		0	0	27.56448598 146.38
Pu	GT2000	8-16	1	35.60	44.49		10.6	15.9375	0 245.28
Pu	GT2000	8-16	2	35.60	44.49		10.6	15.9375	0 241.92
Pu	GT2000	8-16	3	35.60	11.05		10.6	0	0 236.75
Pu	GT2000	8-16	7	35.60	11.05		10.6	0	33.8 238.00
Pu	GT2000	8-16	8	35.60	11.05		10.6	0	34.7875 239.89
Pu	GT2000	GT26	1	17.50	23.57		0	9.437383178	0 146.38
Pu	GT2000	GT26	2	17.50	23.57		0	9.437383178	0 145.13
Pu	GT2000	GT26	3	24.56	3.77		0	0	0 144.73
Pu	GT2000	GT26	7	24.56	3.77		0	0	27.56448598 146.38
Re	1500-1700	0-8	1	22.47	44.49		8.10625	15.9375	0 154.80
Re	1500-1700	0-8	2	22.47	44.49		8.10625	15.9375	0 152.78
Re	1500-1700	0-8	3	34.45	11.05		8.10625	0	0 149.12
Re	1500-1700	0-8	7	34.45	11.05		8.10625	0	21.284375 151.65
Re	1500-1700	0-8	8	34.45	11.05		8.10625	0	21.5375 150.18
Re	1500-1700	16-26	1	17.50	23.57		0	9.437383178	0 109.75
Re	1500-1700	16-26	2	17.50	23.57		0	9.437383178	0 108.58
Re	1500-1700	16-26	3	24.56	3.77		0	0	0 106.80
Re	1500-1700	16-26	7	24.56	3.77		0	0	18.97757009 107.21
Re	1500-1700	16-26	8	24.56	3.77		0	0	20.15327103 107.69
Re	1500-1700	8-16	1	22.47	44.49		8.10625	15.9375	0 154.80
Re	1500-1700	8-16	2	22.47	44.49		8.10625	15.9375	0 152.78
Re	1500-1700	8-16	3	34.45	11.05		8.10625	0	0 149.12
Re	1500-1700	8-16	7	34.45	11.05		8.10625	0	21.284375 151.65
Re	1500-1700	8-16	8	34.45	11.05		8.10625	0	21.5375 150.18
Re	1500-1700	GT26	1	17.50	23.57		0	9.437383178	0 109.75
Re	1500-1700	GT26	2	17.50	23.57		0	9.437383178	0 108.58
Re	1500-1700	GT26	3	24.56	3.77		0	0	0 106.80
Re	1500-1700	GT26	7	24.56	3.77		0	0	18.97757009 107.21
Re	1500-1700	GT26	8	24.56	3.77		0	0	20.15327103 107.69
Re	1700-2000	0-8	1	22.47	44.49		8.10625	15.9375	0 154.80
Re	1700-2000	0-8	2	22.47	44.49		8.10625	15.9375	0 152.78
Re	1700-2000	0-8	3	34.45	11.05		8.10625	0	0 149.12
Re	1700-2000	0-8	7	34.45	11.05		8.10625	0	21.284375 151.65
Re	1700-2000	0-8	8	34.45	11.05		8.10625	0	21.5375 150.18
Re	1700-2000	16-26	1	17.50	23.57		0	9.437383178	0 109.75
Re	1700-2000	16-26	2	17.50	23.57		0	9.437383178	0 108.58
Re	1700-2000	16-26	3	24.56	3.77		0	0	0 106.80
Re	1700-2000	16-26	7	24.56	3.77		0	0	18.97757009 107.21
Re	1700-2000	16-26	8	24.56	3.77		0	0	20.15327103 107.69
Re	1700-2000	8-16	1	22.47	44.49		8.10625	15.9375	0 154.80
Re	1700-2000	8-16	2	22.47	44.49		8.10625	15.9375	0 152.78
Re	1700-2000	8-16	3	34.45	11.05		8.10625	0	0 149.12
Re	1700-2000	8-16	7	34.45	11.05		8.10625	0	21.284375 151.65
Re	1700-2000	8-16	8	34.45	11.05		8.10625	0	21.5375 150.18
Re	1700-2000	GT26	1	17.50	23.57		0	9.437383178	0 109.75

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl	
Re	1700-2000	GT26	2	17.50	23.57		0	9.437383178	0	108.58
Re	1700-2000	GT26	3	24.56	3.77		0	0	0	106.80
Re	1700-2000	GT26	7	24.56	3.77		0	0	18.97757009	107.21
Re	1700-2000	GT26	8	24.56	3.77		0	0	20.15327103	107.69
Re	LT1500	0-8	1	22.47	44.49	8.10625		15.9375	0	154.80
Re	LT1500	0-8	2	22.47	44.49	8.10625		15.9375	0	152.78
Re	LT1500	0-8	3	34.45	11.05	8.10625		0	0	149.12
Re	LT1500	0-8	7	34.45	11.05	8.10625		0	21.284375	151.65
Re	LT1500	0-8	8	34.45	11.05	8.10625		0	21.5375	150.18
Re	LT1500	16-26	1	17.50	23.57		0	9.437383178	0	109.75
Re	LT1500	16-26	2	17.50	23.57		0	9.437383178	0	108.58
Re	LT1500	16-26	3	24.56	3.77		0	0	0	106.80
Re	LT1500	16-26	7	24.56	3.77		0	0	18.97757009	107.21
Re	LT1500	16-26	8	24.56	3.77		0	0	20.15327103	107.69
Re	LT1500	8-16	1	22.47	44.49	8.10625		15.9375	0	154.80
Re	LT1500	8-16	2	22.47	44.49	8.10625		15.9375	0	152.78
Re	LT1500	8-16	3	34.45	11.05	8.10625		0	0	149.12
Re	LT1500	8-16	7	34.45	11.05	8.10625		0	21.284375	151.65
Re	LT1500	8-16	8	34.45	11.05	8.10625		0	21.5375	150.18
Re	LT1500	GT26	1	17.50	23.57		0	9.437383178	0	109.75
Re	LT1500	GT26	2	17.50	23.57		0	9.437383178	0	108.58
Re	LT1500	GT26	3	24.56	3.77		0	0	0	106.80
Re	LT1500	GT26	7	24.56	3.77		0	0	18.97757009	107.21
Re	LT1500	GT26	8	24.56	3.77		0	0	20.15327103	107.69
Re	GT2000	0-8	1	22.47	44.49	8.10625		15.9375	0	154.80
Re	GT2000	0-8	2	22.47	44.49	8.10625		15.9375	0	152.78
Re	GT2000	0-8	3	34.45	11.05	8.10625		0	0	149.12
Re	GT2000	0-8	7	34.45	11.05	8.10625		0	21.284375	151.65
Re	GT2000	0-8	8	34.45	11.05	8.10625		0	21.5375	150.18
Re	GT2000	16-26	1	17.50	23.57		0	9.437383178	0	109.75
Re	GT2000	16-26	2	17.50	23.57		0	9.437383178	0	108.58
Re	GT2000	16-26	3	24.56	3.77		0	0	0	106.80
Re	GT2000	16-26	7	24.56	3.77		0	0	18.97757009	107.21
Re	GT2000	16-26	8	24.56	3.77		0	0	20.15327103	107.69
Re	GT2000	8-16	1	22.47	44.49	8.10625		15.9375	0	154.80
Re	GT2000	8-16	2	22.47	44.49	8.10625		15.9375	0	152.78
Re	GT2000	8-16	3	34.45	11.05	8.10625		0	0	149.12
Re	GT2000	8-16	7	34.45	11.05	8.10625		0	21.284375	151.65
Re	GT2000	8-16	8	34.45	11.05	8.10625		0	21.5375	150.18
Re	GT2000	GT26	1	17.50	23.57		0	9.437383178	0	109.75
Re	GT2000	GT26	2	17.50	23.57		0	9.437383178	0	108.58
Re	GT2000	GT26	3	24.56	3.77		0	0	0	106.80
Re	GT2000	GT26	7	24.56	3.77		0	0	18.97757009	107.21
Re	GT2000	GT26	8	24.56	3.77		0	0	20.15327103	107.69
Or	1500-1700	0-8	1	22.47	44.49	8.10625		15.9375	0	154.80
Or	1500-1700	0-8	2	22.47	44.49	8.10625		15.9375	0	152.78
Or	1500-1700	0-8	3	34.45	11.05	8.10625		0	0	149.12
Or	1500-1700	0-8	7	34.45	11.05	8.10625		0	21.284375	151.65
Or	1500-1700	0-8	8	34.45	11.05	8.10625		0	21.5375	150.18

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl	
Or	1500-1700	16-26	1	17.50	23.57		0	9.437383178	0	109.75
Or	1500-1700	16-26	2	17.50	23.57		0	9.437383178	0	108.58
Or	1500-1700	16-26	3	24.56	3.77		0	0	0	106.80
Or	1500-1700	16-26	7	24.56	3.77		0	0	18.97757009	107.21
Or	1500-1700	16-26	8	24.56	3.77		0	0	20.15327103	107.69
Or	1500-1700	8-16	1	22.47	44.49	8.10625		15.9375	0	154.80
Or	1500-1700	8-16	2	22.47	44.49	8.10625		15.9375	0	152.78
Or	1500-1700	8-16	3	34.45	11.05	8.10625		0	0	149.12
Or	1500-1700	8-16	7	34.45	11.05	8.10625		0	21.284375	151.65
Or	1500-1700	8-16	8	34.45	11.05	8.10625		0	21.5375	150.18
Or	LT1500	0-8	1	22.47	44.49	8.10625		15.9375	0	154.80
Or	LT1500	0-8	2	22.47	44.49	8.10625		15.9375	0	152.78
Or	LT1500	0-8	3	34.45	11.05	8.10625		0	0	149.12
Or	LT1500	0-8	7	34.45	11.05	8.10625		0	21.284375	151.65
Or	LT1500	0-8	8	34.45	11.05	8.10625		0	21.5375	150.18
Or	LT1500	16-26	1	17.50	23.57		0	9.437383178	0	109.75
Or	LT1500	16-26	2	17.50	23.57		0	9.437383178	0	108.58
Or	LT1500	16-26	3	24.56	3.77		0	0	0	106.80
Or	LT1500	16-26	7	24.56	3.77		0	0	18.97757009	107.21
Or	LT1500	16-26	8	24.56	3.77		0	0	20.15327103	107.69
Or	LT1500	8-16	1	22.47	44.49	8.10625		15.9375	0	154.80
Or	LT1500	8-16	2	22.47	44.49	8.10625		15.9375	0	152.78
Or	LT1500	8-16	3	34.45	11.05	8.10625		0	0	149.12
Or	LT1500	8-16	7	34.45	11.05	8.10625		0	21.284375	151.65
Or	LT1500	8-16	8	34.45	11.05	8.10625		0	21.5375	150.18
other	1500-1700	0-8	1	131.49	44.49	14.75625		15.9375	0	272.28
other	1500-1700	0-8	2	131.49	44.49	14.75625		15.9375	0	267.82
other	1500-1700	0-8	3	140.79	11.05	14.75625		0	0	262.98
other	1500-1700	0-8	7	140.79	11.05	14.75625		0	32.06875	266.73
other	1500-1700	0-8	8	140.79	11.05	14.75625		0	39.753125	272.00
other	1500-1700	16-26	1	48.01	32.01		0	13.45794393	0	142.82
other	1500-1700	16-26	2	48.01	32.01		0	13.45794393	0	139.87
other	1500-1700	16-26	3	58.12	3.77		0	0	0	135.74
other	1500-1700	16-26	7	58.12	3.77		0	0	23.31588785	138.35
other	1500-1700	16-26	8	58.12	3.77		0	0	25.17757009	138.27
other	1500-1700	8-16	1	131.49	44.49	14.75625		15.9375	0	272.28
other	1500-1700	8-16	2	131.49	44.49	14.75625		15.9375	0	267.82
other	1500-1700	8-16	3	140.79	11.05	14.75625		0	0	262.98
other	1500-1700	8-16	7	140.79	11.05	14.75625		0	32.06875	266.73
other	1500-1700	8-16	8	140.79	11.05	14.75625		0	39.753125	272.00
other	1500-1700	GT26	1	48.01	32.01		0	13.45794393	0	142.82
other	1500-1700	GT26	2	48.01	32.01		0	13.45794393	0	139.87
other	1500-1700	GT26	3	58.12	3.77		0	0	0	135.74
other	1500-1700	GT26	7	58.12	3.77		0	0	23.31588785	138.35
other	1500-1700	GT26	8	58.12	3.77		0	0	25.17757009	138.27
other	1700-2000	0-8	1	131.49	44.49	14.75625		15.9375	0	272.28
other	1700-2000	0-8	2	131.49	44.49	14.75625		15.9375	0	267.82
other	1700-2000	0-8	3	140.79	11.05	14.75625		0	0	262.98
other	1700-2000	0-8	7	140.79	11.05	14.75625		0	32.06875	266.73

soil	rain	slope	mosb	efc	effc	efpf	efr	efg	effnl
other	1700-2000	0-8	8	140.79	11.05	14.75625	0	39.753125	272.00
other	1700-2000	16-26	1	48.01	32.01	0	13.45794393	0	142.82
other	1700-2000	16-26	2	48.01	32.01	0	13.45794393	0	139.87
other	1700-2000	16-26	3	58.12	3.77	0	0	0	135.74
other	1700-2000	16-26	7	58.12	3.77	0	0	23.31588785	138.35
other	1700-2000	16-26	8	58.12	3.77	0	0	25.17757009	138.27
other	1700-2000	8-16	1	131.49	44.49	14.75625	15.9375	0	272.28
other	1700-2000	8-16	2	131.49	44.49	14.75625	15.9375	0	267.82
other	1700-2000	8-16	3	140.79	11.05	14.75625	0	0	262.98
other	1700-2000	8-16	7	140.79	11.05	14.75625	0	32.06875	266.73
other	1700-2000	8-16	8	140.79	11.05	14.75625	0	39.753125	272.00
other	1700-2000	GT26	1	48.01	32.01	0	13.45794393	0	142.82
other	1700-2000	GT26	2	48.01	32.01	0	13.45794393	0	139.87
other	1700-2000	GT26	3	58.12	3.77	0	0	0	135.74
other	1700-2000	GT26	7	58.12	3.77	0	0	23.31588785	138.35
other	1700-2000	GT26	8	58.12	3.77	0	0	25.17757009	138.27
other	LT1500	0-8	1	131.49	44.49	14.75625	15.9375	0	272.28
other	LT1500	0-8	2	131.49	44.49	14.75625	15.9375	0	267.82
other	LT1500	0-8	3	140.79	11.05	14.75625	0	0	262.98
other	LT1500	0-8	7	140.79	11.05	14.75625	0	32.06875	266.73
other	LT1500	0-8	8	140.79	11.05	14.75625	0	39.753125	272.00
other	GT2000	0-8	1	197.35	44.49	15.378125	15.9375	0	287.42
other	GT2000	0-8	2	197.35	44.49	15.378125	15.9375	0	286.16
other	GT2000	0-8	3	209.31	11.05	15.378125	0	0	283.59
other	GT2000	0-8	7	209.31	11.05	15.378125	0	34.775	287.11
other	GT2000	0-8	8	209.31	11.05	15.378125	0	41.396875	287.88
other	GT2000	16-26	1	48.01	32.01	0	13.45794393	0	164.99
other	GT2000	16-26	2	48.01	32.01	0	13.45794393	0	163.16
other	GT2000	16-26	3	58.12	3.77	0	0	0	161.50
other	GT2000	16-26	7	58.12	3.77	0	0	24.71028037	162.96
other	GT2000	16-26	8	58.12	3.77	0	0	27.29906542	164.37
other	GT2000	8-16	1	197.35	44.49	15.378125	15.9375	0	287.42
other	GT2000	8-16	2	197.35	44.49	15.378125	15.9375	0	286.16
other	GT2000	8-16	3	209.31	11.05	15.378125	0	0	283.59
other	GT2000	8-16	7	209.31	11.05	15.378125	0	34.775	287.11
other	GT2000	8-16	8	209.31	11.05	15.378125	0	41.396875	287.88

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eoee	eoee
AI	1500-1700	0-8	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
AI	1500-1700	0-8	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
AI	1500-1700	0-8	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
AI	1500-1700	0-8	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80
AI	1500-1700	0-8	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
AI	1500-1700	16-26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
AI	1500-1700	16-26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
AI	1500-1700	16-26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
AI	1500-1700	16-26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
AI	1500-1700	8-16	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
AI	1500-1700	8-16	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
AI	1500-1700	8-16	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
AI	1500-1700	8-16	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80
AI	1500-1700	8-16	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
AI	1500-1700	GT26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
AI	1500-1700	GT26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
AI	1500-1700	GT26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
AI	1500-1700	GT26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
AI	1700-2000	0-8	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
AI	1700-2000	0-8	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
AI	1700-2000	0-8	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
AI	1700-2000	0-8	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80
AI	1700-2000	0-8	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
AI	1700-2000	16-26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
AI	1700-2000	16-26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
AI	1700-2000	16-26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
AI	1700-2000	16-26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
AI	1700-2000	8-16	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
AI	1700-2000	8-16	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
AI	1700-2000	8-16	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
AI	1700-2000	8-16	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80
AI	1700-2000	8-16	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
AI	1700-2000	GT26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
AI	1700-2000	GT26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
AI	1700-2000	GT26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
AI	1700-2000	GT26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
AI	LT1500	0-8	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
AI	LT1500	0-8	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
AI	LT1500	0-8	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
AI	LT1500	0-8	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80
AI	LT1500	0-8	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
AI	LT1500	16-26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
AI	LT1500	16-26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
AI	LT1500	16-26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
AI	LT1500	16-26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
AI	LT1500	8-16	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
AI	LT1500	8-16	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
AI	LT1500	8-16	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
AI	LT1500	8-16	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eoee	eoee
Al	LT1500	8-16	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
Al	LT1500	GT26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
Al	LT1500	GT26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
Al	LT1500	GT26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
Al	LT1500	GT26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
Al	GT2000	0-8	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
Al	GT2000	0-8	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
Al	GT2000	0-8	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
Al	GT2000	0-8	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80
Al	GT2000	0-8	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
Al	GT2000	16-26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
Al	GT2000	16-26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
Al	GT2000	16-26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
Al	GT2000	16-26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
Al	GT2000	8-16	1	20.19	15.02	17.57	29.26	24.97	64.13	25.08	12.91	9.01
Al	GT2000	8-16	2	0.00	14.82	17.34	29.26	24.97	64.13	24.75	12.75	8.89
Al	GT2000	8-16	3	0.00	14.52	16.98	29.26	24.97	64.13	24.24	12.48	8.71
Al	GT2000	8-16	7	0.00	14.67	17.16	29.26	24.97	64.13	24.50	12.62	8.80
Al	GT2000	8-16	8	0.00	14.73	17.23	29.26	24.97	64.13	24.60	12.67	8.84
Al	GT2000	GT26	1	10.44	5.11	9.57	14.00	16.00	48.00	8.94	10.98	7.66
Al	GT2000	GT26	2	0.00	5.06	9.49	14.00	16.00	48.00	8.86	10.88	7.59
Al	GT2000	GT26	3	0.00	5.02	9.41	14.00	16.00	48.00	8.78	10.79	7.53
Al	GT2000	GT26	7	0.00	5.08	9.52	14.00	16.00	48.00	8.89	10.92	7.62
Po	1500-1700	0-8	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
Po	1500-1700	0-8	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
Po	1500-1700	0-8	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
Po	1500-1700	0-8	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
Po	1500-1700	0-8	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
Po	1500-1700	16-26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79
Po	1500-1700	16-26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
Po	1500-1700	16-26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
Po	1500-1700	16-26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
Po	1500-1700	16-26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
Po	1500-1700	8-16	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
Po	1500-1700	8-16	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
Po	1500-1700	8-16	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
Po	1500-1700	8-16	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
Po	1500-1700	8-16	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
Po	1500-1700	GT26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79
Po	1500-1700	GT26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
Po	1500-1700	GT26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
Po	1500-1700	GT26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
Po	1500-1700	GT26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
Po	1700-2000	0-8	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
Po	1700-2000	0-8	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
Po	1700-2000	0-8	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
Po	1700-2000	0-8	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
Po	1700-2000	0-8	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
Po	1700-2000	16-26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eoee	eoee
Po	1700-2000	16-26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
Po	1700-2000	16-26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
Po	1700-2000	16-26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
Po	1700-2000	16-26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
Po	1700-2000	8-16	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
Po	1700-2000	8-16	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
Po	1700-2000	8-16	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
Po	1700-2000	8-16	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
Po	1700-2000	8-16	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
Po	1700-2000	GT26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79
Po	1700-2000	GT26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
Po	1700-2000	GT26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
Po	1700-2000	GT26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
Po	1700-2000	GT26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
Po	GT2000	0-8	1	20.19	21.34	24.97	29.26	24.97	64.13	35.63	18.35	12.80
Po	GT2000	0-8	2	0.00	21.24	24.86	29.26	24.97	64.13	35.48	18.27	12.75
Po	GT2000	0-8	3	0.00	21.05	24.63	29.26	24.97	64.13	35.16	18.11	12.63
Po	GT2000	0-8	7	0.00	21.32	24.94	29.26	24.97	64.13	35.60	18.33	12.79
Po	GT2000	0-8	8	0.00	21.37	25.01	29.26	24.97	64.13	35.69	18.38	12.82
Po	GT2000	16-26	1	10.44	6.00	11.25	14.00	16.00	48.00	10.50	12.90	9.00
Po	GT2000	16-26	2	0.00	5.93	11.13	14.00	16.00	48.00	10.38	12.76	8.90
Po	GT2000	16-26	3	0.00	5.87	11.01	14.00	16.00	48.00	10.28	12.63	8.81
Po	GT2000	16-26	7	0.00	5.93	11.11	14.00	16.00	48.00	10.37	12.74	8.89
Po	GT2000	16-26	8	0.00	5.98	11.21	14.00	16.00	48.00	10.46	12.85	8.97
Po	GT2000	8-16	1	20.19	21.34	24.97	29.26	24.97	64.13	35.63	18.35	12.80
Po	GT2000	8-16	2	0.00	21.24	24.86	29.26	24.97	64.13	35.48	18.27	12.75
Po	GT2000	8-16	3	0.00	21.05	24.63	29.26	24.97	64.13	35.16	18.11	12.63
Po	GT2000	8-16	7	0.00	21.32	24.94	29.26	24.97	64.13	35.60	18.33	12.79
Po	GT2000	8-16	8	0.00	21.37	25.01	29.26	24.97	64.13	35.69	18.38	12.82
Po	GT2000	GT26	1	10.44	6.00	11.25	14.00	16.00	48.00	10.50	12.90	9.00
Po	GT2000	GT26	2	0.00	5.93	11.13	14.00	16.00	48.00	10.38	12.76	8.90
Po	GT2000	GT26	3	0.00	5.87	11.01	14.00	16.00	48.00	10.28	12.63	8.81
Po	GT2000	GT26	7	0.00	5.93	11.11	14.00	16.00	48.00	10.37	12.74	8.89
Po	GT2000	GT26	8	0.00	5.98	11.21	14.00	16.00	48.00	10.46	12.85	8.97
Po	GT2000	other	1	10.44	6.00	11.25	14.00	16.00	48.00	10.50	12.90	9.00
Po	GT2000	other	2	0.00	5.93	11.13	14.00	16.00	48.00	10.38	12.76	8.90
Po	GT2000	other	3	0.00	5.87	11.01	14.00	16.00	48.00	10.28	12.63	8.81
Po	GT2000	other	7	0.00	5.93	11.11	14.00	16.00	48.00	10.37	12.74	8.89
Po	GT2000	other	8	0.00	5.98	11.21	14.00	16.00	48.00	10.46	12.85	8.97
Pu	1500-1700	0-8	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93
Pu	1500-1700	0-8	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	1500-1700	0-8	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	1500-1700	0-8	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	1500-1700	0-8	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68
Pu	1500-1700	16-26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	1500-1700	16-26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	1500-1700	16-26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	1500-1700	16-26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Pu	1500-1700	8-16	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eoee	eoee
Pu	1500-1700	8-16	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	1500-1700	8-16	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	1500-1700	8-16	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	1500-1700	8-16	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68
Pu	1500-1700	GT26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	1500-1700	GT26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	1500-1700	GT26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	1500-1700	GT26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Pu	1700-2000	0-8	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93
Pu	1700-2000	0-8	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	1700-2000	0-8	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	1700-2000	0-8	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	1700-2000	0-8	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68
Pu	1700-2000	16-26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	1700-2000	16-26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	1700-2000	16-26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	1700-2000	16-26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Pu	1700-2000	8-16	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93
Pu	1700-2000	8-16	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	1700-2000	8-16	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	1700-2000	8-16	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	1700-2000	8-16	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68
Pu	1700-2000	GT26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	1700-2000	GT26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	1700-2000	GT26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	1700-2000	GT26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Pu	LT1500	0-8	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93
Pu	LT1500	0-8	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	LT1500	0-8	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	LT1500	0-8	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	LT1500	0-8	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68
Pu	LT1500	16-26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	LT1500	16-26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	LT1500	16-26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	LT1500	16-26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Pu	LT1500	8-16	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93
Pu	LT1500	8-16	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	LT1500	8-16	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	LT1500	8-16	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	LT1500	8-16	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68
Pu	LT1500	GT26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	LT1500	GT26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	LT1500	GT26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	LT1500	GT26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Pu	GT2000	0-8	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93
Pu	GT2000	0-8	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	GT2000	0-8	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	GT2000	0-8	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	GT2000	0-8	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eoee	eoee
Pu	GT2000	16-26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	GT2000	16-26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	GT2000	16-26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	GT2000	16-26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Pu	GT2000	8-16	1	20.19	18.21	21.31	29.26	24.97	64.13	30.41	15.66	10.93
Pu	GT2000	8-16	2	0.00	17.96	21.01	29.26	24.97	64.13	29.99	15.45	10.78
Pu	GT2000	8-16	3	0.00	17.58	20.56	29.26	24.97	64.13	29.35	15.12	10.55
Pu	GT2000	8-16	7	0.00	17.67	20.67	29.26	24.97	64.13	29.51	15.19	10.60
Pu	GT2000	8-16	8	0.00	17.81	20.84	29.26	24.97	64.13	29.74	15.32	10.68
Pu	GT2000	GT26	1	10.44	5.32	9.98	14.00	16.00	48.00	9.31	11.44	7.99
Pu	GT2000	GT26	2	0.00	5.28	9.90	14.00	16.00	48.00	9.24	11.35	7.92
Pu	GT2000	GT26	3	0.00	5.26	9.87	14.00	16.00	48.00	9.21	11.31	7.89
Pu	GT2000	GT26	7	0.00	5.32	9.98	14.00	16.00	48.00	9.32	11.44	7.99
Re	1500-1700	0-8	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	1500-1700	0-8	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	1500-1700	0-8	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	1500-1700	0-8	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	1500-1700	0-8	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	1500-1700	16-26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Re	1500-1700	16-26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	1500-1700	16-26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	1500-1700	16-26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	1500-1700	16-26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Re	1500-1700	8-16	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	1500-1700	8-16	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	1500-1700	8-16	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	1500-1700	8-16	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	1500-1700	8-16	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	1500-1700	GT26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Re	1500-1700	GT26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	1500-1700	GT26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	1500-1700	GT26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	1500-1700	GT26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Re	1700-2000	0-8	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	1700-2000	0-8	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	1700-2000	0-8	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	1700-2000	0-8	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	1700-2000	0-8	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	1700-2000	16-26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Re	1700-2000	16-26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	1700-2000	16-26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	1700-2000	16-26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	1700-2000	16-26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Re	1700-2000	8-16	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	1700-2000	8-16	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	1700-2000	8-16	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	1700-2000	8-16	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	1700-2000	8-16	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	1700-2000	GT26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eoee	eoee
Re	1700-2000	GT26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	1700-2000	GT26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	1700-2000	GT26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	1700-2000	GT26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Re	LT1500	0-8	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	LT1500	0-8	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	LT1500	0-8	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	LT1500	0-8	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	LT1500	0-8	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	LT1500	16-26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Re	LT1500	16-26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	LT1500	16-26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	LT1500	16-26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	LT1500	16-26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Re	LT1500	8-16	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	LT1500	8-16	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	LT1500	8-16	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	LT1500	8-16	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	LT1500	8-16	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	LT1500	GT26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Re	LT1500	GT26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	LT1500	GT26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	LT1500	GT26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	LT1500	GT26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Re	GT2000	0-8	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	GT2000	0-8	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	GT2000	0-8	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	GT2000	0-8	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	GT2000	0-8	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	GT2000	16-26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Re	GT2000	16-26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	GT2000	16-26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	GT2000	16-26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	GT2000	16-26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Re	GT2000	8-16	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Re	GT2000	8-16	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Re	GT2000	8-16	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Re	GT2000	8-16	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Re	GT2000	8-16	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Re	GT2000	GT26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Re	GT2000	GT26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Re	GT2000	GT26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Re	GT2000	GT26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Re	GT2000	GT26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Or	1500-1700	0-8	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Or	1500-1700	0-8	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Or	1500-1700	0-8	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Or	1500-1700	0-8	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Or	1500-1700	0-8	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eoee	eoee
Or	1500-1700	16-26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Or	1500-1700	16-26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Or	1500-1700	16-26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Or	1500-1700	16-26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Or	1500-1700	16-26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Or	1500-1700	8-16	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Or	1500-1700	8-16	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Or	1500-1700	8-16	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Or	1500-1700	8-16	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Or	1500-1700	8-16	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Or	LT1500	0-8	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Or	LT1500	0-8	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Or	LT1500	0-8	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Or	LT1500	0-8	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Or	LT1500	0-8	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
Or	LT1500	16-26	1	10.44	3.99	7.48	14.00	16.00	48.00	6.99	8.58	5.99
Or	LT1500	16-26	2	0.00	3.95	7.40	14.00	16.00	48.00	6.91	8.49	5.92
Or	LT1500	16-26	3	0.00	3.88	7.28	14.00	16.00	48.00	6.80	8.35	5.83
Or	LT1500	16-26	7	0.00	3.90	7.31	14.00	16.00	48.00	6.82	8.38	5.85
Or	LT1500	16-26	8	0.00	3.92	7.34	14.00	16.00	48.00	6.85	8.42	5.87
Or	LT1500	8-16	1	20.19	11.49	13.45	29.26	24.97	64.13	19.19	9.88	6.89
Or	LT1500	8-16	2	0.00	11.34	13.27	29.26	24.97	64.13	18.94	9.75	6.81
Or	LT1500	8-16	3	0.00	11.07	12.95	29.26	24.97	64.13	18.49	9.52	6.64
Or	LT1500	8-16	7	0.00	11.26	13.17	29.26	24.97	64.13	18.80	9.68	6.76
Or	LT1500	8-16	8	0.00	11.15	13.04	29.26	24.97	64.13	18.62	9.59	6.69
other	1500-1700	0-8	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
other	1500-1700	0-8	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
other	1500-1700	0-8	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
other	1500-1700	0-8	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
other	1500-1700	0-8	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
other	1500-1700	16-26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79
other	1500-1700	16-26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
other	1500-1700	16-26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
other	1500-1700	16-26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
other	1500-1700	16-26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
other	1500-1700	8-16	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
other	1500-1700	8-16	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
other	1500-1700	8-16	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
other	1500-1700	8-16	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
other	1500-1700	8-16	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
other	1500-1700	GT26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79
other	1500-1700	GT26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
other	1500-1700	GT26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
other	1500-1700	GT26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
other	1500-1700	GT26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
other	1700-2000	0-8	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
other	1700-2000	0-8	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
other	1700-2000	0-8	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
other	1700-2000	0-8	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88

soil	rain	slope	mosb	efn	efl	eowpc	eove	eof	eor&m	eofc	eo	eoee
other	1700-2000	0-8	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
other	1700-2000	16-26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79
other	1700-2000	16-26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
other	1700-2000	16-26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
other	1700-2000	16-26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
other	1700-2000	16-26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
other	1700-2000	8-16	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
other	1700-2000	8-16	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
other	1700-2000	8-16	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
other	1700-2000	8-16	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
other	1700-2000	8-16	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
other	1700-2000	GT26	1	10.44	5.19	9.74	14.00	16.00	48.00	9.09	11.17	7.79
other	1700-2000	GT26	2	0.00	5.09	9.54	14.00	16.00	48.00	8.90	10.94	7.63
other	1700-2000	GT26	3	0.00	4.94	9.25	14.00	16.00	48.00	8.64	10.61	7.40
other	1700-2000	GT26	7	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.82	7.55
other	1700-2000	GT26	8	0.00	5.03	9.43	14.00	16.00	48.00	8.80	10.81	7.54
other	LT1500	0-8	1	20.19	20.22	23.65	29.26	24.97	64.13	33.76	17.38	12.13
other	LT1500	0-8	2	0.00	19.88	23.26	29.26	24.97	64.13	33.20	17.10	11.93
other	LT1500	0-8	3	0.00	19.52	22.84	29.26	24.97	64.13	32.60	16.79	11.71
other	LT1500	0-8	7	0.00	19.80	23.17	29.26	24.97	64.13	33.07	17.03	11.88
other	LT1500	0-8	8	0.00	20.19	23.63	29.26	24.97	64.13	33.72	17.37	12.12
other	GT2000	0-8	1	20.19	21.34	24.97	29.26	24.97	64.13	35.63	18.35	12.80
other	GT2000	0-8	2	0.00	21.24	24.86	29.26	24.97	64.13	35.48	18.27	12.75
other	GT2000	0-8	3	0.00	21.05	24.63	29.26	24.97	64.13	35.16	18.11	12.63
other	GT2000	0-8	7	0.00	21.32	24.94	29.26	24.97	64.13	35.60	18.33	12.79
other	GT2000	0-8	8	0.00	21.37	25.01	29.26	24.97	64.13	35.69	18.38	12.82
other	GT2000	16-26	1	10.44	6.00	11.25	14.00	16.00	48.00	10.50	12.90	9.00
other	GT2000	16-26	2	0.00	5.93	11.13	14.00	16.00	48.00	10.38	12.76	8.90
other	GT2000	16-26	3	0.00	5.87	11.01	14.00	16.00	48.00	10.28	12.63	8.81
other	GT2000	16-26	7	0.00	5.93	11.11	14.00	16.00	48.00	10.37	12.74	8.89
other	GT2000	16-26	8	0.00	5.98	11.21	14.00	16.00	48.00	10.46	12.85	8.97
other	GT2000	8-16	1	20.19	21.34	24.97	29.26	24.97	64.13	35.63	18.35	12.80
other	GT2000	8-16	2	0.00	21.24	24.86	29.26	24.97	64.13	35.48	18.27	12.75
other	GT2000	8-16	3	0.00	21.05	24.63	29.26	24.97	64.13	35.16	18.11	12.63
other	GT2000	8-16	7	0.00	21.32	24.94	29.26	24.97	64.13	35.60	18.33	12.79
other	GT2000	8-16	8	0.00	21.37	25.01	29.26	24.97	64.13	35.69	18.38	12.82

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
AI	1500-1700	0-8	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
AI	1500-1700	0-8	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
AI	1500-1700	0-8	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
AI	1500-1700	0-8	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18
AI	1500-1700	0-8	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
AI	1500-1700	16-26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
AI	1500-1700	16-26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
AI	1500-1700	16-26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
AI	1500-1700	16-26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
AI	1500-1700	8-16	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
AI	1500-1700	8-16	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
AI	1500-1700	8-16	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
AI	1500-1700	8-16	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18
AI	1500-1700	8-16	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
AI	1500-1700	GT26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
AI	1500-1700	GT26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
AI	1500-1700	GT26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
AI	1500-1700	GT26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
AI	1700-2000	0-8	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
AI	1700-2000	0-8	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
AI	1700-2000	0-8	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
AI	1700-2000	0-8	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18
AI	1700-2000	0-8	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
AI	1700-2000	16-26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
AI	1700-2000	16-26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
AI	1700-2000	16-26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
AI	1700-2000	16-26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
AI	1700-2000	8-16	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
AI	1700-2000	8-16	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
AI	1700-2000	8-16	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
AI	1700-2000	8-16	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18
AI	1700-2000	8-16	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
AI	1700-2000	GT26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
AI	1700-2000	GT26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
AI	1700-2000	GT26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
AI	1700-2000	GT26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
AI	LT1500	0-8	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
AI	LT1500	0-8	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
AI	LT1500	0-8	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
AI	LT1500	0-8	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18
AI	LT1500	0-8	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
AI	LT1500	16-26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
AI	LT1500	16-26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
AI	LT1500	16-26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
AI	LT1500	16-26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
AI	LT1500	8-16	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
AI	LT1500	8-16	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
AI	LT1500	8-16	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
AI	LT1500	8-16	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
Al	LT1500	8-16	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
Al	LT1500	GT26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
Al	LT1500	GT26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
Al	LT1500	GT26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
Al	LT1500	GT26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
Al	GT2000	0-8	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
Al	GT2000	0-8	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
Al	GT2000	0-8	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
Al	GT2000	0-8	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18
Al	GT2000	0-8	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
Al	GT2000	16-26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
Al	GT2000	16-26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
Al	GT2000	16-26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
Al	GT2000	16-26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
Al	GT2000	8-16	1	29.15	13.95	6.91	30.03	1058.33	52.55	1110.88
Al	GT2000	8-16	2	29.15	13.95	6.82	29.64	1028.47	51.87	1080.34
Al	GT2000	8-16	3	29.15	13.95	6.68	29.03	953.85	50.80	1004.66
Al	GT2000	8-16	7	29.15	13.95	6.75	29.34	989.84	51.34	1041.18
Al	GT2000	8-16	8	29.15	13.95	6.78	29.46	991.10	51.55	1042.65
Al	GT2000	GT26	1	17.00	13.97	5.87	25.53	717.32	26.81	744.13
Al	GT2000	GT26	2	17.00	13.97	5.82	25.31	701.89	26.58	728.46
Al	GT2000	GT26	3	17.00	13.97	5.77	25.09	674.83	26.35	701.18
Al	GT2000	GT26	7	17.00	13.97	5.84	25.39	708.19	26.66	734.84
Po	1500-1700	0-8	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
Po	1500-1700	0-8	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
Po	1500-1700	0-8	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
Po	1500-1700	0-8	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
Po	1500-1700	0-8	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
Po	1500-1700	16-26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87
Po	1500-1700	16-26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
Po	1500-1700	16-26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
Po	1500-1700	16-26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
Po	1500-1700	16-26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
Po	1500-1700	8-16	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
Po	1500-1700	8-16	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
Po	1500-1700	8-16	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
Po	1500-1700	8-16	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
Po	1500-1700	8-16	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
Po	1500-1700	GT26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87
Po	1500-1700	GT26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
Po	1500-1700	GT26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
Po	1500-1700	GT26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
Po	1500-1700	GT26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
Po	1700-2000	0-8	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
Po	1700-2000	0-8	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
Po	1700-2000	0-8	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
Po	1700-2000	0-8	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
Po	1700-2000	0-8	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
Po	1700-2000	16-26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
Po	1700-2000	16-26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
Po	1700-2000	16-26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
Po	1700-2000	16-26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
Po	1700-2000	16-26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
Po	1700-2000	8-16	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
Po	1700-2000	8-16	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
Po	1700-2000	8-16	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
Po	1700-2000	8-16	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
Po	1700-2000	8-16	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
Po	1700-2000	GT26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87
Po	1700-2000	GT26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
Po	1700-2000	GT26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
Po	1700-2000	GT26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
Po	1700-2000	GT26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
Po	GT2000	0-8	1	29.15	13.95	9.82	42.68	1521.06	74.68	1595.74
Po	GT2000	0-8	2	29.15	13.95	9.77	42.49	1496.19	74.35	1570.55
Po	GT2000	0-8	3	29.15	13.95	9.68	42.11	1448.36	73.69	1522.05
Po	GT2000	0-8	7	29.15	13.95	9.81	42.63	1494.33	74.60	1568.93
Po	GT2000	0-8	8	29.15	13.95	9.83	42.74	1492.74	74.80	1567.55
Po	GT2000	16-26	1	17.00	13.97	6.90	30.00	839.11	31.50	870.61
Po	GT2000	16-26	2	17.00	13.97	6.82	29.67	822.44	31.15	853.59
Po	GT2000	16-26	3	17.00	13.97	6.75	29.36	786.77	30.83	817.60
Po	GT2000	16-26	7	17.00	13.97	6.81	29.63	817.52	31.11	848.63
Po	GT2000	16-26	8	17.00	13.97	6.87	29.89	831.93	31.38	863.30
Po	GT2000	8-16	1	29.15	13.95	9.82	42.68	1521.06	74.68	1595.74
Po	GT2000	8-16	2	29.15	13.95	9.77	42.49	1496.19	74.35	1570.55
Po	GT2000	8-16	3	29.15	13.95	9.68	42.11	1448.36	73.69	1522.05
Po	GT2000	8-16	7	29.15	13.95	9.81	42.63	1494.33	74.60	1568.93
Po	GT2000	8-16	8	29.15	13.95	9.83	42.74	1492.74	74.80	1567.55
Po	GT2000	GT26	1	17.00	13.97	6.90	30.00	839.11	31.50	870.61
Po	GT2000	GT26	2	17.00	13.97	6.82	29.67	822.44	31.15	853.59
Po	GT2000	GT26	3	17.00	13.97	6.75	29.36	786.77	30.83	817.60
Po	GT2000	GT26	7	17.00	13.97	6.81	29.63	817.52	31.11	848.63
Po	GT2000	GT26	8	17.00	13.97	6.87	29.89	831.93	31.38	863.30
Po	GT2000	other	1	17.00	13.97	6.90	30.00	839.11	31.50	870.61
Po	GT2000	other	2	17.00	13.97	6.82	29.67	822.44	31.15	853.59
Po	GT2000	other	3	17.00	13.97	6.75	29.36	786.77	30.83	817.60
Po	GT2000	other	7	17.00	13.97	6.81	29.63	817.52	31.11	848.63
Po	GT2000	other	8	17.00	13.97	6.87	29.89	831.93	31.38	863.30
Pu	1500-1700	0-8	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82
Pu	1500-1700	0-8	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	1500-1700	0-8	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	1500-1700	0-8	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	1500-1700	0-8	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24
Pu	1500-1700	16-26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	1500-1700	16-26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	1500-1700	16-26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	1500-1700	16-26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Pu	1500-1700	8-16	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
Pu	1500-1700	8-16	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	1500-1700	8-16	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	1500-1700	8-16	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	1500-1700	8-16	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24
Pu	1500-1700	GT26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	1500-1700	GT26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	1500-1700	GT26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	1500-1700	GT26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Pu	1700-2000	0-8	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82
Pu	1700-2000	0-8	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	1700-2000	0-8	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	1700-2000	0-8	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	1700-2000	0-8	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24
Pu	1700-2000	16-26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	1700-2000	16-26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	1700-2000	16-26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	1700-2000	16-26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Pu	1700-2000	8-16	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82
Pu	1700-2000	8-16	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	1700-2000	8-16	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	1700-2000	8-16	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	1700-2000	8-16	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24
Pu	1700-2000	GT26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	1700-2000	GT26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	1700-2000	GT26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	1700-2000	GT26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Pu	LT1500	0-8	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82
Pu	LT1500	0-8	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	LT1500	0-8	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	LT1500	0-8	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	LT1500	0-8	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24
Pu	LT1500	16-26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	LT1500	16-26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	LT1500	16-26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	LT1500	16-26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Pu	LT1500	8-16	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82
Pu	LT1500	8-16	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	LT1500	8-16	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	LT1500	8-16	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	LT1500	8-16	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24
Pu	LT1500	GT26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	LT1500	GT26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	LT1500	GT26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	LT1500	GT26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Pu	GT2000	0-8	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82
Pu	GT2000	0-8	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	GT2000	0-8	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	GT2000	0-8	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	GT2000	0-8	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
Pu	GT2000	16-26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	GT2000	16-26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	GT2000	16-26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	GT2000	16-26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Pu	GT2000	8-16	1	29.15	13.95	8.38	36.42	1201.09	63.73	1264.82
Pu	GT2000	8-16	2	29.15	13.95	8.26	35.92	1168.53	62.86	1231.39
Pu	GT2000	8-16	3	29.15	13.95	8.08	35.15	1098.60	61.52	1160.12
Pu	GT2000	8-16	7	29.15	13.95	8.13	35.34	1137.02	61.84	1198.86
Pu	GT2000	8-16	8	29.15	13.95	8.19	35.62	1143.91	62.33	1206.24
Pu	GT2000	GT26	1	17.00	13.97	6.12	26.61	739.03	27.94	766.98
Pu	GT2000	GT26	2	17.00	13.97	6.07	26.39	723.50	27.71	751.20
Pu	GT2000	GT26	3	17.00	13.97	6.05	26.31	699.67	27.63	727.30
Pu	GT2000	GT26	7	17.00	13.97	6.12	26.61	734.01	27.95	761.96
Re	1500-1700	0-8	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	1500-1700	0-8	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	1500-1700	0-8	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	1500-1700	0-8	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	1500-1700	0-8	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	1500-1700	16-26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Re	1500-1700	16-26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	1500-1700	16-26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	1500-1700	16-26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	1500-1700	16-26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Re	1500-1700	8-16	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	1500-1700	8-16	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	1500-1700	8-16	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	1500-1700	8-16	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	1500-1700	8-16	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	1500-1700	GT26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Re	1500-1700	GT26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	1500-1700	GT26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	1500-1700	GT26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	1500-1700	GT26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Re	1700-2000	0-8	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	1700-2000	0-8	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	1700-2000	0-8	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	1700-2000	0-8	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	1700-2000	0-8	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	1700-2000	16-26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Re	1700-2000	16-26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	1700-2000	16-26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	1700-2000	16-26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	1700-2000	16-26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Re	1700-2000	8-16	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	1700-2000	8-16	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	1700-2000	8-16	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	1700-2000	8-16	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	1700-2000	8-16	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	1700-2000	GT26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
Re	1700-2000	GT26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	1700-2000	GT26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	1700-2000	GT26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	1700-2000	GT26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Re	LT1500	0-8	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	LT1500	0-8	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	LT1500	0-8	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	LT1500	0-8	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	LT1500	0-8	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	LT1500	16-26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Re	LT1500	16-26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	LT1500	16-26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	LT1500	16-26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	LT1500	16-26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Re	LT1500	8-16	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	LT1500	8-16	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	LT1500	8-16	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	LT1500	8-16	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	LT1500	8-16	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	LT1500	GT26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Re	LT1500	GT26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	LT1500	GT26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	LT1500	GT26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	LT1500	GT26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Re	GT2000	0-8	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	GT2000	0-8	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	GT2000	0-8	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	GT2000	0-8	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	GT2000	0-8	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	GT2000	16-26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Re	GT2000	16-26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	GT2000	16-26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	GT2000	16-26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	GT2000	16-26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Re	GT2000	8-16	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Re	GT2000	8-16	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Re	GT2000	8-16	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Re	GT2000	8-16	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Re	GT2000	8-16	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Re	GT2000	GT26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Re	GT2000	GT26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Re	GT2000	GT26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Re	GT2000	GT26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Re	GT2000	GT26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Or	1500-1700	0-8	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Or	1500-1700	0-8	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Or	1500-1700	0-8	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Or	1500-1700	0-8	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Or	1500-1700	0-8	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
Or	1500-1700	16-26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Or	1500-1700	16-26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Or	1500-1700	16-26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Or	1500-1700	16-26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Or	1500-1700	16-26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Or	1500-1700	8-16	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Or	1500-1700	8-16	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Or	1500-1700	8-16	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Or	1500-1700	8-16	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Or	1500-1700	8-16	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Or	LT1500	0-8	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Or	LT1500	0-8	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Or	LT1500	0-8	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Or	LT1500	0-8	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Or	LT1500	0-8	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
Or	LT1500	16-26	1	17.00	13.97	4.59	19.96	601.90	20.95	622.86
Or	LT1500	16-26	2	17.00	13.97	4.54	19.74	586.54	20.73	607.27
Or	LT1500	16-26	3	17.00	13.97	4.47	19.42	556.88	20.39	577.27
Or	LT1500	16-26	7	17.00	13.97	4.48	19.49	577.81	20.47	598.27
Or	LT1500	16-26	8	17.00	13.97	4.50	19.58	583.78	20.56	604.34
Or	LT1500	8-16	1	29.15	13.95	5.29	22.98	855.40	40.22	895.63
Or	LT1500	8-16	2	29.15	13.95	5.22	22.68	827.79	39.70	867.48
Or	LT1500	8-16	3	29.15	13.95	5.09	22.14	776.56	38.75	815.31
Or	LT1500	8-16	7	29.15	13.95	5.18	22.52	805.88	39.41	845.29
Or	LT1500	8-16	8	29.15	13.95	5.13	22.30	799.97	39.02	838.99
other	1500-1700	0-8	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
other	1500-1700	0-8	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
other	1500-1700	0-8	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
other	1500-1700	0-8	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
other	1500-1700	0-8	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
other	1500-1700	16-26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87
other	1500-1700	16-26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
other	1500-1700	16-26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
other	1500-1700	16-26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
other	1500-1700	16-26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
other	1500-1700	8-16	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
other	1500-1700	8-16	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
other	1500-1700	8-16	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
other	1500-1700	8-16	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
other	1500-1700	8-16	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
other	1500-1700	GT26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87
other	1500-1700	GT26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
other	1500-1700	GT26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
other	1500-1700	GT26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
other	1500-1700	GT26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
other	1700-2000	0-8	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
other	1700-2000	0-8	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
other	1700-2000	0-8	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
other	1700-2000	0-8	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03

soil	rain	slope	mosb	esae	esi	esal	esr	ettfwe	edd	et
other	1700-2000	0-8	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
other	1700-2000	16-26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87
other	1700-2000	16-26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
other	1700-2000	16-26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
other	1700-2000	16-26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
other	1700-2000	16-26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
other	1700-2000	8-16	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
other	1700-2000	8-16	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
other	1700-2000	8-16	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
other	1700-2000	8-16	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
other	1700-2000	8-16	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
other	1700-2000	GT26	1	17.00	13.97	5.97	25.97	762.60	27.27	789.87
other	1700-2000	GT26	2	17.00	13.97	5.85	25.43	740.04	26.70	766.74
other	1700-2000	GT26	3	17.00	13.97	5.68	24.68	694.87	25.91	720.79
other	1700-2000	GT26	7	17.00	13.97	5.79	25.16	729.00	26.41	755.41
other	1700-2000	GT26	8	17.00	13.97	5.78	25.14	735.72	26.40	762.12
other	LT1500	0-8	1	29.15	13.95	9.30	40.43	1401.12	70.75	1471.87
other	LT1500	0-8	2	29.15	13.95	9.15	39.77	1364.58	69.59	1434.16
other	LT1500	0-8	3	29.15	13.95	8.98	39.05	1306.71	68.33	1375.04
other	LT1500	0-8	7	29.15	13.95	9.11	39.60	1350.72	69.31	1420.03
other	LT1500	0-8	8	29.15	13.95	9.29	40.39	1366.78	70.68	1437.45
other	GT2000	0-8	1	29.15	13.95	9.82	42.68	1521.06	74.68	1595.74
other	GT2000	0-8	2	29.15	13.95	9.77	42.49	1496.19	74.35	1570.55
other	GT2000	0-8	3	29.15	13.95	9.68	42.11	1448.36	73.69	1522.05
other	GT2000	0-8	7	29.15	13.95	9.81	42.63	1494.33	74.60	1568.93
other	GT2000	0-8	8	29.15	13.95	9.83	42.74	1492.74	74.80	1567.55
other	GT2000	16-26	1	17.00	13.97	6.90	30.00	839.11	31.50	870.61
other	GT2000	16-26	2	17.00	13.97	6.82	29.67	822.44	31.15	853.59
other	GT2000	16-26	3	17.00	13.97	6.75	29.36	786.77	30.83	817.60
other	GT2000	16-26	7	17.00	13.97	6.81	29.63	817.52	31.11	848.63
other	GT2000	16-26	8	17.00	13.97	6.87	29.89	831.93	31.38	863.30
other	GT2000	8-16	1	29.15	13.95	9.82	42.68	1521.06	74.68	1595.74
other	GT2000	8-16	2	29.15	13.95	9.77	42.49	1496.19	74.35	1570.55
other	GT2000	8-16	3	29.15	13.95	9.68	42.11	1448.36	73.69	1522.05
other	GT2000	8-16	7	29.15	13.95	9.81	42.63	1494.33	74.60	1568.93
other	GT2000	8-16	8	29.15	13.95	9.83	42.74	1492.74	74.80	1567.55

Appendix 3: Sheep and dairy information

	Information	Description
fa	ha	total area
fe	ha	effective area
op420	\$	operating profit with average beef price of \$4.20/kg cwt
op375	\$	operating profit with average beef price of \$3.75/kg cwt
nl	kg N/ha	annual N loss to water per total area
pl	kg P/ha	annual P loss to water per total area
sr	SU/ha	stocking rate
psh	%	sheep stocking rate
srsh	SSU/ha	sheep stocking rate
pca	%	sheep stocking rate
srca	CSU/ha	cattle stocking rate
go	no. head	number of cows wintered on farm
srGo	head/ha	number of cows wintered on farm/ha
r1	no. head	number of heifer calves grazed on farm (Dec - April)
r2	no. head	number of yearling heifers grazed on farm (May - April)
nft	kg N/ha	nitrogen fertiliser
nfp	kg N/ha	nitrogen fertiliser
su	t DM/ha	supplement eaten
wp	kg greasy wool/ha	wool production
sp	kg sheep cwt/ha	sheep meat production
bp	kg beef cwt/ha	beef meat production
la	FTE	labour

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psb	srsh
Al	1500-1700	0-8	1	241	241	241	241	20.0	0.8	13.4	61	8.2
Al	1500-1700	0-8	4	241	241	283	283	20.0	0.8	13.4	61	8.2
Al	1500-1700	0-8	5	241	241	223	172	17.0	0.8	13.4	61	8.2
Al	1500-1700	0-8	6	241	241	253	183	13.0	0.8	13.9	59	8.2
Al	1500-1700	0-8	8	241	241	239	186	13.0	0.8	14.1	70	9.9
Al	1500-1700	16-26	1	325	325	228	228	14.0	0.9	12.1	64	7.7
Al	1500-1700	16-26	4	325	325	266	266	14.0	0.9	12.1	64	7.7
Al	1500-1700	16-26	5	325	325	207	159	12.0	0.9	12	65	7.8
Al	1500-1700	16-26	8	325	325	198	157	12.0	0.9	12.1	70	8.5
Al	1500-1700	8-16	1	241	241	241	241	20.0	0.8	13.4	61	8.2
Al	1500-1700	8-16	4	241	241	283	283	20.0	0.8	13.4	61	8.2
Al	1500-1700	8-16	5	241	241	223	172	17.0	0.8	13.4	61	8.2
Al	1500-1700	8-16	6	241	241	253	183	13.0	0.8	13.9	59	8.2
Al	1500-1700	8-16	8	241	241	239	186	13.0	0.8	14.1	70	9.9
Al	1500-1700	GT26	1	325	325	228	228	14.0	0.9	12.1	64	7.7
Al	1500-1700	GT26	4	325	325	266	266	14.0	0.9	12.1	64	7.7
Al	1500-1700	GT26	5	325	325	207	159	12.0	0.9	12	65	7.8
Al	1500-1700	GT26	8	325	325	198	157	12.0	0.9	12.1	70	8.5
Al	1700-2000	0-8	1	241	241	241	241	23.0	0.8	13.4	61	8.2
Al	1700-2000	0-8	4	241	241	283	283	23.0	0.8	13.4	61	8.2
Al	1700-2000	0-8	5	241	241	223	172	19.6	0.8	13.4	61	8.2
Al	1700-2000	0-8	6	241	241	253	183	15.0	0.8	13.9	59	8.2
Al	1700-2000	0-8	8	241	241	239	186	15.0	0.8	14.1	70	9.9
Al	1700-2000	16-26	1	325	325	228	228	16.0	0.9	12.1	64	7.7
Al	1700-2000	16-26	4	325	325	266	266	16.0	0.9	12.1	64	7.7
Al	1700-2000	16-26	5	325	325	207	159	13.7	0.9	12	65	7.8
Al	1700-2000	16-26	8	325	325	198	157	13.7	0.9	12.1	70	8.5
Al	1700-2000	8-16	1	241	241	241	241	23.0	0.8	13.4	61	8.2
Al	1700-2000	8-16	4	241	241	283	283	23.0	0.8	13.4	61	8.2
Al	1700-2000	8-16	5	241	241	223	172	19.6	0.8	13.4	61	8.2
Al	1700-2000	8-16	6	241	241	253	183	15.0	0.8	13.9	59	8.2
Al	1700-2000	8-16	8	241	241	239	186	15.0	0.8	14.1	70	9.9
Al	1700-2000	GT26	1	325	325	228	228	16.0	0.9	12.1	64	7.7
Al	1700-2000	GT26	4	325	325	266	266	16.0	0.9	12.1	64	7.7
Al	1700-2000	GT26	5	325	325	207	159	13.7	0.9	12	65	7.8
Al	1700-2000	GT26	8	325	325	198	157	13.7	0.9	12.1	70	8.5
Al	LT1500	0-8	1	241	241	241	241	18.0	0.8	13.4	61	8.2
Al	LT1500	0-8	4	241	241	283	283	18.0	0.8	13.4	61	8.2
Al	LT1500	0-8	5	241	241	223	172	15.3	0.8	13.4	61	8.2
Al	LT1500	0-8	6	241	241	253	183	11.7	0.8	13.9	59	8.2
Al	LT1500	0-8	8	241	241	239	186	11.7	0.8	14.1	70	9.9
Al	LT1500	16-26	1	325	325	228	228	12.0	0.9	12.1	64	7.7
Al	LT1500	16-26	4	325	325	266	266	12.0	0.9	12.1	64	7.7
Al	LT1500	16-26	5	325	325	207	159	10.3	0.9	12	65	7.8
Al	LT1500	16-26	8	325	325	198	157	10.3	0.9	12.1	70	8.5
Al	LT1500	8-16	1	241	241	241	241	18.0	0.8	13.4	61	8.2
Al	LT1500	8-16	4	241	241	283	283	18.0	0.8	13.4	61	8.2
Al	LT1500	8-16	5	241	241	223	172	15.3	0.8	13.4	61	8.2
Al	LT1500	8-16	6	241	241	253	183	11.7	0.8	13.9	59	8.2

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psb	srsh
Al	LT1500	8-16	8	241	241	239	186	11.7	0.8	14.1	70	9.9
Al	LT1500	GT26	1	325	325	228	228	12.0	0.9	12.1	64	7.7
Al	LT1500	GT26	4	325	325	266	266	12.0	0.9	12.1	64	7.7
Al	LT1500	GT26	5	325	325	207	159	10.3	0.9	12	65	7.8
Al	LT1500	GT26	8	325	325	198	157	10.3	0.9	12.1	70	8.5
Al	GT2000	0-8	1	241	241	241	241	28.0	0.8	13.4	61	8.2
Al	GT2000	0-8	4	241	241	283	283	28.0	0.8	13.4	61	8.2
Al	GT2000	0-8	5	241	241	223	172	23.8	0.8	13.4	61	8.2
Al	GT2000	0-8	6	241	241	253	183	18.2	0.8	13.9	59	8.2
Al	GT2000	0-8	8	241	241	239	186	18.2	0.8	14.1	70	9.9
Al	GT2000	16-26	1	325	325	228	228	20.0	0.9	12.1	64	7.7
Al	GT2000	16-26	4	325	325	266	266	20.0	0.9	12.1	64	7.7
Al	GT2000	16-26	5	325	325	207	159	17.1	0.9	12	65	7.8
Al	GT2000	16-26	8	325	325	198	157	17.1	0.9	12.1	70	8.5
Al	GT2000	8-16	1	241	241	241	241	28.0	0.8	13.4	61	8.2
Al	GT2000	8-16	4	241	241	283	283	28.0	0.8	13.4	61	8.2
Al	GT2000	8-16	5	241	241	223	172	23.8	0.8	13.4	61	8.2
Al	GT2000	8-16	6	241	241	253	183	18.2	0.8	13.9	59	8.2
Al	GT2000	8-16	8	241	241	239	186	18.2	0.8	14.1	70	9.9
Al	GT2000	GT26	1	325	325	228	228	20.0	0.9	12.1	64	7.7
Al	GT2000	GT26	4	325	325	266	266	20.0	0.9	12.1	64	7.7
Al	GT2000	GT26	5	325	325	207	159	17.1	0.9	12	65	7.8
Al	GT2000	GT26	8	325	325	198	157	17.1	0.9	12.1	70	8.5
Po	1500-1700	0-8	1	241	241	376	376	26.0	3.3	17.9	46	8.2
Po	1500-1700	0-8	2	241	241	382	382	27.0	3.3	17.6	45	7.9
Po	1500-1700	0-8	4	241	241	428	428	27.0	3.3	17.6	45	7.9
Po	1500-1700	0-8	5	241	241	288	193	20.0	3.2	17.1	46	7.9
Po	1500-1700	0-8	6	241	241	243	140	16.0	3.3	16.9	47	7.9
Po	1500-1700	0-8	8	241	241	200	139	17.0	3.3	17.3	70	12.1
Po	1500-1700	16-26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
Po	1500-1700	16-26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
Po	1500-1700	16-26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
Po	1500-1700	16-26	8	325	325	183	140	13.0	3.7	12.8	70	9
Po	1500-1700	8-16	1	241	241	376	376	26.0	3.3	17.9	46	8.2
Po	1500-1700	8-16	2	241	241	382	382	27.0	3.3	17.6	45	7.9
Po	1500-1700	8-16	4	241	241	428	428	27.0	3.3	17.6	45	7.9
Po	1500-1700	8-16	5	241	241	288	193	20.0	3.2	17.1	46	7.9
Po	1500-1700	8-16	6	241	241	243	140	16.0	3.3	16.9	47	7.9
Po	1500-1700	8-16	8	241	241	200	139	17.0	3.3	17.3	70	12.1
Po	1500-1700	GT26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
Po	1500-1700	GT26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
Po	1500-1700	GT26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
Po	1500-1700	GT26	8	325	325	183	140	13.0	3.7	12.8	70	9
Po	1700-2000	0-8	1	241	241	376	376	26.0	3.3	17.9	46	8.2
Po	1700-2000	0-8	2	241	241	382	382	27.0	3.3	17.6	45	7.9
Po	1700-2000	0-8	4	241	241	428	428	27.0	3.3	17.6	45	7.9
Po	1700-2000	0-8	5	241	241	288	193	20.0	3.2	17.1	46	7.9
Po	1700-2000	0-8	6	241	241	243	140	16.0	3.3	16.9	47	7.9
Po	1700-2000	0-8	8	241	241	200	139	17.0	3.3	17.3	70	12.1

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psb	srb
Po	1700-2000	16-26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
Po	1700-2000	16-26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
Po	1700-2000	16-26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
Po	1700-2000	16-26	8	325	325	183	140	13.0	3.7	12.8	70	9
Po	1700-2000	8-16	1	241	241	376	376	26.0	3.3	17.9	46	8.2
Po	1700-2000	8-16	2	241	241	382	382	27.0	3.3	17.6	45	7.9
Po	1700-2000	8-16	4	241	241	428	428	27.0	3.3	17.6	45	7.9
Po	1700-2000	8-16	5	241	241	288	193	20.0	3.2	17.1	46	7.9
Po	1700-2000	8-16	6	241	241	243	140	16.0	3.3	16.9	47	7.9
Po	1700-2000	8-16	8	241	241	200	139	17.0	3.3	17.3	70	12.1
Po	1700-2000	GT26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
Po	1700-2000	GT26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
Po	1700-2000	GT26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
Po	1700-2000	GT26	8	325	325	183	140	13.0	3.7	12.8	70	9
Po	GT2000	0-8	1	241	241	368	368	37.0	3.5	18.9	43	8.1
Po	GT2000	0-8	2	241	241	368	368	35.0	3.5	18.7	44	8.2
Po	GT2000	0-8	4	241	241	397	397	35.0	3.5	18.8	46	8.6
Po	GT2000	0-8	5	241	241	232	135	26.0	3.4	18.1	48	8.7
Po	GT2000	0-8	6	241	241	222	111	21.0	3.4	18.1	48	8.7
Po	GT2000	0-8	8	241	241	187	120	22.0	3.5	18.2	70	12.7
Po	GT2000	16-26	1	325	325	174	169	21.0	4.2	14.1	53	7.5
Po	GT2000	16-26	2	325	325	184	179	20.0	4.2	13.9	54	7.5
Po	GT2000	16-26	4	325	325	217	211	20.0	4.2	13.9	57	7.9
Po	GT2000	16-26	5	325	325	176	121	17.0	4.2	13.8	58	8
Po	GT2000	16-26	8	325	325	159	123	18.0	4.2	14	70	9.8
Po	GT2000	8-16	1	241	241	368	368	37.0	3.5	18.9	43	8.1
Po	GT2000	8-16	2	241	241	368	368	35.0	3.5	18.7	44	8.2
Po	GT2000	8-16	4	241	241	397	397	35.0	3.5	18.8	46	8.6
Po	GT2000	8-16	5	241	241	232	135	26.0	3.4	18.1	48	8.7
Po	GT2000	8-16	6	241	241	222	111	21.0	3.4	18.1	48	8.7
Po	GT2000	8-16	8	241	241	187	120	22.0	3.5	18.2	70	12.7
Po	GT2000	GT26	1	325	325	174	169	21.0	4.2	14.1	53	7.5
Po	GT2000	GT26	2	325	325	184	179	20.0	4.2	13.9	54	7.5
Po	GT2000	GT26	4	325	325	217	211	20.0	4.2	13.9	57	7.9
Po	GT2000	GT26	5	325	325	176	121	17.0	4.2	13.8	58	8
Po	GT2000	GT26	8	325	325	159	123	18.0	4.2	14	70	9.8
Po	GT2000	other	1	325	325	174	169	29.0	4.2	14.1	53	7.5
Po	GT2000	other	2	325	325	184	179	27.6	4.2	13.9	54	7.5
Po	GT2000	other	4	325	325	217	211	27.6	4.2	13.9	57	7.9
Po	GT2000	other	5	325	325	176	121	23.5	4.2	13.8	58	8
Po	GT2000	other	8	325	325	159	123	24.9	4.2	14	70	9.8
Pu	1500-1700	0-8	1	241	241	414	414	26.0	1.9	16.6	50	8.3
Pu	1500-1700	0-8	4	241	241	457	457	25.1	1.9	16.6	49	8.1
Pu	1500-1700	0-8	5	241	241	344	266	20.6	1.9	16.2	51	8.3
Pu	1500-1700	0-8	6	241	241	301	204	15.2	1.9	16.3	50	8.2
Pu	1500-1700	0-8	8	241	241	260	200	16.1	1.9	16.6	70	11.6
Pu	1500-1700	16-26	1	325	325	233	233	15.0	2.1	12.7	61	7.7
Pu	1500-1700	16-26	4	325	325	271	271	15.0	2.1	12.7	61	7.7
Pu	1500-1700	16-26	5	325	325	229	176	12.4	2.1	12.5	62	7.8

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psb	srb
Pu	1500-1700	16-26	8	325	325	218	175	12.4	2.1	12.6	70	8.8
Pu	1500-1700	8-16	1	241	241	414	414	26.0	1.9	16.6	50	8.3
Pu	1500-1700	8-16	4	241	241	457	457	25.1	1.9	16.6	49	8.1
Pu	1500-1700	8-16	5	241	241	344	266	20.6	1.9	16.2	51	8.3
Pu	1500-1700	8-16	6	241	241	301	204	15.2	1.9	16.3	50	8.2
Pu	1500-1700	8-16	8	241	241	260	200	16.1	1.9	16.6	70	11.6
Pu	1500-1700	GT26	1	325	325	233	233	15.0	2.1	12.7	61	7.7
Pu	1500-1700	GT26	4	325	325	271	271	15.0	2.1	12.7	61	7.7
Pu	1500-1700	GT26	5	325	325	229	176	12.4	2.1	12.5	62	7.8
Pu	1500-1700	GT26	8	325	325	218	175	12.4	2.1	12.6	70	8.8
Pu	1700-2000	0-8	1	241	241	414	414	29.0	1.9	16.6	50	8.3
Pu	1700-2000	0-8	4	241	241	457	457	28.0	1.9	16.6	49	8.1
Pu	1700-2000	0-8	5	241	241	344	266	23.0	1.9	16.2	51	8.3
Pu	1700-2000	0-8	6	241	241	301	204	17.0	1.9	16.3	50	8.2
Pu	1700-2000	0-8	8	241	241	260	200	18.0	1.9	16.6	70	11.6
Pu	1700-2000	16-26	1	325	325	233	233	17.0	2.1	12.7	61	7.7
Pu	1700-2000	16-26	4	325	325	271	271	17.0	2.1	12.7	61	7.7
Pu	1700-2000	16-26	5	325	325	229	176	14.0	2.1	12.5	62	7.8
Pu	1700-2000	16-26	8	325	325	218	175	14.0	2.1	12.6	70	8.8
Pu	1700-2000	8-16	1	241	241	414	414	29.0	1.9	16.6	50	8.3
Pu	1700-2000	8-16	4	241	241	457	457	28.0	1.9	16.6	49	8.1
Pu	1700-2000	8-16	5	241	241	344	266	23.0	1.9	16.2	51	8.3
Pu	1700-2000	8-16	6	241	241	301	204	17.0	1.9	16.3	50	8.2
Pu	1700-2000	8-16	8	241	241	260	200	18.0	1.9	16.6	70	11.6
Pu	1700-2000	GT26	1	325	325	233	233	17.0	2.1	12.7	61	7.7
Pu	1700-2000	GT26	4	325	325	271	271	17.0	2.1	12.7	61	7.7
Pu	1700-2000	GT26	5	325	325	229	176	14.0	2.1	12.5	62	7.8
Pu	1700-2000	GT26	8	325	325	218	175	14.0	2.1	12.6	70	8.8
Pu	LT1500	0-8	1	241	241	414	414	22.0	1.9	16.6	50	8.3
Pu	LT1500	0-8	4	241	241	457	457	21.2	1.9	16.6	49	8.1
Pu	LT1500	0-8	5	241	241	344	266	17.4	1.9	16.2	51	8.3
Pu	LT1500	0-8	6	241	241	301	204	12.9	1.9	16.3	50	8.2
Pu	LT1500	0-8	8	241	241	260	200	13.7	1.9	16.6	70	11.6
Pu	LT1500	16-26	1	325	325	233	233	13.0	2.1	12.7	61	7.7
Pu	LT1500	16-26	4	325	325	271	271	13.0	2.1	12.7	61	7.7
Pu	LT1500	16-26	5	325	325	229	176	10.7	2.1	12.5	62	7.8
Pu	LT1500	16-26	8	325	325	218	175	10.7	2.1	12.6	70	8.8
Pu	LT1500	8-16	1	241	241	414	414	22.0	1.9	16.6	50	8.3
Pu	LT1500	8-16	4	241	241	457	457	21.2	1.9	16.6	49	8.1
Pu	LT1500	8-16	5	241	241	344	266	17.4	1.9	16.2	51	8.3
Pu	LT1500	8-16	6	241	241	301	204	12.9	1.9	16.3	50	8.2
Pu	LT1500	8-16	8	241	241	260	200	13.7	1.9	16.6	70	11.6
Pu	LT1500	GT26	1	325	325	233	233	13.0	2.1	12.7	61	7.7
Pu	LT1500	GT26	4	325	325	271	271	13.0	2.1	12.7	61	7.7
Pu	LT1500	GT26	5	325	325	229	176	10.7	2.1	12.5	62	7.8
Pu	LT1500	GT26	8	325	325	218	175	10.7	2.1	12.6	70	8.8
Pu	GT2000	0-8	1	241	241	414	414	29.0	1.9	16.6	50	8.3
Pu	GT2000	0-8	4	241	241	457	457	28.0	1.9	16.6	49	8.1
Pu	GT2000	0-8	5	241	241	344	266	23.0	1.9	16.2	51	8.3

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psh	srsb
Pu	GT2000	0-8	6	241	241	301	204	17.0	1.9	16.3	50	8.2
Pu	GT2000	0-8	8	241	241	260	200	18.0	1.9	16.6	70	11.6
Pu	GT2000	16-26	1	325	325	233	233	17.0	2.1	12.7	61	7.7
Pu	GT2000	16-26	4	325	325	271	271	17.0	2.1	12.7	61	7.7
Pu	GT2000	16-26	5	325	325	229	176	14.0	2.1	12.5	62	7.8
Pu	GT2000	16-26	8	325	325	218	175	14.0	2.1	12.6	70	8.8
Pu	GT2000	8-16	1	241	241	414	414	29.0	1.9	16.6	50	8.3
Pu	GT2000	8-16	4	241	241	457	457	28.0	1.9	16.6	49	8.1
Pu	GT2000	8-16	5	241	241	344	266	23.0	1.9	16.2	51	8.3
Pu	GT2000	8-16	6	241	241	301	204	17.0	1.9	16.3	50	8.2
Pu	GT2000	8-16	8	241	241	260	200	18.0	1.9	16.6	70	11.6
Pu	GT2000	GT26	1	325	325	233	233	17.0	2.1	12.7	61	7.7
Pu	GT2000	GT26	4	325	325	271	271	17.0	2.1	12.7	61	7.7
Pu	GT2000	GT26	5	325	325	229	176	14.0	2.1	12.5	62	7.8
Pu	GT2000	GT26	8	325	325	218	175	14.0	2.1	12.6	70	8.8
Re	1500-1700	0-8	1	241	241	56	56	20.0	2.7	10.4	62	6.4
Re	1500-1700	0-8	4	241	241	89	89	20.0	2.7	10.4	62	6.4
Re	1500-1700	0-8	5	241	241	67	31	17.6	2.7	10.3	62	6.4
Re	1500-1700	0-8	6	241	241	47	0	10.6	2.8	10.2	63	6.4
Re	1500-1700	0-8	8	241	241	32	-7	10.6	2.8	10.2	70	7.1
Re	1500-1700	16-26	1	325	325	115	115	13.0	3.3	9.5	61	5.8
Re	1500-1700	16-26	4	325	325	146	146	13.0	3.3	9.5	61	5.8
Re	1500-1700	16-26	5	325	325	92	52	10.6	3.2	9.4	62	5.8
Re	1500-1700	16-26	8	325	325	76	44	10.6	3.2	9.5	70	6.7
Re	1500-1700	8-16	1	241	241	56	56	20.0	2.7	10.4	62	6.4
Re	1500-1700	8-16	4	241	241	89	89	20.0	2.7	10.4	62	6.4
Re	1500-1700	8-16	5	241	241	67	31	17.6	2.7	10.3	62	6.4
Re	1500-1700	8-16	6	241	241	47	0	10.6	2.8	10.2	63	6.4
Re	1500-1700	8-16	8	241	241	32	-7	10.6	2.8	10.2	70	7.1
Re	1500-1700	GT26	1	325	325	115	115	13.0	3.3	9.5	61	5.8
Re	1500-1700	GT26	4	325	325	146	146	13.0	3.3	9.5	61	5.8
Re	1500-1700	GT26	5	325	325	92	52	10.6	3.2	9.4	62	5.8
Re	1500-1700	GT26	8	325	325	76	44	10.6	3.2	9.5	70	6.7
Re	1700-2000	0-8	1	241	241	56	56	22.0	2.7	10.4	62	6.4
Re	1700-2000	0-8	4	241	241	89	89	22.0	2.7	10.4	62	6.4
Re	1700-2000	0-8	5	241	241	67	31	19.4	2.7	10.3	62	6.4
Re	1700-2000	0-8	6	241	241	47	0	11.6	2.8	10.2	63	6.4
Re	1700-2000	0-8	8	241	241	32	-7	11.6	2.8	10.2	70	7.1
Re	1700-2000	16-26	1	325	325	115	115	14.0	3.3	9.5	61	5.8
Re	1700-2000	16-26	4	325	325	146	146	14.0	3.3	9.5	61	5.8
Re	1700-2000	16-26	5	325	325	92	52	11.5	3.2	9.4	62	5.8
Re	1700-2000	16-26	8	325	325	76	44	11.5	3.2	9.5	70	6.7
Re	1700-2000	8-16	1	241	241	56	56	22.0	2.7	10.4	62	6.4
Re	1700-2000	8-16	4	241	241	89	89	22.0	2.7	10.4	62	6.4
Re	1700-2000	8-16	5	241	241	67	31	19.4	2.7	10.3	62	6.4
Re	1700-2000	8-16	6	241	241	47	0	11.6	2.8	10.2	63	6.4
Re	1700-2000	8-16	8	241	241	32	-7	11.6	2.8	10.2	70	7.1
Re	1700-2000	GT26	1	325	325	115	115	14.0	3.3	9.5	61	5.8
Re	1700-2000	GT26	4	325	325	146	146	14.0	3.3	9.5	61	5.8

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psb	srb
Re	1700-2000	GT26	5	325	325	92	52	11.5	3.2	9.4	62	5.8
Re	1700-2000	GT26	8	325	325	76	44	11.5	3.2	9.5	70	6.7
Re	LT1500	0-8	1	241	241	56	56	17.0	2.7	10.4	62	6.4
Re	LT1500	0-8	4	241	241	89	89	17.0	2.7	10.4	62	6.4
Re	LT1500	0-8	5	241	241	67	31	15.0	2.7	10.3	62	6.4
Re	LT1500	0-8	6	241	241	47	0	9.0	2.8	10.2	63	6.4
Re	LT1500	0-8	8	241	241	32	-7	9.0	2.8	10.2	70	7.1
Re	LT1500	16-26	1	325	325	115	115	11.0	3.3	9.5	61	5.8
Re	LT1500	16-26	4	325	325	146	146	11.0	3.3	9.5	61	5.8
Re	LT1500	16-26	5	325	325	92	52	9.0	3.2	9.4	62	5.8
Re	LT1500	16-26	8	325	325	76	44	9.0	3.2	9.5	70	6.7
Re	LT1500	8-16	1	241	241	56	56	17.0	2.7	10.4	62	6.4
Re	LT1500	8-16	4	241	241	89	89	17.0	2.7	10.4	62	6.4
Re	LT1500	8-16	5	241	241	67	31	15.0	2.7	10.3	62	6.4
Re	LT1500	8-16	6	241	241	47	0	9.0	2.8	10.2	63	6.4
Re	LT1500	8-16	8	241	241	32	-7	9.0	2.8	10.2	70	7.1
Re	LT1500	GT26	1	325	325	115	115	11.0	3.3	9.5	61	5.8
Re	LT1500	GT26	4	325	325	146	146	11.0	3.3	9.5	61	5.8
Re	LT1500	GT26	5	325	325	92	52	9.0	3.2	9.4	62	5.8
Re	LT1500	GT26	8	325	325	76	44	9.0	3.2	9.5	70	6.7
Re	GT2000	0-8	1	241	241	56	56	26.0	2.7	10.4	62	6.4
Re	GT2000	0-8	4	241	241	89	89	26.0	2.7	10.4	62	6.4
Re	GT2000	0-8	5	241	241	67	31	22.9	2.7	10.3	62	6.4
Re	GT2000	0-8	6	241	241	47	0	13.8	2.8	10.2	63	6.4
Re	GT2000	0-8	8	241	241	32	-7	13.8	2.8	10.2	70	7.1
Re	GT2000	16-26	1	325	325	115	115	16.0	3.3	9.5	61	5.8
Re	GT2000	16-26	4	325	325	146	146	16.0	3.3	9.5	61	5.8
Re	GT2000	16-26	5	325	325	92	52	13.1	3.2	9.4	62	5.8
Re	GT2000	16-26	8	325	325	76	44	13.1	3.2	9.5	70	6.7
Re	GT2000	8-16	1	241	241	56	56	26.0	2.7	10.4	62	6.4
Re	GT2000	8-16	4	241	241	89	89	26.0	2.7	10.4	62	6.4
Re	GT2000	8-16	5	241	241	67	31	22.9	2.7	10.3	62	6.4
Re	GT2000	8-16	6	241	241	47	0	13.8	2.8	10.2	63	6.4
Re	GT2000	8-16	8	241	241	32	-7	13.8	2.8	10.2	70	7.1
Re	GT2000	GT26	1	325	325	115	115	16.0	3.3	9.5	61	5.8
Re	GT2000	GT26	4	325	325	146	146	16.0	3.3	9.5	61	5.8
Re	GT2000	GT26	5	325	325	92	52	13.1	3.2	9.4	62	5.8
Re	GT2000	GT26	8	325	325	76	44	13.1	3.2	9.5	70	6.7
Or	1500-1700	0-8	1	241	241	56	56	20.0	2.7	10.4	62	6.4
Or	1500-1700	0-8	4	241	241	89	89	20.0	2.7	10.4	62	6.4
Or	1500-1700	0-8	5	241	241	67	31	17.6	2.7	10.3	62	6.4
Or	1500-1700	0-8	6	241	241	47	0	10.6	2.8	10.2	63	6.4
Or	1500-1700	0-8	8	241	241	32	-7	10.6	2.8	10.2	70	7.1
Or	1500-1700	16-26	1	325	325	115	115	13.0	3.3	9.5	61	5.8
Or	1500-1700	16-26	4	325	325	146	146	13.0	3.3	9.5	61	5.8
Or	1500-1700	16-26	5	325	325	92	52	10.6	3.2	9.4	62	5.8
Or	1500-1700	16-26	8	325	325	76	44	10.6	3.2	9.5	70	6.7
Or	1500-1700	8-16	1	241	241	56	56	20.0	2.7	10.4	62	6.4
Or	1500-1700	8-16	4	241	241	89	89	20.0	2.7	10.4	62	6.4

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psb	srb
Or	1500-1700	8-16	5	241	241	67	31	17.6	2.7	10.3	62	6.4
Or	1500-1700	8-16	6	241	241	47	0	10.6	2.8	10.2	63	6.4
Or	1500-1700	8-16	8	241	241	32	-7	10.6	2.8	10.2	70	7.1
Or	LT1500	0-8	1	241	241	56	56	17.0	2.7	10.4	62	6.4
Or	LT1500	0-8	4	241	241	89	89	17.0	2.7	10.4	62	6.4
Or	LT1500	0-8	5	241	241	67	31	15.0	2.7	10.3	62	6.4
Or	LT1500	0-8	6	241	241	47	0	9.0	2.8	10.2	63	6.4
Or	LT1500	0-8	8	241	241	32	-7	9.0	2.8	10.2	70	7.1
Or	LT1500	16-26	1	325	325	115	115	11.0	3.3	9.5	61	5.8
Or	LT1500	16-26	4	325	325	146	146	11.0	3.3	9.5	61	5.8
Or	LT1500	16-26	5	325	325	92	52	9.0	3.2	9.4	62	5.8
Or	LT1500	16-26	8	325	325	76	44	9.0	3.2	9.5	70	6.7
Or	LT1500	8-16	1	325	325	115	115	11.0	3.3	9.5	61	5.8
Or	LT1500	8-16	4	325	325	146	146	11.0	3.3	9.5	61	5.8
Or	LT1500	8-16	5	325	325	92	52	9.0	3.2	9.4	62	5.8
Or	LT1500	8-16	8	325	325	76	44	9.0	3.2	9.5	70	6.7
other	1500-1700	0-8	1	241	241	376	376	26.0	3.3	17.9	46	8.2
other	1500-1700	0-8	2	241	241	382	382	27.0	3.3	17.6	45	7.9
other	1500-1700	0-8	4	241	241	428	428	27.0	3.3	17.6	45	7.9
other	1500-1700	0-8	5	241	241	288	193	20.0	3.2	17.1	46	7.9
other	1500-1700	0-8	6	241	241	243	140	16.0	3.3	16.9	47	7.9
other	1500-1700	0-8	8	241	241	200	139	17.0	3.3	17.3	70	12.1
other	1500-1700	16-26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
other	1500-1700	16-26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
other	1500-1700	16-26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
other	1500-1700	16-26	8	325	325	183	140	13.0	3.7	12.8	70	9
other	1500-1700	8-16	1	241	241	376	376	26.0	3.3	17.9	46	8.2
other	1500-1700	8-16	2	241	241	382	382	27.0	3.3	17.6	45	7.9
other	1500-1700	8-16	4	241	241	428	428	27.0	3.3	17.6	45	7.9
other	1500-1700	8-16	5	241	241	288	193	20.0	3.2	17.1	46	7.9
other	1500-1700	8-16	6	241	241	243	140	16.0	3.3	16.9	47	7.9
other	1500-1700	8-16	8	241	241	200	139	17.0	3.3	17.3	70	12.1
other	1500-1700	GT26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
other	1500-1700	GT26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
other	1500-1700	GT26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
other	1500-1700	GT26	8	325	325	183	140	13.0	3.7	12.8	70	9
other	1700-2000	0-8	1	241	241	376	376	26.0	3.3	17.9	46	8.2
other	1700-2000	0-8	2	241	241	382	382	27.0	3.3	17.6	45	7.9
other	1700-2000	0-8	4	241	241	428	428	27.0	3.3	17.6	45	7.9
other	1700-2000	0-8	5	241	241	288	193	20.0	3.2	17.1	46	7.9
other	1700-2000	0-8	6	241	241	243	140	16.0	3.3	16.9	47	7.9
other	1700-2000	0-8	8	241	241	200	139	17.0	3.3	17.3	70	12.1
other	1700-2000	16-26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
other	1700-2000	16-26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
other	1700-2000	16-26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
other	1700-2000	16-26	8	325	325	183	140	13.0	3.7	12.8	70	9
other	1700-2000	8-16	1	241	241	376	376	26.0	3.3	17.9	46	8.2
other	1700-2000	8-16	2	241	241	382	382	27.0	3.3	17.6	45	7.9
other	1700-2000	8-16	4	241	241	428	428	27.0	3.3	17.6	45	7.9

soil	rain	slope	mosd	fa	fe	op420	op375	nl	pl	sr	psh	srsb
other	1700-2000	8-16	5	241	241	288	193	20.0	3.2	17.1	46	7.9
other	1700-2000	8-16	6	241	241	243	140	16.0	3.3	16.9	47	7.9
other	1700-2000	8-16	8	241	241	200	139	17.0	3.3	17.3	70	12.1
other	1700-2000	GT26	1	325	325	198	198	15.0	3.7	12.8	60	7.7
other	1700-2000	GT26	4	325	325	238	238	15.0	3.7	12.9	60	7.7
other	1700-2000	GT26	5	325	325	198	141	13.0	3.7	12.8	60	7.7
other	1700-2000	GT26	8	325	325	183	140	13.0	3.7	12.8	70	9
other	LT1500	0-8	1	241	241	376	376	26.0	3.3	17.9	46	8.2
other	LT1500	0-8	2	241	241	382	382	27.0	3.3	17.6	45	7.9
other	LT1500	0-8	4	241	241	428	428	27.0	3.3	17.6	45	7.9
other	LT1500	0-8	5	241	241	288	193	20.0	3.2	17.1	46	7.9
other	LT1500	0-8	6	241	241	243	140	16.0	3.3	16.9	47	7.9
other	LT1500	0-8	8	241	241	200	139	17.0	3.3	17.3	70	12.1
other	GT2000	0-8	1	241	241	368	368	37.0	3.5	18.9	43	8.1
other	GT2000	0-8	2	241	241	368	368	35.0	3.5	18.7	44	8.2
other	GT2000	0-8	4	241	241	397	397	35.0	3.5	18.8	46	8.6
other	GT2000	0-8	5	241	241	232	135	26.0	3.4	18.1	48	8.7
other	GT2000	0-8	6	241	241	222	111	21.0	3.4	18.1	48	8.7
other	GT2000	0-8	8	241	241	187	120	22.0	3.5	18.2	70	12.7
other	GT2000	16-26	1	325	325	174	169	21.0	4.2	14.1	53	7.5
other	GT2000	16-26	2	325	325	184	179	20.0	4.2	13.9	54	7.5
other	GT2000	16-26	4	325	325	217	211	20.0	4.2	13.9	57	7.9
other	GT2000	16-26	5	325	325	176	121	17.0	4.2	13.8	58	8
other	GT2000	16-26	8	325	325	159	123	18.0	4.2	14	70	9.8
other	GT2000	8-16	1	241	241	368	368	37.0	3.5	18.9	43	8.1
other	GT2000	8-16	2	241	241	368	368	35.0	3.5	18.7	44	8.2
other	GT2000	8-16	4	241	241	397	397	35.0	3.5	18.8	46	8.6
other	GT2000	8-16	5	241	241	232	135	26.0	3.4	18.1	48	8.7
other	GT2000	8-16	6	241	241	222	111	21.0	3.4	18.1	48	8.7
other	GT2000	8-16	8	241	241	187	120	22.0	3.5	18.2	70	12.7

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
Al	1500-1700	0-8	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	1500-1700	0-8	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	1500-1700	0-8	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	1500-1700	0-8	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6
Al	1500-1700	0-8	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	1500-1700	16-26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	1500-1700	16-26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	1500-1700	16-26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	1500-1700	16-26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Al	1500-1700	8-16	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	1500-1700	8-16	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	1500-1700	8-16	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	1500-1700	8-16	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6
Al	1500-1700	8-16	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	1500-1700	GT26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	1500-1700	GT26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	1500-1700	GT26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	1500-1700	GT26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Al	1700-2000	0-8	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	1700-2000	0-8	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	1700-2000	0-8	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	1700-2000	0-8	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6
Al	1700-2000	0-8	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	1700-2000	16-26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	1700-2000	16-26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	1700-2000	16-26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	1700-2000	16-26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Al	1700-2000	8-16	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	1700-2000	8-16	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	1700-2000	8-16	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	1700-2000	8-16	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6
Al	1700-2000	8-16	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	1700-2000	GT26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	1700-2000	GT26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	1700-2000	GT26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	1700-2000	GT26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Al	LT1500	0-8	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	LT1500	0-8	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	LT1500	0-8	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	LT1500	0-8	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6
Al	LT1500	0-8	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	LT1500	16-26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	LT1500	16-26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	LT1500	16-26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	LT1500	16-26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Al	LT1500	8-16	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	LT1500	8-16	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	LT1500	8-16	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	LT1500	8-16	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
Al	LT1500	8-16	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	LT1500	GT26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	LT1500	GT26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	LT1500	GT26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	LT1500	GT26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Al	GT2000	0-8	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	GT2000	0-8	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	GT2000	0-8	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	GT2000	0-8	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6
Al	GT2000	0-8	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	GT2000	16-26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	GT2000	16-26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	GT2000	16-26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	GT2000	16-26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Al	GT2000	8-16	1	39	5.2	168	0.70	189	189	9	0	0.5	38.3
Al	GT2000	8-16	4	39	5.2	168	0.70	189	189	9	0	0.5	37.6
Al	GT2000	8-16	5	39	5.2	168	0.70	0	0	9	0	0.5	37.6
Al	GT2000	8-16	6	41	5.7	0	0.00	0	0	4	0	0.5	37.6
Al	GT2000	8-16	8	30	4.2	0	0.00	0	0	4	0	0.5	45.7
Al	GT2000	GT26	1	36	4.4	0	0.00	238	238	1	0	0.1	36.4
Al	GT2000	GT26	4	36	4.4	0	0.00	238	238	1	0	0.1	35.9
Al	GT2000	GT26	5	35	4.2	0	0.00	0	0	1	0	0.1	35.9
Al	GT2000	GT26	8	30	3.6	0	0.00	0	0	1	0	0.1	39
Po	1500-1700	0-8	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
Po	1500-1700	0-8	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
Po	1500-1700	0-8	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
Po	1500-1700	0-8	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
Po	1500-1700	0-8	6	53	9	0	0.00	0	0	15	0	0.8	37.8
Po	1500-1700	0-8	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
Po	1500-1700	16-26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
Po	1500-1700	16-26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
Po	1500-1700	16-26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
Po	1500-1700	16-26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
Po	1500-1700	8-16	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
Po	1500-1700	8-16	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
Po	1500-1700	8-16	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
Po	1500-1700	8-16	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
Po	1500-1700	8-16	6	53	9	0	0.00	0	0	15	0	0.8	37.8
Po	1500-1700	8-16	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
Po	1500-1700	GT26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
Po	1500-1700	GT26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
Po	1500-1700	GT26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
Po	1500-1700	GT26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
Po	1700-2000	0-8	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
Po	1700-2000	0-8	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
Po	1700-2000	0-8	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
Po	1700-2000	0-8	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
Po	1700-2000	0-8	6	53	9	0	0.00	0	0	15	0	0.8	37.8
Po	1700-2000	0-8	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
Po	1700-2000	16-26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
Po	1700-2000	16-26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
Po	1700-2000	16-26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
Po	1700-2000	16-26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
Po	1700-2000	8-16	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
Po	1700-2000	8-16	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
Po	1700-2000	8-16	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
Po	1700-2000	8-16	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
Po	1700-2000	8-16	6	53	9	0	0.00	0	0	15	0	0.8	37.8
Po	1700-2000	8-16	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
Po	1700-2000	GT26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
Po	1700-2000	GT26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
Po	1700-2000	GT26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
Po	1700-2000	GT26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
Po	GT2000	0-8	1	57	10.8	203	0.84	416	416	38	8	1.6	38.7
Po	GT2000	0-8	2	56	10.5	199	0.83	408	408	30	0	1.6	38.7
Po	GT2000	0-8	4	54	10.2	191	0.79	392	392	30	0	1.6	40.1
Po	GT2000	0-8	5	52	9.4	191	0.79	0	0	30	0	1.6	40.1
Po	GT2000	0-8	6	52	9.4	0	0.00	0	0	25	0	1.3	40.1
Po	GT2000	0-8	8	30	5.5	0	0.00	0	0	25	0	1.3	59.1
Po	GT2000	16-26	1	47	6.6	0	0.00	343	343	21	3	0.5	35.8
Po	GT2000	16-26	2	46	6.4	0	0.00	328	328	18	0	0.5	35.8
Po	GT2000	16-26	4	43	6	0	0.00	305	305	18	0	0.5	36.7
Po	GT2000	16-26	5	42	5.8	0	0.00	0	0	18	0	0.5	36.7
Po	GT2000	16-26	8	30	4.2	0	0.00	0	0	18	0	0.5	45.2
Po	GT2000	8-16	1	57	10.8	203	0.84	416	416	38	8	1.6	38.7
Po	GT2000	8-16	2	56	10.5	199	0.83	408	408	30	0	1.6	38.7
Po	GT2000	8-16	4	54	10.2	191	0.79	392	392	30	0	1.6	40.1
Po	GT2000	8-16	5	52	9.4	191	0.79	0	0	30	0	1.6	40.1
Po	GT2000	8-16	6	52	9.4	0	0.00	0	0	25	0	1.3	40.1
Po	GT2000	8-16	8	30	5.5	0	0.00	0	0	25	0	1.3	59.1
Po	GT2000	GT26	1	47	6.6	0	0.00	343	343	21	3	0.5	35.8
Po	GT2000	GT26	2	46	6.4	0	0.00	328	328	18	0	0.5	35.8
Po	GT2000	GT26	4	43	6	0	0.00	305	305	18	0	0.5	36.7
Po	GT2000	GT26	5	42	5.8	0	0.00	0	0	18	0	0.5	36.7
Po	GT2000	GT26	8	30	4.2	0	0.00	0	0	18	0	0.5	45.2
Po	GT2000	other	1	47	6.6	0	0.00	343	343	21	3	0.5	35.8
Po	GT2000	other	2	46	6.4	0	0.00	328	328	18	0	0.5	35.8
Po	GT2000	other	4	43	6	0	0.00	305	305	18	0	0.5	36.7
Po	GT2000	other	5	42	5.8	0	0.00	0	0	18	0	0.5	36.7
Po	GT2000	other	8	30	4.2	0	0.00	0	0	18	0	0.5	45.2
Pu	1500-1700	0-8	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	1500-1700	0-8	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	1500-1700	0-8	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7
Pu	1500-1700	0-8	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	1500-1700	0-8	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	1500-1700	16-26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	1500-1700	16-26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	1500-1700	16-26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
Pu	1500-1700	16-26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Pu	1500-1700	8-16	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	1500-1700	8-16	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	1500-1700	8-16	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7
Pu	1500-1700	8-16	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	1500-1700	8-16	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	1500-1700	GT26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	1500-1700	GT26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	1500-1700	GT26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7
Pu	1500-1700	GT26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Pu	1700-2000	0-8	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	1700-2000	0-8	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	1700-2000	0-8	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7
Pu	1700-2000	0-8	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	1700-2000	0-8	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	1700-2000	16-26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	1700-2000	16-26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	1700-2000	16-26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7
Pu	1700-2000	16-26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Pu	1700-2000	8-16	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	1700-2000	8-16	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	1700-2000	8-16	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7
Pu	1700-2000	8-16	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	1700-2000	8-16	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	1700-2000	GT26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	1700-2000	GT26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	1700-2000	GT26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7
Pu	1700-2000	GT26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Pu	LT1500	0-8	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	LT1500	0-8	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	LT1500	0-8	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7
Pu	LT1500	0-8	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	LT1500	0-8	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	LT1500	16-26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	LT1500	16-26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	LT1500	16-26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7
Pu	LT1500	16-26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Pu	LT1500	8-16	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	LT1500	8-16	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	LT1500	8-16	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7
Pu	LT1500	8-16	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	LT1500	8-16	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	LT1500	GT26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	LT1500	GT26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	LT1500	GT26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7
Pu	LT1500	GT26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Pu	GT2000	0-8	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	GT2000	0-8	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	GT2000	0-8	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
Pu	GT2000	0-8	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	GT2000	0-8	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	GT2000	16-26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	GT2000	16-26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	GT2000	16-26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7
Pu	GT2000	16-26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Pu	GT2000	8-16	1	50	8.3	233	0.97	307	307	13	0	0.7	38.7
Pu	GT2000	8-16	4	51	8.5	233	0.97	307	307	13	0	0.7	37.8
Pu	GT2000	8-16	5	49	7.9	233	0.97	0	0	13	0	0.7	37.7
Pu	GT2000	8-16	6	50	8.2	0	0.00	0	0	8	0	0.5	37.7
Pu	GT2000	8-16	8	30	5	0	0.00	0	0	8	0	0.5	54.1
Pu	GT2000	GT26	1	39	5	0	0.00	327	327	1	0	0.1	36.4
Pu	GT2000	GT26	4	39	5	0	0.00	327	327	1	0	0.1	35.7
Pu	GT2000	GT26	5	38	4.8	0	0.00	0	0	1	0	0.1	35.7
Pu	GT2000	GT26	8	30	3.8	0	0.00	0	0	1	0	0.1	40.4
Re	1500-1700	0-8	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	1500-1700	0-8	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	1500-1700	0-8	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	1500-1700	0-8	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	1500-1700	0-8	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	1500-1700	16-26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	1500-1700	16-26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Re	1500-1700	16-26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	1500-1700	16-26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Re	1500-1700	8-16	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	1500-1700	8-16	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	1500-1700	8-16	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	1500-1700	8-16	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	1500-1700	8-16	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	1500-1700	GT26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	1500-1700	GT26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Re	1500-1700	GT26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	1500-1700	GT26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Re	1700-2000	0-8	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	1700-2000	0-8	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	1700-2000	0-8	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	1700-2000	0-8	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	1700-2000	0-8	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	1700-2000	16-26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	1700-2000	16-26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Re	1700-2000	16-26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	1700-2000	16-26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Re	1700-2000	8-16	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	1700-2000	8-16	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	1700-2000	8-16	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	1700-2000	8-16	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	1700-2000	8-16	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	1700-2000	GT26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	1700-2000	GT26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
Re	1700-2000	GT26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	1700-2000	GT26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Re	LT1500	0-8	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	LT1500	0-8	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	LT1500	0-8	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	LT1500	0-8	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	LT1500	0-8	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	LT1500	16-26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	LT1500	16-26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Re	LT1500	16-26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	LT1500	16-26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Re	LT1500	8-16	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	LT1500	8-16	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	LT1500	8-16	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	LT1500	8-16	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	LT1500	8-16	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	LT1500	GT26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	LT1500	GT26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Re	LT1500	GT26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	LT1500	GT26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Re	GT2000	0-8	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	GT2000	0-8	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	GT2000	0-8	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	GT2000	0-8	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	GT2000	0-8	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	GT2000	16-26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	GT2000	16-26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Re	GT2000	16-26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	GT2000	16-26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Re	GT2000	8-16	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Re	GT2000	8-16	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Re	GT2000	8-16	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Re	GT2000	8-16	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Re	GT2000	8-16	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Re	GT2000	GT26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Re	GT2000	GT26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Re	GT2000	GT26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Re	GT2000	GT26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Or	1500-1700	0-8	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Or	1500-1700	0-8	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Or	1500-1700	0-8	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Or	1500-1700	0-8	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Or	1500-1700	0-8	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Or	1500-1700	16-26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Or	1500-1700	16-26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Or	1500-1700	16-26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Or	1500-1700	16-26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Or	1500-1700	8-16	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Or	1500-1700	8-16	4	38	4	152	0.63	171	171	9	0	0.526	32.4

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
Or	1500-1700	8-16	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Or	1500-1700	8-16	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Or	1500-1700	8-16	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Or	LT1500	0-8	1	38	4	152	0.63	171	171	9	0	0.526	32.9
Or	LT1500	0-8	4	38	4	152	0.63	171	171	9	0	0.526	32.4
Or	LT1500	0-8	5	38	3.9	152	0.63	0	0	9	0	0.526	32.4
Or	LT1500	0-8	6	37	3.8	0	0.00	0	0	4	0	0.317	32.4
Or	LT1500	0-8	8	30	3.1	0	0.00	0	0	4	0	0.317	36.1
Or	LT1500	16-26	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Or	LT1500	16-26	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Or	LT1500	16-26	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Or	LT1500	16-26	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
Or	LT1500	8-16	1	39	3.7	0	0.00	205	205	1	0	0.1	30
Or	LT1500	8-16	4	39	3.7	0	0.00	205	205	1	0	0.1	29.6
Or	LT1500	8-16	5	38	3.6	0	0.00	0	0	1	0	0.1	29.6
Or	LT1500	8-16	8	30	2.9	0	0.00	0	0	1	0	0.1	33.7
other	1500-1700	0-8	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
other	1500-1700	0-8	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
other	1500-1700	0-8	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
other	1500-1700	0-8	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
other	1500-1700	0-8	6	53	9	0	0.00	0	0	15	0	0.8	37.8
other	1500-1700	0-8	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
other	1500-1700	16-26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
other	1500-1700	16-26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
other	1500-1700	16-26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
other	1500-1700	16-26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
other	1500-1700	8-16	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
other	1500-1700	8-16	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
other	1500-1700	8-16	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
other	1500-1700	8-16	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
other	1500-1700	8-16	6	53	9	0	0.00	0	0	15	0	0.8	37.8
other	1500-1700	8-16	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
other	1500-1700	GT26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
other	1500-1700	GT26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
other	1500-1700	GT26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
other	1500-1700	GT26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
other	1700-2000	0-8	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
other	1700-2000	0-8	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
other	1700-2000	0-8	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
other	1700-2000	0-8	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
other	1700-2000	0-8	6	53	9	0	0.00	0	0	15	0	0.8	37.8
other	1700-2000	0-8	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
other	1700-2000	16-26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
other	1700-2000	16-26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
other	1700-2000	16-26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
other	1700-2000	16-26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
other	1700-2000	8-16	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
other	1700-2000	8-16	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
other	1700-2000	8-16	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8

soil	rain	slope	mosd	pca	srca	go	srGo	r1	r2	nft	nfp	su	wp
other	1700-2000	8-16	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
other	1700-2000	8-16	6	53	9	0	0.00	0	0	15	0	0.8	37.8
other	1700-2000	8-16	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
other	1700-2000	GT26	1	40	5.1	0	0.00	343	343	12	0	0.5	36.4
other	1700-2000	GT26	4	40	5.2	0	0.00	343	343	12	0	0.5	35.6
other	1700-2000	GT26	5	40	5.1	0	0.00	0	0	12	0	0.5	35.6
other	1700-2000	GT26	8	30	3.8	0	0.00	0	0	12	0	0.5	41.6
other	LT1500	0-8	1	54	9.7	158	0.66	375	375	27	7	1.1	38.7
other	LT1500	0-8	2	55	9.7	158	0.66	375	375	20	0	1.1	37.2
other	LT1500	0-8	4	55	9.7	158	0.66	375	375	20	0	1.1	37.8
other	LT1500	0-8	5	54	9.2	158	0.66	0	0	20	0	1.1	37.8
other	LT1500	0-8	6	53	9	0	0.00	0	0	15	0	0.8	37.8
other	LT1500	0-8	8	30	5.2	0	0.00	0	0	15	0	0.8	57.9
other	GT2000	0-8	1	57	10.8	203	0.84	416	416	38	8	1.6	38.7
other	GT2000	0-8	2	56	10.5	199	0.83	408	408	30	0	1.6	38.7
other	GT2000	0-8	4	54	10.2	191	0.79	392	392	30	0	1.6	40.1
other	GT2000	0-8	5	52	9.4	191	0.79	0	0	30	0	1.6	40.1
other	GT2000	0-8	6	52	9.4	0	0.00	0	0	25	0	1.3	40.1
other	GT2000	0-8	8	30	5.5	0	0.00	0	0	25	0	1.3	59.1
other	GT2000	16-26	1	47	6.6	0	0.00	343	343	21	3	0.5	35.8
other	GT2000	16-26	2	46	6.4	0	0.00	328	328	18	0	0.5	35.8
other	GT2000	16-26	4	43	6	0	0.00	305	305	18	0	0.5	36.7
other	GT2000	16-26	5	42	5.8	0	0.00	0	0	18	0	0.5	36.7
other	GT2000	16-26	8	30	4.2	0	0.00	0	0	18	0	0.5	45.2
other	GT2000	8-16	1	57	10.8	203	0.84	416	416	38	8	1.6	38.7
other	GT2000	8-16	2	56	10.5	199	0.83	408	408	30	0	1.6	38.7
other	GT2000	8-16	4	54	10.2	191	0.79	392	392	30	0	1.6	40.1
other	GT2000	8-16	5	52	9.4	191	0.79	0	0	30	0	1.6	40.1
other	GT2000	8-16	6	52	9.4	0	0.00	0	0	25	0	1.3	40.1
other	GT2000	8-16	8	30	5.5	0	0.00	0	0	25	0	1.3	59.1

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
AI	1500-1700	0-8	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
AI	1500-1700	0-8	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
AI	1500-1700	0-8	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
AI	1500-1700	0-8	6	125.2	198.9	1	493.70	115.32	41.34	650.35
AI	1500-1700	0-8	8	152.9	143.6	1	601.34	140.02	50.37	791.73
AI	1500-1700	16-26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
AI	1500-1700	16-26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
AI	1500-1700	16-26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
AI	1500-1700	16-26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
AI	1500-1700	8-16	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
AI	1500-1700	8-16	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
AI	1500-1700	8-16	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
AI	1500-1700	8-16	6	125.2	198.9	1	493.70	115.32	41.34	650.35
AI	1500-1700	8-16	8	152.9	143.6	1	601.34	140.02	50.37	791.73
AI	1500-1700	GT26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
AI	1500-1700	GT26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
AI	1500-1700	GT26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
AI	1500-1700	GT26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
AI	1700-2000	0-8	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
AI	1700-2000	0-8	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
AI	1700-2000	0-8	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
AI	1700-2000	0-8	6	125.2	198.9	1	493.70	115.32	41.34	650.35
AI	1700-2000	0-8	8	152.9	143.6	1	601.34	140.02	50.37	791.73
AI	1700-2000	16-26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
AI	1700-2000	16-26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
AI	1700-2000	16-26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
AI	1700-2000	16-26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
AI	1700-2000	8-16	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
AI	1700-2000	8-16	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
AI	1700-2000	8-16	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
AI	1700-2000	8-16	6	125.2	198.9	1	493.70	115.32	41.34	650.35
AI	1700-2000	8-16	8	152.9	143.6	1	601.34	140.02	50.37	791.73
AI	1700-2000	GT26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
AI	1700-2000	GT26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
AI	1700-2000	GT26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
AI	1700-2000	GT26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
AI	LT1500	0-8	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
AI	LT1500	0-8	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
AI	LT1500	0-8	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
AI	LT1500	0-8	6	125.2	198.9	1	493.70	115.32	41.34	650.35
AI	LT1500	0-8	8	152.9	143.6	1	601.34	140.02	50.37	791.73
AI	LT1500	16-26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
AI	LT1500	16-26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
AI	LT1500	16-26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
AI	LT1500	16-26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
AI	LT1500	8-16	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
AI	LT1500	8-16	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
AI	LT1500	8-16	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
AI	LT1500	8-16	6	125.2	198.9	1	493.70	115.32	41.34	650.35

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
Al	LT1500	8-16	8	152.9	143.6	1	601.34	140.02	50.37	791.73
Al	LT1500	GT26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
Al	LT1500	GT26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
Al	LT1500	GT26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
Al	LT1500	GT26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
Al	GT2000	0-8	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
Al	GT2000	0-8	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
Al	GT2000	0-8	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
Al	GT2000	0-8	6	125.2	198.9	1	493.70	115.32	41.34	650.35
Al	GT2000	0-8	8	152.9	143.6	1	601.34	140.02	50.37	791.73
Al	GT2000	16-26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
Al	GT2000	16-26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
Al	GT2000	16-26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
Al	GT2000	16-26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
Al	GT2000	8-16	1	117.3	128.6	0.9	490.36	120.85	0.00	611.21
Al	GT2000	8-16	4	125.23	128.6	0.9	493.70	115.32	41.34	650.35
Al	GT2000	8-16	5	125.2	169.3	0.9	493.70	115.32	41.34	650.35
Al	GT2000	8-16	6	125.2	198.9	1	493.70	115.32	41.34	650.35
Al	GT2000	8-16	8	152.9	143.6	1	601.34	140.02	50.37	791.73
Al	GT2000	GT26	1	111.3	112.8	1.1	457.74	112.92	0.00	570.66
Al	GT2000	GT26	4	117.9	112.8	1.1	499.66	108.40	0.00	608.06
Al	GT2000	GT26	5	117.9	148.8	1.1	499.66	108.40	0.00	608.06
Al	GT2000	GT26	8	128.1	126.5	1.1	542.30	117.84	0.24	660.38
Po	1500-1700	0-8	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
Po	1500-1700	0-8	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
Po	1500-1700	0-8	4	116	245.1	1.2	481.54	116.25	41.08	638.87
Po	1500-1700	0-8	5	116	307.8	1.2	481.54	116.25	41.08	638.87
Po	1500-1700	0-8	6	116	215.6	1.2	481.54	116.25	41.08	638.87
Po	1500-1700	0-8	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
Po	1500-1700	16-26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
Po	1500-1700	16-26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
Po	1500-1700	16-26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
Po	1500-1700	16-26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
Po	1500-1700	8-16	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
Po	1500-1700	8-16	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
Po	1500-1700	8-16	4	116	245.1	1.2	481.54	116.25	41.08	638.87
Po	1500-1700	8-16	5	116	307.8	1.2	481.54	116.25	41.08	638.87
Po	1500-1700	8-16	6	116	215.6	1.2	481.54	116.25	41.08	638.87
Po	1500-1700	8-16	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
Po	1500-1700	GT26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
Po	1500-1700	GT26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
Po	1500-1700	GT26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
Po	1500-1700	GT26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
Po	1700-2000	0-8	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
Po	1700-2000	0-8	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
Po	1700-2000	0-8	4	116	245.1	1.2	481.54	116.25	41.08	638.87
Po	1700-2000	0-8	5	116	307.8	1.2	481.54	116.25	41.08	638.87
Po	1700-2000	0-8	6	116	215.6	1.2	481.54	116.25	41.08	638.87
Po	1700-2000	0-8	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
Po	1700-2000	16-26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
Po	1700-2000	16-26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
Po	1700-2000	16-26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
Po	1700-2000	16-26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
Po	1700-2000	8-16	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
Po	1700-2000	8-16	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
Po	1700-2000	8-16	4	116	245.1	1.2	481.54	116.25	41.08	638.87
Po	1700-2000	8-16	5	116	307.8	1.2	481.54	116.25	41.08	638.87
Po	1700-2000	8-16	6	116	215.6	1.2	481.54	116.25	41.08	638.87
Po	1700-2000	8-16	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
Po	1700-2000	GT26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
Po	1700-2000	GT26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
Po	1700-2000	GT26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
Po	1700-2000	GT26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
Po	GT2000	0-8	1	118.4	273.5	1.3	494.90	121.91	0.00	616.80
Po	GT2000	0-8	2	118.4	268.2	1.3	494.90	121.91	0.00	616.80
Po	GT2000	0-8	4	132.3	257.6	1.3	529.62	122.95	43.32	695.90
Po	GT2000	0-8	5	132.3	313.7	1.3	529.62	122.95	43.32	695.90
Po	GT2000	0-8	6	132.3	327.7	1.3	529.62	122.95	43.32	695.90
Po	GT2000	0-8	8	195.6	183.5	1.3	779.12	181.16	66.40	1026.69
Po	GT2000	16-26	1	110	172.3	1.3	446.38	110.72	0.00	557.10
Po	GT2000	16-26	2	110	166.4	1.3	446.38	110.72	0.00	557.10
Po	GT2000	16-26	4	124.4	157	1.3	513.68	113.01	0.00	626.69
Po	GT2000	16-26	5	124.4	189.3	1.3	513.68	113.01	0.00	626.69
Po	GT2000	16-26	8	153.5	131.7	1.3	634.44	139.19	0.36	773.99
Po	GT2000	8-16	1	118.4	273.5	1.3	494.90	121.91	0.00	616.80
Po	GT2000	8-16	2	118.4	268.2	1.3	494.90	121.91	0.00	616.80
Po	GT2000	8-16	4	132.3	257.6	1.3	529.62	122.95	43.32	695.90
Po	GT2000	8-16	5	132.3	313.7	1.3	529.62	122.95	43.32	695.90
Po	GT2000	8-16	6	132.3	327.7	1.3	529.62	122.95	43.32	695.90
Po	GT2000	8-16	8	195.6	183.5	1.3	779.12	181.16	66.40	1026.69
Po	GT2000	GT26	1	110	172.3	1.3	446.38	110.72	0.00	557.10
Po	GT2000	GT26	2	110	166.4	1.3	446.38	110.72	0.00	557.10
Po	GT2000	GT26	4	124.4	157	1.3	513.68	113.01	0.00	626.69
Po	GT2000	GT26	5	124.4	189.3	1.3	513.68	113.01	0.00	626.69
Po	GT2000	GT26	8	153.5	131.7	1.3	634.44	139.19	0.36	773.99
Po	GT2000	other	1	110	172.3	1.3	446.38	110.72	0.00	557.10
Po	GT2000	other	2	110	166.4	1.3	446.38	110.72	0.00	557.10
Po	GT2000	other	4	124.4	157	1.3	513.68	113.01	0.00	626.69
Po	GT2000	other	5	124.4	189.3	1.3	513.68	113.01	0.00	626.69
Po	GT2000	other	8	153.5	131.7	1.3	634.44	139.19	0.36	773.99
Pu	1500-1700	0-8	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	1500-1700	0-8	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	1500-1700	0-8	5	125.5	260	1.1	495.32	115.68	41.34	652.33
Pu	1500-1700	0-8	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	1500-1700	0-8	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	1500-1700	16-26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	1500-1700	16-26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	1500-1700	16-26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
Pu	1500-1700	16-26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Pu	1500-1700	8-16	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	1500-1700	8-16	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	1500-1700	8-16	5	125.5	260	1.1	495.32	115.68	41.34	652.33
Pu	1500-1700	8-16	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	1500-1700	8-16	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	1500-1700	GT26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	1500-1700	GT26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	1500-1700	GT26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22
Pu	1500-1700	GT26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Pu	1700-2000	0-8	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	1700-2000	0-8	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	1700-2000	0-8	5	125.5	260	1.1	495.32	115.68	41.34	652.33
Pu	1700-2000	0-8	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	1700-2000	0-8	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	1700-2000	16-26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	1700-2000	16-26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	1700-2000	16-26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22
Pu	1700-2000	16-26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Pu	1700-2000	8-16	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	1700-2000	8-16	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	1700-2000	8-16	5	125.5	260	1.1	495.32	115.68	41.34	652.33
Pu	1700-2000	8-16	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	1700-2000	8-16	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	1700-2000	GT26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	1700-2000	GT26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	1700-2000	GT26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22
Pu	1700-2000	GT26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Pu	LT1500	0-8	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	LT1500	0-8	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	LT1500	0-8	5	125.5	260	1.1	495.32	115.68	41.34	652.33
Pu	LT1500	0-8	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	LT1500	0-8	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	LT1500	16-26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	LT1500	16-26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	LT1500	16-26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22
Pu	LT1500	16-26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Pu	LT1500	8-16	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	LT1500	8-16	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	LT1500	8-16	5	125.5	260	1.1	495.32	115.68	41.34	652.33
Pu	LT1500	8-16	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	LT1500	8-16	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	LT1500	GT26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	LT1500	GT26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	LT1500	GT26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22
Pu	LT1500	GT26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Pu	GT2000	0-8	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	GT2000	0-8	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	GT2000	0-8	5	125.5	260	1.1	495.32	115.68	41.34	652.33

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
Pu	GT2000	0-8	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	GT2000	0-8	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	GT2000	16-26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	GT2000	16-26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	GT2000	16-26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22
Pu	GT2000	16-26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Pu	GT2000	8-16	1	118.4	207	1.2	489.12	121.43	0.00	610.55
Pu	GT2000	8-16	4	125.7	207	1.2	495.32	115.68	41.34	652.33
Pu	GT2000	8-16	5	125.5	260	1.1	495.32	115.68	41.34	652.33
Pu	GT2000	8-16	6	125.5	283.3	1.1	495.43	115.67	41.34	652.44
Pu	GT2000	8-16	8	180.4	168.7	1.2	709.87	165.76	60.24	935.88
Pu	GT2000	GT26	1	111.3	125	1.2	457.74	112.92	0.00	570.66
Pu	GT2000	GT26	4	117.1	125	1.2	460.67	107.89	37.66	606.22
Pu	GT2000	GT26	5	117.2	166.8	1.2	460.67	107.89	37.66	606.22
Pu	GT2000	GT26	8	132.6	133.7	1.2	562.22	123.50	0.00	685.72
Re	1500-1700	0-8	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	1500-1700	0-8	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	1500-1700	0-8	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	1500-1700	0-8	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	1500-1700	0-8	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	1500-1700	16-26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	1500-1700	16-26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Re	1500-1700	16-26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	1500-1700	16-26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Re	1500-1700	8-16	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	1500-1700	8-16	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	1500-1700	8-16	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	1500-1700	8-16	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	1500-1700	8-16	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	1500-1700	GT26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	1500-1700	GT26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Re	1500-1700	GT26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	1500-1700	GT26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Re	1700-2000	0-8	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	1700-2000	0-8	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	1700-2000	0-8	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	1700-2000	0-8	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	1700-2000	0-8	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	1700-2000	16-26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	1700-2000	16-26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Re	1700-2000	16-26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	1700-2000	16-26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Re	1700-2000	8-16	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	1700-2000	8-16	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	1700-2000	8-16	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	1700-2000	8-16	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	1700-2000	8-16	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	1700-2000	GT26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	1700-2000	GT26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
Re	1700-2000	GT26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	1700-2000	GT26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Re	LT1500	0-8	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	LT1500	0-8	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	LT1500	0-8	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	LT1500	0-8	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	LT1500	0-8	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	LT1500	16-26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	LT1500	16-26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Re	LT1500	16-26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	LT1500	16-26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Re	LT1500	8-16	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	LT1500	8-16	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	LT1500	8-16	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	LT1500	8-16	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	LT1500	8-16	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	LT1500	GT26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	LT1500	GT26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Re	LT1500	GT26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	LT1500	GT26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Re	GT2000	0-8	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	GT2000	0-8	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	GT2000	0-8	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	GT2000	0-8	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	GT2000	0-8	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	GT2000	16-26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	GT2000	16-26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Re	GT2000	16-26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	GT2000	16-26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Re	GT2000	8-16	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Re	GT2000	8-16	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Re	GT2000	8-16	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Re	GT2000	8-16	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Re	GT2000	8-16	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Re	GT2000	GT26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Re	GT2000	GT26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Re	GT2000	GT26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Re	GT2000	GT26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Or	1500-1700	0-8	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Or	1500-1700	0-8	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Or	1500-1700	0-8	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Or	1500-1700	0-8	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Or	1500-1700	0-8	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Or	1500-1700	16-26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Or	1500-1700	16-26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Or	1500-1700	16-26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Or	1500-1700	16-26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Or	1500-1700	8-16	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Or	1500-1700	8-16	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
Or	1500-1700	8-16	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Or	1500-1700	8-16	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Or	1500-1700	8-16	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Or	LT1500	0-8	1	82.2	93.9	0.7	339.58	94.77	-0.82	433.54
Or	LT1500	0-8	4	87.3	93.9	0.7	376.62	90.22	-0.82	466.02
Or	LT1500	0-8	5	87.4	122.5	0.7	376.62	90.22	-0.82	466.02
Or	LT1500	0-8	6	87.4	129.1	0.7	376.62	90.22	-0.82	466.02
Or	LT1500	0-8	8	97.6	104.2	0.7	418.00	100.32	0.00	518.32
Or	LT1500	16-26	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Or	LT1500	16-26	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Or	LT1500	16-26	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Or	LT1500	16-26	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
Or	LT1500	8-16	1	73.3	97.1	0.9	294.41	85.37	379.77	0.00
Or	LT1500	8-16	4	78.7	97.1	0.9	328.86	81.32	410.19	0.00
Or	LT1500	8-16	5	78.7	125.1	0.9	328.86	81.32	410.19	331.90
Or	LT1500	8-16	8	89.4	99.8	0.9	373.39	92.64	466.03	264.53
other	1500-1700	0-8	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
other	1500-1700	0-8	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
other	1500-1700	0-8	4	116	245.1	1.2	481.54	116.25	41.08	638.87
other	1500-1700	0-8	5	116	307.8	1.2	481.54	116.25	41.08	638.87
other	1500-1700	0-8	6	116	215.6	1.2	481.54	116.25	41.08	638.87
other	1500-1700	0-8	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
other	1500-1700	16-26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
other	1500-1700	16-26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
other	1500-1700	16-26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
other	1500-1700	16-26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
other	1500-1700	8-16	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
other	1500-1700	8-16	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
other	1500-1700	8-16	4	116	245.1	1.2	481.54	116.25	41.08	638.87
other	1500-1700	8-16	5	116	307.8	1.2	481.54	116.25	41.08	638.87
other	1500-1700	8-16	6	116	215.6	1.2	481.54	116.25	41.08	638.87
other	1500-1700	8-16	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
other	1500-1700	GT26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
other	1500-1700	GT26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
other	1500-1700	GT26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
other	1500-1700	GT26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
other	1700-2000	0-8	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
other	1700-2000	0-8	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
other	1700-2000	0-8	4	116	245.1	1.2	481.54	116.25	41.08	638.87
other	1700-2000	0-8	5	116	307.8	1.2	481.54	116.25	41.08	638.87
other	1700-2000	0-8	6	116	215.6	1.2	481.54	116.25	41.08	638.87
other	1700-2000	0-8	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
other	1700-2000	16-26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
other	1700-2000	16-26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
other	1700-2000	16-26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
other	1700-2000	16-26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
other	1700-2000	8-16	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
other	1700-2000	8-16	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
other	1700-2000	8-16	4	116	245.1	1.2	481.54	116.25	41.08	638.87

soil	rain	slope	mosd	sp	bp	la	rss-p	rsw	rscvc	rst
other	1700-2000	8-16	5	116	307.8	1.2	481.54	116.25	41.08	638.87
other	1700-2000	8-16	6	116	215.6	1.2	481.54	116.25	41.08	638.87
other	1700-2000	8-16	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
other	1700-2000	GT26	1	111.9	131.1	1.2	453.99	112.60	566.59	0.00
other	1700-2000	GT26	4	120.6	131.1	1.2	498.50	109.70	608.19	0.00
other	1700-2000	GT26	5	120.6	177.5	1.2	498.50	109.70	608.19	470.14
other	1700-2000	GT26	8	140.9	135.1	1.2	582.46	128.02	710.48	358.06
other	LT1500	0-8	1	118.3	245.1	1.3	494.57	121.91	0.00	616.47
other	LT1500	0-8	2	113.8	245.1	1.2	475.60	117.38	0.00	592.98
other	LT1500	0-8	4	116	245.1	1.2	481.54	116.25	41.08	638.87
other	LT1500	0-8	5	116	307.8	1.2	481.54	116.25	41.08	638.87
other	LT1500	0-8	6	116	215.6	1.2	481.54	116.25	41.08	638.87
other	LT1500	0-8	8	177.3	181.2	1.2	738.70	177.90	61.39	977.99
other	GT2000	0-8	1	118.4	273.5	1.3	494.90	121.91	0.00	616.80
other	GT2000	0-8	2	118.4	268.2	1.3	494.90	121.91	0.00	616.80
other	GT2000	0-8	4	132.3	257.6	1.3	529.62	122.95	43.32	695.90
other	GT2000	0-8	5	132.3	313.7	1.3	529.62	122.95	43.32	695.90
other	GT2000	0-8	6	132.3	327.7	1.3	529.62	122.95	43.32	695.90
other	GT2000	0-8	8	195.6	183.5	1.3	779.12	181.16	66.40	1026.69
other	GT2000	16-26	1	110	172.3	1.3	446.38	110.72	0.00	557.10
other	GT2000	16-26	2	110	166.4	1.3	446.38	110.72	0.00	557.10
other	GT2000	16-26	4	124.4	157	1.3	513.68	113.01	0.00	626.69
other	GT2000	16-26	5	124.4	189.3	1.3	513.68	113.01	0.00	626.69
other	GT2000	16-26	8	153.5	131.7	1.3	634.44	139.19	0.36	773.99
other	GT2000	8-16	1	118.4	273.5	1.3	494.90	121.91	0.00	616.80
other	GT2000	8-16	2	118.4	268.2	1.3	494.90	121.91	0.00	616.80
other	GT2000	8-16	4	132.3	257.6	1.3	529.62	122.95	43.32	695.90
other	GT2000	8-16	5	132.3	313.7	1.3	529.62	122.95	43.32	695.90
other	GT2000	8-16	6	132.3	327.7	1.3	529.62	122.95	43.32	695.90
other	GT2000	8-16	8	195.6	183.5	1.3	779.12	181.16	66.40	1026.69

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
Al	1500-1700	0-8	1	0.00	615.7593361	615.76	0	0.02
Al	1500-1700	0-8	4	0.00	615.7593361	615.76	0	0.02
Al	1500-1700	0-8	5	428.48	170.0912863	598.57	0	0.02
Al	1500-1700	0-8	6	600.2240664	0	600.2240664	0	16.38
Al	1500-1700	0-8	8	452.5477178	0	452.5477178	0	16.38
Al	1500-1700	16-26	1	0	416.16	416.16	0	-0.02
Al	1500-1700	16-26	4	0.00	416.16	416.16	0	-0.02
Al	1500-1700	16-26	5	394.74	0	394.74	0	-0.02
Al	1500-1700	16-26	8	335.36	0	335.36	0	-0.02
Al	1500-1700	8-16	1	0.00	615.7593361	615.76	0	0.02
Al	1500-1700	8-16	4	0.00	615.7593361	615.76	0	0.02
Al	1500-1700	8-16	5	428.4771784	170.0912863	598.5684647	0	0.02
Al	1500-1700	8-16	6	600.2240664	0	600.2240664	0	16.38
Al	1500-1700	8-16	8	452.5477178	0	452.5477178	0	16.38
Al	1500-1700	GT26	1	0.00	416.16	416.16	0	-0.02
Al	1500-1700	GT26	4	0	416.16	416.16	0	-0.02
Al	1500-1700	GT26	5	394.74	0	394.74	0	-0.02
Al	1500-1700	GT26	8	335.36	0	335.36	0	-0.02
Al	1700-2000	0-8	1	0.00	615.7593361	615.76	0	0.02
Al	1700-2000	0-8	4	0	615.7593361	615.7593361	0	0.02
Al	1700-2000	0-8	5	428.4771784	170.0912863	598.5684647	0	0.02
Al	1700-2000	0-8	6	600.2240664	0	600.2240664	0	16.38
Al	1700-2000	0-8	8	452.55	0	452.55	0	16.38
Al	1700-2000	16-26	1	0.00	416.16	416.16	0	-0.02
Al	1700-2000	16-26	4	0.00	416.16	416.16	0	-0.02
Al	1700-2000	16-26	5	394.74	0	394.74	0	-0.02
Al	1700-2000	16-26	8	335.36	0	335.36	0	-0.02
Al	1700-2000	8-16	1	0	615.7593361	615.7593361	0	0.02
Al	1700-2000	8-16	4	0	615.7593361	615.7593361	0	0.02
Al	1700-2000	8-16	5	428.4771784	170.0912863	598.5684647	0	0.02
Al	1700-2000	8-16	6	600.22	0	600.22	0	16.38
Al	1700-2000	8-16	8	452.5477178	0	452.5477178	0	16.38
Al	1700-2000	GT26	1	0.00	416.16	416.16	0	-0.02
Al	1700-2000	GT26	4	0.00	416.16	416.16	0	-0.02
Al	1700-2000	GT26	5	394.74	0	394.74	0	-0.02
Al	1700-2000	GT26	8	335.3569231	0	335.3569231	0	-0.02
Al	LT1500	0-8	1	0	615.7593361	615.7593361	0	0.02
Al	LT1500	0-8	4	0	615.7593361	615.7593361	0	0.02
Al	LT1500	0-8	5	428.48	170.0912863	598.57	0	0.02
Al	LT1500	0-8	6	600.22	0	600.22	0	16.38
Al	LT1500	0-8	8	452.55	0	452.55	0	16.38
Al	LT1500	16-26	1	0.00	416.16	416.16	0	-0.02
Al	LT1500	16-26	4	0.00	416.16	416.16	0	-0.02
Al	LT1500	16-26	5	394.7446154	0	394.7446154	0	-0.02
Al	LT1500	16-26	8	335.3569231	0	335.3569231	0	-0.02
Al	LT1500	8-16	1	0	615.7593361	615.7593361	0	0.02
Al	LT1500	8-16	4	0.00	615.7593361	615.76	0	0.02
Al	LT1500	8-16	5	428.4771784	170.0912863	598.5684647	0	0.02
Al	LT1500	8-16	6	600.22	0	600.22	0	16.38

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
Al	LT1500	8-16	8	452.55	0	452.55	0	16.38
Al	LT1500	GT26	1	0.00	416.16	416.16	0	-0.02
Al	LT1500	GT26	4	0	416.16	416.16	0	-0.02
Al	LT1500	GT26	5	394.7446154	0	394.7446154	0	-0.02
Al	LT1500	GT26	8	335.3569231	0	335.3569231	0	-0.02
Al	GT2000	0-8	1	0.00	615.7593361	615.76	0	0.02
Al	GT2000	0-8	4	0.00	615.7593361	615.76	0	0.02
Al	GT2000	0-8	5	428.48	170.0912863	598.57	0	0.02
Al	GT2000	0-8	6	600.22	0	600.22	0	16.38
Al	GT2000	0-8	8	452.55	0	452.55	0	16.38
Al	GT2000	16-26	1	0	416.16	416.16	0	-0.02
Al	GT2000	16-26	4	0	416.16	416.16	0	-0.02
Al	GT2000	16-26	5	394.7446154	0	394.7446154	0	-0.02
Al	GT2000	16-26	8	335.36	0	335.36	0	-0.02
Al	GT2000	8-16	1	0	615.7593361	615.7593361	0	0.02
Al	GT2000	8-16	4	0.00	615.7593361	615.76	0	0.02
Al	GT2000	8-16	5	428.48	170.0912863	598.57	0	0.02
Al	GT2000	8-16	6	600.22	0	600.22	0	16.38
Al	GT2000	8-16	8	452.5477178	0	452.5477178	0	16.38
Al	GT2000	GT26	1	0	416.16	416.16	0	-0.02
Al	GT2000	GT26	4	0	416.16	416.16	0	-0.02
Al	GT2000	GT26	5	394.74	0	394.74	0	-0.02
Al	GT2000	GT26	8	335.36	0	335.36	0	-0.02
Po	1500-1700	0-8	1	0.00	1044.228216	1044.23	0	0.49
Po	1500-1700	0-8	2	0.00	1044.228216	1044.23	0	0.49
Po	1500-1700	0-8	4	0.00	1044.228216	1044.23	0	0.49
Po	1500-1700	0-8	5	803.9419087	159.966805	963.9087137	0	0.49
Po	1500-1700	0-8	6	877.4647303	0	877.4647303	0	0.32
Po	1500-1700	0-8	8	515.6763485	0	515.6763485	0	0.32
Po	1500-1700	16-26	1	466.48	466.48	0.02	0	0.02
Po	1500-1700	16-26	4	466.48	466.48	0.018461538	0	0.02
Po	1500-1700	16-26	5	0.00	470.1353846	0.02	0	0.02
Po	1500-1700	16-26	8	0.00	358.0584615	0.02	0	0.02
Po	1500-1700	8-16	1	0.00	1044.228216	1044.23	0	0.49
Po	1500-1700	8-16	2	0	1044.228216	1044.228216	0	0.49
Po	1500-1700	8-16	4	0	1044.228216	1044.228216	0	0.49
Po	1500-1700	8-16	5	803.9419087	159.966805	963.9087137	0	0.49
Po	1500-1700	8-16	6	877.46	0	877.46	0	0.32
Po	1500-1700	8-16	8	515.68	0	515.68	0	0.32
Po	1500-1700	GT26	1	466.48	466.48	0.02	0	0.02
Po	1500-1700	GT26	4	466.48	466.48	0.02	0	0.02
Po	1500-1700	GT26	5	0.00	470.1353846	0.02	0	0.02
Po	1500-1700	GT26	8	0	358.0584615	0.018461538	0	0.02
Po	1700-2000	0-8	1	0	1044.228216	1044.228216	0	0.49
Po	1700-2000	0-8	2	0	1044.228216	1044.228216	0	0.49
Po	1700-2000	0-8	4	0.00	1044.228216	1044.23	0	0.49
Po	1700-2000	0-8	5	803.9419087	159.966805	963.9087137	0	0.49
Po	1700-2000	0-8	6	877.46	0	877.46	0	0.32
Po	1700-2000	0-8	8	515.68	0	515.68	0	0.32

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
Po	1700-2000	16-26	1	466.48	466.48	0.02	0	0.02
Po	1700-2000	16-26	4	466.48	466.48	0.018461538	0	0.02
Po	1700-2000	16-26	5	0	470.1353846	0.018461538	0	0.02
Po	1700-2000	16-26	8	0	358.0584615	0.018461538	0	0.02
Po	1700-2000	8-16	1	0.00	1044.228216	1044.23	0	0.49
Po	1700-2000	8-16	2	0.00	1044.228216	1044.23	0	0.49
Po	1700-2000	8-16	4	0.00	1044.228216	1044.23	0	0.49
Po	1700-2000	8-16	5	803.94	159.966805	963.91	0	0.49
Po	1700-2000	8-16	6	877.46	0	877.46	0	0.32
Po	1700-2000	8-16	8	515.6763485	0	515.6763485	0	0.32
Po	1700-2000	GT26	1	466.48	466.48	0.018461538	0	0.02
Po	1700-2000	GT26	4	466.48	466.48	0.018461538	0	0.02
Po	1700-2000	GT26	5	0.00	470.1353846	0.02	0	0.02
Po	1700-2000	GT26	8	0	358.0584615	0.018461538	0	0.02
Po	GT2000	0-8	1	0.00	1186.46888	1186.47	0	-0.41
Po	GT2000	0-8	2	0.00	1163.556017	1163.56	0	-0.41
Po	GT2000	0-8	4	0.00	1117.726141	1117.73	0	-0.41
Po	GT2000	0-8	5	814.5145228	193.3775934	1007.892116	0	-0.41
Po	GT2000	0-8	6	947.9460581	0	947.9460581	0	-0.41
Po	GT2000	0-8	8	582.6804979	0	582.6804979	0	-0.41
Po	GT2000	16-26	1	42.93	466.48	509.41	0	0.28
Po	GT2000	16-26	2	42.93	446.08	489.01	0	0.28
Po	GT2000	16-26	4	42.93	414.8	457.73	0	0.28
Po	GT2000	16-26	5	452.44	0	452.44	0	0.28
Po	GT2000	16-26	8	300.00	0	300.00	0	0.28
Po	GT2000	8-16	1	0	1186.46888	1186.46888	0	-0.41
Po	GT2000	8-16	2	0	1163.556017	1163.556017	0	-0.41
Po	GT2000	8-16	4	0	1117.726141	1117.726141	0	-0.41
Po	GT2000	8-16	5	814.51	193.3775934	1007.89	0	-0.41
Po	GT2000	8-16	6	947.9460581	0	947.9460581	0	-0.41
Po	GT2000	8-16	8	582.68	0	582.68	0	-0.41
Po	GT2000	GT26	1	42.93	466.48	509.41	0	0.28
Po	GT2000	GT26	2	42.93	446.08	489.01	0	0.28
Po	GT2000	GT26	4	42.93230769	414.8	457.7323077	0	0.28
Po	GT2000	GT26	5	452.4369231	0	452.4369231	0	0.28
Po	GT2000	GT26	8	299.9969231	0	299.9969231	0	0.28
Po	GT2000	other	1	42.93	466.48	509.41	0	0.28
Po	GT2000	other	2	42.93	446.08	489.01	0	0.28
Po	GT2000	other	4	42.93	414.8	457.73	0	0.28
Po	GT2000	other	5	452.44	0	452.44	0	0.28
Po	GT2000	other	8	300.00	0	300.00	0	0.28
Pu	1500-1700	0-8	1	0	959.8174274	959.8174274	0	-0.01
Pu	1500-1700	0-8	4	0	959.8174274	959.8174274	0	-0.01
Pu	1500-1700	0-8	5	662.9460581	235.9004149	898.846473	0	-0.01
Pu	1500-1700	0-8	6	827.29	0	827.29	0	-0.17
Pu	1500-1700	0-8	8	518.55	0	518.55	0	-0.17
Pu	1500-1700	16-26	1	0.00	444.72	444.72	0	-0.02
Pu	1500-1700	16-26	4	0.00	444.72	444.72	0	-0.02
Pu	1500-1700	16-26	5	441.86	0	441.86	0	-0.02

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
Pu	1500-1700	16-26	8	354.3507692	0	354.3507692	0	-0.02
Pu	1500-1700	8-16	1	0	959.8174274	959.8174274	0	-0.01
Pu	1500-1700	8-16	4	0	959.8174274	959.8174274	0	-0.01
Pu	1500-1700	8-16	5	662.95	235.9004149	898.85	0	-0.01
Pu	1500-1700	8-16	6	827.29	0	827.29	0	-0.17
Pu	1500-1700	8-16	8	518.55	0	518.55	0	-0.17
Pu	1500-1700	GT26	1	0.00	444.72	444.72	0	-0.02
Pu	1500-1700	GT26	4	0.00	444.72	444.72	0	-0.02
Pu	1500-1700	GT26	5	441.8615385	0	441.8615385	0	-0.02
Pu	1500-1700	GT26	8	354.3507692	0	354.3507692	0	-0.02
Pu	1700-2000	0-8	1	0	959.8174274	959.8174274	0	-0.01
Pu	1700-2000	0-8	4	0.00	959.8174274	959.82	0	-0.01
Pu	1700-2000	0-8	5	662.95	235.9004149	898.85	0	-0.01
Pu	1700-2000	0-8	6	827.29	0	827.29	0	-0.17
Pu	1700-2000	0-8	8	518.55	0	518.55	0	-0.17
Pu	1700-2000	16-26	1	0.00	444.72	444.72	0	-0.02
Pu	1700-2000	16-26	4	0	444.72	444.72	0	-0.02
Pu	1700-2000	16-26	5	441.8615385	0	441.8615385	0	-0.02
Pu	1700-2000	16-26	8	354.3507692	0	354.3507692	0	-0.02
Pu	1700-2000	8-16	1	0.00	959.8174274	959.82	0	-0.01
Pu	1700-2000	8-16	4	0.00	959.8174274	959.82	0	-0.01
Pu	1700-2000	8-16	5	662.95	235.9004149	898.85	0	-0.01
Pu	1700-2000	8-16	6	827.29	0	827.29	0	-0.17
Pu	1700-2000	8-16	8	518.55	0	518.55	0	-0.17
Pu	1700-2000	GT26	1	0	444.72	444.72	0	-0.02
Pu	1700-2000	GT26	4	0	444.72	444.72	0	-0.02
Pu	1700-2000	GT26	5	441.8615385	0	441.8615385	0	-0.02
Pu	1700-2000	GT26	8	354.35	0	354.35	0	-0.02
Pu	LT1500	0-8	1	0.00	959.8174274	959.82	0	-0.01
Pu	LT1500	0-8	4	0.00	959.8174274	959.82	0	-0.01
Pu	LT1500	0-8	5	662.95	235.9004149	898.85	0	-0.01
Pu	LT1500	0-8	6	827.29	0	827.29	0	-0.17
Pu	LT1500	0-8	8	518.5477178	0	518.5477178	0	-0.17
Pu	LT1500	16-26	1	0	444.72	444.72	0	-0.02
Pu	LT1500	16-26	4	0	444.72	444.72	0	-0.02
Pu	LT1500	16-26	5	441.86	0	441.86	0	-0.02
Pu	LT1500	16-26	8	354.35	0	354.35	0	-0.02
Pu	LT1500	8-16	1	0.00	959.8174274	959.82	0	-0.01
Pu	LT1500	8-16	4	0.00	959.8174274	959.82	0	-0.01
Pu	LT1500	8-16	5	662.95	235.9004149	898.85	0	-0.01
Pu	LT1500	8-16	6	827.2863071	0	827.2863071	0	-0.17
Pu	LT1500	8-16	8	518.5477178	0	518.5477178	0	-0.17
Pu	LT1500	GT26	1	0	444.72	444.72	0	-0.02
Pu	LT1500	GT26	4	0.00	444.72	444.72	0	-0.02
Pu	LT1500	GT26	5	441.86	0	441.86	0	-0.02
Pu	LT1500	GT26	8	354.35	0	354.35	0	-0.02
Pu	GT2000	0-8	1	0.00	959.8174274	959.82	0	-0.01
Pu	GT2000	0-8	4	0.00	959.8174274	959.82	0	-0.01
Pu	GT2000	0-8	5	662.9460581	235.9004149	898.846473	0	-0.01

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
Pu	GT2000	0-8	6	827.2863071	0	827.2863071	0	-0.17
Pu	GT2000	0-8	8	518.5477178	0	518.5477178	0	-0.17
Pu	GT2000	16-26	1	0.00	444.72	444.72	0	-0.02
Pu	GT2000	16-26	4	0.00	444.72	444.72	0	-0.02
Pu	GT2000	16-26	5	441.86	0	441.86	0	-0.02
Pu	GT2000	16-26	8	354.35	0	354.35	0	-0.02
Pu	GT2000	8-16	1	0.00	959.8174274	959.82	0	-0.01
Pu	GT2000	8-16	4	0	959.8174274	959.8174274	0	-0.01
Pu	GT2000	8-16	5	662.9460581	235.9004149	898.846473	0	-0.01
Pu	GT2000	8-16	6	827.2863071	0	827.2863071	0	-0.17
Pu	GT2000	8-16	8	518.55	0	518.55	0	-0.17
Pu	GT2000	GT26	1	0.00	444.72	444.72	0	-0.02
Pu	GT2000	GT26	4	0.00	444.72	444.72	0	-0.02
Pu	GT2000	GT26	5	441.86	0	441.86	0	-0.02
Pu	GT2000	GT26	8	354.35	0	354.35	0	-0.02
Re	1500-1700	0-8	1	0	454.5850622	454.5850622	0	0.02
Re	1500-1700	0-8	4	0	454.5850622	454.5850622	0	0.02
Re	1500-1700	0-8	5	306.3112033	153.8921162	460.2033195	0	0.02
Re	1500-1700	0-8	6	399.65	0	399.65	0	0.00
Re	1500-1700	0-8	8	331.78	0	331.78	0	0.00
Re	1500-1700	16-26	1	358.46	358.4584615	-0.02	0	-0.02
Re	1500-1700	16-26	4	358.46	358.4584615	-0.02	0	-0.02
Re	1500-1700	16-26	5	0.00	331.8984615	-0.02	0	-0.02
Re	1500-1700	16-26	8	0	264.5323077	-0.018461538	0	-0.02
Re	1500-1700	8-16	1	0	454.5850622	454.5850622	0	0.02
Re	1500-1700	8-16	4	0	454.5850622	454.5850622	0	0.02
Re	1500-1700	8-16	5	306.31	153.8921162	460.20	0	0.02
Re	1500-1700	8-16	6	399.65	0	399.65	0	0.00
Re	1500-1700	8-16	8	331.78	0	331.78	0	0.00
Re	1500-1700	GT26	1	358.46	358.4584615	-0.02	0	-0.02
Re	1500-1700	GT26	4	358.46	358.4584615	-0.02	0	-0.02
Re	1500-1700	GT26	5	0	331.8984615	-0.018461538	0	-0.02
Re	1500-1700	GT26	8	0	264.5323077	-0.018461538	0	-0.02
Re	1700-2000	0-8	1	0	454.5850622	454.5850622	0	0.02
Re	1700-2000	0-8	4	0.00	454.5850622	454.59	0	0.02
Re	1700-2000	0-8	5	306.31	153.8921162	460.20	0	0.02
Re	1700-2000	0-8	6	399.65	0	399.65	0	0.00
Re	1700-2000	0-8	8	331.78	0	331.78	0	0.00
Re	1700-2000	16-26	1	358.46	358.4584615	-0.02	0	-0.02
Re	1700-2000	16-26	4	358.4584615	358.4584615	-0.018461538	0	-0.02
Re	1700-2000	16-26	5	0	331.8984615	-0.018461538	0	-0.02
Re	1700-2000	16-26	8	0	264.5323077	-0.018461538	0	-0.02
Re	1700-2000	8-16	1	0.00	454.5850622	454.59	0	0.02
Re	1700-2000	8-16	4	0.00	454.5850622	454.59	0	0.02
Re	1700-2000	8-16	5	306.31	153.8921162	460.20	0	0.02
Re	1700-2000	8-16	6	399.65	0	399.65	0	0.00
Re	1700-2000	8-16	8	331.78	0	331.78	0	0.00
Re	1700-2000	GT26	1	358.4584615	358.4584615	-0.018461538	0	-0.02
Re	1700-2000	GT26	4	358.4584615	358.4584615	-0.018461538	0	-0.02

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
Re	1700-2000	GT26	5	0	331.8984615	-0.018461538	0	-0.02
Re	1700-2000	GT26	8	0.00	264.5323077	-0.02	0	-0.02
Re	LT1500	0-8	1	0	454.5850622	454.5850622	0	0.02
Re	LT1500	0-8	4	0.00	454.5850622	454.59	0	0.02
Re	LT1500	0-8	5	306.31	153.8921162	460.20	0	0.02
Re	LT1500	0-8	6	399.65	0	399.65	0	0.00
Re	LT1500	0-8	8	331.7842324	0	331.7842324	0	0.00
Re	LT1500	16-26	1	358.4584615	358.4584615	-0.018461538	0	-0.02
Re	LT1500	16-26	4	358.4584615	358.4584615	-0.018461538	0	-0.02
Re	LT1500	16-26	5	0.00	331.8984615	-0.02	0	-0.02
Re	LT1500	16-26	8	0.00	264.5323077	-0.02	0	-0.02
Re	LT1500	8-16	1	0.00	454.5850622	454.59	0	0.02
Re	LT1500	8-16	4	0.00	454.5850622	454.59	0	0.02
Re	LT1500	8-16	5	306.31	153.8921162	460.20	0	0.02
Re	LT1500	8-16	6	399.6473029	0	399.6473029	0	0.00
Re	LT1500	8-16	8	331.7842324	0	331.7842324	0	0.00
Re	LT1500	GT26	1	358.4584615	358.4584615	-0.018461538	0	-0.02
Re	LT1500	GT26	4	358.46	358.4584615	-0.02	0	-0.02
Re	LT1500	GT26	5	0	331.8984615	-0.018461538	0	-0.02
Re	LT1500	GT26	8	0.00	264.5323077	-0.02	0	-0.02
Re	GT2000	0-8	1	0.00	454.5850622	454.59	0	0.02
Re	GT2000	0-8	4	0.00	454.5850622	454.59	0	0.02
Re	GT2000	0-8	5	306.3112033	153.8921162	460.2033195	0	0.02
Re	GT2000	0-8	6	399.6473029	0	399.6473029	0	0.00
Re	GT2000	0-8	8	331.7842324	0	331.7842324	0	0.00
Re	GT2000	16-26	1	358.46	358.4584615	-0.02	0	-0.02
Re	GT2000	16-26	4	358.46	358.4584615	-0.02	0	-0.02
Re	GT2000	16-26	5	0.00	331.8984615	-0.02	0	-0.02
Re	GT2000	16-26	8	0.00	264.5323077	-0.02	0	-0.02
Re	GT2000	8-16	1	0.00	454.5850622	454.59	0	0.02
Re	GT2000	8-16	4	0	454.5850622	454.5850622	0	0.02
Re	GT2000	8-16	5	306.3112033	153.8921162	460.2033195	0	0.02
Re	GT2000	8-16	6	399.6473029	0	399.6473029	0	0.00
Re	GT2000	8-16	8	331.78	0	331.78	0	0.00
Re	GT2000	GT26	1	358.4584615	358.4584615	-0.018461538	0	-0.02
Re	GT2000	GT26	4	358.46	358.4584615	-0.02	0	-0.02
Re	GT2000	GT26	5	0.00	331.8984615	-0.02	0	-0.02
Re	GT2000	GT26	8	0.00	264.5323077	-0.02	0	-0.02
Or	1500-1700	0-8	1	0	454.5850622	454.5850622	0	0.02
Or	1500-1700	0-8	4	0	454.5850622	454.5850622	0	0.02
Or	1500-1700	0-8	5	306.3112033	153.8921162	460.2033195	0	0.02
Or	1500-1700	0-8	6	399.65	0	399.65	0	0.00
Or	1500-1700	0-8	8	331.78	0	331.78	0	0.00
Or	1500-1700	16-26	1	358.46	358.4584615	-0.02	0	-0.02
Or	1500-1700	16-26	4	358.46	358.4584615	-0.02	0	-0.02
Or	1500-1700	16-26	5	0.00	331.8984615	-0.02	0	-0.02
Or	1500-1700	16-26	8	0	264.5323077	-0.018461538	0	-0.02
Or	1500-1700	8-16	1	0	454.5850622	454.5850622	0	0.02
Or	1500-1700	8-16	4	0	454.5850622	454.5850622	0	0.02

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
Or	1500-1700	8-16	5	306.31	153.8921162	460.20	0	0.02
Or	1500-1700	8-16	6	399.6473029	0	399.6473029	0	0.00
Or	1500-1700	8-16	8	331.78	0	331.78	0	0.00
Or	LT1500	0-8	1	0.00	454.5850622	454.59	0	0.02
Or	LT1500	0-8	4	0.00	454.5850622	454.59	0	0.02
Or	LT1500	0-8	5	306.3112033	153.8921162	460.2033195	0	0.02
Or	LT1500	0-8	6	399.6473029	0	399.6473029	0	0.00
Or	LT1500	0-8	8	331.7842324	0	331.7842324	0	0.00
Or	LT1500	16-26	1	358.46	358.4584615	-0.02	0	-0.02
Or	LT1500	16-26	4	358.46	358.4584615	-0.02	0	-0.02
Or	LT1500	16-26	5	0.00	331.8984615	-0.02	0	-0.02
Or	LT1500	16-26	8	0.00	264.5323077	-0.02	0	-0.02
Or	LT1500	8-16	1	358.46	358.4584615	-0.02	0	-0.02
Or	LT1500	8-16	4	358.4584615	358.4584615	-0.018461538	0	-0.02
Or	LT1500	8-16	5	0	331.8984615	-0.018461538	0	-0.02
Or	LT1500	8-16	8	0	264.5323077	-0.018461538	0	-0.02
other	1500-1700	0-8	1	0.00	1044.228216	1044.23	0	0.49
other	1500-1700	0-8	2	0	1044.228216	1044.228216	0	0.49
other	1500-1700	0-8	4	0.00	1044.228216	1044.23	0	0.49
other	1500-1700	0-8	5	803.94	159.966805	963.91	0	0.49
other	1500-1700	0-8	6	877.46	0	877.46	0	0.32
other	1500-1700	0-8	8	515.6763485	0	515.6763485	0	0.32
other	1500-1700	16-26	1	466.48	466.48	0.018461538	0	0.02
other	1500-1700	16-26	4	466.48	466.48	0.018461538	0	0.02
other	1500-1700	16-26	5	0.00	470.1353846	0.02	0	0.02
other	1500-1700	16-26	8	0.00	358.0584615	0.02	0	0.02
other	1500-1700	8-16	1	0.00	1044.228216	1044.23	0	0.49
other	1500-1700	8-16	2	0.00	1044.228216	1044.23	0	0.49
other	1500-1700	8-16	4	0.00	1044.228216	1044.23	0	0.49
other	1500-1700	8-16	5	803.9419087	159.966805	963.9087137	0	0.49
other	1500-1700	8-16	6	877.4647303	0	877.4647303	0	0.32
other	1500-1700	8-16	8	515.6763485	0	515.6763485	0	0.32
other	1500-1700	GT26	1	466.48	466.48	0.02	0	0.02
other	1500-1700	GT26	4	466.48	466.48	0.018461538	0	0.02
other	1500-1700	GT26	5	0.00	470.1353846	0.02	0	0.02
other	1500-1700	GT26	8	0.00	358.0584615	0.02	0	0.02
other	1700-2000	0-8	1	0.00	1044.228216	1044.23	0	0.49
other	1700-2000	0-8	2	0	1044.228216	1044.228216	0	0.49
other	1700-2000	0-8	4	0	1044.228216	1044.228216	0	0.49
other	1700-2000	0-8	5	803.9419087	159.966805	963.9087137	0	0.49
other	1700-2000	0-8	6	877.46	0	877.46	0	0.32
other	1700-2000	0-8	8	515.68	0	515.68	0	0.32
other	1700-2000	16-26	1	466.48	466.48	0.02	0	0.02
other	1700-2000	16-26	4	466.48	466.48	0.02	0	0.02
other	1700-2000	16-26	5	0.00	470.1353846	0.02	0	0.02
other	1700-2000	16-26	8	0	358.0584615	0.018461538	0	0.02
other	1700-2000	8-16	1	0	1044.228216	1044.228216	0	0.49
other	1700-2000	8-16	2	0	1044.228216	1044.228216	0	0.49
other	1700-2000	8-16	4	0.00	1044.228216	1044.23	0	0.49

soil	rain	slope	mosd	rbs-p	rbc	rbt	rsf	rccvc
other	1700-2000	8-16	5	803.9419087	159.966805	963.9087137	0	0.49
other	1700-2000	8-16	6	877.46	0	877.46	0	0.32
other	1700-2000	8-16	8	515.68	0	515.68	0	0.32
other	1700-2000	GT26	1	466.48	466.48	0.02	0	0.02
other	1700-2000	GT26	4	466.48	466.48	0.018461538	0	0.02
other	1700-2000	GT26	5	0	470.1353846	0.018461538	0	0.02
other	1700-2000	GT26	8	0	358.0584615	0.018461538	0	0.02
other	LT1500	0-8	1	0.00	1044.228216	1044.23	0	0.49
other	LT1500	0-8	2	0.00	1044.228216	1044.23	0	0.49
other	LT1500	0-8	4	0.00	1044.228216	1044.23	0	0.49
other	LT1500	0-8	5	803.94	159.966805	963.91	0	0.49
other	LT1500	0-8	6	877.46	0	877.46	0	0.32
other	LT1500	0-8	8	515.6763485	0	515.6763485	0	0.32
other	GT2000	0-8	1	0	1186.46888	1186.46888	0	-0.41
other	GT2000	0-8	2	0	1163.556017	1163.556017	0	-0.41
other	GT2000	0-8	4	0.00	1117.726141	1117.73	0	-0.41
other	GT2000	0-8	5	814.5145228	193.3775934	1007.892116	0	-0.41
other	GT2000	0-8	6	947.95	0	947.95	0	-0.41
other	GT2000	0-8	8	582.68	0	582.68	0	-0.41
other	GT2000	16-26	1	42.93	466.48	509.41	0	0.28
other	GT2000	16-26	2	42.93230769	446.08	489.0123077	0	0.28
other	GT2000	16-26	4	42.93230769	414.8	457.7323077	0	0.28
other	GT2000	16-26	5	452.4369231	0	452.4369231	0	0.28
other	GT2000	16-26	8	300.00	0	300.00	0	0.28
other	GT2000	8-16	1	0.00	1186.46888	1186.47	0	-0.41
other	GT2000	8-16	2	0.00	1163.556017	1163.56	0	-0.41
other	GT2000	8-16	4	0.00	1117.726141	1117.73	0	-0.41
other	GT2000	8-16	5	814.51	193.3775934	1007.89	0	-0.41
other	GT2000	8-16	6	947.9460581	0	947.9460581	0	-0.41
other	GT2000	8-16	8	582.6804979	0	582.6804979	0	-0.41

soil	rain	slope	mosd	rct	rttr	eww	esah	ess	efc	effc
AI	1500-1700	0-8	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
AI	1500-1700	0-8	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
AI	1500-1700	0-8	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
AI	1500-1700	0-8	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00
AI	1500-1700	0-8	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
AI	1500-1700	16-26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
AI	1500-1700	16-26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
AI	1500-1700	16-26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
AI	1500-1700	16-26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
AI	1500-1700	8-16	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
AI	1500-1700	8-16	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
AI	1500-1700	8-16	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
AI	1500-1700	8-16	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00
AI	1500-1700	8-16	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
AI	1500-1700	GT26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
AI	1500-1700	GT26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
AI	1500-1700	GT26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
AI	1500-1700	GT26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
AI	1700-2000	0-8	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
AI	1700-2000	0-8	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
AI	1700-2000	0-8	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
AI	1700-2000	0-8	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00
AI	1700-2000	0-8	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
AI	1700-2000	16-26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
AI	1700-2000	16-26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
AI	1700-2000	16-26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
AI	1700-2000	16-26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
AI	1700-2000	8-16	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
AI	1700-2000	8-16	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
AI	1700-2000	8-16	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
AI	1700-2000	8-16	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00
AI	1700-2000	8-16	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
AI	1700-2000	GT26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
AI	1700-2000	GT26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
AI	1700-2000	GT26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
AI	1700-2000	GT26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
AI	LT1500	0-8	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
AI	LT1500	0-8	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
AI	LT1500	0-8	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
AI	LT1500	0-8	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00
AI	LT1500	0-8	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
AI	LT1500	16-26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
AI	LT1500	16-26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
AI	LT1500	16-26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
AI	LT1500	16-26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
AI	LT1500	8-16	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
AI	LT1500	8-16	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
AI	LT1500	8-16	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
AI	LT1500	8-16	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00

soil	rain	slope	mosd	rct	rttr	eww	esah	ess	efc	effc
Al	LT1500	8-16	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
Al	LT1500	GT26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
Al	LT1500	GT26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
Al	LT1500	GT26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
Al	LT1500	GT26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
Al	GT2000	0-8	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
Al	GT2000	0-8	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
Al	GT2000	0-8	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
Al	GT2000	0-8	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00
Al	GT2000	0-8	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
Al	GT2000	16-26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
Al	GT2000	16-26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
Al	GT2000	16-26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
Al	GT2000	16-26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
Al	GT2000	8-16	1	0.02	1226.99	255.02	26.24	56.58	17.32	32.91
Al	GT2000	8-16	4	0.02	1266.12	254.83	25.78	54.84	17.32	32.91
Al	GT2000	8-16	5	0.02	1248.93	254.68	69.22	54.84	17.32	32.91
Al	GT2000	8-16	6	16.38	1266.95	264.37	72.02	54.84	29.01	0.00
Al	GT2000	8-16	8	16.38	1260.66	267.28	62.42	66.60	29.01	0.00
Al	GT2000	GT26	1	-0.02	986.80	225.64	24.53	52.84	5.94	0.00
Al	GT2000	GT26	4	-0.02	1024.20	226.53	24.23	51.50	5.94	0.00
Al	GT2000	GT26	5	-0.02	1002.79	225.16	64.16	51.50	5.94	0.00
Al	GT2000	GT26	8	-0.02	995.71	225.82	60.30	55.98	5.94	0.00
Po	1500-1700	0-8	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
Po	1500-1700	0-8	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
Po	1500-1700	0-8	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
Po	1500-1700	0-8	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
Po	1500-1700	0-8	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
Po	1500-1700	0-8	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
Po	1500-1700	16-26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
Po	1500-1700	16-26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
Po	1500-1700	16-26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
Po	1500-1700	16-26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
Po	1500-1700	8-16	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
Po	1500-1700	8-16	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
Po	1500-1700	8-16	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
Po	1500-1700	8-16	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
Po	1500-1700	8-16	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
Po	1500-1700	8-16	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
Po	1500-1700	GT26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
Po	1500-1700	GT26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
Po	1500-1700	GT26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
Po	1500-1700	GT26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
Po	1700-2000	0-8	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
Po	1700-2000	0-8	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
Po	1700-2000	0-8	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
Po	1700-2000	0-8	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
Po	1700-2000	0-8	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
Po	1700-2000	0-8	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00

soil	rain	slope	mosd	rct	rttr	eww	esah	ess	efc	effc
Po	1700-2000	16-26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
Po	1700-2000	16-26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
Po	1700-2000	16-26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
Po	1700-2000	16-26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
Po	1700-2000	8-16	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
Po	1700-2000	8-16	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
Po	1700-2000	8-16	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
Po	1700-2000	8-16	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
Po	1700-2000	8-16	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
Po	1700-2000	8-16	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
Po	1700-2000	GT26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
Po	1700-2000	GT26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
Po	1700-2000	GT26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
Po	1700-2000	GT26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
Po	GT2000	0-8	1	-0.41	1802.86	359.84	26.46	57.06	218.93	32.91
Po	GT2000	0-8	2	-0.41	1779.95	355.92	26.46	57.06	218.93	32.91
Po	GT2000	0-8	4	-0.41	1813.21	357.12	27.47	58.49	218.93	32.91
Po	GT2000	0-8	5	-0.41	1703.37	344.59	109.95	58.49	218.93	32.91
Po	GT2000	0-8	6	-0.41	1643.43	344.59	108.83	58.49	218.93	0.00
Po	GT2000	0-8	8	-0.41	1608.96	345.27	79.66	86.21	218.93	0.00
Po	GT2000	16-26	1	0.28	1066.79	263.83	25.90	52.49	30.22	187.04
Po	GT2000	16-26	2	0.28	1046.39	259.64	25.90	52.49	30.22	184.07
Po	GT2000	16-26	4	0.28	1084.70	260.86	26.50	55.04	30.22	184.94
Po	GT2000	16-26	5	0.28	1079.40	258.03	67.98	55.04	30.22	182.93
Po	GT2000	16-26	8	0.28	1074.26	261.62	58.21	67.81	30.22	185.48
Po	GT2000	8-16	1	-0.41	1802.86	359.84	26.46	57.06	218.93	32.91
Po	GT2000	8-16	2	-0.41	1779.95	355.92	26.46	57.06	218.93	32.91
Po	GT2000	8-16	4	-0.41	1813.21	357.12	27.47	58.49	218.93	32.91
Po	GT2000	8-16	5	-0.41	1703.37	344.59	109.95	58.49	218.93	32.91
Po	GT2000	8-16	6	-0.41	1643.43	344.59	108.83	58.49	218.93	0.00
Po	GT2000	8-16	8	-0.41	1608.96	345.27	79.66	86.21	218.93	0.00
Po	GT2000	GT26	1	0.28	1066.79	263.83	25.90	52.49	30.22	187.04
Po	GT2000	GT26	2	0.28	1046.39	259.64	25.90	52.49	30.22	184.07
Po	GT2000	GT26	4	0.28	1084.70	260.86	26.50	55.04	30.22	184.94
Po	GT2000	GT26	5	0.28	1079.40	258.03	67.98	55.04	30.22	182.93
Po	GT2000	GT26	8	0.28	1074.26	261.62	58.21	67.81	30.22	185.48
Po	GT2000	other	1	0.28	1066.79	263.83	25.90	52.49	30.22	187.04
Po	GT2000	other	2	0.28	1046.39	259.64	25.90	52.49	30.22	184.07
Po	GT2000	other	4	0.28	1084.70	260.86	26.50	55.04	30.22	184.94
Po	GT2000	other	5	0.28	1079.40	258.03	67.98	55.04	30.22	182.93
Po	GT2000	other	8	0.28	1074.26	261.62	58.21	67.81	30.22	185.48
Pu	1500-1700	0-8	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	1500-1700	0-8	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	1500-1700	0-8	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90
Pu	1500-1700	0-8	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	1500-1700	0-8	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	1500-1700	16-26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	1500-1700	16-26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	1500-1700	16-26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00

soil	rain	slope	mosd	rct	rttr	eww	esah	ess	efc	effc
Pu	1500-1700	16-26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Pu	1500-1700	8-16	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	1500-1700	8-16	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	1500-1700	8-16	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90
Pu	1500-1700	8-16	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	1500-1700	8-16	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	1500-1700	GT26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	1500-1700	GT26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	1500-1700	GT26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00
Pu	1500-1700	GT26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Pu	1700-2000	0-8	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	1700-2000	0-8	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	1700-2000	0-8	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90
Pu	1700-2000	0-8	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	1700-2000	0-8	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	1700-2000	16-26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	1700-2000	16-26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	1700-2000	16-26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00
Pu	1700-2000	16-26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Pu	1700-2000	8-16	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	1700-2000	8-16	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	1700-2000	8-16	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90
Pu	1700-2000	8-16	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	1700-2000	8-16	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	1700-2000	GT26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	1700-2000	GT26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	1700-2000	GT26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00
Pu	1700-2000	GT26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Pu	LT1500	0-8	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	LT1500	0-8	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	LT1500	0-8	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90
Pu	LT1500	0-8	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	LT1500	0-8	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	LT1500	16-26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	LT1500	16-26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	LT1500	16-26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00
Pu	LT1500	16-26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Pu	LT1500	8-16	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	LT1500	8-16	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	LT1500	8-16	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90
Pu	LT1500	8-16	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	LT1500	8-16	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	LT1500	GT26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	LT1500	GT26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	LT1500	GT26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00
Pu	LT1500	GT26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Pu	GT2000	0-8	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	GT2000	0-8	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	GT2000	0-8	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90

soil	rain	slope	mosd	rct	rttr	eww	esah	ess	efc	effc
Pu	GT2000	0-8	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	GT2000	0-8	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	GT2000	16-26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	GT2000	16-26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	GT2000	16-26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00
Pu	GT2000	16-26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Pu	GT2000	8-16	1	-0.01	1570.36	313.78	26.44	56.94	56.51	33.90
Pu	GT2000	8-16	4	-0.01	1612.14	314.52	25.86	55.02	56.51	33.90
Pu	GT2000	8-16	5	-0.01	1551.17	307.37	92.98	55.02	56.51	33.90
Pu	GT2000	8-16	6	-0.17	1479.55	310.41	95.21	55.02	68.22	0.00
Pu	GT2000	8-16	8	-0.17	1454.25	315.77	75.22	78.90	68.22	0.00
Pu	GT2000	GT26	1	-0.02	1015.36	236.84	24.53	52.84	4.37	0.00
Pu	GT2000	GT26	4	-0.02	1050.91	237.05	24.12	51.25	4.37	0.00
Pu	GT2000	GT26	5	-0.02	1048.06	233.98	68.87	51.25	4.37	0.00
Pu	GT2000	GT26	8	-0.02	1040.05	234.51	62.82	59.42	4.37	0.00
Re	1500-1700	0-8	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	1500-1700	0-8	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	1500-1700	0-8	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	1500-1700	0-8	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	1500-1700	0-8	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	1500-1700	16-26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	1500-1700	16-26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Re	1500-1700	16-26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	1500-1700	16-26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Re	1500-1700	8-16	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	1500-1700	8-16	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	1500-1700	8-16	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	1500-1700	8-16	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	1500-1700	8-16	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	1500-1700	GT26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	1500-1700	GT26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Re	1500-1700	GT26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	1500-1700	GT26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Re	1700-2000	0-8	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	1700-2000	0-8	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	1700-2000	0-8	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	1700-2000	0-8	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	1700-2000	0-8	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	1700-2000	16-26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	1700-2000	16-26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Re	1700-2000	16-26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	1700-2000	16-26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Re	1700-2000	8-16	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	1700-2000	8-16	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	1700-2000	8-16	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	1700-2000	8-16	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	1700-2000	8-16	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	1700-2000	GT26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	1700-2000	GT26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00

soil	rain	slope	mosd	rct	rttr	eww	esah	ess	efc	effc
Re	1700-2000	GT26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	1700-2000	GT26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Re	LT1500	0-8	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	LT1500	0-8	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	LT1500	0-8	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	LT1500	0-8	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	LT1500	0-8	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	LT1500	16-26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	LT1500	16-26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Re	LT1500	16-26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	LT1500	16-26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Re	LT1500	8-16	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	LT1500	8-16	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	LT1500	8-16	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	LT1500	8-16	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	LT1500	8-16	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	LT1500	GT26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	LT1500	GT26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Re	LT1500	GT26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	LT1500	GT26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Re	GT2000	0-8	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	GT2000	0-8	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	GT2000	0-8	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	GT2000	0-8	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	GT2000	0-8	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	GT2000	16-26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	GT2000	16-26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Re	GT2000	16-26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	GT2000	16-26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Re	GT2000	8-16	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Re	GT2000	8-16	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Re	GT2000	8-16	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Re	GT2000	8-16	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Re	GT2000	8-16	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Re	GT2000	GT26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Re	GT2000	GT26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Re	GT2000	GT26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Re	GT2000	GT26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Or	1500-1700	0-8	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Or	1500-1700	0-8	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Or	1500-1700	0-8	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Or	1500-1700	0-8	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Or	1500-1700	0-8	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Or	1500-1700	16-26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Or	1500-1700	16-26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Or	1500-1700	16-26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Or	1500-1700	16-26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Or	1500-1700	8-16	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Or	1500-1700	8-16	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91

soil	rain	slope	mosd	rct	rttr	eww	esah	ess	efc	effc
Or	1500-1700	8-16	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Or	1500-1700	8-16	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Or	1500-1700	8-16	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Or	LT1500	0-8	1	0.02	888.14	197.18	21.03	36.53	17.32	32.91
Or	LT1500	0-8	4	0.02	920.63	197.36	20.72	34.84	17.32	32.91
Or	LT1500	0-8	5	0.02	926.24	196.17	51.68	34.84	17.32	32.91
Or	LT1500	0-8	6	0.00	865.67	193.66	49.49	34.84	32.93	0.00
Or	LT1500	0-8	8	0.00	850.10	194.04	45.04	38.74	32.93	0.00
Or	LT1500	16-26	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Or	LT1500	16-26	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Or	LT1500	16-26	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Or	LT1500	16-26	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
Or	LT1500	8-16	1	738.21	177.33	18.88	32.90	5.94	0.00	0.00
Or	LT1500	8-16	4	768.62	178.08	18.63	31.37	5.94	0.00	0.00
Or	LT1500	8-16	5	742.06	175.17	52.20	31.37	5.94	0.00	0.00
Or	LT1500	8-16	8	730.54	176.89	48.05	35.75	5.94	0.00	0.00
other	1500-1700	0-8	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
other	1500-1700	0-8	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
other	1500-1700	0-8	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
other	1500-1700	0-8	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
other	1500-1700	0-8	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
other	1500-1700	0-8	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
other	1500-1700	16-26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
other	1500-1700	16-26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
other	1500-1700	16-26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
other	1500-1700	16-26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
other	1500-1700	8-16	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
other	1500-1700	8-16	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
other	1500-1700	8-16	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
other	1500-1700	8-16	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
other	1500-1700	8-16	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
other	1500-1700	8-16	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
other	1500-1700	GT26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
other	1500-1700	GT26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
other	1500-1700	GT26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
other	1500-1700	GT26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
other	1700-2000	0-8	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
other	1700-2000	0-8	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
other	1700-2000	0-8	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
other	1700-2000	0-8	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
other	1700-2000	0-8	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
other	1700-2000	0-8	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
other	1700-2000	16-26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
other	1700-2000	16-26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
other	1700-2000	16-26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
other	1700-2000	16-26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
other	1700-2000	8-16	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
other	1700-2000	8-16	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
other	1700-2000	8-16	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91

soil	rain	slope	mosd	rct	rtrr	eww	esah	ess	efc	effc
other	1700-2000	8-16	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
other	1700-2000	8-16	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
other	1700-2000	8-16	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
other	1700-2000	GT26	1	1033.08	239.41	24.26	53.36	30.22	169.73	0.00
other	1700-2000	GT26	4	1074.69	240.41	23.75	53.43	30.22	170.43	0.00
other	1700-2000	GT26	5	1078.34	238.60	71.40	53.43	30.22	169.16	0.00
other	1700-2000	GT26	8	1068.56	240.03	63.98	62.36	30.22	170.17	0.00
other	LT1500	0-8	1	0.49	1661.20	340.47	26.46	57.06	112.96	32.91
other	LT1500	0-8	2	0.49	1637.70	334.75	25.50	54.97	112.96	32.91
other	LT1500	0-8	4	0.49	1683.59	334.24	26.20	55.17	112.96	32.91
other	LT1500	0-8	5	0.49	1603.27	324.47	107.63	55.17	112.96	32.91
other	LT1500	0-8	6	0.32	1516.66	321.65	108.82	55.17	124.66	0.00
other	LT1500	0-8	8	0.32	1493.99	328.32	86.02	84.43	124.66	0.00
other	GT2000	0-8	1	-0.41	1802.86	359.84	26.46	57.06	218.93	32.91
other	GT2000	0-8	2	-0.41	1779.95	355.92	26.46	57.06	218.93	32.91
other	GT2000	0-8	4	-0.41	1813.21	357.12	27.47	58.49	218.93	32.91
other	GT2000	0-8	5	-0.41	1703.37	344.59	109.95	58.49	218.93	32.91
other	GT2000	0-8	6	-0.41	1643.43	344.59	108.83	58.49	218.93	0.00
other	GT2000	0-8	8	-0.41	1608.96	345.27	79.66	86.21	218.93	0.00
other	GT2000	16-26	1	0.28	1066.79	263.83	25.90	52.49	30.22	187.04
other	GT2000	16-26	2	0.28	1046.39	259.64	25.90	52.49	30.22	184.07
other	GT2000	16-26	4	0.28	1084.70	260.86	26.50	55.04	30.22	184.94
other	GT2000	16-26	5	0.28	1079.40	258.03	67.98	55.04	30.22	182.93
other	GT2000	16-26	8	0.28	1074.26	261.62	58.21	67.81	30.22	185.48
other	GT2000	8-16	1	-0.41	1802.86	359.84	26.46	57.06	218.93	32.91
other	GT2000	8-16	2	-0.41	1779.95	355.92	26.46	57.06	218.93	32.91
other	GT2000	8-16	4	-0.41	1813.21	357.12	27.47	58.49	218.93	32.91
other	GT2000	8-16	5	-0.41	1703.37	344.59	109.95	58.49	218.93	32.91
other	GT2000	8-16	6	-0.41	1643.43	344.59	108.83	58.49	218.93	0.00
other	GT2000	8-16	8	-0.41	1608.96	345.27	79.66	86.21	218.93	0.00

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
Al	1500-1700	0-8	1	0	15.68	0	167.78	1.00	0.00	17.45
Al	1500-1700	0-8	4	0	15.68	0	167.65	4.00	0.00	17.44
Al	1500-1700	0-8	5	0	15.68	0	167.55	5.00	0.00	17.43
Al	1500-1700	0-8	6	0	0.00	0	173.93	6	0	18.09
Al	1500-1700	0-8	8	0	0.00	0	175.85	8	0	18.29
Al	1500-1700	16-26	1	0	0.00	0	159.97	1	0	11.88
Al	1500-1700	16-26	4	0	0.00	0	160.60	4.00	0.00	11.92
Al	1500-1700	16-26	5	0	0.00	0	159.62	5.00	0.00	11.85
Al	1500-1700	16-26	8	0	0.00	0	160.09	8.00	0.00	11.89
Al	1500-1700	8-16	1	0	15.68	0	167.78	1.00	0.00	17.45
Al	1500-1700	8-16	4	0	15.68	0	167.65	4.00	0.00	17.44
Al	1500-1700	8-16	5	0	15.68	0	167.55	5	0	17.43
Al	1500-1700	8-16	6	0	0.00	0	173.93	6	0	18.09
Al	1500-1700	8-16	8	0	0.00	0	175.85	8	0	18.29
Al	1500-1700	GT26	1	0	0.00	0	159.97	1.00	0.00	11.88
Al	1500-1700	GT26	4	0	0.00	0	160.60	4	0	11.92
Al	1500-1700	GT26	5	0	0.00	0	159.62	5.00	0.00	11.85
Al	1500-1700	GT26	8	0	0.00	0	160.09	8.00	0.00	11.89
Al	1700-2000	0-8	1	0	15.68	0	167.78	1.00	0.00	17.45
Al	1700-2000	0-8	4	0	15.68	0	167.65	4	0	17.44
Al	1700-2000	0-8	5	0	15.68	0	167.55	5	0	17.43
Al	1700-2000	0-8	6	0	0.00	0	173.93	6	0	18.09
Al	1700-2000	0-8	8	0	0.00	0	175.85	8.00	0.00	18.29
Al	1700-2000	16-26	1	0	0.00	0	159.97	1.00	0.00	11.88
Al	1700-2000	16-26	4	0	0.00	0	160.60	4.00	0.00	11.92
Al	1700-2000	16-26	5	0	0.00	0	159.62	5.00	0.00	11.85
Al	1700-2000	16-26	8	0	0.00	0	160.09	8.00	0.00	11.89
Al	1700-2000	8-16	1	0	15.68	0	167.78	1	0	17.45
Al	1700-2000	8-16	4	0	15.68	0	167.65	4	0	17.44
Al	1700-2000	8-16	5	0	15.68	0	167.55	5	0	17.43
Al	1700-2000	8-16	6	0	0.00	0	173.93	6.00	0.00	18.09
Al	1700-2000	8-16	8	0	0.00	0	175.85	8	0	18.29
Al	1700-2000	GT26	1	0	0.00	0	159.97	1.00	0.00	11.88
Al	1700-2000	GT26	4	0	0.00	0	160.60	4.00	0.00	11.92
Al	1700-2000	GT26	5	0	0.00	0	159.62	5.00	0.00	11.85
Al	1700-2000	GT26	8	0	0.00	0	160.09	8	0	11.89
Al	LT1500	0-8	1	0	15.68	0	167.78	1	0	17.45
Al	LT1500	0-8	4	0	15.68	0	167.65	4	0	17.44
Al	LT1500	0-8	5	0	15.68	0	167.55	5.00	0.00	17.43
Al	LT1500	0-8	6	0	0.00	0	173.93	6.00	0.00	18.09
Al	LT1500	0-8	8	0	0.00	0	175.85	8.00	0.00	18.29
Al	LT1500	16-26	1	0	0.00	0	159.97	1.00	0.00	11.88
Al	LT1500	16-26	4	0	0.00	0	160.60	4.00	0.00	11.92
Al	LT1500	16-26	5	0	0.00	0	159.62	5	0	11.85
Al	LT1500	16-26	8	0	0.00	0	160.09	8	0	11.89
Al	LT1500	8-16	1	0	15.68	0	167.78	1	0	17.45
Al	LT1500	8-16	4	0	15.68	0	167.65	4.00	0.00	17.44
Al	LT1500	8-16	5	0	15.68	0	167.55	5	0	17.43
Al	LT1500	8-16	6	0	0.00	0	173.93	6.00	0.00	18.09

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
Al	LT1500	8-16	8	0	0.00	0	175.85	8.00	0.00	18.29
Al	LT1500	GT26	1	0	0.00	0	159.97	1.00	0.00	11.88
Al	LT1500	GT26	4	0	0.00	0	160.60	4	0	11.92
Al	LT1500	GT26	5	0	0.00	0	159.62	5	0	11.85
Al	LT1500	GT26	8	0	0.00	0	160.09	8	0	11.89
Al	GT2000	0-8	1	0	15.68	0	167.78	1.00	0.00	17.45
Al	GT2000	0-8	4	0	15.68	0	167.65	4.00	0.00	17.44
Al	GT2000	0-8	5	0	15.68	0	167.55	5.00	0.00	17.43
Al	GT2000	0-8	6	0	0.00	0	173.93	6.00	0.00	18.09
Al	GT2000	0-8	8	0	0.00	0	175.85	8.00	0.00	18.29
Al	GT2000	16-26	1	0	0.00	0	159.97	1	0	11.88
Al	GT2000	16-26	4	0	0.00	0	160.60	4	0	11.92
Al	GT2000	16-26	5	0	0.00	0	159.62	5	0	11.85
Al	GT2000	16-26	8	0	0.00	0	160.09	8.00	0.00	11.89
Al	GT2000	8-16	1	0	15.68	0	167.78	1	0	17.45
Al	GT2000	8-16	4	0	15.68	0	167.65	4.00	0.00	17.44
Al	GT2000	8-16	5	0	15.68	0	167.55	5.00	0.00	17.43
Al	GT2000	8-16	6	0	0.00	0	173.93	6.00	0.00	18.09
Al	GT2000	8-16	8	0	0.00	0	175.85	8	0	18.29
Al	GT2000	GT26	1	0	0.00	0	159.97	1	0	11.88
Al	GT2000	GT26	4	0	0.00	0	160.60	4	0	11.92
Al	GT2000	GT26	5	0	0.00	0	159.62	5.00	0.00	11.85
Al	GT2000	GT26	8	0	0.00	0	160.09	8.00	0.00	11.89
Po	1500-1700	0-8	1	0	15.68	0	223.99	1.00	14.25	23.29
Po	1500-1700	0-8	2	0	15.68	0	220.23	2.00	0.00	22.90
Po	1500-1700	0-8	4	0	15.68	0	219.89	4.00	0.00	22.87
Po	1500-1700	0-8	5	0	15.68	0	213.46	5	0	22.20
Po	1500-1700	0-8	6	0	0.00	0	211.61	6	0	22.01
Po	1500-1700	0-8	8	0	0.00	0	216.00	8	0	22.46
Po	1500-1700	16-26	1	0	0.00	0	0.00	1.00	20.32	12.60
Po	1500-1700	16-26	4	0	0.00	0	0.00	4	20.31692308	12.65
Po	1500-1700	16-26	5	0	0.00	0	0.00	5.00	20.32	12.56
Po	1500-1700	16-26	8	0	0.00	0	0.00	8.00	20.32	12.63
Po	1500-1700	8-16	1	0	15.68	0	223.99	1.00	14.25	23.29
Po	1500-1700	8-16	2	0	15.68	0	220.23	2	0	22.90
Po	1500-1700	8-16	4	0	15.68	0	219.89	4	0	22.87
Po	1500-1700	8-16	5	0	15.68	0	213.46	5	0	22.20
Po	1500-1700	8-16	6	0	0.00	0	211.61	6.00	0.00	22.01
Po	1500-1700	8-16	8	0	0.00	0	216.00	8.00	0.00	22.46
Po	1500-1700	GT26	1	0	0.00	0	0.00	1.00	20.32	12.60
Po	1500-1700	GT26	4	0	0.00	0	0.00	4.00	20.32	12.65
Po	1500-1700	GT26	5	0	0.00	0	0.00	5.00	20.32	12.56
Po	1500-1700	GT26	8	0	0.00	0	0.00	8	20.31692308	12.63
Po	1700-2000	0-8	1	0	15.68	0	223.99	1	14.25311203	23.29
Po	1700-2000	0-8	2	0	15.68	0	220.23	2	0	22.90
Po	1700-2000	0-8	4	0	15.68	0	219.89	4.00	0.00	22.87
Po	1700-2000	0-8	5	0	15.68	0	213.46	5	0	22.20
Po	1700-2000	0-8	6	0	0.00	0	211.61	6.00	0.00	22.01
Po	1700-2000	0-8	8	0	0.00	0	216.00	8.00	0.00	22.46

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
Po	1700-2000	16-26	1	0	0.00	0	0.00	1.00	20.32	12.60
Po	1700-2000	16-26	4	0	0.00	0	0.00	4	20.31692308	12.65
Po	1700-2000	16-26	5	0	0.00	0	0.00	5	20.31692308	12.56
Po	1700-2000	16-26	8	0	0.00	0	0.00	8	20.31692308	12.63
Po	1700-2000	8-16	1	0	15.68	0	223.99	1.00	14.25	23.29
Po	1700-2000	8-16	2	0	15.68	0	220.23	2.00	0.00	22.90
Po	1700-2000	8-16	4	0	15.68	0	219.89	4.00	0.00	22.87
Po	1700-2000	8-16	5	0	15.68	0	213.46	5.00	0.00	22.20
Po	1700-2000	8-16	6	0	0.00	0	211.61	6.00	0.00	22.01
Po	1700-2000	8-16	8	0	0.00	0	216.00	8	0	22.46
Po	1700-2000	GT26	1	0	0.00	0	0.00	1	20.31692308	12.60
Po	1700-2000	GT26	4	0	0.00	0	0.00	4	20.31692308	12.65
Po	1700-2000	GT26	5	0	0.00	0	0.00	5.00	20.32	12.56
Po	1700-2000	GT26	8	0	0.00	0	0.00	8	20.31692308	12.63
Po	GT2000	0-8	1	0	15.68	0	236.73	1.00	14.25	24.62
Po	GT2000	0-8	2	0	15.68	0	234.16	2.00	0.00	24.35
Po	GT2000	0-8	4	0	15.68	0	234.95	4.00	0.00	24.44
Po	GT2000	0-8	5	0	15.68	0	226.71	5	0	23.58
Po	GT2000	0-8	6	0	0.00	0	226.70	6	0	23.58
Po	GT2000	0-8	8	0	0.00	0	227.15	8	0	23.62
Po	GT2000	16-26	1	0	0.00	0	0.00	1.00	20.32	13.89
Po	GT2000	16-26	2	0	0.00	0	0.00	2.00	0.00	13.66
Po	GT2000	16-26	4	0	0.00	0	0.00	4.00	0.00	13.73
Po	GT2000	16-26	5	0	0.00	0	0.00	5.00	0.00	13.58
Po	GT2000	16-26	8	0	0.00	0	0.00	8.00	0.00	13.77
Po	GT2000	8-16	1	0	15.68	0	236.73	1	14.25311203	24.62
Po	GT2000	8-16	2	0	15.68	0	234.16	2	0	24.35
Po	GT2000	8-16	4	0	15.68	0	234.95	4	0	24.44
Po	GT2000	8-16	5	0	15.68	0	226.71	5.00	0.00	23.58
Po	GT2000	8-16	6	0	0.00	0	226.70	6	0	23.58
Po	GT2000	8-16	8	0	0.00	0	227.15	8.00	0.00	23.62
Po	GT2000	GT26	1	0	0.00	0	0.00	1.00	20.32	13.89
Po	GT2000	GT26	2	0	0.00	0	0.00	2.00	0.00	13.66
Po	GT2000	GT26	4	0	0.00	0	0.00	4	0	13.73
Po	GT2000	GT26	5	0	0.00	0	0.00	5	0	13.58
Po	GT2000	GT26	8	0	0.00	0	0.00	8	0	13.77
Po	GT2000	other	1	0	0.00	0	0.00	1.00	20.32	13.89
Po	GT2000	other	2	0	0.00	0	0.00	2.00	0.00	13.66
Po	GT2000	other	4	0	0.00	0	0.00	4.00	0.00	13.73
Po	GT2000	other	5	0	0.00	0	0.00	5.00	0.00	13.58
Po	GT2000	other	8	0	0.00	0	0.00	8.00	0.00	13.77
Pu	1500-1700	0-8	1	0	15.68	0	206.44	1	0	21.47
Pu	1500-1700	0-8	4	0	15.68	0	206.92	4	0	21.52
Pu	1500-1700	0-8	5	0	15.68	0	202.22	5	0	21.03
Pu	1500-1700	0-8	6	0	0.00	0	204.22	6.00	0.00	21.24
Pu	1500-1700	0-8	8	0	0.00	0	207.74	8.00	0.00	21.61
Pu	1500-1700	16-26	1	0	0.00	0	167.91	1.00	0.00	12.46
Pu	1500-1700	16-26	4	0	0.00	0	168.06	4.00	0.00	12.48
Pu	1500-1700	16-26	5	0	0.00	0	165.88	5.00	0.00	12.31

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
Pu	1500-1700	16-26	8	0	0.00	0	166.26	8	0	12.34
Pu	1500-1700	8-16	1	0	15.68	0	206.44	1	0	21.47
Pu	1500-1700	8-16	4	0	15.68	0	206.92	4	0	21.52
Pu	1500-1700	8-16	5	0	15.68	0	202.22	5.00	0.00	21.03
Pu	1500-1700	8-16	6	0	0.00	0	204.22	6.00	0.00	21.24
Pu	1500-1700	8-16	8	0	0.00	0	207.74	8.00	0.00	21.61
Pu	1500-1700	GT26	1	0	0.00	0	167.91	1.00	0.00	12.46
Pu	1500-1700	GT26	4	0	0.00	0	168.06	4.00	0.00	12.48
Pu	1500-1700	GT26	5	0	0.00	0	165.88	5	0	12.31
Pu	1500-1700	GT26	8	0	0.00	0	166.26	8	0	12.34
Pu	1700-2000	0-8	1	0	15.68	0	206.44	1	0	21.47
Pu	1700-2000	0-8	4	0	15.68	0	206.92	4.00	0.00	21.52
Pu	1700-2000	0-8	5	0	15.68	0	202.22	5.00	0.00	21.03
Pu	1700-2000	0-8	6	0	0.00	0	204.22	6.00	0.00	21.24
Pu	1700-2000	0-8	8	0	0.00	0	207.74	8.00	0.00	21.61
Pu	1700-2000	16-26	1	0	0.00	0	167.91	1.00	0.00	12.46
Pu	1700-2000	16-26	4	0	0.00	0	168.06	4	0	12.48
Pu	1700-2000	16-26	5	0	0.00	0	165.88	5	0	12.31
Pu	1700-2000	16-26	8	0	0.00	0	166.26	8	0	12.34
Pu	1700-2000	8-16	1	0	15.68	0	206.44	1.00	0.00	21.47
Pu	1700-2000	8-16	4	0	15.68	0	206.92	4.00	0.00	21.52
Pu	1700-2000	8-16	5	0	15.68	0	202.22	5.00	0.00	21.03
Pu	1700-2000	8-16	6	0	0.00	0	204.22	6.00	0.00	21.24
Pu	1700-2000	8-16	8	0	0.00	0	207.74	8.00	0.00	21.61
Pu	1700-2000	GT26	1	0	0.00	0	167.91	1	0	12.46
Pu	1700-2000	GT26	4	0	0.00	0	168.06	4	0	12.48
Pu	1700-2000	GT26	5	0	0.00	0	165.88	5	0	12.31
Pu	1700-2000	GT26	8	0	0.00	0	166.26	8.00	0.00	12.34
Pu	LT1500	0-8	1	0	15.68	0	206.44	1.00	0.00	21.47
Pu	LT1500	0-8	4	0	15.68	0	206.92	4.00	0.00	21.52
Pu	LT1500	0-8	5	0	15.68	0	202.22	5.00	0.00	21.03
Pu	LT1500	0-8	6	0	0.00	0	204.22	6.00	0.00	21.24
Pu	LT1500	0-8	8	0	0.00	0	207.74	8	0	21.61
Pu	LT1500	16-26	1	0	0.00	0	167.91	1	0	12.46
Pu	LT1500	16-26	4	0	0.00	0	168.06	4	0	12.48
Pu	LT1500	16-26	5	0	0.00	0	165.88	5.00	0.00	12.31
Pu	LT1500	16-26	8	0	0.00	0	166.26	8.00	0.00	12.34
Pu	LT1500	8-16	1	0	15.68	0	206.44	1.00	0.00	21.47
Pu	LT1500	8-16	4	0	15.68	0	206.92	4.00	0.00	21.52
Pu	LT1500	8-16	5	0	15.68	0	202.22	5.00	0.00	21.03
Pu	LT1500	8-16	6	0	0.00	0	204.22	6	0	21.24
Pu	LT1500	8-16	8	0	0.00	0	207.74	8	0	21.61
Pu	LT1500	GT26	1	0	0.00	0	167.91	1	0	12.46
Pu	LT1500	GT26	4	0	0.00	0	168.06	4.00	0.00	12.48
Pu	LT1500	GT26	5	0	0.00	0	165.88	5.00	0.00	12.31
Pu	LT1500	GT26	8	0	0.00	0	166.26	8.00	0.00	12.34
Pu	GT2000	0-8	1	0	15.68	0	206.44	1.00	0.00	21.47
Pu	GT2000	0-8	4	0	15.68	0	206.92	4.00	0.00	21.52
Pu	GT2000	0-8	5	0	15.68	0	202.22	5	0	21.03

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
Pu	GT2000	0-8	6	0	0.00	0	204.22	6	0	21.24
Pu	GT2000	0-8	8	0	0.00	0	207.74	8	0	21.61
Pu	GT2000	16-26	1	0	0.00	0	167.91	1.00	0.00	12.46
Pu	GT2000	16-26	4	0	0.00	0	168.06	4.00	0.00	12.48
Pu	GT2000	16-26	5	0	0.00	0	165.88	5.00	0.00	12.31
Pu	GT2000	16-26	8	0	0.00	0	166.26	8.00	0.00	12.34
Pu	GT2000	8-16	1	0	15.68	0	206.44	1.00	0.00	21.47
Pu	GT2000	8-16	4	0	15.68	0	206.92	4	0	21.52
Pu	GT2000	8-16	5	0	15.68	0	202.22	5	0	21.03
Pu	GT2000	8-16	6	0	0.00	0	204.22	6	0	21.24
Pu	GT2000	8-16	8	0	0.00	0	207.74	8.00	0.00	21.61
Pu	GT2000	GT26	1	0	0.00	0	167.91	1.00	0.00	12.46
Pu	GT2000	GT26	4	0	0.00	0	168.06	4.00	0.00	12.48
Pu	GT2000	GT26	5	0	0.00	0	165.88	5.00	0.00	12.31
Pu	GT2000	GT26	8	0	0.00	0	166.26	8.00	0.00	12.34
Re	1500-1700	0-8	1	0	15.68	0	129.73	1	0	13.49
Re	1500-1700	0-8	4	0	15.68	0	129.84	4	0	13.50
Re	1500-1700	0-8	5	0	15.68	0	129.06	5	0	13.42
Re	1500-1700	0-8	6	0	0.00	0	127.41	6.00	0.00	13.25
Re	1500-1700	0-8	8	0	0.00	0	127.66	8.00	0.00	13.28
Re	1500-1700	16-26	1	0	0.00	0	125.72	1.00	0.00	9.33
Re	1500-1700	16-26	4	0	0.00	0	126.25	4.00	0.00	9.37
Re	1500-1700	16-26	5	0	0.00	0	124.18	5.00	0.00	9.22
Re	1500-1700	16-26	8	0	0.00	0	125.40	8	0	9.31
Re	1500-1700	8-16	1	0	15.68	0	129.73	1	0	13.49
Re	1500-1700	8-16	4	0	15.68	0	129.84	4	0	13.50
Re	1500-1700	8-16	5	0	15.68	0	129.06	5.00	0.00	13.42
Re	1500-1700	8-16	6	0	0.00	0	127.41	6.00	0.00	13.25
Re	1500-1700	8-16	8	0	0.00	0	127.66	8.00	0.00	13.28
Re	1500-1700	GT26	1	0	0.00	0	125.72	1.00	0.00	9.33
Re	1500-1700	GT26	4	0	0.00	0	126.25	4.00	0.00	9.37
Re	1500-1700	GT26	5	0	0.00	0	124.18	5	0	9.22
Re	1500-1700	GT26	8	0	0.00	0	125.40	8	0	9.31
Re	1700-2000	0-8	1	0	15.68	0	129.73	1	0	13.49
Re	1700-2000	0-8	4	0	15.68	0	129.84	4.00	0.00	13.50
Re	1700-2000	0-8	5	0	15.68	0	129.06	5.00	0.00	13.42
Re	1700-2000	0-8	6	0	0.00	0	127.41	6.00	0.00	13.25
Re	1700-2000	0-8	8	0	0.00	0	127.66	8.00	0.00	13.28
Re	1700-2000	16-26	1	0	0.00	0	125.72	1.00	0.00	9.33
Re	1700-2000	16-26	4	0	0.00	0	126.25	4	0	9.37
Re	1700-2000	16-26	5	0	0.00	0	124.18	5	0	9.22
Re	1700-2000	16-26	8	0	0.00	0	125.40	8	0	9.31
Re	1700-2000	8-16	1	0	15.68	0	129.73	1.00	0.00	13.49
Re	1700-2000	8-16	4	0	15.68	0	129.84	4.00	0.00	13.50
Re	1700-2000	8-16	5	0	15.68	0	129.06	5.00	0.00	13.42
Re	1700-2000	8-16	6	0	0.00	0	127.41	6.00	0.00	13.25
Re	1700-2000	8-16	8	0	0.00	0	127.66	8.00	0.00	13.28
Re	1700-2000	GT26	1	0	0.00	0	125.72	1	0	9.33
Re	1700-2000	GT26	4	0	0.00	0	126.25	4	0	9.37

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
Re	1700-2000	GT26	5	0	0.00	0	124.18	5	0	9.22
Re	1700-2000	GT26	8	0	0.00	0	125.40	8.00	0.00	9.31
Re	LT1500	0-8	1	0	15.68	0	129.73	1	0	13.49
Re	LT1500	0-8	4	0	15.68	0	129.84	4.00	0.00	13.50
Re	LT1500	0-8	5	0	15.68	0	129.06	5.00	0.00	13.42
Re	LT1500	0-8	6	0	0.00	0	127.41	6.00	0.00	13.25
Re	LT1500	0-8	8	0	0.00	0	127.66	8	0	13.28
Re	LT1500	16-26	1	0	0.00	0	125.72	1	0	9.33
Re	LT1500	16-26	4	0	0.00	0	126.25	4	0	9.37
Re	LT1500	16-26	5	0	0.00	0	124.18	5.00	0.00	9.22
Re	LT1500	16-26	8	0	0.00	0	125.40	8.00	0.00	9.31
Re	LT1500	8-16	1	0	15.68	0	129.73	1.00	0.00	13.49
Re	LT1500	8-16	4	0	15.68	0	129.84	4.00	0.00	13.50
Re	LT1500	8-16	5	0	15.68	0	129.06	5.00	0.00	13.42
Re	LT1500	8-16	6	0	0.00	0	127.41	6	0	13.25
Re	LT1500	8-16	8	0	0.00	0	127.66	8	0	13.28
Re	LT1500	GT26	1	0	0.00	0	125.72	1	0	9.33
Re	LT1500	GT26	4	0	0.00	0	126.25	4.00	0.00	9.37
Re	LT1500	GT26	5	0	0.00	0	124.18	5	0	9.22
Re	LT1500	GT26	8	0	0.00	0	125.40	8.00	0.00	9.31
Re	GT2000	0-8	1	0	15.68	0	129.73	1.00	0.00	13.49
Re	GT2000	0-8	4	0	15.68	0	129.84	4.00	0.00	13.50
Re	GT2000	0-8	5	0	15.68	0	129.06	5	0	13.42
Re	GT2000	0-8	6	0	0.00	0	127.41	6	0	13.25
Re	GT2000	0-8	8	0	0.00	0	127.66	8	0	13.28
Re	GT2000	16-26	1	0	0.00	0	125.72	1.00	0.00	9.33
Re	GT2000	16-26	4	0	0.00	0	126.25	4.00	0.00	9.37
Re	GT2000	16-26	5	0	0.00	0	124.18	5.00	0.00	9.22
Re	GT2000	16-26	8	0	0.00	0	125.40	8.00	0.00	9.31
Re	GT2000	8-16	1	0	15.68	0	129.73	1.00	0.00	13.49
Re	GT2000	8-16	4	0	15.68	0	129.84	4	0	13.50
Re	GT2000	8-16	5	0	15.68	0	129.06	5	0	13.42
Re	GT2000	8-16	6	0	0.00	0	127.41	6	0	13.25
Re	GT2000	8-16	8	0	0.00	0	127.66	8.00	0.00	13.28
Re	GT2000	GT26	1	0	0.00	0	125.72	1	0	9.33
Re	GT2000	GT26	4	0	0.00	0	126.25	4.00	0.00	9.37
Re	GT2000	GT26	5	0	0.00	0	124.18	5.00	0.00	9.22
Re	GT2000	GT26	8	0	0.00	0	125.40	8.00	0.00	9.31
Or	1500-1700	0-8	1	0	15.68	0	129.73	1	0	13.49
Or	1500-1700	0-8	4	0	15.68	0	129.84	4	0	13.50
Or	1500-1700	0-8	5	0	15.68	0	129.06	5	0	13.42
Or	1500-1700	0-8	6	0	0.00	0	127.41	6.00	0.00	13.25
Or	1500-1700	0-8	8	0	0.00	0	127.66	8.00	0.00	13.28
Or	1500-1700	16-26	1	0	0.00	0	125.72	1.00	0.00	9.33
Or	1500-1700	16-26	4	0	0.00	0	126.25	4.00	0.00	9.37
Or	1500-1700	16-26	5	0	0.00	0	124.18	5.00	0.00	9.22
Or	1500-1700	16-26	8	0	0.00	0	125.40	8	0	9.31
Or	1500-1700	8-16	1	0	15.68	0	129.73	1	0	13.49
Or	1500-1700	8-16	4	0	15.68	0	129.84	4	0	13.50

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
Or	1500-1700	8-16	5	0	15.68	0	129.06	5.00	0.00	13.42
Or	1500-1700	8-16	6	0	0.00	0	127.41	6	0	13.25
Or	1500-1700	8-16	8	0	0.00	0	127.66	8.00	0.00	13.28
Or	LT1500	0-8	1	0	15.68	0	129.73	1.00	0.00	13.49
Or	LT1500	0-8	4	0	15.68	0	129.84	4.00	0.00	13.50
Or	LT1500	0-8	5	0	15.68	0	129.06	5	0	13.42
Or	LT1500	0-8	6	0	0.00	0	127.41	6	0	13.25
Or	LT1500	0-8	8	0	0.00	0	127.66	8	0	13.28
Or	LT1500	16-26	1	0	0.00	0	125.72	1.00	0.00	9.33
Or	LT1500	16-26	4	0	0.00	0	126.25	4.00	0.00	9.37
Or	LT1500	16-26	5	0	0.00	0	124.18	5.00	0.00	9.22
Or	LT1500	16-26	8	0	0.00	0	125.40	8.00	0.00	9.31
Or	LT1500	8-16	1	0	0.00	0	125.72	1.00	0.00	9.33
Or	LT1500	8-16	4	0	0.00	0	126.25	4	0	9.37
Or	LT1500	8-16	5	0	0.00	0	124.18	5	0	9.22
Or	LT1500	8-16	8	0	0.00	0	125.40	8	0	9.31
other	1500-1700	0-8	1	0	15.68	0	223.99	1.00	14.25	23.29
other	1500-1700	0-8	2	0	15.68	0	220.23	2	0	22.90
other	1500-1700	0-8	4	0	15.68	0	219.89	4.00	0.00	22.87
other	1500-1700	0-8	5	0	15.68	0	213.46	5.00	0.00	22.20
other	1500-1700	0-8	6	0	0.00	0	211.61	6.00	0.00	22.01
other	1500-1700	0-8	8	0	0.00	0	216.00	8	0	22.46
other	1500-1700	16-26	1	0	0.00	0	0.00	1	20.31692308	12.60
other	1500-1700	16-26	4	0	0.00	0	0.00	4	20.31692308	12.65
other	1500-1700	16-26	5	0	0.00	0	0.00	5.00	20.32	12.56
other	1500-1700	16-26	8	0	0.00	0	0.00	8.00	20.32	12.63
other	1500-1700	8-16	1	0	15.68	0	223.99	1.00	14.25	23.29
other	1500-1700	8-16	2	0	15.68	0	220.23	2.00	0.00	22.90
other	1500-1700	8-16	4	0	15.68	0	219.89	4.00	0.00	22.87
other	1500-1700	8-16	5	0	15.68	0	213.46	5	0	22.20
other	1500-1700	8-16	6	0	0.00	0	211.61	6	0	22.01
other	1500-1700	8-16	8	0	0.00	0	216.00	8	0	22.46
other	1500-1700	GT26	1	0	0.00	0	0.00	1.00	20.32	12.60
other	1500-1700	GT26	4	0	0.00	0	0.00	4	20.31692308	12.65
other	1500-1700	GT26	5	0	0.00	0	0.00	5.00	20.32	12.56
other	1500-1700	GT26	8	0	0.00	0	0.00	8.00	20.32	12.63
other	1700-2000	0-8	1	0	15.68	0	223.99	1.00	14.25	23.29
other	1700-2000	0-8	2	0	15.68	0	220.23	2	0	22.90
other	1700-2000	0-8	4	0	15.68	0	219.89	4	0	22.87
other	1700-2000	0-8	5	0	15.68	0	213.46	5	0	22.20
other	1700-2000	0-8	6	0	0.00	0	211.61	6.00	0.00	22.01
other	1700-2000	0-8	8	0	0.00	0	216.00	8.00	0.00	22.46
other	1700-2000	16-26	1	0	0.00	0	0.00	1.00	20.32	12.60
other	1700-2000	16-26	4	0	0.00	0	0.00	4.00	20.32	12.65
other	1700-2000	16-26	5	0	0.00	0	0.00	5.00	20.32	12.56
other	1700-2000	16-26	8	0	0.00	0	0.00	8	20.31692308	12.63
other	1700-2000	8-16	1	0	15.68	0	223.99	1	14.25311203	23.29
other	1700-2000	8-16	2	0	15.68	0	220.23	2	0	22.90
other	1700-2000	8-16	4	0	15.68	0	219.89	4.00	0.00	22.87

soil	rain	slope	mosd	efpf	efr	efg	effnl	mosd	efn	efl
other	1700-2000	8-16	5	0	15.68	0	213.46	5	0	22.20
other	1700-2000	8-16	6	0	0.00	0	211.61	6.00	0.00	22.01
other	1700-2000	8-16	8	0	0.00	0	216.00	8.00	0.00	22.46
other	1700-2000	GT26	1	0	0.00	0	0.00	1.00	20.32	12.60
other	1700-2000	GT26	4	0	0.00	0	0.00	4	20.31692308	12.65
other	1700-2000	GT26	5	0	0.00	0	0.00	5	20.31692308	12.56
other	1700-2000	GT26	8	0	0.00	0	0.00	8	20.31692308	12.63
other	LT1500	0-8	1	0	15.68	0	223.99	1.00	14.25	23.29
other	LT1500	0-8	2	0	15.68	0	220.23	2.00	0.00	22.90
other	LT1500	0-8	4	0	15.68	0	219.89	4.00	0.00	22.87
other	LT1500	0-8	5	0	15.68	0	213.46	5.00	0.00	22.20
other	LT1500	0-8	6	0	0.00	0	211.61	6.00	0.00	22.01
other	LT1500	0-8	8	0	0.00	0	216.00	8	0	22.46
other	GT2000	0-8	1	0	15.68	0	236.73	1	14.25311203	24.62
other	GT2000	0-8	2	0	15.68	0	234.16	2	0	24.35
other	GT2000	0-8	4	0	15.68	0	234.95	4.00	0.00	24.44
other	GT2000	0-8	5	0	15.68	0	226.71	5	0	23.58
other	GT2000	0-8	6	0	0.00	0	226.70	6.00	0.00	23.58
other	GT2000	0-8	8	0	0.00	0	227.15	8.00	0.00	23.62
other	GT2000	16-26	1	0	0.00	0	0.00	1.00	20.32	13.89
other	GT2000	16-26	2	0	0.00	0	0.00	2	0	13.66
other	GT2000	16-26	4	0	0.00	0	0.00	4	0	13.73
other	GT2000	16-26	5	0	0.00	0	0.00	5	0	13.58
other	GT2000	16-26	8	0	0.00	0	0.00	8.00	0.00	13.77
other	GT2000	8-16	1	0	15.68	0	236.73	1.00	14.25	24.62
other	GT2000	8-16	2	0	15.68	0	234.16	2.00	0.00	24.35
other	GT2000	8-16	4	0	15.68	0	234.95	4.00	0.00	24.44
other	GT2000	8-16	5	0	15.68	0	226.71	5.00	0.00	23.58
other	GT2000	8-16	6	0	0.00	0	226.70	6	0	23.58
other	GT2000	8-16	8	0	0.00	0	227.15	8	0	23.62

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eoee	eoee	esae
AI	1500-1700	0-8	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
AI	1500-1700	0-8	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
AI	1500-1700	0-8	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
AI	1500-1700	0-8	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00
AI	1500-1700	0-8	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
AI	1500-1700	16-26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
AI	1500-1700	16-26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
AI	1500-1700	16-26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
AI	1500-1700	16-26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
AI	1500-1700	8-16	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
AI	1500-1700	8-16	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
AI	1500-1700	8-16	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
AI	1500-1700	8-16	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00
AI	1500-1700	8-16	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
AI	1500-1700	GT26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
AI	1500-1700	GT26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
AI	1500-1700	GT26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
AI	1500-1700	GT26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
AI	1700-2000	0-8	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
AI	1700-2000	0-8	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
AI	1700-2000	0-8	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
AI	1700-2000	0-8	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00
AI	1700-2000	0-8	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
AI	1700-2000	16-26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
AI	1700-2000	16-26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
AI	1700-2000	16-26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
AI	1700-2000	16-26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
AI	1700-2000	8-16	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
AI	1700-2000	8-16	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
AI	1700-2000	8-16	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
AI	1700-2000	8-16	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00
AI	1700-2000	8-16	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
AI	1700-2000	GT26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
AI	1700-2000	GT26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
AI	1700-2000	GT26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
AI	1700-2000	GT26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
AI	LT1500	0-8	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
AI	LT1500	0-8	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
AI	LT1500	0-8	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
AI	LT1500	0-8	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00
AI	LT1500	0-8	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
AI	LT1500	16-26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
AI	LT1500	16-26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
AI	LT1500	16-26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
AI	LT1500	16-26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
AI	LT1500	8-16	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
AI	LT1500	8-16	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
AI	LT1500	8-16	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
AI	LT1500	8-16	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eoee	eoee	esae
Al	LT1500	8-16	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
Al	LT1500	GT26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
Al	LT1500	GT26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
Al	LT1500	GT26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
Al	LT1500	GT26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
Al	GT2000	0-8	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
Al	GT2000	0-8	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
Al	GT2000	0-8	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
Al	GT2000	0-8	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00
Al	GT2000	0-8	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
Al	GT2000	16-26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
Al	GT2000	16-26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
Al	GT2000	16-26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
Al	GT2000	16-26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
Al	GT2000	8-16	1	15.71	37.00	38.00	75.00	21.48	14.09	8.05	34.00
Al	GT2000	8-16	4	15.69	37.00	38.00	75.00	21.46	14.08	8.05	34.00
Al	GT2000	8-16	5	15.68	37.00	38.00	75.00	21.45	14.07	8.04	34.00
Al	GT2000	8-16	6	16.28	37.00	38.00	75.00	22.26	14.61	8.35	34.00
Al	GT2000	8-16	8	16.46	37.00	38.00	75.00	22.51	14.77	8.44	34.00
Al	GT2000	GT26	1	13.90	28.85	24.62	63.22	19.83	10.21	7.13	28.74
Al	GT2000	GT26	4	13.95	28.85	24.62	63.22	19.91	10.25	7.15	28.74
Al	GT2000	GT26	5	13.86	28.85	24.62	63.22	19.79	10.19	7.11	28.74
Al	GT2000	GT26	8	13.90	28.85	24.62	63.22	19.85	10.22	7.13	28.74
Po	1500-1700	0-8	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
Po	1500-1700	0-8	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
Po	1500-1700	0-8	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
Po	1500-1700	0-8	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
Po	1500-1700	0-8	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
Po	1500-1700	0-8	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
Po	1500-1700	16-26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
Po	1500-1700	16-26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
Po	1500-1700	16-26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
Po	1500-1700	16-26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
Po	1500-1700	8-16	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
Po	1500-1700	8-16	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
Po	1500-1700	8-16	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
Po	1500-1700	8-16	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
Po	1500-1700	8-16	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
Po	1500-1700	8-16	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
Po	1500-1700	GT26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
Po	1500-1700	GT26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
Po	1500-1700	GT26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
Po	1500-1700	GT26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
Po	1700-2000	0-8	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
Po	1700-2000	0-8	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
Po	1700-2000	0-8	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
Po	1700-2000	0-8	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
Po	1700-2000	0-8	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
Po	1700-2000	0-8	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eo	eoee	esae
Po	1700-2000	16-26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
Po	1700-2000	16-26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
Po	1700-2000	16-26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
Po	1700-2000	16-26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
Po	1700-2000	8-16	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
Po	1700-2000	8-16	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
Po	1700-2000	8-16	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
Po	1700-2000	8-16	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
Po	1700-2000	8-16	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
Po	1700-2000	8-16	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
Po	1700-2000	GT26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
Po	1700-2000	GT26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
Po	1700-2000	GT26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
Po	1700-2000	GT26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
Po	GT2000	0-8	1	22.16	37.00	38.00	75.00	30.30	19.88	11.37	34.00
Po	GT2000	0-8	2	21.92	37.00	38.00	75.00	29.97	19.67	11.24	34.00
Po	GT2000	0-8	4	21.99	37.00	38.00	75.00	30.07	19.73	11.28	34.00
Po	GT2000	0-8	5	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
Po	GT2000	0-8	6	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
Po	GT2000	0-8	8	21.26	37.00	38.00	75.00	29.07	19.08	10.90	34.00
Po	GT2000	16-26	1	16.25	28.85	24.62	63.22	23.19	11.94	8.33	28.74
Po	GT2000	16-26	2	15.99	28.85	24.62	63.22	22.82	11.75	8.20	28.74
Po	GT2000	16-26	4	16.06	28.85	24.62	63.22	22.93	11.81	8.24	28.74
Po	GT2000	16-26	5	15.89	28.85	24.62	63.22	22.68	11.68	8.15	28.74
Po	GT2000	16-26	8	16.11	28.85	24.62	63.22	22.99	11.84	8.26	28.74
Po	GT2000	8-16	1	22.16	37.00	38.00	75.00	30.30	19.88	11.37	34.00
Po	GT2000	8-16	2	21.92	37.00	38.00	75.00	29.97	19.67	11.24	34.00
Po	GT2000	8-16	4	21.99	37.00	38.00	75.00	30.07	19.73	11.28	34.00
Po	GT2000	8-16	5	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
Po	GT2000	8-16	6	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
Po	GT2000	8-16	8	21.26	37.00	38.00	75.00	29.07	19.08	10.90	34.00
Po	GT2000	GT26	1	16.25	28.85	24.62	63.22	23.19	11.94	8.33	28.74
Po	GT2000	GT26	2	15.99	28.85	24.62	63.22	22.82	11.75	8.20	28.74
Po	GT2000	GT26	4	16.06	28.85	24.62	63.22	22.93	11.81	8.24	28.74
Po	GT2000	GT26	5	15.89	28.85	24.62	63.22	22.68	11.68	8.15	28.74
Po	GT2000	GT26	8	16.11	28.85	24.62	63.22	22.99	11.84	8.26	28.74
Po	GT2000	other	1	16.25	28.85	24.62	63.22	23.19	11.94	8.33	28.74
Po	GT2000	other	2	15.99	28.85	24.62	63.22	22.82	11.75	8.20	28.74
Po	GT2000	other	4	16.06	28.85	24.62	63.22	22.93	11.81	8.24	28.74
Po	GT2000	other	5	15.89	28.85	24.62	63.22	22.68	11.68	8.15	28.74
Po	GT2000	other	8	16.11	28.85	24.62	63.22	22.99	11.84	8.26	28.74
Pu	1500-1700	0-8	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	1500-1700	0-8	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	1500-1700	0-8	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00
Pu	1500-1700	0-8	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	1500-1700	0-8	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	1500-1700	16-26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	1500-1700	16-26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	1500-1700	16-26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eoee	eoee	esae
Pu	1500-1700	16-26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Pu	1500-1700	8-16	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	1500-1700	8-16	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	1500-1700	8-16	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00
Pu	1500-1700	8-16	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	1500-1700	8-16	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	1500-1700	GT26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	1500-1700	GT26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	1500-1700	GT26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74
Pu	1500-1700	GT26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Pu	1700-2000	0-8	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	1700-2000	0-8	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	1700-2000	0-8	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00
Pu	1700-2000	0-8	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	1700-2000	0-8	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	1700-2000	16-26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	1700-2000	16-26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	1700-2000	16-26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74
Pu	1700-2000	16-26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Pu	1700-2000	8-16	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	1700-2000	8-16	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	1700-2000	8-16	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00
Pu	1700-2000	8-16	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	1700-2000	8-16	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	1700-2000	GT26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	1700-2000	GT26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	1700-2000	GT26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74
Pu	1700-2000	GT26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Pu	LT1500	0-8	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	LT1500	0-8	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	LT1500	0-8	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00
Pu	LT1500	0-8	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	LT1500	0-8	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	LT1500	16-26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	LT1500	16-26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	LT1500	16-26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74
Pu	LT1500	16-26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Pu	LT1500	8-16	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	LT1500	8-16	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	LT1500	8-16	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00
Pu	LT1500	8-16	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	LT1500	8-16	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	LT1500	GT26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	LT1500	GT26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	LT1500	GT26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74
Pu	LT1500	GT26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Pu	GT2000	0-8	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	GT2000	0-8	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	GT2000	0-8	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eoee	eoee	esae
Pu	GT2000	0-8	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	GT2000	0-8	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	GT2000	16-26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	GT2000	16-26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	GT2000	16-26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74
Pu	GT2000	16-26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Pu	GT2000	8-16	1	19.32	37.00	38.00	75.00	26.42	17.34	9.91	34.00
Pu	GT2000	8-16	4	19.37	37.00	38.00	75.00	26.49	17.38	9.93	34.00
Pu	GT2000	8-16	5	18.93	37.00	38.00	75.00	25.88	16.99	9.71	34.00
Pu	GT2000	8-16	6	19.12	37.00	38.00	75.00	26.14	17.15	9.80	34.00
Pu	GT2000	8-16	8	19.44	37.00	38.00	75.00	26.59	17.45	9.97	34.00
Pu	GT2000	GT26	1	14.58	28.85	24.62	63.22	20.82	10.72	7.48	28.74
Pu	GT2000	GT26	4	14.60	28.85	24.62	63.22	20.84	10.73	7.49	28.74
Pu	GT2000	GT26	5	14.41	28.85	24.62	63.22	20.57	10.59	7.39	28.74
Pu	GT2000	GT26	8	14.44	28.85	24.62	63.22	20.61	10.62	7.41	28.74
Re	1500-1700	0-8	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	1500-1700	0-8	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	1500-1700	0-8	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	1500-1700	0-8	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	1500-1700	0-8	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	1500-1700	16-26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	1500-1700	16-26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Re	1500-1700	16-26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	1500-1700	16-26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Re	1500-1700	8-16	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	1500-1700	8-16	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	1500-1700	8-16	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	1500-1700	8-16	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	1500-1700	8-16	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	1500-1700	GT26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	1500-1700	GT26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Re	1500-1700	GT26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	1500-1700	GT26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Re	1700-2000	0-8	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	1700-2000	0-8	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	1700-2000	0-8	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	1700-2000	0-8	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	1700-2000	0-8	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	1700-2000	16-26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	1700-2000	16-26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Re	1700-2000	16-26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	1700-2000	16-26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Re	1700-2000	8-16	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	1700-2000	8-16	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	1700-2000	8-16	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	1700-2000	8-16	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	1700-2000	8-16	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	1700-2000	GT26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	1700-2000	GT26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eoee	eoee	esae
Re	1700-2000	GT26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	1700-2000	GT26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Re	LT1500	0-8	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	LT1500	0-8	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	LT1500	0-8	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	LT1500	0-8	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	LT1500	0-8	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	LT1500	16-26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	LT1500	16-26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Re	LT1500	16-26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	LT1500	16-26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Re	LT1500	8-16	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	LT1500	8-16	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	LT1500	8-16	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	LT1500	8-16	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	LT1500	8-16	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	LT1500	GT26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	LT1500	GT26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Re	LT1500	GT26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	LT1500	GT26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Re	GT2000	0-8	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	GT2000	0-8	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	GT2000	0-8	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	GT2000	0-8	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	GT2000	0-8	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	GT2000	16-26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	GT2000	16-26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Re	GT2000	16-26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	GT2000	16-26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Re	GT2000	8-16	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Re	GT2000	8-16	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Re	GT2000	8-16	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Re	GT2000	8-16	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Re	GT2000	8-16	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Re	GT2000	GT26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Re	GT2000	GT26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Re	GT2000	GT26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Re	GT2000	GT26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Or	1500-1700	0-8	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Or	1500-1700	0-8	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Or	1500-1700	0-8	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Or	1500-1700	0-8	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Or	1500-1700	0-8	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Or	1500-1700	16-26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Or	1500-1700	16-26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Or	1500-1700	16-26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Or	1500-1700	16-26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Or	1500-1700	8-16	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Or	1500-1700	8-16	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eoee	eoee	esae
Or	1500-1700	8-16	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Or	1500-1700	8-16	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Or	1500-1700	8-16	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Or	LT1500	0-8	1	12.14	37.00	38.00	75.00	16.61	10.90	6.23	34.00
Or	LT1500	0-8	4	12.15	37.00	38.00	75.00	16.62	10.90	6.23	34.00
Or	LT1500	0-8	5	12.08	37.00	38.00	75.00	16.52	10.84	6.20	34.00
Or	LT1500	0-8	6	11.93	37.00	38.00	75.00	16.31	10.70	6.12	34.00
Or	LT1500	0-8	8	11.95	37.00	38.00	75.00	16.34	10.72	6.13	34.00
Or	LT1500	16-26	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Or	LT1500	16-26	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Or	LT1500	16-26	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Or	LT1500	16-26	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
Or	LT1500	8-16	1	10.92	28.85	24.62	63.22	15.59	8.03	5.60	28.74
Or	LT1500	8-16	4	10.97	28.85	24.62	63.22	15.65	8.06	5.62	28.74
Or	LT1500	8-16	5	10.79	28.85	24.62	63.22	15.40	7.93	5.53	28.74
Or	LT1500	8-16	8	10.89	28.85	24.62	63.22	15.55	8.01	5.58	28.74
other	1500-1700	0-8	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
other	1500-1700	0-8	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
other	1500-1700	0-8	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
other	1500-1700	0-8	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
other	1500-1700	0-8	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
other	1500-1700	0-8	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
other	1500-1700	16-26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
other	1500-1700	16-26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
other	1500-1700	16-26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
other	1500-1700	16-26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
other	1500-1700	8-16	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
other	1500-1700	8-16	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
other	1500-1700	8-16	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
other	1500-1700	8-16	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
other	1500-1700	8-16	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
other	1500-1700	8-16	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
other	1500-1700	GT26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
other	1500-1700	GT26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
other	1500-1700	GT26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
other	1500-1700	GT26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
other	1700-2000	0-8	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
other	1700-2000	0-8	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
other	1700-2000	0-8	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
other	1700-2000	0-8	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
other	1700-2000	0-8	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
other	1700-2000	0-8	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
other	1700-2000	16-26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
other	1700-2000	16-26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
other	1700-2000	16-26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
other	1700-2000	16-26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
other	1700-2000	8-16	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
other	1700-2000	8-16	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
other	1700-2000	8-16	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00

soil	rain	slope	mosd	eowpc	eove	eof	eorm	eofc	eoee	eoee	esae
other	1700-2000	8-16	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
other	1700-2000	8-16	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
other	1700-2000	8-16	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
other	1700-2000	GT26	1	14.74	28.85	24.62	63.22	21.04	10.84	7.56	28.74
other	1700-2000	GT26	4	14.80	28.85	24.62	63.22	21.13	10.88	7.59	28.74
other	1700-2000	GT26	5	14.69	28.85	24.62	63.22	20.97	10.80	7.54	28.74
other	1700-2000	GT26	8	14.78	28.85	24.62	63.22	21.10	10.86	7.58	28.74
other	LT1500	0-8	1	20.97	37.00	38.00	75.00	28.67	18.81	10.75	34.00
other	LT1500	0-8	2	20.61	37.00	38.00	75.00	28.19	18.50	10.57	34.00
other	LT1500	0-8	4	20.58	37.00	38.00	75.00	28.15	18.47	10.56	34.00
other	LT1500	0-8	5	19.98	37.00	38.00	75.00	27.32	17.93	10.24	34.00
other	LT1500	0-8	6	19.80	37.00	38.00	75.00	27.09	17.78	10.16	34.00
other	LT1500	0-8	8	20.22	37.00	38.00	75.00	27.65	18.15	10.37	34.00
other	GT2000	0-8	1	22.16	37.00	38.00	75.00	30.30	19.88	11.37	34.00
other	GT2000	0-8	2	21.92	37.00	38.00	75.00	29.97	19.67	11.24	34.00
other	GT2000	0-8	4	21.99	37.00	38.00	75.00	30.07	19.73	11.28	34.00
other	GT2000	0-8	5	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
other	GT2000	0-8	6	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
other	GT2000	0-8	8	21.26	37.00	38.00	75.00	29.07	19.08	10.90	34.00
other	GT2000	16-26	1	16.25	28.85	24.62	63.22	23.19	11.94	8.33	28.74
other	GT2000	16-26	2	15.99	28.85	24.62	63.22	22.82	11.75	8.20	28.74
other	GT2000	16-26	4	16.06	28.85	24.62	63.22	22.93	11.81	8.24	28.74
other	GT2000	16-26	5	15.89	28.85	24.62	63.22	22.68	11.68	8.15	28.74
other	GT2000	16-26	8	16.11	28.85	24.62	63.22	22.99	11.84	8.26	28.74
other	GT2000	8-16	1	22.16	37.00	38.00	75.00	30.30	19.88	11.37	34.00
other	GT2000	8-16	2	21.92	37.00	38.00	75.00	29.97	19.67	11.24	34.00
other	GT2000	8-16	4	21.99	37.00	38.00	75.00	30.07	19.73	11.28	34.00
other	GT2000	8-16	5	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
other	GT2000	8-16	6	21.22	37.00	38.00	75.00	29.02	19.04	10.88	34.00
other	GT2000	8-16	8	21.26	37.00	38.00	75.00	29.07	19.08	10.90	34.00

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
AI	1500-1700	0-8	1	18.00	11.68	53.69	915.67	70.00	985.67
AI	1500-1700	0-8	4	18.00	11.67	53.65	913.04	70.00	983.04
AI	1500-1700	0-8	5	18.00	11.66	53.62	956.16	70.00	1026.16
AI	1500-1700	0-8	6	18.00	12.10	55.66	943.52	70.00	1013.52
AI	1500-1700	0-8	8	18.00	12.24	56.27	952.13	70.00	1022.13
AI	1500-1700	16-26	1	13.75	5.46	23.75	720.26	41.57	761.82
AI	1500-1700	16-26	4	13.75	5.48	23.85	720.50	41.73	762.23
AI	1500-1700	16-26	5	13.75	5.45	23.70	757.52	41.48	798.99
AI	1500-1700	16-26	8	13.75	5.47	23.77	759.54	41.60	801.13
AI	1500-1700	8-16	1	18.00	11.68	53.69	915.67	70.00	985.67
AI	1500-1700	8-16	4	18.00	11.67	53.65	913.04	70.00	983.04
AI	1500-1700	8-16	5	18.00	11.66	53.62	956.16	70.00	1026.16
AI	1500-1700	8-16	6	18.00	12.10	55.66	943.52	70.00	1013.52
AI	1500-1700	8-16	8	18.00	12.24	56.27	952.13	70.00	1022.13
AI	1500-1700	GT26	1	13.75	5.46	23.75	720.26	41.57	761.82
AI	1500-1700	GT26	4	13.75	5.48	23.85	720.50	41.73	762.23
AI	1500-1700	GT26	5	13.75	5.45	23.70	757.52	41.48	798.99
AI	1500-1700	GT26	8	13.75	5.47	23.77	759.54	41.60	801.13
AI	1700-2000	0-8	1	18.00	11.68	53.69	915.67	70.00	985.67
AI	1700-2000	0-8	4	18.00	11.67	53.65	913.04	70.00	983.04
AI	1700-2000	0-8	5	18.00	11.66	53.62	956.16	70.00	1026.16
AI	1700-2000	0-8	6	18.00	12.10	55.66	943.52	70.00	1013.52
AI	1700-2000	0-8	8	18.00	12.24	56.27	952.13	70.00	1022.13
AI	1700-2000	16-26	1	13.75	5.46	23.75	720.26	41.57	761.82
AI	1700-2000	16-26	4	13.75	5.48	23.85	720.50	41.73	762.23
AI	1700-2000	16-26	5	13.75	5.45	23.70	757.52	41.48	798.99
AI	1700-2000	16-26	8	13.75	5.47	23.77	759.54	41.60	801.13
AI	1700-2000	8-16	1	18.00	11.68	53.69	915.67	70.00	985.67
AI	1700-2000	8-16	4	18.00	11.67	53.65	913.04	70.00	983.04
AI	1700-2000	8-16	5	18.00	11.66	53.62	956.16	70.00	1026.16
AI	1700-2000	8-16	6	18.00	12.10	55.66	943.52	70.00	1013.52
AI	1700-2000	8-16	8	18.00	12.24	56.27	952.13	70.00	1022.13
AI	1700-2000	GT26	1	13.75	5.46	23.75	720.26	41.57	761.82
AI	1700-2000	GT26	4	13.75	5.48	23.85	720.50	41.73	762.23
AI	1700-2000	GT26	5	13.75	5.45	23.70	757.52	41.48	798.99
AI	1700-2000	GT26	8	13.75	5.47	23.77	759.54	41.60	801.13
AI	LT1500	0-8	1	18.00	11.68	53.69	915.67	70.00	985.67
AI	LT1500	0-8	4	18.00	11.67	53.65	913.04	70.00	983.04
AI	LT1500	0-8	5	18.00	11.66	53.62	956.16	70.00	1026.16
AI	LT1500	0-8	6	18.00	12.10	55.66	943.52	70.00	1013.52
AI	LT1500	0-8	8	18.00	12.24	56.27	952.13	70.00	1022.13
AI	LT1500	16-26	1	13.75	5.46	23.75	720.26	41.57	761.82
AI	LT1500	16-26	4	13.75	5.48	23.85	720.50	41.73	762.23
AI	LT1500	16-26	5	13.75	5.45	23.70	757.52	41.48	798.99
AI	LT1500	16-26	8	13.75	5.47	23.77	759.54	41.60	801.13
AI	LT1500	8-16	1	18.00	11.68	53.69	915.67	70.00	985.67
AI	LT1500	8-16	4	18.00	11.67	53.65	913.04	70.00	983.04
AI	LT1500	8-16	5	18.00	11.66	53.62	956.16	70.00	1026.16
AI	LT1500	8-16	6	18.00	12.10	55.66	943.52	70.00	1013.52

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
Al	LT1500	8-16	8	18.00	12.24	56.27	952.13	70.00	1022.13
Al	LT1500	GT26	1	13.75	5.46	23.75	720.26	41.57	761.82
Al	LT1500	GT26	4	13.75	5.48	23.85	720.50	41.73	762.23
Al	LT1500	GT26	5	13.75	5.45	23.70	757.52	41.48	798.99
Al	LT1500	GT26	8	13.75	5.47	23.77	759.54	41.60	801.13
Al	GT2000	0-8	1	18.00	11.68	53.69	915.67	70.00	985.67
Al	GT2000	0-8	4	18.00	11.67	53.65	913.04	70.00	983.04
Al	GT2000	0-8	5	18.00	11.66	53.62	956.16	70.00	1026.16
Al	GT2000	0-8	6	18.00	12.10	55.66	943.52	70.00	1013.52
Al	GT2000	0-8	8	18.00	12.24	56.27	952.13	70.00	1022.13
Al	GT2000	16-26	1	13.75	5.46	23.75	720.26	41.57	761.82
Al	GT2000	16-26	4	13.75	5.48	23.85	720.50	41.73	762.23
Al	GT2000	16-26	5	13.75	5.45	23.70	757.52	41.48	798.99
Al	GT2000	16-26	8	13.75	5.47	23.77	759.54	41.60	801.13
Al	GT2000	8-16	1	18.00	11.68	53.69	915.67	70.00	985.67
Al	GT2000	8-16	4	18.00	11.67	53.65	913.04	70.00	983.04
Al	GT2000	8-16	5	18.00	11.66	53.62	956.16	70.00	1026.16
Al	GT2000	8-16	6	18.00	12.10	55.66	943.52	70.00	1013.52
Al	GT2000	8-16	8	18.00	12.24	56.27	952.13	70.00	1022.13
Al	GT2000	GT26	1	13.75	5.46	23.75	720.26	41.57	761.82
Al	GT2000	GT26	4	13.75	5.48	23.85	720.50	41.73	762.23
Al	GT2000	GT26	5	13.75	5.45	23.70	757.52	41.48	798.99
Al	GT2000	GT26	8	13.75	5.47	23.77	759.54	41.60	801.13
Po	1500-1700	0-8	1	18.00	15.59	71.68	1215.56	70.00	1285.56
Po	1500-1700	0-8	2	18.00	15.33	70.47	1185.58	70.00	1255.58
Po	1500-1700	0-8	4	18.00	15.30	70.37	1185.33	70.00	1255.33
Po	1500-1700	0-8	5	18.00	14.86	68.31	1245.13	70.00	1315.13
Po	1500-1700	0-8	6	18.00	14.73	67.72	1203.20	70.00	1273.20
Po	1500-1700	0-8	8	18.00	15.03	69.12	1224.42	70.00	1294.42
Po	1500-1700	16-26	1	13.75	5.80	25.20	794.26	44.10	838.36
Po	1500-1700	16-26	4	13.75	5.82	25.30	795.92	44.29	840.21
Po	1500-1700	16-26	5	13.75	5.78	25.12	839.75	43.95	883.70
Po	1500-1700	16-26	8	13.75	5.81	25.27	844.31	44.22	888.52
Po	1500-1700	8-16	1	18.00	15.59	71.68	1215.56	70.00	1285.56
Po	1500-1700	8-16	2	18.00	15.33	70.47	1185.58	70.00	1255.58
Po	1500-1700	8-16	4	18.00	15.30	70.37	1185.33	70.00	1255.33
Po	1500-1700	8-16	5	18.00	14.86	68.31	1245.13	70.00	1315.13
Po	1500-1700	8-16	6	18.00	14.73	67.72	1203.20	70.00	1273.20
Po	1500-1700	8-16	8	18.00	15.03	69.12	1224.42	70.00	1294.42
Po	1500-1700	GT26	1	13.75	5.80	25.20	794.26	44.10	838.36
Po	1500-1700	GT26	4	13.75	5.82	25.30	795.92	44.29	840.21
Po	1500-1700	GT26	5	13.75	5.78	25.12	839.75	43.95	883.70
Po	1500-1700	GT26	8	13.75	5.81	25.27	844.31	44.22	888.52
Po	1700-2000	0-8	1	18.00	15.59	71.68	1215.56	70.00	1285.56
Po	1700-2000	0-8	2	18.00	15.33	70.47	1185.58	70.00	1255.58
Po	1700-2000	0-8	4	18.00	15.30	70.37	1185.33	70.00	1255.33
Po	1700-2000	0-8	5	18.00	14.86	68.31	1245.13	70.00	1315.13
Po	1700-2000	0-8	6	18.00	14.73	67.72	1203.20	70.00	1273.20
Po	1700-2000	0-8	8	18.00	15.03	69.12	1224.42	70.00	1294.42

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
Po	1700-2000	16-26	1	13.75	5.80	25.20	794.26	44.10	838.36
Po	1700-2000	16-26	4	13.75	5.82	25.30	795.92	44.29	840.21
Po	1700-2000	16-26	5	13.75	5.78	25.12	839.75	43.95	883.70
Po	1700-2000	16-26	8	13.75	5.81	25.27	844.31	44.22	888.52
Po	1700-2000	8-16	1	18.00	15.59	71.68	1215.56	70.00	1285.56
Po	1700-2000	8-16	2	18.00	15.33	70.47	1185.58	70.00	1255.58
Po	1700-2000	8-16	4	18.00	15.30	70.37	1185.33	70.00	1255.33
Po	1700-2000	8-16	5	18.00	14.86	68.31	1245.13	70.00	1315.13
Po	1700-2000	8-16	6	18.00	14.73	67.72	1203.20	70.00	1273.20
Po	1700-2000	8-16	8	18.00	15.03	69.12	1224.42	70.00	1294.42
Po	1700-2000	GT26	1	13.75	5.80	25.20	794.26	44.10	838.36
Po	1700-2000	GT26	4	13.75	5.82	25.30	795.92	44.29	840.21
Po	1700-2000	GT26	5	13.75	5.78	25.12	839.75	43.95	883.70
Po	1700-2000	GT26	8	13.75	5.81	25.27	844.31	44.22	888.52
Po	GT2000	0-8	1	18.00	16.48	75.76	1364.44	70.00	1434.44
Po	GT2000	0-8	2	18.00	16.30	74.93	1341.51	70.00	1411.51
Po	GT2000	0-8	4	18.00	16.35	75.18	1346.62	70.00	1416.62
Po	GT2000	0-8	5	18.00	15.78	72.54	1401.32	70.00	1471.32
Po	GT2000	0-8	6	18.00	15.78	72.54	1351.60	70.00	1421.60
Po	GT2000	0-8	8	18.00	15.81	72.69	1351.67	70.00	1421.67
Po	GT2000	16-26	1	13.75	6.39	27.77	846.74	48.60	895.34
Po	GT2000	16-26	2	13.75	6.29	27.33	817.55	47.83	865.38
Po	GT2000	16-26	4	13.75	6.32	27.46	823.28	48.05	871.34
Po	GT2000	16-26	5	13.75	6.25	27.16	858.77	47.53	906.30
Po	GT2000	16-26	8	13.75	6.34	27.54	869.37	48.19	917.56
Po	GT2000	8-16	1	18.00	16.48	75.76	1364.44	70.00	1434.44
Po	GT2000	8-16	2	18.00	16.30	74.93	1341.51	70.00	1411.51
Po	GT2000	8-16	4	18.00	16.35	75.18	1346.62	70.00	1416.62
Po	GT2000	8-16	5	18.00	15.78	72.54	1401.32	70.00	1471.32
Po	GT2000	8-16	6	18.00	15.78	72.54	1351.60	70.00	1421.60
Po	GT2000	8-16	8	18.00	15.81	72.69	1351.67	70.00	1421.67
Po	GT2000	GT26	1	13.75	6.39	27.77	846.74	48.60	895.34
Po	GT2000	GT26	2	13.75	6.29	27.33	817.55	47.83	865.38
Po	GT2000	GT26	4	13.75	6.32	27.46	823.28	48.05	871.34
Po	GT2000	GT26	5	13.75	6.25	27.16	858.77	47.53	906.30
Po	GT2000	GT26	8	13.75	6.34	27.54	869.37	48.19	917.56
Po	GT2000	other	1	13.75	6.39	27.77	846.74	48.60	895.34
Po	GT2000	other	2	13.75	6.29	27.33	817.55	47.83	865.38
Po	GT2000	other	4	13.75	6.32	27.46	823.28	48.05	871.34
Po	GT2000	other	5	13.75	6.25	27.16	858.77	47.53	906.30
Po	GT2000	other	8	13.75	6.34	27.54	869.37	48.19	917.56
Pu	1500-1700	0-8	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	1500-1700	0-8	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	1500-1700	0-8	5	18.00	14.07	64.71	1137.03	70.00	1207.03
Pu	1500-1700	0-8	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	1500-1700	0-8	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	1500-1700	16-26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	1500-1700	16-26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	1500-1700	16-26	5	13.75	5.66	24.63	779.08	43.10	822.18

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
Pu	1500-1700	16-26	8	13.75	5.68	24.69	782.34	43.20	825.54
Pu	1500-1700	8-16	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	1500-1700	8-16	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	1500-1700	8-16	5	18.00	14.07	64.71	1137.03	70.00	1207.03
Pu	1500-1700	8-16	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	1500-1700	8-16	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	1500-1700	GT26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	1500-1700	GT26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	1500-1700	GT26	5	13.75	5.66	24.63	779.08	43.10	822.18
Pu	1500-1700	GT26	8	13.75	5.68	24.69	782.34	43.20	825.54
Pu	1700-2000	0-8	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	1700-2000	0-8	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	1700-2000	0-8	5	18.00	14.07	64.71	1137.03	70.00	1207.03
Pu	1700-2000	0-8	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	1700-2000	0-8	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	1700-2000	16-26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	1700-2000	16-26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	1700-2000	16-26	5	13.75	5.66	24.63	779.08	43.10	822.18
Pu	1700-2000	16-26	8	13.75	5.68	24.69	782.34	43.20	825.54
Pu	1700-2000	8-16	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	1700-2000	8-16	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	1700-2000	8-16	5	18.00	14.07	64.71	1137.03	70.00	1207.03
Pu	1700-2000	8-16	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	1700-2000	8-16	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	1700-2000	GT26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	1700-2000	GT26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	1700-2000	GT26	5	13.75	5.66	24.63	779.08	43.10	822.18
Pu	1700-2000	GT26	8	13.75	5.68	24.69	782.34	43.20	825.54
Pu	LT1500	0-8	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	LT1500	0-8	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	LT1500	0-8	5	18.00	14.07	64.71	1137.03	70.00	1207.03
Pu	LT1500	0-8	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	LT1500	0-8	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	LT1500	16-26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	LT1500	16-26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	LT1500	16-26	5	13.75	5.66	24.63	779.08	43.10	822.18
Pu	LT1500	16-26	8	13.75	5.68	24.69	782.34	43.20	825.54
Pu	LT1500	8-16	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	LT1500	8-16	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	LT1500	8-16	5	18.00	14.07	64.71	1137.03	70.00	1207.03
Pu	LT1500	8-16	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	LT1500	8-16	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	LT1500	GT26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	LT1500	GT26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	LT1500	GT26	5	13.75	5.66	24.63	779.08	43.10	822.18
Pu	LT1500	GT26	8	13.75	5.68	24.69	782.34	43.20	825.54
Pu	GT2000	0-8	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	GT2000	0-8	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	GT2000	0-8	5	18.00	14.07	64.71	1137.03	70.00	1207.03

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
Pu	GT2000	0-8	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	GT2000	0-8	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	GT2000	16-26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	GT2000	16-26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	GT2000	16-26	5	13.75	5.66	24.63	779.08	43.10	822.18
Pu	GT2000	16-26	8	13.75	5.68	24.69	782.34	43.20	825.54
Pu	GT2000	8-16	1	18.00	14.37	66.06	1086.59	70.00	1156.59
Pu	GT2000	8-16	4	18.00	14.40	66.22	1085.73	70.00	1155.73
Pu	GT2000	8-16	5	18.00	14.07	64.71	1137.03	70.00	1207.03
Pu	GT2000	8-16	6	18.00	14.21	65.35	1108.10	70.00	1178.10
Pu	GT2000	8-16	8	18.00	14.46	66.48	1123.85	70.00	1193.85
Pu	GT2000	GT26	1	13.75	5.74	24.93	742.40	43.63	786.03
Pu	GT2000	GT26	4	13.75	5.74	24.95	740.83	43.67	784.50
Pu	GT2000	GT26	5	13.75	5.66	24.63	779.08	43.10	822.18
Pu	GT2000	GT26	8	13.75	5.68	24.69	782.34	43.20	825.54
Re	1500-1700	0-8	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	1500-1700	0-8	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	1500-1700	0-8	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	1500-1700	0-8	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	1500-1700	0-8	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	1500-1700	16-26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	1500-1700	16-26	4	13.75	4.31	18.74	592.18	32.80	624.98
Re	1500-1700	16-26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	1500-1700	16-26	8	13.75	4.28	18.62	623.45	32.58	656.03
Re	1500-1700	8-16	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	1500-1700	8-16	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	1500-1700	8-16	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	1500-1700	8-16	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	1500-1700	8-16	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	1500-1700	GT26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	1500-1700	GT26	4	13.75	4.31	18.74	592.18	32.80	624.98
Re	1500-1700	GT26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	1500-1700	GT26	8	13.75	4.28	18.62	623.45	32.58	656.03
Re	1700-2000	0-8	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	1700-2000	0-8	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	1700-2000	0-8	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	1700-2000	0-8	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	1700-2000	0-8	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	1700-2000	16-26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	1700-2000	16-26	4	13.75	4.31	18.74	592.18	32.80	624.98
Re	1700-2000	16-26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	1700-2000	16-26	8	13.75	4.28	18.62	623.45	32.58	656.03
Re	1700-2000	8-16	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	1700-2000	8-16	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	1700-2000	8-16	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	1700-2000	8-16	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	1700-2000	8-16	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	1700-2000	GT26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	1700-2000	GT26	4	13.75	4.31	18.74	592.18	32.80	624.98

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
Re	1700-2000	GT26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	1700-2000	GT26	8	13.75	4.28	18.62	623.45	32.58	656.03
Re	LT1500	0-8	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	LT1500	0-8	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	LT1500	0-8	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	LT1500	0-8	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	LT1500	0-8	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	LT1500	16-26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	LT1500	16-26	4	13.75	4.31	18.74	592.18	32.80	624.98
Re	LT1500	16-26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	LT1500	16-26	8	13.75	4.28	18.62	623.45	32.58	656.03
Re	LT1500	8-16	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	LT1500	8-16	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	LT1500	8-16	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	LT1500	8-16	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	LT1500	8-16	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	LT1500	GT26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	LT1500	GT26	4	13.75	4.31	18.74	592.18	32.80	624.98
Re	LT1500	GT26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	LT1500	GT26	8	13.75	4.28	18.62	623.45	32.58	656.03
Re	GT2000	0-8	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	GT2000	0-8	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	GT2000	0-8	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	GT2000	0-8	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	GT2000	0-8	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	GT2000	16-26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	GT2000	16-26	4	13.75	4.31	18.74	592.18	32.80	624.98
Re	GT2000	16-26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	GT2000	16-26	8	13.75	4.28	18.62	623.45	32.58	656.03
Re	GT2000	8-16	1	18.00	9.03	41.51	762.29	70.00	832.29
Re	GT2000	8-16	4	18.00	9.04	41.55	760.67	70.00	830.67
Re	GT2000	8-16	5	18.00	8.98	41.30	789.01	70.00	859.01
Re	GT2000	8-16	6	18.00	8.87	40.77	748.27	70.00	818.27
Re	GT2000	8-16	8	18.00	8.88	40.85	748.56	70.00	818.56
Re	GT2000	GT26	1	13.75	4.29	18.67	592.37	32.67	625.04
Re	GT2000	GT26	4	13.75	4.31	18.74	592.18	32.80	624.98
Re	GT2000	GT26	5	13.75	4.24	18.44	619.58	32.27	651.85
Re	GT2000	GT26	8	13.75	4.28	18.62	623.45	32.58	656.03
Or	1500-1700	0-8	1	18.00	9.03	41.51	762.29	70.00	832.29
Or	1500-1700	0-8	4	18.00	9.04	41.55	760.67	70.00	830.67
Or	1500-1700	0-8	5	18.00	8.98	41.30	789.01	70.00	859.01
Or	1500-1700	0-8	6	18.00	8.87	40.77	748.27	70.00	818.27
Or	1500-1700	0-8	8	18.00	8.88	40.85	748.56	70.00	818.56
Or	1500-1700	16-26	1	13.75	4.29	18.67	592.37	32.67	625.04
Or	1500-1700	16-26	4	13.75	4.31	18.74	592.18	32.80	624.98
Or	1500-1700	16-26	5	13.75	4.24	18.44	619.58	32.27	651.85
Or	1500-1700	16-26	8	13.75	4.28	18.62	623.45	32.58	656.03
Or	1500-1700	8-16	1	18.00	9.03	41.51	762.29	70.00	832.29
Or	1500-1700	8-16	4	18.00	9.04	41.55	760.67	70.00	830.67

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
Or	1500-1700	8-16	5	18.00	8.98	41.30	789.01	70.00	859.01
Or	1500-1700	8-16	6	18.00	8.87	40.77	748.27	70.00	818.27
Or	1500-1700	8-16	8	18.00	8.88	40.85	748.56	70.00	818.56
Or	LT1500	0-8	1	18.00	9.03	41.51	762.29	70.00	832.29
Or	LT1500	0-8	4	18.00	9.04	41.55	760.67	70.00	830.67
Or	LT1500	0-8	5	18.00	8.98	41.30	789.01	70.00	859.01
Or	LT1500	0-8	6	18.00	8.87	40.77	748.27	70.00	818.27
Or	LT1500	0-8	8	18.00	8.88	40.85	748.56	70.00	818.56
Or	LT1500	16-26	1	13.75	4.29	18.67	592.37	32.67	625.04
Or	LT1500	16-26	4	13.75	4.31	18.74	592.18	32.80	624.98
Or	LT1500	16-26	5	13.75	4.24	18.44	619.58	32.27	651.85
Or	LT1500	16-26	8	13.75	4.28	18.62	623.45	32.58	656.03
Or	LT1500	8-16	1	13.75	4.29	18.67	592.37	32.67	625.04
Or	LT1500	8-16	4	13.75	4.31	18.74	592.18	32.80	624.98
Or	LT1500	8-16	5	13.75	4.24	18.44	619.58	32.27	651.85
Or	LT1500	8-16	8	13.75	4.28	18.62	623.45	32.58	656.03
other	1500-1700	0-8	1	18.00	15.59	71.68	1215.56	70.00	1285.56
other	1500-1700	0-8	2	18.00	15.33	70.47	1185.58	70.00	1255.58
other	1500-1700	0-8	4	18.00	15.30	70.37	1185.33	70.00	1255.33
other	1500-1700	0-8	5	18.00	14.86	68.31	1245.13	70.00	1315.13
other	1500-1700	0-8	6	18.00	14.73	67.72	1203.20	70.00	1273.20
other	1500-1700	0-8	8	18.00	15.03	69.12	1224.42	70.00	1294.42
other	1500-1700	16-26	1	13.75	5.80	25.20	794.26	44.10	838.36
other	1500-1700	16-26	4	13.75	5.82	25.30	795.92	44.29	840.21
other	1500-1700	16-26	5	13.75	5.78	25.12	839.75	43.95	883.70
other	1500-1700	16-26	8	13.75	5.81	25.27	844.31	44.22	888.52
other	1500-1700	8-16	1	18.00	15.59	71.68	1215.56	70.00	1285.56
other	1500-1700	8-16	2	18.00	15.33	70.47	1185.58	70.00	1255.58
other	1500-1700	8-16	4	18.00	15.30	70.37	1185.33	70.00	1255.33
other	1500-1700	8-16	5	18.00	14.86	68.31	1245.13	70.00	1315.13
other	1500-1700	8-16	6	18.00	14.73	67.72	1203.20	70.00	1273.20
other	1500-1700	8-16	8	18.00	15.03	69.12	1224.42	70.00	1294.42
other	1500-1700	GT26	1	13.75	5.80	25.20	794.26	44.10	838.36
other	1500-1700	GT26	4	13.75	5.82	25.30	795.92	44.29	840.21
other	1500-1700	GT26	5	13.75	5.78	25.12	839.75	43.95	883.70
other	1500-1700	GT26	8	13.75	5.81	25.27	844.31	44.22	888.52
other	1700-2000	0-8	1	18.00	15.59	71.68	1215.56	70.00	1285.56
other	1700-2000	0-8	2	18.00	15.33	70.47	1185.58	70.00	1255.58
other	1700-2000	0-8	4	18.00	15.30	70.37	1185.33	70.00	1255.33
other	1700-2000	0-8	5	18.00	14.86	68.31	1245.13	70.00	1315.13
other	1700-2000	0-8	6	18.00	14.73	67.72	1203.20	70.00	1273.20
other	1700-2000	0-8	8	18.00	15.03	69.12	1224.42	70.00	1294.42
other	1700-2000	16-26	1	13.75	5.80	25.20	794.26	44.10	838.36
other	1700-2000	16-26	4	13.75	5.82	25.30	795.92	44.29	840.21
other	1700-2000	16-26	5	13.75	5.78	25.12	839.75	43.95	883.70
other	1700-2000	16-26	8	13.75	5.81	25.27	844.31	44.22	888.52
other	1700-2000	8-16	1	18.00	15.59	71.68	1215.56	70.00	1285.56
other	1700-2000	8-16	2	18.00	15.33	70.47	1185.58	70.00	1255.58
other	1700-2000	8-16	4	18.00	15.30	70.37	1185.33	70.00	1255.33

soil	rain	slope	mosd	esi	esal	esr	ettfwe	edd	et
other	1700-2000	8-16	5	18.00	14.86	68.31	1245.13	70.00	1315.13
other	1700-2000	8-16	6	18.00	14.73	67.72	1203.20	70.00	1273.20
other	1700-2000	8-16	8	18.00	15.03	69.12	1224.42	70.00	1294.42
other	1700-2000	GT26	1	13.75	5.80	25.20	794.26	44.10	838.36
other	1700-2000	GT26	4	13.75	5.82	25.30	795.92	44.29	840.21
other	1700-2000	GT26	5	13.75	5.78	25.12	839.75	43.95	883.70
other	1700-2000	GT26	8	13.75	5.81	25.27	844.31	44.22	888.52
other	LT1500	0-8	1	18.00	15.59	71.68	1215.56	70.00	1285.56
other	LT1500	0-8	2	18.00	15.33	70.47	1185.58	70.00	1255.58
other	LT1500	0-8	4	18.00	15.30	70.37	1185.33	70.00	1255.33
other	LT1500	0-8	5	18.00	14.86	68.31	1245.13	70.00	1315.13
other	LT1500	0-8	6	18.00	14.73	67.72	1203.20	70.00	1273.20
other	LT1500	0-8	8	18.00	15.03	69.12	1224.42	70.00	1294.42
other	GT2000	0-8	1	18.00	16.48	75.76	1364.44	70.00	1434.44
other	GT2000	0-8	2	18.00	16.30	74.93	1341.51	70.00	1411.51
other	GT2000	0-8	4	18.00	16.35	75.18	1346.62	70.00	1416.62
other	GT2000	0-8	5	18.00	15.78	72.54	1401.32	70.00	1471.32
other	GT2000	0-8	6	18.00	15.78	72.54	1351.60	70.00	1421.60
other	GT2000	0-8	8	18.00	15.81	72.69	1351.67	70.00	1421.67
other	GT2000	16-26	1	13.75	6.39	27.77	846.74	48.60	895.34
other	GT2000	16-26	2	13.75	6.29	27.33	817.55	47.83	865.38
other	GT2000	16-26	4	13.75	6.32	27.46	823.28	48.05	871.34
other	GT2000	16-26	5	13.75	6.25	27.16	858.77	47.53	906.30
other	GT2000	16-26	8	13.75	6.34	27.54	869.37	48.19	917.56
other	GT2000	8-16	1	18.00	16.48	75.76	1364.44	70.00	1434.44
other	GT2000	8-16	2	18.00	16.30	74.93	1341.51	70.00	1411.51
other	GT2000	8-16	4	18.00	16.35	75.18	1346.62	70.00	1416.62
other	GT2000	8-16	5	18.00	15.78	72.54	1401.32	70.00	1471.32
other	GT2000	8-16	6	18.00	15.78	72.54	1351.60	70.00	1421.60
other	GT2000	8-16	8	18.00	15.81	72.69	1351.67	70.00	1421.67

Appendix 4: Dairy support information

	Information	Description
fa	ha	total area
fe	ha	effective area
op420	\$	operating profit with average beef price of \$4.20/kg cwt
op375	\$	operating profit with average beef price of \$3.75/kg cwt
nl	kg N/ha	annual N loss to water per total area
pl	kg P/ha	annual P loss to water per total area
sr	SU/ha	stocking rate
psh	%	sheep stocking rate
srsh	SSU/ha	sheep stocking rate
pca	%	sheep stocking rate
srca	CSU/ha	cattle stocking rate
go	no. head	number of cows wintered on farm
srGo	head/ha	number of cows wintered on farm/ha
r1	no. head	number of heifer calves grazed on farm (Dec - April)
r2	no. head	number of yearling heifers grazed on farm (May - April)
nft	kg N/ha	nitrogen fertiliser
nfp	kg N/ha	nitrogen fertiliser
su	t DM/ha	supplement eaten
wp	kg greasy wool/ha	wool production
sp	kg sheep cwt/ha	sheep meat production
bp	kg beef cwt/ha	beef meat production
la	FTE	labour

soil	rain	slope	mods	fa	fe	op420	op375
Al	1500-1700	0-8	1	38	38	709	709
Al	1500-1700	0-8	2	38	38	745	745
Al	1500-1700	0-8	5	38	38	795	795
Al	1500-1700	0-8	6	38	38	467	467
Al	1500-1700	8-16	1	38	38	709	709
Al	1500-1700	8-16	2	38	38	745	745
Al	1500-1700	8-16	5	38	38	795	795
Al	1500-1700	8-16	6	38	38	467	467
Al	1500-1700	16-26	1	38	38	518	518
Al	1500-1700	16-26	2	38	38	536	536
Al	1500-1700	GT26	1	38	38	518	518
Al	1500-1700	GT26	2	38	38	536	536
Al	1700-2000	0-8	1	38	38	709	709
Al	1700-2000	0-8	2	38	38	745	745
Al	1700-2000	0-8	5	38	38	795	795
Al	1700-2000	0-8	6	38	38	467	467
Al	1700-2000	8-16	1	38	38	709	709
Al	1700-2000	8-16	2	38	38	745	745
Al	1700-2000	8-16	5	38	38	795	795
Al	1700-2000	8-16	6	38	38	467	467
Al	1700-2000	16-26	1	38	38	518	518
Al	1700-2000	16-26	2	38	38	536	536
Al	1700-2000	GT26	1	38	38	518	518
Al	1700-2000	GT26	2	38	38	536	536
Al	GT2000	0-8	1	38	38	709	709
Al	GT2000	0-8	2	38	38	745	745
Al	GT2000	0-8	5	38	38	795	795
Al	GT2000	0-8	6	38	38	467	467
Al	GT2000	8-16	1	38	38	709	709
Al	GT2000	8-16	2	38	38	745	745
Al	GT2000	8-16	5	38	38	795	795
Al	GT2000	8-16	6	38	38	467	467
Al	GT2000	16-26	1	38	38	518	518
Al	GT2000	16-26	2	38	38	536	536
Al	GT2000	GT26	1	38	38	518	518
Al	GT2000	GT26	2	38	38	536	536
Po	1500-1700	0-8	1	38	38	813	813
Po	1500-1700	0-8	2	38	38	793	793
Po	1500-1700	0-8	5	38	38	815	815
Po	1500-1700	0-8	6	38	38	436	436
Po	1500-1700	8-16	1	38	38	813	813
Po	1500-1700	8-16	2	38	38	793	793
Po	1500-1700	8-16	5	38	38	815	815
Po	1500-1700	8-16	6	38	38	436	436
Po	1500-1700	16-26	1	38	38	341	341
Po	1500-1700	16-26	2	38	38	354	354
Po	1500-1700	GT26	1	38	38	341	341
Po	1500-1700	GT26	2	38	38	354	354
Po	1700-2000	0-8	1	38	38	813	813

soil	rain	slope	mods	fa	fe	op420	op375
Po	1700-2000	0-8	2	38	38	793	793
Po	1700-2000	0-8	5	38	38	815	815
Po	1700-2000	0-8	6	38	38	436	436
Po	1700-2000	8-16	1	38	38	813	813
Po	1700-2000	8-16	2	38	38	793	793
Po	1700-2000	8-16	5	38	38	815	815
Po	1700-2000	8-16	6	38	38	436	436
Po	1700-2000	16-26	1	38	38	341	341
Po	1700-2000	16-26	2	38	38	354	354
Po	1700-2000	GT26	1	38	38	341	341
Po	1700-2000	GT26	2	38	38	354	354
Po	GT2000	0-8	1	38	38	395	395
Po	GT2000	0-8	2	38	38	329	329
Po	GT2000	8-16	1	38	38	395	395
Po	GT2000	8-16	2	38	38	329	329
Po	GT2000	16-26	1	38	38	401	401
Po	GT2000	16-26	2	38	38	375	375
Po	GT2000	GT26	1	38	38	401	401
Po	GT2000	GT26	2	38	38	375	375
Pu	1500-1700	0-8	1	38	38	803	803
Pu	1500-1700	0-8	2	38	38	852	852
Pu	1500-1700	0-8	5	38	38	895	895
Pu	1500-1700	0-8	6	38	38	764	764
Pu	1500-1700	8-16	1	38	38	803	803
Pu	1500-1700	8-16	2	38	38	852	852
Pu	1500-1700	8-16	5	38	38	895	895
Pu	1500-1700	8-16	6	38	38	764	764
Pu	1500-1700	16-26	1	38	38	446	446
Pu	1500-1700	16-26	2	38	38	442	442
Pu	1500-1700	GT26	1	38	38	446	446
Pu	1500-1700	GT26	2	38	38	442	442
Pu	1700-2000	0-8	1	38	38	803	803
Pu	1700-2000	0-8	2	38	38	852	852
Pu	1700-2000	0-8	5	38	38	895	895
Pu	1700-2000	0-8	6	38	38	764	764
Pu	1700-2000	8-16	1	38	38	803	803
Pu	1700-2000	8-16	2	38	38	852	852
Pu	1700-2000	8-16	5	38	38	895	895
Pu	1700-2000	8-16	6	38	38	764	764
Pu	1700-2000	16-26	1	38	38	446	446
Pu	1700-2000	16-26	2	38	38	442	442
Pu	1700-2000	GT26	1	38	38	446	446
Pu	1700-2000	GT26	2	38	38	442	442
Pu	LT1500	0-8	1	38	38	803	803
Pu	LT1500	0-8	2	38	38	852	852
Pu	LT1500	0-8	5	38	38	895	895
Pu	LT1500	0-8	6	38	38	764	764
Pu	LT1500	8-16	1	38	38	803	803
Pu	LT1500	8-16	2	38	38	852	852

soil	rain	slope	mods	fa	fe	op420	op375
Pu	LT1500	8-16	5	38	38	895	895
Pu	LT1500	8-16	6	38	38	764	764
Pu	GT2000	0-8	1	38	38	803	803
Pu	GT2000	0-8	2	38	38	852	852
Pu	GT2000	0-8	5	38	38	895	895
Pu	GT2000	0-8	6	38	38	764	764
Pu	GT2000	8-16	1	38	38	803	803
Pu	GT2000	8-16	2	38	38	852	852
Pu	GT2000	8-16	5	38	38	895	895
Pu	GT2000	8-16	6	38	38	764	764
Pu	GT2000	16-26	1	38	38	446	446
Pu	GT2000	16-26	2	38	38	442	442
Pu	GT2000	GT26	1	38	38	446	446
Pu	GT2000	GT26	2	38	38	442	442
Re	1500-1700	0-8	1	38	38	242	242
Re	1500-1700	0-8	2	38	38	305	305
Re	1500-1700	0-8	6	38	38	-157	-157
Re	1500-1700	8-16	1	38	38	113	113
Re	1500-1700	8-16	2	38	38	116	116
Re	1500-1700	16-26	1	38	38	113	113
Re	1500-1700	16-26	2	38	38	116	116
Re	1500-1700	GT26	1	38	38	113	113
Re	1500-1700	GT26	2	38	38	116	116
Re	LT1500	0-8	1	38	38	242	242
Re	LT1500	0-8	2	38	38	305	305
Re	LT1500	0-8	6	38	38	-157	-157
Re	LT1500	8-16	1	38	38	113	113
Re	LT1500	8-16	2	38	38	116	116
Re	LT1500	16-26	1	38	38	113	113
Re	LT1500	16-26	2	38	38	116	116
other	1500-1700	0-8	1	38	38	813	813
other	1500-1700	0-8	2	38	38	793	793
other	1500-1700	0-8	5	38	38	815	815
other	1500-1700	0-8	6	38	38	436	436
other	1700-2000	0-8	1	38	38	813	813
other	1700-2000	0-8	2	38	38	793	793
other	1700-2000	0-8	5	38	38	815	815
other	1700-2000	0-8	6	38	38	436	436
other	1700-2000	8-16	1	38	38	813	813
other	1700-2000	8-16	2	38	38	793	793
other	1700-2000	8-16	5	38	38	815	815
other	1700-2000	8-16	6	38	38	436	436
other	LT1500	0-8	1	38	38	813	813
other	LT1500	0-8	2	38	38	793	793
other	LT1500	0-8	5	38	38	815	815
other	LT1500	0-8	6	38	38	436	436
other	GT2000	0-8	1	38	38	395	395
other	GT2000	0-8	2	38	38	329	329
other	GT2000	8-16	1	38	38	395	395

soil	rain	slope	mods	fa	fe	op420	op375
other	GT2000	8-16	2	38	38	329	329
other	GT2000	16-26	1	38	38	401	401
other	GT2000	16-26	2	38	38	375	375

soil	rain	slope	mods	nl	pl	sr	psh
Al	1500-1700	0-8	1	35	1.1	14.3	0
Al	1500-1700	0-8	2	20	1.1	13.3	0
Al	1500-1700	0-8	5	19	1.1	11.6	0
Al	1500-1700	0-8	6	12	1.1	8.3	0
Al	1500-1700	8-16	1	35	1.1	14.3	0
Al	1500-1700	8-16	2	20	1.1	13.3	0
Al	1500-1700	8-16	5	19	1.1	11.6	0
Al	1500-1700	8-16	6	12	1.1	8.3	0
Al	1500-1700	16-26	1	16	1	10.7	0
Al	1500-1700	16-26	2	15	1	10.7	0
Al	1500-1700	GT26	1	16	1	10.7	0
Al	1500-1700	GT26	2	15	1	10.7	0
Al	1700-2000	0-8	1	40	1.1	14.3	0
Al	1700-2000	0-8	2	22.85714	1.1	13.3	0
Al	1700-2000	0-8	5	21.71429	1.1	11.6	0
Al	1700-2000	0-8	6	13.71429	1.1	8.3	0
Al	1700-2000	8-16	1	40	1.1	14.3	0
Al	1700-2000	8-16	2	22.85714	1.1	13.3	0
Al	1700-2000	8-16	5	21.71429	1.1	11.6	0
Al	1700-2000	8-16	6	13.71429	1.1	8.3	0
Al	1700-2000	16-26	1	18	1	10.7	0
Al	1700-2000	16-26	2	16.875	1	10.7	0
Al	1700-2000	GT26	1	18	1	10.7	0
Al	1700-2000	GT26	2	16.875	1	10.7	0
Al	GT2000	0-8	1	49	1.1	14.3	0
Al	GT2000	0-8	2	28	1.1	13.3	0
Al	GT2000	0-8	5	26.6	1.1	11.6	0
Al	GT2000	0-8	6	16.8	1.1	8.3	0
Al	GT2000	8-16	1	49	1.1	14.3	0
Al	GT2000	8-16	2	28	1.1	13.3	0
Al	GT2000	8-16	5	26.6	1.1	11.6	0
Al	GT2000	8-16	6	16.8	1.1	8.3	0
Al	GT2000	16-26	1	22	1	10.7	0
Al	GT2000	16-26	2	20.625	1	10.7	0
Al	GT2000	GT26	1	22	1	10.7	0
Al	GT2000	GT26	2	20.625	1	10.7	0
Po	1500-1700	0-8	1	29	3.2	16.5	0
Po	1500-1700	0-8	2	22	3.2	15.6	0
Po	1500-1700	0-8	5	20	3.2	13.8	0
Po	1500-1700	0-8	6	18	3.2	15.7	0
Po	1500-1700	8-16	1	29	3.2	16.5	0
Po	1500-1700	8-16	2	22	3.2	15.6	0
Po	1500-1700	8-16	5	20	3.2	13.8	0
Po	1500-1700	8-16	6	18	3.2	15.7	0
Po	1500-1700	16-26	1	27	4.9	14.4	0
Po	1500-1700	16-26	2	14	4.8	12.3	0
Po	1500-1700	GT26	1	27	4.9	14.4	0
Po	1500-1700	GT26	2	14	4.8	12.3	0
Po	1700-2000	0-8	1	29	3.2	16.5	0

soil	rain	slope	mods	nl	pl	sr	psh
Po	1700-2000	0-8	2	22	3.2	15.6	0
Po	1700-2000	0-8	5	20	3.2	13.8	0
Po	1700-2000	0-8	6	18	3.2	15.7	0
Po	1700-2000	8-16	1	29	3.2	16.5	0
Po	1700-2000	8-16	2	22	3.2	15.6	0
Po	1700-2000	8-16	5	20	3.2	13.8	0
Po	1700-2000	8-16	6	18	3.2	15.7	0
Po	1700-2000	16-26	1	27	4.9	14.4	0
Po	1700-2000	16-26	2	14	4.8	12.3	0
Po	1700-2000	GT26	1	27	4.9	14.4	0
Po	1700-2000	GT26	2	14	4.8	12.3	0
Po	GT2000	0-8	1	37	3	18.7	0
Po	GT2000	0-8	2	30	3	18.7	0
Po	GT2000	8-16	1	37	3	18.7	0
Po	GT2000	8-16	2	30	3	18.7	0
Po	GT2000	16-26	1	29	4.8	14.4	0
Po	GT2000	16-26	2	19	4.8	12.7	0
Po	GT2000	GT26	1	29	4.8	14.4	0
Po	GT2000	GT26	2	19	4.8	12.7	0
Pu	1500-1700	0-8	1	44	3.1	15.2	0
Pu	1500-1700	0-8	2	28.73469	3.1	14.3	0
Pu	1500-1700	0-8	5	26.04082	3.1	12.3	0
Pu	1500-1700	0-8	6	17.95918	3	10.7	0
Pu	1500-1700	8-16	1	44	3.1	15.2	0
Pu	1500-1700	8-16	2	28.73469	3.1	14.3	0
Pu	1500-1700	8-16	5	26.04082	3.1	12.3	0
Pu	1500-1700	8-16	6	17.95918	3	10.7	0
Pu	1500-1700	16-26	1	30	2.2	10.7	0
Pu	1500-1700	16-26	2	28.57143	2.2	10.4	0
Pu	1500-1700	GT26	1	30	2.2	10.7	0
Pu	1500-1700	GT26	2	28.57143	2.2	10.4	0
Pu	1700-2000	0-8	1	49	3.1	15.2	0
Pu	1700-2000	0-8	2	32	3.1	14.3	0
Pu	1700-2000	0-8	5	29	3.1	12.3	0
Pu	1700-2000	0-8	6	20	3	10.7	0
Pu	1700-2000	8-16	1	49	3.1	15.2	0
Pu	1700-2000	8-16	2	32	3.1	14.3	0
Pu	1700-2000	8-16	5	29	3.1	12.3	0
Pu	1700-2000	8-16	6	20	3	10.7	0
Pu	1700-2000	16-26	1	33	2.2	10.7	0
Pu	1700-2000	16-26	2	31.42857	2.2	10.4	0
Pu	1700-2000	GT26	1	33	2.2	10.7	0
Pu	1700-2000	GT26	2	31.42857	2.2	10.4	0
Pu	LT1500	0-8	1	38	3.1	15.2	0
Pu	LT1500	0-8	2	24.81633	3.1	14.3	0
Pu	LT1500	0-8	5	22.4898	3.1	12.3	0
Pu	LT1500	0-8	6	15.5102	3	10.7	0
Pu	LT1500	8-16	1	38	3.1	15.2	0
Pu	LT1500	8-16	2	24.81633	3.1	14.3	0

soil	rain	slope	mods	nl	pl	sr	psh
Pu	LT1500	8-16	5	22.4898	3.1	12.3	0
Pu	LT1500	8-16	6	15.5102	3	10.7	0
Pu	GT2000	0-8	1	49	3.1	15.2	0
Pu	GT2000	0-8	2	32	3.1	14.3	0
Pu	GT2000	0-8	5	29	3.1	12.3	0
Pu	GT2000	0-8	6	20	3	10.7	0
Pu	GT2000	8-16	1	49	3.1	15.2	0
Pu	GT2000	8-16	2	32	3.1	14.3	0
Pu	GT2000	8-16	5	29	3.1	12.3	0
Pu	GT2000	8-16	6	20	3	10.7	0
Pu	GT2000	16-26	1	35	2.2	10.7	0
Pu	GT2000	16-26	2	33.33333	2.2	10.4	0
Pu	GT2000	GT26	1	35	2.2	10.7	0
Pu	GT2000	GT26	2	33.33333	2.2	10.4	0
Re	1500-1700	0-8	1	38	2.5	12	0
Re	1500-1700	0-8	2	19	2.5	10.8	0
Re	1500-1700	0-8	6	13.41176	2.5	9.3	0
Re	1500-1700	8-16	1	38	3.7	9	0
Re	1500-1700	8-16	2	34.83333	3.7	8.7	0
Re	1500-1700	16-26	1	13	3.7	9	0
Re	1500-1700	16-26	2	11.91667	3.7	8.7	0
Re	1500-1700	GT26	1	13	3.7	9	0
Re	1500-1700	GT26	2	11.91667	3.7	8.7	0
Re	LT1500	0-8	1	34	2.5	12	0
Re	LT1500	0-8	2	17	2.5	10.8	0
Re	LT1500	0-8	6	12	2.5	9.3	0
Re	LT1500	8-16	1	12	3.7	9	0
Re	LT1500	8-16	2	11	3.7	8.7	0
Re	LT1500	16-26	1	12	3.7	9	0
Re	LT1500	16-26	2	11	3.7	8.7	0
other	1500-1700	0-8	1	29	3.2	16.5	0
other	1500-1700	0-8	2	22	3.2	15.6	0
other	1500-1700	0-8	5	20	3.2	13.8	0
other	1500-1700	0-8	6	18	3.2	15.7	0
other	1700-2000	0-8	1	29	3.2	16.5	0
other	1700-2000	0-8	2	22	3.2	15.6	0
other	1700-2000	0-8	5	20	3.2	13.8	0
other	1700-2000	0-8	6	18	3.2	15.7	0
other	1700-2000	8-16	1	29	3.2	16.5	0
other	1700-2000	8-16	2	22	3.2	15.6	0
other	1700-2000	8-16	5	20	3.2	13.8	0
other	1700-2000	8-16	6	18	3.2	15.7	0
other	LT1500	0-8	1	22	3.2	16.5	0
other	LT1500	0-8	2	16.68966	3.2	15.6	0
other	LT1500	0-8	5	15.17241	3.2	13.8	0
other	LT1500	0-8	6	13.65517	3.2	15.7	0
other	GT2000	0-8	1	37	3	18.7	0
other	GT2000	0-8	2	30	3	18.7	0
other	GT2000	8-16	1	37	3	18.7	0

soil	rain	slope	mods	nl	pl	sr	psh
other	GT2000	8-16	2	30	3	18.7	0
other	GT2000	16-26	1	29	4.8	14.4	0
other	GT2000	16-26	2	19	4.8	12.7	0

soil	rain	slope	mods	srsb	pca	srca	go
Al	1500-1700	0-8	1	0	100	14.3	245
Al	1500-1700	0-8	2	0	100	13.3	240
Al	1500-1700	0-8	5	0	100	11.6	240
Al	1500-1700	0-8	6	0	100	8.3	0
Al	1500-1700	8-16	1	0	100	14.3	245
Al	1500-1700	8-16	2	0	100	13.3	240
Al	1500-1700	8-16	5	0	100	11.6	240
Al	1500-1700	8-16	6	0	100	8.3	0
Al	1500-1700	16-26	1	0	100	10.7	25
Al	1500-1700	16-26	2	0	100	10.7	25
Al	1500-1700	GT26	1	0	100	10.7	25
Al	1500-1700	GT26	2	0	100	10.7	25
Al	1700-2000	0-8	1	0	100	14.3	245
Al	1700-2000	0-8	2	0	100	13.3	240
Al	1700-2000	0-8	5	0	100	11.6	240
Al	1700-2000	0-8	6	0	100	8.3	0
Al	1700-2000	8-16	1	0	100	14.3	245
Al	1700-2000	8-16	2	0	100	13.3	240
Al	1700-2000	8-16	5	0	100	11.6	240
Al	1700-2000	8-16	6	0	100	8.3	0
Al	1700-2000	16-26	1	0	100	10.7	25
Al	1700-2000	16-26	2	0	100	10.7	25
Al	1700-2000	GT26	1	0	100	10.7	25
Al	1700-2000	GT26	2	0	100	10.7	25
Al	GT2000	0-8	1	0	100	14.3	245
Al	GT2000	0-8	2	0	100	13.3	240
Al	GT2000	0-8	5	0	100	11.6	240
Al	GT2000	0-8	6	0	100	8.3	0
Al	GT2000	8-16	1	0	100	14.3	245
Al	GT2000	8-16	2	0	100	13.3	240
Al	GT2000	8-16	5	0	100	11.6	240
Al	GT2000	8-16	6	0	100	8.3	0
Al	GT2000	16-26	1	0	100	10.7	25
Al	GT2000	16-26	2	0	100	10.7	25
Al	GT2000	GT26	1	0	100	10.7	25
Al	GT2000	GT26	2	0	100	10.7	25
Po	1500-1700	0-8	1	0	100	16.5	210
Po	1500-1700	0-8	2	0	100	15.6	205
Po	1500-1700	0-8	5	0	100	13.8	205
Po	1500-1700	0-8	6	0	100	15.7	0
Po	1500-1700	8-16	1	0	100	16.5	210
Po	1500-1700	8-16	2	0	100	15.6	205
Po	1500-1700	8-16	5	0	100	13.8	205
Po	1500-1700	8-16	6	0	100	15.7	0
Po	1500-1700	16-26	1	0	100	14.4	0
Po	1500-1700	16-26	2	0	100	12.3	0
Po	1500-1700	GT26	1	0	100	14.4	0
Po	1500-1700	GT26	2	0	100	12.3	0
Po	1700-2000	0-8	1	0	100	16.5	210

soil	rain	slope	mods	srs	pca	srca	go
Po	1700-2000	0-8	2	0	100	15.6	205
Po	1700-2000	0-8	5	0	100	13.8	205
Po	1700-2000	0-8	6	0	100	15.7	0
Po	1700-2000	8-16	1	0	100	16.5	210
Po	1700-2000	8-16	2	0	100	15.6	205
Po	1700-2000	8-16	5	0	100	13.8	205
Po	1700-2000	8-16	6	0	100	15.7	0
Po	1700-2000	16-26	1	0	100	14.4	0
Po	1700-2000	16-26	2	0	100	12.3	0
Po	1700-2000	GT26	1	0	100	14.4	0
Po	1700-2000	GT26	2	0	100	12.3	0
Po	GT2000	0-8	1	0	100	18.7	0
Po	GT2000	0-8	2	0	100	18.7	0
Po	GT2000	8-16	1	0	100	18.7	0
Po	GT2000	8-16	2	0	100	18.7	0
Po	GT2000	16-26	1	0	100	14.4	0
Po	GT2000	16-26	2	0	100	12.7	0
Po	GT2000	GT26	1	0	100	14.4	0
Po	GT2000	GT26	2	0	100	12.7	0
Pu	1500-1700	0-8	1	0	100	15.2	250
Pu	1500-1700	0-8	2	0	100	14.3	245
Pu	1500-1700	0-8	5	0	100	12.3	245
Pu	1500-1700	0-8	6	0	100	10.7	0
Pu	1500-1700	8-16	1	0	100	15.2	250
Pu	1500-1700	8-16	2	0	100	14.3	245
Pu	1500-1700	8-16	5	0	100	12.3	245
Pu	1500-1700	8-16	6	0	100	10.7	0
Pu	1500-1700	16-26	1	0	100	10.7	25
Pu	1500-1700	16-26	2	0	100	10.4	24
Pu	1500-1700	GT26	1	0	100	10.7	25
Pu	1500-1700	GT26	2	0	100	10.4	24
Pu	1700-2000	0-8	1	0	100	15.2	250
Pu	1700-2000	0-8	2	0	100	14.3	245
Pu	1700-2000	0-8	5	0	100	12.3	245
Pu	1700-2000	0-8	6	0	100	10.7	0
Pu	1700-2000	8-16	1	0	100	15.2	250
Pu	1700-2000	8-16	2	0	100	14.3	245
Pu	1700-2000	8-16	5	0	100	12.3	245
Pu	1700-2000	8-16	6	0	100	10.7	0
Pu	1700-2000	16-26	1	0	100	10.7	25
Pu	1700-2000	16-26	2	0	100	10.4	24
Pu	1700-2000	GT26	1	0	100	10.7	25
Pu	1700-2000	GT26	2	0	100	10.4	24
Pu	LT1500	0-8	1	0	100	15.2	250
Pu	LT1500	0-8	2	0	100	14.3	245
Pu	LT1500	0-8	5	0	100	12.3	245
Pu	LT1500	0-8	6	0	100	10.7	0
Pu	LT1500	8-16	1	0	100	15.2	250
Pu	LT1500	8-16	2	0	100	14.3	245

soil	rain	slope	mods	srs	pca	srca	go
Pu	LT1500	8-16	5	0	100	12.3	245
Pu	LT1500	8-16	6	0	100	10.7	0
Pu	GT2000	0-8	1	0	100	15.2	250
Pu	GT2000	0-8	2	0	100	14.3	245
Pu	GT2000	0-8	5	0	100	12.3	245
Pu	GT2000	0-8	6	0	100	10.7	0
Pu	GT2000	8-16	1	0	100	15.2	250
Pu	GT2000	8-16	2	0	100	14.3	245
Pu	GT2000	8-16	5	0	100	12.3	245
Pu	GT2000	8-16	6	0	100	10.7	0
Pu	GT2000	16-26	1	0	100	10.7	25
Pu	GT2000	16-26	2	0	100	10.4	24
Pu	GT2000	GT26	1	0	100	10.7	25
Pu	GT2000	GT26	2	0	100	10.4	24
Re	1500-1700	0-8	1	0	100	12	240
Re	1500-1700	0-8	2	0	100	10.8	232
Re	1500-1700	0-8	6	0	100	9.3	0
Re	1500-1700	8-16	1	0	100	9	0
Re	1500-1700	8-16	2	0	100	8.7	0
Re	1500-1700	16-26	1	0	100	9	0
Re	1500-1700	16-26	2	0	100	8.7	0
Re	1500-1700	GT26	1	0	100	9	0
Re	1500-1700	GT26	2	0	100	8.7	0
Re	LT1500	0-8	1	0	100	12	240
Re	LT1500	0-8	2	0	100	10.8	232
Re	LT1500	0-8	6	0	100	9.3	0
Re	LT1500	8-16	1	0	100	9	0
Re	LT1500	8-16	2	0	100	8.7	0
Re	LT1500	16-26	1	0	100	9	0
Re	LT1500	16-26	2	0	100	8.7	0
other	1500-1700	0-8	1	0	100	16.5	210
other	1500-1700	0-8	2	0	100	15.6	205
other	1500-1700	0-8	5	0	100	13.8	205
other	1500-1700	0-8	6	0	100	15.7	0
other	1700-2000	0-8	1	0	100	16.5	210
other	1700-2000	0-8	2	0	100	15.6	205
other	1700-2000	0-8	5	0	100	13.8	205
other	1700-2000	0-8	6	0	100	15.7	0
other	1700-2000	8-16	1	0	100	16.5	210
other	1700-2000	8-16	2	0	100	15.6	205
other	1700-2000	8-16	5	0	100	13.8	205
other	1700-2000	8-16	6	0	100	15.7	0
other	LT1500	0-8	1	0	100	16.5	210
other	LT1500	0-8	2	0	100	15.6	205
other	LT1500	0-8	5	0	100	13.8	205
other	LT1500	0-8	6	0	100	15.7	0
other	GT2000	0-8	1	0	100	18.7	0
other	GT2000	0-8	2	0	100	18.7	0
other	GT2000	8-16	1	0	100	18.7	0

soil	rain	slope	mods	srsh	pca	srca	go
other	GT2000	8-16	2	0	100	18.7	0
other	GT2000	16-26	1	0	100	14.4	0
other	GT2000	16-26	2	0	100	12.7	0

soil	rain	slope	mods	srGo	r1	r2	nft
Al	1500-1700	0-8	1	6.447368	55	55	108
Al	1500-1700	0-8	2	6.315789	50	50	48
Al	1500-1700	0-8	5	6.315789	0	50	48
Al	1500-1700	0-8	6	0	70	70	48
Al	1500-1700	8-16	1	6.447368	55	55	108
Al	1500-1700	8-16	2	6.315789	50	50	48
Al	1500-1700	8-16	5	6.315789	0	50	48
Al	1500-1700	8-16	6	0	70	70	48
Al	1500-1700	16-26	1	0.657895	66	66	17
Al	1500-1700	16-26	2	0.657895	66	66	7
Al	1500-1700	GT26	1	0.657895	66	66	17
Al	1500-1700	GT26	2	0.657895	66	66	7
Al	1700-2000	0-8	1	6.447368	55	55	108
Al	1700-2000	0-8	2	6.315789	50	50	48
Al	1700-2000	0-8	5	6.315789	0	50	48
Al	1700-2000	0-8	6	0	70	70	48
Al	1700-2000	8-16	1	6.447368	55	55	108
Al	1700-2000	8-16	2	6.315789	50	50	48
Al	1700-2000	8-16	5	6.315789	0	50	48
Al	1700-2000	8-16	6	0	70	70	48
Al	1700-2000	16-26	1	0.657895	66	66	17
Al	1700-2000	16-26	2	0.657895	66	66	7
Al	1700-2000	GT26	1	0.657895	66	66	17
Al	1700-2000	GT26	2	0.657895	66	66	7
Al	GT2000	0-8	1	6.447368	55	55	108
Al	GT2000	0-8	2	6.315789	50	50	48
Al	GT2000	0-8	5	6.315789	0	50	48
Al	GT2000	0-8	6	0	70	70	48
Al	GT2000	8-16	1	6.447368	55	55	108
Al	GT2000	8-16	2	6.315789	50	50	48
Al	GT2000	8-16	5	6.315789	0	50	48
Al	GT2000	8-16	6	0	70	70	48
Al	GT2000	16-26	1	0.657895	66	66	17
Al	GT2000	16-26	2	0.657895	66	66	7
Al	GT2000	GT26	1	0.657895	66	66	17
Al	GT2000	GT26	2	0.657895	66	66	7
Po	1500-1700	0-8	1	5.526316	85	85	71
Po	1500-1700	0-8	2	5.394737	80	80	41
Po	1500-1700	0-8	5	5.394737	0	80	41
Po	1500-1700	0-8	6	0	0	129	0
Po	1500-1700	8-16	1	5.526316	85	85	71
Po	1500-1700	8-16	2	5.394737	80	80	41
Po	1500-1700	8-16	5	5.394737	0	80	41
Po	1500-1700	8-16	6	0	0	129	0
Po	1500-1700	16-26	1	0	100	100	99
Po	1500-1700	16-26	2	0	82	82	7
Po	1500-1700	GT26	1	0	100	100	99
Po	1500-1700	GT26	2	0	82	82	7
Po	1700-2000	0-8	1	5.526316	85	85	71

soil	rain	slope	mods	srGo	r1	r2	nft
Po	1700-2000	0-8	2	5.394737	80	80	41
Po	1700-2000	0-8	5	5.394737	0	80	41
Po	1700-2000	0-8	6	0	0	129	0
Po	1700-2000	8-16	1	5.526316	85	85	71
Po	1700-2000	8-16	2	5.394737	80	80	41
Po	1700-2000	8-16	5	5.394737	0	80	41
Po	1700-2000	8-16	6	0	0	129	0
Po	1700-2000	16-26	1	0	100	100	99
Po	1700-2000	16-26	2	0	82	82	7
Po	1700-2000	GT26	1	0	100	100	99
Po	1700-2000	GT26	2	0	82	82	7
Po	GT2000	0-8	1	0	0	151	89
Po	GT2000	0-8	2	0	0	151	49
Po	GT2000	8-16	1	0	0	151	89
Po	GT2000	8-16	2	0	0	151	49
Po	GT2000	16-26	1	0	100	100	53
Po	GT2000	16-26	2	0	88	88	7
Po	GT2000	GT26	1	0	100	100	53
Po	GT2000	GT26	2	0	88	88	7
Pu	1500-1700	0-8	1	6.578947	60	60	125
Pu	1500-1700	0-8	2	6.447368	55	55	63
Pu	1500-1700	0-8	5	6.447368	0	55	63
Pu	1500-1700	0-8	6	0	0	90	0
Pu	1500-1700	8-16	1	6.578947	60	60	125
Pu	1500-1700	8-16	2	6.447368	55	55	63
Pu	1500-1700	8-16	5	6.447368	0	55	63
Pu	1500-1700	8-16	6	0	0	90	0
Pu	1500-1700	16-26	1	0.657895	66	66	17
Pu	1500-1700	16-26	2	0.631579	64	64	7
Pu	1500-1700	GT26	1	0.657895	66	66	17
Pu	1500-1700	GT26	2	0.631579	64	64	7
Pu	1700-2000	0-8	1	6.578947	60	60	125
Pu	1700-2000	0-8	2	6.447368	55	55	63
Pu	1700-2000	0-8	5	6.447368	0	55	63
Pu	1700-2000	0-8	6	0	0	90	0
Pu	1700-2000	8-16	1	6.578947	60	60	125
Pu	1700-2000	8-16	2	6.447368	55	55	63
Pu	1700-2000	8-16	5	6.447368	0	55	63
Pu	1700-2000	8-16	6	0	0	90	0
Pu	1700-2000	16-26	1	0.657895	66	66	17
Pu	1700-2000	16-26	2	0.631579	64	64	7
Pu	1700-2000	GT26	1	0.657895	66	66	17
Pu	1700-2000	GT26	2	0.631579	64	64	7
Pu	LT1500	0-8	1	6.578947	60	60	125
Pu	LT1500	0-8	2	6.447368	55	55	63
Pu	LT1500	0-8	5	6.447368	0	55	63
Pu	LT1500	0-8	6	0	0	90	0
Pu	LT1500	8-16	1	6.578947	60	60	125
Pu	LT1500	8-16	2	6.447368	55	55	63

soil	rain	slope	mods	srGo	r1	r2	nft
Pu	LT1500	8-16	5	6.447368	0	55	63
Pu	LT1500	8-16	6	0	0	90	0
Pu	GT2000	0-8	1	6.578947	60	60	125
Pu	GT2000	0-8	2	6.447368	55	55	63
Pu	GT2000	0-8	5	6.447368	0	55	63
Pu	GT2000	0-8	6	0	0	90	0
Pu	GT2000	8-16	1	6.578947	60	60	125
Pu	GT2000	8-16	2	6.447368	55	55	63
Pu	GT2000	8-16	5	6.447368	0	55	63
Pu	GT2000	8-16	6	0	0	90	0
Pu	GT2000	16-26	1	0.657895	66	66	17
Pu	GT2000	16-26	2	0.631579	64	64	7
Pu	GT2000	GT26	1	0.657895	66	66	17
Pu	GT2000	GT26	2	0.631579	64	64	7
Re	1500-1700	0-8	1	6.315789	0	55	110
Re	1500-1700	0-8	2	6.105263	0	47	48
Re	1500-1700	0-8	6	0	0	68	0
Re	1500-1700	8-16	1	0	60	60	15
Re	1500-1700	8-16	2	0	58	58	5
Re	1500-1700	16-26	1	0	60	60	15
Re	1500-1700	16-26	2	0	58	58	5
Re	1500-1700	GT26	1	0	60	60	15
Re	1500-1700	GT26	2	0	58	58	5
Re	LT1500	0-8	1	6.315789	0	55	110
Re	LT1500	0-8	2	6.105263	0	47	48
Re	LT1500	0-8	6	0	0	68	0
Re	LT1500	8-16	1	0	60	60	15
Re	LT1500	8-16	2	0	58	58	5
Re	LT1500	16-26	1	0	60	60	15
Re	LT1500	16-26	2	0	58	58	5
other	1500-1700	0-8	1	5.526316	85	85	71
other	1500-1700	0-8	2	5.394737	80	80	41
other	1500-1700	0-8	5	5.394737	0	80	41
other	1500-1700	0-8	6	0	0	129	0
other	1700-2000	0-8	1	5.526316	85	85	71
other	1700-2000	0-8	2	5.394737	80	80	41
other	1700-2000	0-8	5	5.394737	0	80	41
other	1700-2000	0-8	6	0	0	129	0
other	1700-2000	8-16	1	5.526316	85	85	71
other	1700-2000	8-16	2	5.394737	80	80	41
other	1700-2000	8-16	5	5.394737	0	80	41
other	1700-2000	8-16	6	0	0	129	0
other	LT1500	0-8	1	5.526316	85	85	71
other	LT1500	0-8	2	5.394737	80	80	41
other	LT1500	0-8	5	5.394737	0	80	41
other	LT1500	0-8	6	0	0	129	0
other	GT2000	0-8	1	0	0	151	89
other	GT2000	0-8	2	0	0	151	49
other	GT2000	8-16	1	0	0	151	89

soil	rain	slope	mods	srGo	r1	r2	nft
other	GT2000	8-16	2	0	0	151	49
other	GT2000	16-26	1	0	100	100	53
other	GT2000	16-26	2	0	88	88	7

soil	rain	slope	mods	nfp	su	wp	sp
Al	1500-1700	0-8	1	60	2.3	0	0
Al	1500-1700	0-8	2	0	2.3	0	0
Al	1500-1700	0-8	5	0	2.3	0	0
Al	1500-1700	0-8	6	0	0	0	0
Al	1500-1700	8-16	1	60	2.3	0	0
Al	1500-1700	8-16	2	0	2.3	0	0
Al	1500-1700	8-16	5	0	2.3	0	0
Al	1500-1700	8-16	6	0	0	0	0
Al	1500-1700	16-26	1	10	0	0	0
Al	1500-1700	16-26	2	0	0	0	0
Al	1500-1700	GT26	1	10	0	0	0
Al	1500-1700	GT26	2	0	0	0	0
Al	1700-2000	0-8	1	60	2.3	0	0
Al	1700-2000	0-8	2	0	2.3	0	0
Al	1700-2000	0-8	5	0	2.3	0	0
Al	1700-2000	0-8	6	0	0	0	0
Al	1700-2000	8-16	1	60	2.3	0	0
Al	1700-2000	8-16	2	0	2.3	0	0
Al	1700-2000	8-16	5	0	2.3	0	0
Al	1700-2000	8-16	6	0	0	0	0
Al	1700-2000	16-26	1	10	0	0	0
Al	1700-2000	16-26	2	0	0	0	0
Al	1700-2000	GT26	1	10	0	0	0
Al	1700-2000	GT26	2	0	0	0	0
Al	GT2000	0-8	1	60	2.3	0	0
Al	GT2000	0-8	2	0	2.3	0	0
Al	GT2000	0-8	5	0	2.3	0	0
Al	GT2000	0-8	6	0	0	0	0
Al	GT2000	8-16	1	60	2.3	0	0
Al	GT2000	8-16	2	0	2.3	0	0
Al	GT2000	8-16	5	0	2.3	0	0
Al	GT2000	8-16	6	0	0	0	0
Al	GT2000	16-26	1	10	0	0	0
Al	GT2000	16-26	2	0	0	0	0
Al	GT2000	GT26	1	10	0	0	0
Al	GT2000	GT26	2	0	0	0	0
Po	1500-1700	0-8	1	30	2.1	0	0
Po	1500-1700	0-8	2	0	2.1	0	0
Po	1500-1700	0-8	5	0	2.1	0	0
Po	1500-1700	0-8	6	0	2.3	0	0
Po	1500-1700	8-16	1	30	2.1	0	0
Po	1500-1700	8-16	2	0	2.1	0	0
Po	1500-1700	8-16	5	0	2.1	0	0
Po	1500-1700	8-16	6	0	2.3	0	0
Po	1500-1700	16-26	1	92	0.4	0	0
Po	1500-1700	16-26	2	0	0.4	0	0
Po	1500-1700	GT26	1	92	0.4	0	0
Po	1500-1700	GT26	2	0	0.4	0	0
Po	1700-2000	0-8	1	30	2.1	0	0

soil	rain	slope	mods	nfp	su	wp	sp
Po	1700-2000	0-8	2	0	2.1	0	0
Po	1700-2000	0-8	5	0	2.1	0	0
Po	1700-2000	0-8	6	0	2.3	0	0
Po	1700-2000	8-16	1	30	2.1	0	0
Po	1700-2000	8-16	2	0	2.1	0	0
Po	1700-2000	8-16	5	0	2.1	0	0
Po	1700-2000	8-16	6	0	2.3	0	0
Po	1700-2000	16-26	1	92	0.4	0	0
Po	1700-2000	16-26	2	0	0.4	0	0
Po	1700-2000	GT26	1	92	0.4	0	0
Po	1700-2000	GT26	2	0	0.4	0	0
Po	GT2000	0-8	1	40	2.2	0	0
Po	GT2000	0-8	2	0	2.2	0	0
Po	GT2000	8-16	1	40	2.2	0	0
Po	GT2000	8-16	2	0	2.2	0	0
Po	GT2000	16-26	1	46	0.4	0	0
Po	GT2000	16-26	2	0	0.4	0	0
Po	GT2000	GT26	1	46	0.4	0	0
Po	GT2000	GT26	2	0	0.4	0	0
Pu	1500-1700	0-8	1	62	2.5	0	0
Pu	1500-1700	0-8	2	0	2.5	0	0
Pu	1500-1700	0-8	5	0	2.5	0	0
Pu	1500-1700	0-8	6	0	0.962	0	0
Pu	1500-1700	8-16	1	62	2.5	0	0
Pu	1500-1700	8-16	2	0	2.5	0	0
Pu	1500-1700	8-16	5	0	2.5	0	0
Pu	1500-1700	8-16	6	0	0.962	0	0
Pu	1500-1700	16-26	1	10	0	0	0
Pu	1500-1700	16-26	2	0	0	0	0
Pu	1500-1700	GT26	1	10	0	0	0
Pu	1500-1700	GT26	2	0	0	0	0
Pu	1700-2000	0-8	1	62	2.5	0	0
Pu	1700-2000	0-8	2	0	2.5	0	0
Pu	1700-2000	0-8	5	0	2.5	0	0
Pu	1700-2000	0-8	6	0	0.962	0	0
Pu	1700-2000	8-16	1	62	2.5	0	0
Pu	1700-2000	8-16	2	0	2.5	0	0
Pu	1700-2000	8-16	5	0	2.5	0	0
Pu	1700-2000	8-16	6	0	0.962	0	0
Pu	1700-2000	16-26	1	10	0	0	0
Pu	1700-2000	16-26	2	0	0	0	0
Pu	1700-2000	GT26	1	10	0	0	0
Pu	1700-2000	GT26	2	0	0	0	0
Pu	LT1500	0-8	1	62	2.5	0	0
Pu	LT1500	0-8	2	0	2.5	0	0
Pu	LT1500	0-8	5	0	2.5	0	0
Pu	LT1500	0-8	6	0	0.962	0	0
Pu	LT1500	8-16	1	62	2.5	0	0
Pu	LT1500	8-16	2	0	2.5	0	0

soil	rain	slope	mods	nfp	su	wp	sp
Pu	LT1500	8-16	5	0	2.5	0	0
Pu	LT1500	8-16	6	0	0.962	0	0
Pu	GT2000	0-8	1	62	2.5	0	0
Pu	GT2000	0-8	2	0	2.5	0	0
Pu	GT2000	0-8	5	0	2.5	0	0
Pu	GT2000	0-8	6	0	0.962	0	0
Pu	GT2000	8-16	1	62	2.5	0	0
Pu	GT2000	8-16	2	0	2.5	0	0
Pu	GT2000	8-16	5	0	2.5	0	0
Pu	GT2000	8-16	6	0	0.962	0	0
Pu	GT2000	16-26	1	10	0	0	0
Pu	GT2000	16-26	2	0	0	0	0
Pu	GT2000	GT26	1	10	0	0	0
Pu	GT2000	GT26	2	0	0	0	0
Re	1500-1700	0-8	1	62	2.5	0	0
Re	1500-1700	0-8	2	0	2.5	0	0
Re	1500-1700	0-8	6	0	1.7	0	0
Re	1500-1700	8-16	1	10	0.3	0	0
Re	1500-1700	8-16	2	0	0.3	0	0
Re	1500-1700	16-26	1	10	0.3	0	0
Re	1500-1700	16-26	2	0	0.3	0	0
Re	1500-1700	GT26	1	10	0.3	0	0
Re	1500-1700	GT26	2	0	0.3	0	0
Re	LT1500	0-8	1	62	2.5	0	0
Re	LT1500	0-8	2	0	2.5	0	0
Re	LT1500	0-8	6	0	1.7	0	0
Re	LT1500	8-16	1	10	0.3	0	0
Re	LT1500	8-16	2	0	0.3	0	0
Re	LT1500	16-26	1	10	0.3	0	0
Re	LT1500	16-26	2	0	0.3	0	0
other	1500-1700	0-8	1	30	2.1	0	0
other	1500-1700	0-8	2	0	2.1	0	0
other	1500-1700	0-8	5	0	2.1	0	0
other	1500-1700	0-8	6	0	2.3	0	0
other	1700-2000	0-8	1	30	2.1	0	0
other	1700-2000	0-8	2	0	2.1	0	0
other	1700-2000	0-8	5	0	2.1	0	0
other	1700-2000	0-8	6	0	2.3	0	0
other	1700-2000	8-16	1	30	2.1	0	0
other	1700-2000	8-16	2	0	2.1	0	0
other	1700-2000	8-16	5	0	2.1	0	0
other	1700-2000	8-16	6	0	2.3	0	0
other	LT1500	0-8	1	30	2.1	0	0
other	LT1500	0-8	2	0	2.1	0	0
other	LT1500	0-8	5	0	2.1	0	0
other	LT1500	0-8	6	0	2.3	0	0
other	GT2000	0-8	1	40	2.2	0	0
other	GT2000	0-8	2	0	2.2	0	0
other	GT2000	8-16	1	40	2.2	0	0

soil	rain	slope	mods	nfp	su	wp	sp
other	GT2000	8-16	2	0	2.2	0	0
other	GT2000	16-26	1	46	0.4	0	0
other	GT2000	16-26	2	0	0.4	0	0

soil	rain	slope	mods	bp	la	rss-p	rsw
Al	1500-1700	0-8	1	314.1	0.2	0	0
Al	1500-1700	0-8	2	292.2	0.1	0	0
Al	1500-1700	0-8	5	237.2	0.1	0	0
Al	1500-1700	0-8	6	195.3	0.1	0	0
Al	1500-1700	8-16	1	314.1	0.2	0	0
Al	1500-1700	8-16	2	292.2	0.1	0	0
Al	1500-1700	8-16	5	237.2	0.1	0	0
Al	1500-1700	8-16	6	195.3	0.1	0	0
Al	1500-1700	16-26	1	281.8	0.1	0	0
Al	1500-1700	16-26	2	281.8	0.1	0	0
Al	1500-1700	GT26	1	281.8	0.1	0	0
Al	1500-1700	GT26	2	281.8	0.1	0	0
Al	1700-2000	0-8	1	314.1	0.2	0	0
Al	1700-2000	0-8	2	292.2	0.1	0	0
Al	1700-2000	0-8	5	237.2	0.1	0	0
Al	1700-2000	0-8	6	195.3	0.1	0	0
Al	1700-2000	8-16	1	314.1	0.2	0	0
Al	1700-2000	8-16	2	292.2	0.1	0	0
Al	1700-2000	8-16	5	237.2	0.1	0	0
Al	1700-2000	8-16	6	195.3	0.1	0	0
Al	1700-2000	16-26	1	281.8	0.1	0	0
Al	1700-2000	16-26	2	281.8	0.1	0	0
Al	1700-2000	GT26	1	281.8	0.1	0	0
Al	1700-2000	GT26	2	281.8	0.1	0	0
Al	GT2000	0-8	1	314.1	0.2	0	0
Al	GT2000	0-8	2	292.2	0.1	0	0
Al	GT2000	0-8	5	237.2	0.1	0	0
Al	GT2000	0-8	6	195.3	0.1	0	0
Al	GT2000	8-16	1	314.1	0.2	0	0
Al	GT2000	8-16	2	292.2	0.1	0	0
Al	GT2000	8-16	5	237.2	0.1	0	0
Al	GT2000	8-16	6	195.3	0.1	0	0
Al	GT2000	16-26	1	281.8	0.1	0	0
Al	GT2000	16-26	2	281.8	0.1	0	0
Al	GT2000	GT26	1	281.8	0.1	0	0
Al	GT2000	GT26	2	281.8	0.1	0	0
Po	1500-1700	0-8	1	427.1	0.2	0	0
Po	1500-1700	0-8	2	406.6	0.2	0	0
Po	1500-1700	0-8	5	359.4	0.2	0	0
Po	1500-1700	0-8	6	419.6	0.2	0	0
Po	1500-1700	8-16	1	427.1	0.2	0	0
Po	1500-1700	8-16	2	406.6	0.2	0	0
Po	1500-1700	8-16	5	359.4	0.2	0	0
Po	1500-1700	8-16	6	419.6	0.2	0	0
Po	1500-1700	16-26	1	406.7	0.2	0	0
Po	1500-1700	16-26	2	346.1	0.1	0	0
Po	1500-1700	GT26	1	406.7	0.2	0	0
Po	1500-1700	GT26	2	346.1	0.1	0	0
Po	1700-2000	0-8	1	427.1	0.2	0	0

soil	rain	slope	mods	bp	la	rss-p	rsw
Po	1700-2000	0-8	2	406.6	0.2	0	0
Po	1700-2000	0-8	5	359.4	0.2	0	0
Po	1700-2000	0-8	6	419.6	0.2	0	0
Po	1700-2000	8-16	1	427.1	0.2	0	0
Po	1700-2000	8-16	2	406.6	0.2	0	0
Po	1700-2000	8-16	5	359.4	0.2	0	0
Po	1700-2000	8-16	6	419.6	0.2	0	0
Po	1700-2000	16-26	1	406.7	0.2	0	0
Po	1700-2000	16-26	2	346.1	0.1	0	0
Po	1700-2000	GT26	1	406.7	0.2	0	0
Po	1700-2000	GT26	2	346.1	0.1	0	0
Po	GT2000	0-8	1	453.3	0.2	0	0
Po	GT2000	0-8	2	453.3	0.2	0	0
Po	GT2000	8-16	1	453.3	0.2	0	0
Po	GT2000	8-16	2	453.3	0.2	0	0
Po	GT2000	16-26	1	406.7	0.2	0	0
Po	GT2000	16-26	2	356.6	0.1	0	0
Po	GT2000	GT26	1	406.7	0.2	0	0
Po	GT2000	GT26	2	356.6	0.1	0	0
Pu	1500-1700	0-8	1	353.2	0.2	0	0
Pu	1500-1700	0-8	2	329.8	0.2	0	0
Pu	1500-1700	0-8	5	269.9	0.1	0	0
Pu	1500-1700	0-8	6	251.1	0.1	0	0
Pu	1500-1700	8-16	1	353.2	0.2	0	0
Pu	1500-1700	8-16	2	329.8	0.2	0	0
Pu	1500-1700	8-16	5	269.9	0.1	0	0
Pu	1500-1700	8-16	6	251.1	0.1	0	0
Pu	1500-1700	16-26	1	289.4	0.1	0	0
Pu	1500-1700	16-26	2	280.4	0.1	0	0
Pu	1500-1700	GT26	1	289.4	0.1	0	0
Pu	1500-1700	GT26	2	280.4	0.1	0	0
Pu	1700-2000	0-8	1	353.2	0.2	0	0
Pu	1700-2000	0-8	2	329.8	0.2	0	0
Pu	1700-2000	0-8	5	269.9	0.1	0	0
Pu	1700-2000	0-8	6	251.1	0.1	0	0
Pu	1700-2000	8-16	1	353.2	0.2	0	0
Pu	1700-2000	8-16	2	329.8	0.2	0	0
Pu	1700-2000	8-16	5	269.9	0.1	0	0
Pu	1700-2000	8-16	6	251.1	0.1	0	0
Pu	1700-2000	16-26	1	289.4	0.1	0	0
Pu	1700-2000	16-26	2	280.4	0.1	0	0
Pu	1700-2000	GT26	1	289.4	0.1	0	0
Pu	1700-2000	GT26	2	280.4	0.1	0	0
Pu	LT1500	0-8	1	353.2	0.2	0	0
Pu	LT1500	0-8	2	329.8	0.2	0	0
Pu	LT1500	0-8	5	269.9	0.1	0	0
Pu	LT1500	0-8	6	251.1	0.1	0	0
Pu	LT1500	8-16	1	353.2	0.2	0	0
Pu	LT1500	8-16	2	329.8	0.2	0	0

soil	rain	slope	mods	bp	la	rss-p	rsw
Pu	LT1500	8-16	5	269.9	0.1	0	0
Pu	LT1500	8-16	6	251.1	0.1	0	0
Pu	GT2000	0-8	1	353.2	0.2	0	0
Pu	GT2000	0-8	2	329.8	0.2	0	0
Pu	GT2000	0-8	5	269.9	0.1	0	0
Pu	GT2000	0-8	6	251.1	0.1	0	0
Pu	GT2000	8-16	1	353.2	0.2	0	0
Pu	GT2000	8-16	2	329.8	0.2	0	0
Pu	GT2000	8-16	5	269.9	0.1	0	0
Pu	GT2000	8-16	6	251.1	0.1	0	0
Pu	GT2000	16-26	1	289.4	0.1	0	0
Pu	GT2000	16-26	2	280.4	0.1	0	0
Pu	GT2000	GT26	1	289.4	0.1	0	0
Pu	GT2000	GT26	2	280.4	0.1	0	0
Re	1500-1700	0-8	1	294.1	0.1	0	0
Re	1500-1700	0-8	2	264.5	0.1	0	0
Re	1500-1700	0-8	6	201.5	0.1	0	0
Re	1500-1700	8-16	1	245.1	0.1	0	0
Re	1500-1700	8-16	2	236.3	0.1	0	0
Re	1500-1700	16-26	1	245.1	0.1	0	0
Re	1500-1700	16-26	2	236.3	0.1	0	0
Re	1500-1700	GT26	1	245.1	0.1	0	0
Re	1500-1700	GT26	2	236.3	0.1	0	0
Re	LT1500	0-8	1	294.1	0.1	0	0
Re	LT1500	0-8	2	264.5	0.1	0	0
Re	LT1500	0-8	6	201.5	0.1	0	0
Re	LT1500	8-16	1	245.1	0.1	0	0
Re	LT1500	8-16	2	236.3	0.1	0	0
Re	LT1500	16-26	1	245.1	0.1	0	0
Re	LT1500	16-26	2	236.3	0.1	0	0
other	1500-1700	0-8	1	427.1	0.2	0	0
other	1500-1700	0-8	2	406.6	0.2	0	0
other	1500-1700	0-8	5	359.4	0.2	0	0
other	1500-1700	0-8	6	419.6	0.2	0	0
other	1700-2000	0-8	1	427.1	0.2	0	0
other	1700-2000	0-8	2	406.6	0.2	0	0
other	1700-2000	0-8	5	359.4	0.2	0	0
other	1700-2000	0-8	6	419.6	0.2	0	0
other	1700-2000	8-16	1	427.1	0.2	0	0
other	1700-2000	8-16	2	406.6	0.2	0	0
other	1700-2000	8-16	5	359.4	0.2	0	0
other	1700-2000	8-16	6	419.6	0.2	0	0
other	LT1500	0-8	1	427.1	0.2	0	0
other	LT1500	0-8	2	406.6	0.2	0	0
other	LT1500	0-8	5	359.4	0.2	0	0
other	LT1500	0-8	6	419.6	0.2	0	0
other	GT2000	0-8	1	453.3	0.2	0	0
other	GT2000	0-8	2	453.3	0.2	0	0
other	GT2000	8-16	1	453.3	0.2	0	0

soil	rain	slope	mods	bp	la	rss-p	rsw
other	GT2000	8-16	2	453.3	0.2	0	0
other	GT2000	16-26	1	406.7	0.2	0	0
other	GT2000	16-26	2	356.6	0.1	0	0

soil	rain	slope	mods	rscvc	rst	rbs-p	rbc
Al	1500-1700	0-8	1		0	0	2221.447
Al	1500-1700	0-8	2		0	0	2106
Al	1500-1700	0-8	5		0	0	1903.184
Al	1500-1700	0-8	6		0	0	814.2105
Al	1500-1700	8-16	1		0	0	2221.447
Al	1500-1700	8-16	2		0	0	2106
Al	1500-1700	8-16	5		0	0	1903.184
Al	1500-1700	8-16	6		0	0	814.2105
Al	1500-1700	16-26	1		0	0	1202.079
Al	1500-1700	16-26	2		0	0	1202.079
Al	1500-1700	GT26	1		0	0	1202.079
Al	1500-1700	GT26	2		0	0	1202.079
Al	1700-2000	0-8	1		0	0	2221.447
Al	1700-2000	0-8	2		0	0	2106
Al	1700-2000	0-8	5		0	0	1903.184
Al	1700-2000	0-8	6		0	0	814.2105
Al	1700-2000	8-16	1		0	0	2221.447
Al	1700-2000	8-16	2		0	0	2106
Al	1700-2000	8-16	5		0	0	1903.184
Al	1700-2000	8-16	6		0	0	814.2105
Al	1700-2000	16-26	1		0	0	1202.079
Al	1700-2000	16-26	2		0	0	1202.079
Al	1700-2000	GT26	1		0	0	1202.079
Al	1700-2000	GT26	2		0	0	1202.079
Al	GT2000	0-8	1		0	0	2221.447
Al	GT2000	0-8	2		0	0	2106
Al	GT2000	0-8	5		0	0	1903.184
Al	GT2000	0-8	6		0	0	814.2105
Al	GT2000	8-16	1		0	0	2221.447
Al	GT2000	8-16	2		0	0	2106
Al	GT2000	8-16	5		0	0	1903.184
Al	GT2000	8-16	6		0	0	814.2105
Al	GT2000	16-26	1		0	0	1202.079
Al	GT2000	16-26	2		0	0	1202.079
Al	GT2000	GT26	1		0	0	1202.079
Al	GT2000	GT26	2		0	0	1202.079
Po	1500-1700	0-8	1		0	0	2248.605
Po	1500-1700	0-8	2		0	0	2136.816
Po	1500-1700	0-8	5		0	0	1870.947
Po	1500-1700	0-8	6		0	0	1500.474
Po	1500-1700	8-16	1		0	0	2248.605
Po	1500-1700	8-16	2		0	0	2136.816
Po	1500-1700	8-16	5		0	0	1870.947
Po	1500-1700	8-16	6		0	0	1500.474
Po	1500-1700	16-26	1		0	0	1532.132
Po	1500-1700	16-26	2		0	0	1256.368
Po	1500-1700	GT26	1		0	0	1532.132
Po	1500-1700	GT26	2		0	0	1256.368
Po	1700-2000	0-8	1		0	0	2248.605

soil	rain	slope	mods	rscvc	rst	rbs-p	rbc
Po	1700-2000	0-8	2		0	0	2136.816
Po	1700-2000	0-8	5		0	0	1870.947
Po	1700-2000	0-8	6		0	0	1500.474
Po	1700-2000	8-16	1		0	0	2248.605
Po	1700-2000	8-16	2		0	0	2136.816
Po	1700-2000	8-16	5		0	0	1870.947
Po	1700-2000	8-16	6		0	0	1500.474
Po	1700-2000	16-26	1		0	0	1532.132
Po	1700-2000	16-26	2		0	0	1256.368
Po	1700-2000	GT26	1		0	0	1532.132
Po	1700-2000	GT26	2		0	0	1256.368
Po	GT2000	0-8	1		0	0	1756.368
Po	GT2000	0-8	2		0	0	1756.368
Po	GT2000	8-16	1		0	0	1756.368
Po	GT2000	8-16	2		0	0	1756.368
Po	GT2000	16-26	1		0	0	1464.105
Po	GT2000	16-26	2		0	0	1288.395
Po	GT2000	GT26	1		0	0	1464.105
Po	GT2000	GT26	2		0	0	1288.395
Pu	1500-1700	0-8	1		0	0	2186.553
Pu	1500-1700	0-8	2		0	0	2083.632
Pu	1500-1700	0-8	5		0	0	1860.526
Pu	1500-1700	0-8	6		0	0	1025.868
Pu	1500-1700	8-16	1		0	0	2186.553
Pu	1500-1700	8-16	2		0	0	2083.632
Pu	1500-1700	8-16	5		0	0	1860.526
Pu	1500-1700	8-16	6		0	0	1025.868
Pu	1500-1700	16-26	1		0	0	1332.289
Pu	1500-1700	16-26	2		0	0	1293.974
Pu	1500-1700	GT26	1		0	0	1332.289
Pu	1500-1700	GT26	2		0	0	1293.974
Pu	1700-2000	0-8	1		0	0	2186.553
Pu	1700-2000	0-8	2		0	0	2083.632
Pu	1700-2000	0-8	5		0	0	1860.526
Pu	1700-2000	0-8	6		0	0	1025.868
Pu	1700-2000	8-16	1		0	0	2186.553
Pu	1700-2000	8-16	2		0	0	2083.632
Pu	1700-2000	8-16	5		0	0	1860.526
Pu	1700-2000	8-16	6		0	0	1025.868
Pu	1700-2000	16-26	1		0	0	1332.289
Pu	1700-2000	16-26	2		0	0	1293.974
Pu	1700-2000	GT26	1		0	0	1332.289
Pu	1700-2000	GT26	2		0	0	1293.974
Pu	LT1500	0-8	1		0	0	2186.553
Pu	LT1500	0-8	2		0	0	2083.632
Pu	LT1500	0-8	5		0	0	1860.526
Pu	LT1500	0-8	6		0	0	1025.868
Pu	LT1500	8-16	1		0	0	2186.553
Pu	LT1500	8-16	2		0	0	2083.632

soil	rain	slope	mods	rscvc	rst	rbs-p	rbc
Pu	LT1500	8-16	5		0	0	1860.526
Pu	LT1500	8-16	6		0	0	1025.868
Pu	GT2000	0-8	1		0	0	2186.553
Pu	GT2000	0-8	2		0	0	2083.632
Pu	GT2000	0-8	5		0	0	1860.526
Pu	GT2000	0-8	6		0	0	1025.868
Pu	GT2000	8-16	1		0	0	2186.553
Pu	GT2000	8-16	2		0	0	2083.632
Pu	GT2000	8-16	5		0	0	1860.526
Pu	GT2000	8-16	6		0	0	1025.868
Pu	GT2000	16-26	1		0	0	1332.289
Pu	GT2000	16-26	2		0	0	1293.974
Pu	GT2000	GT26	1		0	0	1332.289
Pu	GT2000	GT26	2		0	0	1293.974
Re	1500-1700	0-8	1		0	0	1668.421
Re	1500-1700	0-8	2		0	0	1536.211
Re	1500-1700	0-8	6		0	0	775.1053
Re	1500-1700	8-16	1		0	0	851.3947
Re	1500-1700	8-16	2		0	0	823
Re	1500-1700	16-26	1		0	0	851.3947
Re	1500-1700	16-26	2		0	0	823
Re	1500-1700	GT26	1		0	0	851.3947
Re	1500-1700	GT26	2		0	0	823
Re	LT1500	0-8	1		0	0	1668.421
Re	LT1500	0-8	2		0	0	1536.211
Re	LT1500	0-8	6		0	0	775.1053
Re	LT1500	8-16	1		0	0	851.3947
Re	LT1500	8-16	2		0	0	823
Re	LT1500	16-26	1		0	0	851.3947
Re	LT1500	16-26	2		0	0	823
other	1500-1700	0-8	1		0	0	2248.605
other	1500-1700	0-8	2		0	0	2136.816
other	1500-1700	0-8	5		0	0	1870.947
other	1500-1700	0-8	6		0	0	1500.474
other	1700-2000	0-8	1		0	0	2248.605
other	1700-2000	0-8	2		0	0	2136.816
other	1700-2000	0-8	5		0	0	1870.947
other	1700-2000	0-8	6		0	0	1500.474
other	1700-2000	8-16	1		0	0	2248.605
other	1700-2000	8-16	2		0	0	2136.816
other	1700-2000	8-16	5		0	0	1870.947
other	1700-2000	8-16	6		0	0	1500.474
other	LT1500	0-8	1		0	0	2248.605
other	LT1500	0-8	2		0	0	2136.816
other	LT1500	0-8	5		0	0	1870.947
other	LT1500	0-8	6		0	0	1500.474
other	GT2000	0-8	1		0	0	1756.368
other	GT2000	0-8	2		0	0	1756.368
other	GT2000	8-16	1		0	0	1756.368

soil	rain	slope	mods	rscvc	rst	rbs-p	rbc
other	GT2000	8-16	2	0	0	0	1756.368
other	GT2000	16-26	1	0	0	0	1464.105
other	GT2000	16-26	2	0	0	0	1288.395

soil	rain	slope	mods	rbt	rsf	rccvc	rct
Al	1500-1700	0-8	1	2221.447	103.5789	0.236842	103.8158
Al	1500-1700	0-8	2	2106	103.5789	0.236842	103.8158
Al	1500-1700	0-8	5	1903.184	548.8421	0.236842	549.0789
Al	1500-1700	0-8	6	814.2105	1089.868	0	1089.868
Al	1500-1700	8-16	1	2221.447	103.5789	0.236842	103.8158
Al	1500-1700	8-16	2	2106	103.5789	0.236842	103.8158
Al	1500-1700	8-16	5	1903.184	548.8421	0.236842	549.0789
Al	1500-1700	8-16	6	814.2105	1089.868	0	1089.868
Al	1500-1700	16-26	1	1202.079	157.5	157.5	1359.579
Al	1500-1700	16-26	2	1202.079	157.5	157.5	1359.579
Al	1500-1700	GT26	1	1202.079	157.5	157.5	1359.579
Al	1500-1700	GT26	2	1202.079	157.5	157.5	1359.579
Al	1700-2000	0-8	1	2221.447	103.5789	0.236842	103.8158
Al	1700-2000	0-8	2	2106	103.5789	0.236842	103.8158
Al	1700-2000	0-8	5	1903.184	548.8421	0.236842	549.0789
Al	1700-2000	0-8	6	814.2105	1089.868	0	1089.868
Al	1700-2000	8-16	1	2221.447	103.5789	0.236842	103.8158
Al	1700-2000	8-16	2	2106	103.5789	0.236842	103.8158
Al	1700-2000	8-16	5	1903.184	548.8421	0.236842	549.0789
Al	1700-2000	8-16	6	814.2105	1089.868	0	1089.868
Al	1700-2000	16-26	1	1202.079	157.5	157.5	1359.579
Al	1700-2000	16-26	2	1202.079	157.5	157.5	1359.579
Al	1700-2000	GT26	1	1202.079	157.5	157.5	1359.579
Al	1700-2000	GT26	2	1202.079	157.5	157.5	1359.579
Al	GT2000	0-8	1	2221.447	103.5789	0.236842	103.8158
Al	GT2000	0-8	2	2106	103.5789	0.236842	103.8158
Al	GT2000	0-8	5	1903.184	548.8421	0.236842	549.0789
Al	GT2000	0-8	6	814.2105	1089.868	0	1089.868
Al	GT2000	8-16	1	2221.447	103.5789	0.236842	103.8158
Al	GT2000	8-16	2	2106	103.5789	0.236842	103.8158
Al	GT2000	8-16	5	1903.184	548.8421	0.236842	549.0789
Al	GT2000	8-16	6	814.2105	1089.868	0	1089.868
Al	GT2000	16-26	1	1202.079	157.5	157.5	1359.579
Al	GT2000	16-26	2	1202.079	157.5	157.5	1359.579
Al	GT2000	GT26	1	1202.079	157.5	157.5	1359.579
Al	GT2000	GT26	2	1202.079	157.5	157.5	1359.579
Po	1500-1700	0-8	1	2248.605	0	-0.52632	-0.52632
Po	1500-1700	0-8	2	2136.816	0	-0.52632	-0.52632
Po	1500-1700	0-8	5	1870.947	0	530	530
Po	1500-1700	0-8	6	1500.474	457.7632	0.078947	457.8421
Po	1500-1700	8-16	1	2248.605	0	-0.52632	-0.52632
Po	1500-1700	8-16	2	2136.816	0	-0.52632	-0.52632
Po	1500-1700	8-16	5	1870.947	0	530	530
Po	1500-1700	8-16	6	1500.474	457.7632	0.078947	457.8421
Po	1500-1700	16-26	1	1532.132	0	0	0
Po	1500-1700	16-26	2	1256.368	0	0	0
Po	1500-1700	GT26	1	1532.132	0	0	0
Po	1500-1700	GT26	2	1256.368	0	0	0
Po	1700-2000	0-8	1	2248.605	0	-0.52632	-0.52632

soil	rain	slope	mods	rbt	rsf	rccvc	rct
Po	1700-2000	0-8	2	2136.816		0	-0.52632
Po	1700-2000	0-8	5	1870.947		0	530
Po	1700-2000	0-8	6	1500.474	457.7632	0.078947	457.8421
Po	1700-2000	8-16	1	2248.605		0	-0.52632
Po	1700-2000	8-16	2	2136.816		0	-0.52632
Po	1700-2000	8-16	5	1870.947		0	530
Po	1700-2000	8-16	6	1500.474	457.7632	0.078947	457.8421
Po	1700-2000	16-26	1	1532.132		0	0
Po	1700-2000	16-26	2	1256.368		0	0
Po	1700-2000	GT26	1	1532.132		0	0
Po	1700-2000	GT26	2	1256.368		0	0
Po	GT2000	0-8	1	1756.368	261.0526	0.157895	261.2105
Po	GT2000	0-8	2	1756.368		0	-0.05263
Po	GT2000	8-16	1	1756.368	261.0526	0.157895	261.2105
Po	GT2000	8-16	2	1756.368		0	-0.05263
Po	GT2000	16-26	1	1464.105		0	0
Po	GT2000	16-26	2	1288.395		0	0
Po	GT2000	GT26	1	1464.105		0	0
Po	GT2000	GT26	2	1288.395		0	0
Pu	1500-1700	0-8	1	2186.553	421.0526		0
Pu	1500-1700	0-8	2	2083.632	421.0526		0
Pu	1500-1700	0-8	5	1860.526	421.0526	460.7632	881.8158
Pu	1500-1700	0-8	6	1025.868	1557.263	0.289474	1557.553
Pu	1500-1700	8-16	1	2186.553	421.0526		0
Pu	1500-1700	8-16	2	2083.632	421.0526		0
Pu	1500-1700	8-16	5	1860.526	421.0526	460.7632	881.8158
Pu	1500-1700	8-16	6	1025.868	1557.263	0.289474	1557.553
Pu	1500-1700	16-26	1	157.5	157.5		0
Pu	1500-1700	16-26	2	157.5	157.5		0
Pu	1500-1700	GT26	1	157.5	157.5		0
Pu	1500-1700	GT26	2	157.5	157.5		0
Pu	1700-2000	0-8	1	2186.553	421.0526		0
Pu	1700-2000	0-8	2	2083.632	421.0526		0
Pu	1700-2000	0-8	5	1860.526	421.0526	460.7632	881.8158
Pu	1700-2000	0-8	6	1025.868	1557.263	0.289474	1557.553
Pu	1700-2000	8-16	1	2186.553	421.0526		0
Pu	1700-2000	8-16	2	2083.632	421.0526		0
Pu	1700-2000	8-16	5	1860.526	421.0526	460.7632	881.8158
Pu	1700-2000	8-16	6	1025.868	1557.263	0.289474	1557.553
Pu	1700-2000	16-26	1	157.5	157.5		0
Pu	1700-2000	16-26	2	157.5	157.5		0
Pu	1700-2000	GT26	1	157.5	157.5		0
Pu	1700-2000	GT26	2	157.5	157.5		0
Pu	LT1500	0-8	1	2186.553	421.0526		0
Pu	LT1500	0-8	2	2083.632	421.0526		0
Pu	LT1500	0-8	5	1860.526	421.0526	460.7632	881.8158
Pu	LT1500	0-8	6	1025.868	1557.263	0.289474	1557.553
Pu	LT1500	8-16	1	2186.553	421.0526		0
Pu	LT1500	8-16	2	2083.632	421.0526		0

soil	rain	slope	mods	rbt	rsf	rccvc	rct
Pu	LT1500	8-16	5	1860.526	421.0526	460.7632	881.8158
Pu	LT1500	8-16	6	1025.868	1557.263	0.289474	1557.553
Pu	GT2000	0-8	1	2186.553	421.0526	0	421.0526
Pu	GT2000	0-8	2	2083.632	421.0526	0	421.0526
Pu	GT2000	0-8	5	1860.526	421.0526	460.7632	881.8158
Pu	GT2000	0-8	6	1025.868	1557.263	0.289474	1557.553
Pu	GT2000	8-16	1	2186.553	421.0526	0	421.0526
Pu	GT2000	8-16	2	2083.632	421.0526	0	421.0526
Pu	GT2000	8-16	5	1860.526	421.0526	460.7632	881.8158
Pu	GT2000	8-16	6	1025.868	1557.263	0.289474	1557.553
Pu	GT2000	16-26	1	157.5	157.5	0	0
Pu	GT2000	16-26	2	157.5	157.5	0	0
Pu	GT2000	GT26	1	157.5	157.5	0	0
Pu	GT2000	GT26	2	157.5	157.5	0	0
Re	1500-1700	0-8	1	1668.421	0	0.157895	0.157895
Re	1500-1700	0-8	2	1536.211	0	0.157895	0.157895
Re	1500-1700	0-8	6	775.1053	236.5263	0.157895	236.6842
Re	1500-1700	8-16	1	0	0	0	851.3947
Re	1500-1700	8-16	2	0	0	0	823
Re	1500-1700	16-26	1	0	0	0	851.3947
Re	1500-1700	16-26	2	0	0	0	823
Re	1500-1700	GT26	1	0	0	0	851.3947
Re	1500-1700	GT26	2	0	0	0	823
Re	LT1500	0-8	1	1668.421	0	0.157895	0.157895
Re	LT1500	0-8	2	1536.211	0	0.157895	0.157895
Re	LT1500	0-8	6	775.1053	236.5263	0.157895	236.6842
Re	LT1500	8-16	1	0	0	0	851.3947
Re	LT1500	8-16	2	0	0	0	823
Re	LT1500	16-26	1	0	0	0	851.3947
Re	LT1500	16-26	2	0	0	0	823
other	1500-1700	0-8	1	2248.605	0	-0.52632	-0.52632
other	1500-1700	0-8	2	2136.816	0	-0.52632	-0.52632
other	1500-1700	0-8	5	1870.947	0	530	530
other	1500-1700	0-8	6	1500.474	457.7632	0.078947	457.8421
other	1700-2000	0-8	1	2248.605	0	-0.52632	-0.52632
other	1700-2000	0-8	2	2136.816	0	-0.52632	-0.52632
other	1700-2000	0-8	5	1870.947	0	530	530
other	1700-2000	0-8	6	1500.474	457.7632	0.078947	457.8421
other	1700-2000	8-16	1	2248.605	0	-0.52632	-0.52632
other	1700-2000	8-16	2	2136.816	0	-0.52632	-0.52632
other	1700-2000	8-16	5	1870.947	0	530	530
other	1700-2000	8-16	6	1500.474	457.7632	0.078947	457.8421
other	LT1500	0-8	1	2248.605	0	-0.52632	-0.52632
other	LT1500	0-8	2	2136.816	0	-0.52632	-0.52632
other	LT1500	0-8	5	1870.947	0	530	530
other	LT1500	0-8	6	1500.474	457.7632	0.078947	457.8421
other	GT2000	0-8	1	1756.368	261.0526	0.157895	261.2105
other	GT2000	0-8	2	1756.368	0	-0.05263	-0.05263
other	GT2000	8-16	1	1756.368	261.0526	0.157895	261.2105

soil	rain	slope	mods	rbt	rsf	rccvc	rct
other	GT2000	8-16	2	1756.368	0	-0.05263	-0.05263
other	GT2000	16-26	1	1464.105	0	0	0
other	GT2000	16-26	2	1288.395	0	0	0

soil	rain	slope	mods	rtrr	eww	esah	ess
Al	1500-1700	0-8	1	2325.263	270.7632	0	0
Al	1500-1700	0-8	2	2209.816	253.1842	0	0
Al	1500-1700	0-8	5	2452.263	220.1316	0	0
Al	1500-1700	0-8	6	1904.079	157.4737	0	0
Al	1500-1700	8-16	1	2325.263	270.7632	0	0
Al	1500-1700	8-16	2	2209.816	253.1842	0	0
Al	1500-1700	8-16	5	2452.263	220.1316	0	0
Al	1500-1700	8-16	6	1904.079	157.4737	0	0
Al	1500-1700	16-26	1	203.9211	0	0	0
Al	1500-1700	16-26	2	203.9211	0	0	0
Al	1500-1700	GT26	1	203.9211	0	0	0
Al	1500-1700	GT26	2	203.9211	0	0	0
Al	1700-2000	0-8	1	2325.263	270.7632	0	0
Al	1700-2000	0-8	2	2209.816	253.1842	0	0
Al	1700-2000	0-8	5	2452.263	220.1316	0	0
Al	1700-2000	0-8	6	1904.079	157.4737	0	0
Al	1700-2000	8-16	1	2325.263	270.7632	0	0
Al	1700-2000	8-16	2	2209.816	253.1842	0	0
Al	1700-2000	8-16	5	2452.263	220.1316	0	0
Al	1700-2000	8-16	6	1904.079	157.4737	0	0
Al	1700-2000	16-26	1	203.9211	0	0	0
Al	1700-2000	16-26	2	203.9211	0	0	0
Al	1700-2000	GT26	1	203.9211	0	0	0
Al	1700-2000	GT26	2	203.9211	0	0	0
Al	GT2000	0-8	1	2325.263	270.7632	0	0
Al	GT2000	0-8	2	2209.816	253.1842	0	0
Al	GT2000	0-8	5	2452.263	220.1316	0	0
Al	GT2000	0-8	6	1904.079	157.4737	0	0
Al	GT2000	8-16	1	2325.263	270.7632	0	0
Al	GT2000	8-16	2	2209.816	253.1842	0	0
Al	GT2000	8-16	5	2452.263	220.1316	0	0
Al	GT2000	8-16	6	1904.079	157.4737	0	0
Al	GT2000	16-26	1	203.9211	0	0	0
Al	GT2000	16-26	2	203.9211	0	0	0
Al	GT2000	GT26	1	203.9211	0	0	0
Al	GT2000	GT26	2	203.9211	0	0	0
Po	1500-1700	0-8	1	2248.079	313.1579	0	0
Po	1500-1700	0-8	2	2136.289	296.7105	0	0
Po	1500-1700	0-8	5	2400.974	262.8421	0	0
Po	1500-1700	0-8	6	1958.316	297.4474	0	0
Po	1500-1700	8-16	1	2248.079	313.1579	0	0
Po	1500-1700	8-16	2	2136.289	296.7105	0	0
Po	1500-1700	8-16	5	2400.974	262.8421	0	0
Po	1500-1700	8-16	6	1958.316	297.4474	0	0
Po	1500-1700	16-26	1	1532.132	285.8947	0	0
Po	1500-1700	16-26	2	1256.368	234.4211	0	0
Po	1500-1700	GT26	1	1532.132	285.8947	0	0
Po	1500-1700	GT26	2	1256.368	234.4211	0	0
Po	1700-2000	0-8	1	2248.079	313.1579	0	0

soil	rain	slope	mods	rtrr	eww	esah	ess
Po	1700-2000	0-8	2	2136.289	296.7105	0	0
Po	1700-2000	0-8	5	2400.974	262.8421	0	0
Po	1700-2000	0-8	6	1958.316	297.4474	0	0
Po	1700-2000	8-16	1	2248.079	313.1579	0	0
Po	1700-2000	8-16	2	2136.289	296.7105	0	0
Po	1700-2000	8-16	5	2400.974	262.8421	0	0
Po	1700-2000	8-16	6	1958.316	297.4474	0	0
Po	1700-2000	16-26	1	1532.132	285.8947	0	0
Po	1700-2000	16-26	2	1256.368	234.4211	0	0
Po	1700-2000	GT26	1	1532.132	285.8947	0	0
Po	1700-2000	GT26	2	1256.368	234.4211	0	0
Po	GT2000	0-8	1	2017.579	354.6842	0	0
Po	GT2000	0-8	2	1756.316	354.6842	0	0
Po	GT2000	8-16	1	2017.579	354.6842	0	0
Po	GT2000	8-16	2	1756.316	354.6842	0	0
Po	GT2000	16-26	1	1464.105	273.7368	0	0
Po	GT2000	16-26	2	1288.395	240.8947	0	0
Po	GT2000	GT26	1	1464.105	273.7368	0	0
Po	GT2000	GT26	2	1288.395	240.8947	0	0
Pu	1500-1700	0-8	1	2607.605	288.3158	0	0
Pu	1500-1700	0-8	2	2504.684	270.7632	0	0
Pu	1500-1700	0-8	5	2742.342	234.4211	0	0
Pu	1500-1700	0-8	6	2583.421	202.4737	0	0
Pu	1500-1700	8-16	1	2607.605	288.3158	0	0
Pu	1500-1700	8-16	2	2504.684	270.7632	0	0
Pu	1500-1700	8-16	5	2742.342	234.4211	0	0
Pu	1500-1700	8-16	6	2583.421	202.4737	0	0
Pu	1500-1700	16-26	1	1489.789	225.7895	0	0
Pu	1500-1700	16-26	2	1451.474	219.4474	0	0
Pu	1500-1700	GT26	1	1489.789	225.7895	0	0
Pu	1500-1700	GT26	2	1451.474	219.4474	0	0
Pu	1700-2000	0-8	1	2607.605	288.3158	0	0
Pu	1700-2000	0-8	2	2504.684	270.7632	0	0
Pu	1700-2000	0-8	5	2742.342	234.4211	0	0
Pu	1700-2000	0-8	6	2583.421	202.4737	0	0
Pu	1700-2000	8-16	1	2607.605	288.3158	0	0
Pu	1700-2000	8-16	2	2504.684	270.7632	0	0
Pu	1700-2000	8-16	5	2742.342	234.4211	0	0
Pu	1700-2000	8-16	6	2583.421	202.4737	0	0
Pu	1700-2000	16-26	1	1489.789	225.7895	0	0
Pu	1700-2000	16-26	2	1451.474	219.4474	0	0
Pu	1700-2000	GT26	1	1489.789	225.7895	0	0
Pu	1700-2000	GT26	2	1451.474	219.4474	0	0
Pu	LT1500	0-8	1	2607.605	288.3158	0	0
Pu	LT1500	0-8	2	2504.684	270.7632	0	0
Pu	LT1500	0-8	5	2742.342	234.4211	0	0
Pu	LT1500	0-8	6	2583.421	202.4737	0	0
Pu	LT1500	8-16	1	2607.605	288.3158	0	0
Pu	LT1500	8-16	2	2504.684	270.7632	0	0

soil	rain	slope	mods	rtrr	eww	esah	ess
Pu	LT1500	8-16	5	2742.342	234.4211	0	0
Pu	LT1500	8-16	6	2583.421	202.4737	0	0
Pu	GT2000	0-8	1	2607.605	288.3158	0	0
Pu	GT2000	0-8	2	2504.684	270.7632	0	0
Pu	GT2000	0-8	5	2742.342	234.4211	0	0
Pu	GT2000	0-8	6	2583.421	202.4737	0	0
Pu	GT2000	8-16	1	2607.605	288.3158	0	0
Pu	GT2000	8-16	2	2504.684	270.7632	0	0
Pu	GT2000	8-16	5	2742.342	234.4211	0	0
Pu	GT2000	8-16	6	2583.421	202.4737	0	0
Pu	GT2000	16-26	1	1489.789	225.7895	0	0
Pu	GT2000	16-26	2	1451.474	219.4474	0	0
Pu	GT2000	GT26	1	1489.789	225.7895	0	0
Pu	GT2000	GT26	2	1451.474	219.4474	0	0
Re	1500-1700	0-8	1	1668.579	227.1579	0	0
Re	1500-1700	0-8	2	1536.368	204.9474	0	0
Re	1500-1700	0-8	6	1011.789	176.8947	0	0
Re	1500-1700	8-16	1	851.3947	170.3421	0	0
Re	1500-1700	8-16	2	823	164.6579	0	0
Re	1500-1700	16-26	1	851.3947	170.3421	0	0
Re	1500-1700	16-26	2	823	164.6579	0	0
Re	1500-1700	GT26	1	851.3947	170.3421	0	0
Re	1500-1700	GT26	2	823	164.6579	0	0
Re	LT1500	0-8	1	1668.579	227.1579	0	0
Re	LT1500	0-8	2	1536.368	204.9474	0	0
Re	LT1500	0-8	6	1011.789	176.8947	0	0
Re	LT1500	8-16	1	851.3947	170.3421	0	0
Re	LT1500	8-16	2	823	164.6579	0	0
Re	LT1500	16-26	1	851.3947	170.3421	0	0
Re	LT1500	16-26	2	823	164.6579	0	0
other	1500-1700	0-8	1	2248.079	313.1579	0	0
other	1500-1700	0-8	2	2136.289	296.7105	0	0
other	1500-1700	0-8	5	2400.974	262.8421	0	0
other	1500-1700	0-8	6	1958.316	297.4474	0	0
other	1700-2000	0-8	1	2248.079	313.1579	0	0
other	1700-2000	0-8	2	2136.289	296.7105	0	0
other	1700-2000	0-8	5	2400.974	262.8421	0	0
other	1700-2000	0-8	6	1958.316	297.4474	0	0
other	1700-2000	8-16	1	2248.079	313.1579	0	0
other	1700-2000	8-16	2	2136.289	296.7105	0	0
other	1700-2000	8-16	5	2400.974	262.8421	0	0
other	1700-2000	8-16	6	1958.316	297.4474	0	0
other	LT1500	0-8	1	2248.079	313.1579	0	0
other	LT1500	0-8	2	2136.289	296.7105	0	0
other	LT1500	0-8	5	2400.974	262.8421	0	0
other	LT1500	0-8	6	1958.316	297.4474	0	0
other	GT2000	0-8	1	2017.579	354.6842	0	0
other	GT2000	0-8	2	1756.316	354.6842	0	0
other	GT2000	8-16	1	2017.579	354.6842	0	0

soil	rain	slope	mods	rttr	eww	esah	ess
other	GT2000	8-16	2	1756.316	354.6842	0	0
other	GT2000	16-26	1	1464.105	273.7368	0	0
other	GT2000	16-26	2	1288.395	240.8947	0	0

soil	rain	slope	mods	efc	effc	efpf	efr
Al	1500-1700	0-8	1	467.0789		0	0 157.8947
Al	1500-1700	0-8	2	467.0789		0	0 157.8947
Al	1500-1700	0-8	5	734.2368		0	0 157.8947
Al	1500-1700	0-8	6	653.9211		0	0 157.8947
Al	1500-1700	8-16	1	467.0789		0	0 157.8947
Al	1500-1700	8-16	2	467.0789		0	0 157.8947
Al	1500-1700	8-16	5	734.2368		0	0 157.8947
Al	1500-1700	8-16	6	653.9211		0	0 157.8947
Al	1500-1700	16-26	1	94.5		0	0 0
Al	1500-1700	16-26	2	94.5		0	0 0
Al	1500-1700	GT26	1	94.5		0	0 0
Al	1500-1700	GT26	2	94.5		0	0 0
Al	1700-2000	0-8	1	467.0789		0	0 157.8947
Al	1700-2000	0-8	2	467.0789		0	0 157.8947
Al	1700-2000	0-8	5	734.2368		0	0 157.8947
Al	1700-2000	0-8	6	653.9211		0	0 157.8947
Al	1700-2000	8-16	1	467.0789		0	0 157.8947
Al	1700-2000	8-16	2	467.0789		0	0 157.8947
Al	1700-2000	8-16	5	734.2368		0	0 157.8947
Al	1700-2000	8-16	6	653.9211		0	0 157.8947
Al	1700-2000	16-26	1	94.5		0	0 0
Al	1700-2000	16-26	2	94.5		0	0 0
Al	1700-2000	GT26	1	94.5		0	0 0
Al	1700-2000	GT26	2	94.5		0	0 0
Al	GT2000	0-8	1	467.0789		0	0 157.8947
Al	GT2000	0-8	2	467.0789		0	0 157.8947
Al	GT2000	0-8	5	734.2368		0	0 157.8947
Al	GT2000	0-8	6	653.9211		0	0 157.8947
Al	GT2000	8-16	1	467.0789		0	0 157.8947
Al	GT2000	8-16	2	467.0789		0	0 157.8947
Al	GT2000	8-16	5	734.2368		0	0 157.8947
Al	GT2000	8-16	6	653.9211		0	0 157.8947
Al	GT2000	16-26	1	94.5		0	0 0
Al	GT2000	16-26	2	94.5		0	0 0
Al	GT2000	GT26	1	94.5		0	0 0
Al	GT2000	GT26	2	94.5		0	0 0
Po	1500-1700	0-8	1	406.3421		0	0 0
Po	1500-1700	0-8	2	406.3421		0	0 0
Po	1500-1700	0-8	5	724.6579		0	0 0
Po	1500-1700	0-8	6	583.8684		0	0 0
Po	1500-1700	8-16	1	406.3421		0	0 0
Po	1500-1700	8-16	2	406.3421		0	0 0
Po	1500-1700	8-16	5	724.6579		0	0 0
Po	1500-1700	8-16	6	583.8684		0	0 0
Po	1500-1700	16-26	1	94.5		0	0 0
Po	1500-1700	16-26	2	94.5		0	0 0
Po	1500-1700	GT26	1	94.5		0	0 0
Po	1500-1700	GT26	2	94.5		0	0 0
Po	1700-2000	0-8	1	406.3421		0	0 0

soil	rain	slope	mods	efc	effc	efpf	efr
Po	1700-2000	0-8	2	406.3421		0	0
Po	1700-2000	0-8	5	724.6579		0	0
Po	1700-2000	0-8	6	583.8684		0	0
Po	1700-2000	8-16	1	406.3421		0	0
Po	1700-2000	8-16	2	406.3421		0	0
Po	1700-2000	8-16	5	724.6579		0	0
Po	1700-2000	8-16	6	583.8684		0	0
Po	1700-2000	16-26	1	94.5		0	0
Po	1700-2000	16-26	2	94.5		0	0
Po	1700-2000	GT26	1	94.5		0	0
Po	1700-2000	GT26	2	94.5		0	0
Po	GT2000	0-8	1	483.2368		0	0
Po	GT2000	0-8	2	360.7632		0	0
Po	GT2000	8-16	1	483.2368		0	0
Po	GT2000	8-16	2	360.7632		0	0
Po	GT2000	16-26	1	94.5		0	0
Po	GT2000	16-26	2	94.5		0	0
Po	GT2000	GT26	1	94.5		0	0
Po	GT2000	GT26	2	94.5		0	0
Pu	1500-1700	0-8	1	615.7895		0	157.8947
Pu	1500-1700	0-8	2	615.7895		0	157.8947
Pu	1500-1700	0-8	5	892.2368		0	157.8947
Pu	1500-1700	0-8	6	935.3684		0	157.8947
Pu	1500-1700	8-16	1	615.7895		0	157.8947
Pu	1500-1700	8-16	2	615.7895		0	157.8947
Pu	1500-1700	8-16	5	892.2368		0	157.8947
Pu	1500-1700	8-16	6	935.3684		0	157.8947
Pu	1500-1700	16-26	1	94.5		0	0
Pu	1500-1700	16-26	2	94.5		0	0
Pu	1500-1700	GT26	1	94.5		0	0
Pu	1500-1700	GT26	2	94.5		0	0
Pu	1700-2000	0-8	1	615.7895		0	157.8947
Pu	1700-2000	0-8	2	615.7895		0	157.8947
Pu	1700-2000	0-8	5	892.2368		0	157.8947
Pu	1700-2000	0-8	6	935.3684		0	157.8947
Pu	1700-2000	8-16	1	615.7895		0	157.8947
Pu	1700-2000	8-16	2	615.7895		0	157.8947
Pu	1700-2000	8-16	5	892.2368		0	157.8947
Pu	1700-2000	8-16	6	935.3684		0	157.8947
Pu	1700-2000	16-26	1	94.5		0	0
Pu	1700-2000	16-26	2	94.5		0	0
Pu	1700-2000	GT26	1	94.5		0	0
Pu	1700-2000	GT26	2	94.5		0	0
Pu	LT1500	0-8	1	615.7895		0	157.8947
Pu	LT1500	0-8	2	615.7895		0	157.8947
Pu	LT1500	0-8	5	892.2368		0	157.8947
Pu	LT1500	0-8	6	935.3684		0	157.8947
Pu	LT1500	8-16	1	615.7895		0	157.8947
Pu	LT1500	8-16	2	615.7895		0	157.8947

soil	rain	slope	mods	efc	effc	efpf	efr
Pu	LT1500	8-16	5	892.2368		0	0 157.8947
Pu	LT1500	8-16	6	935.3684		0	0 157.8947
Pu	GT2000	0-8	1	615.7895		0	0 157.8947
Pu	GT2000	0-8	2	615.7895		0	0 157.8947
Pu	GT2000	0-8	5	892.2368		0	0 157.8947
Pu	GT2000	0-8	6	935.3684		0	0 157.8947
Pu	GT2000	8-16	1	615.7895		0	0 157.8947
Pu	GT2000	8-16	2	615.7895		0	0 157.8947
Pu	GT2000	8-16	5	892.2368		0	0 157.8947
Pu	GT2000	8-16	6	935.3684		0	0 157.8947
Pu	GT2000	16-26	1	94.5		0	0 0
Pu	GT2000	16-26	2	94.5		0	0 0
Pu	GT2000	GT26	1	94.5		0	0 0
Pu	GT2000	GT26	2	94.5		0	0 0
Re	1500-1700	0-8	1	342.5263		0	0 157.8947
Re	1500-1700	0-8	2	342.5263		0	0 157.8947
Re	1500-1700	0-8	6	342.5263		0	0 157.8947
Re	1500-1700	8-16	1	66.31579		0	0 0
Re	1500-1700	8-16	2	66.31579		0	0 0
Re	1500-1700	16-26	1	66.31579		0	0 0
Re	1500-1700	16-26	2	66.31579		0	0 0
Re	1500-1700	GT26	1	66.31579		0	0 0
Re	1500-1700	GT26	2	66.31579		0	0 0
Re	LT1500	0-8	1	342.5263		0	0 157.8947
Re	LT1500	0-8	2	342.5263		0	0 157.8947
Re	LT1500	0-8	6	342.5263		0	0 157.8947
Re	LT1500	8-16	1	66.31579		0	0 0
Re	LT1500	8-16	2	66.31579		0	0 0
Re	LT1500	16-26	1	66.31579		0	0 0
Re	LT1500	16-26	2	66.31579		0	0 0
other	1500-1700	0-8	1	406.3421		0	0 0
other	1500-1700	0-8	2	406.3421		0	0 0
other	1500-1700	0-8	5	724.6579		0	0 0
other	1500-1700	0-8	6	583.8684		0	0 0
other	1700-2000	0-8	1	406.3421		0	0 0
other	1700-2000	0-8	2	406.3421		0	0 0
other	1700-2000	0-8	5	724.6579		0	0 0
other	1700-2000	0-8	6	583.8684		0	0 0
other	1700-2000	8-16	1	406.3421		0	0 0
other	1700-2000	8-16	2	406.3421		0	0 0
other	1700-2000	8-16	5	724.6579		0	0 0
other	1700-2000	8-16	6	583.8684		0	0 0
other	LT1500	0-8	1	406.3421		0	0 0
other	LT1500	0-8	2	406.3421		0	0 0
other	LT1500	0-8	5	724.6579		0	0 0
other	LT1500	0-8	6	583.8684		0	0 0
other	GT2000	0-8	1	483.2368		0	0 0
other	GT2000	0-8	2	360.7632		0	0 0
other	GT2000	8-16	1	483.2368		0	0 0

soil	rain	slope	mods	efc	effc	efpf	efr
other	GT2000	8-16	2	360.7632	0	0	0
other	GT2000	16-26	1	94.5	0	0	0
other	GT2000	16-26	2	94.5	0	0	0

soil	rain	slope	mods	efg	effnl	efn	efl
Al	1500-1700	0-8	1	0	185.2632	112.2105	18.52632
Al	1500-1700	0-8	2	0	173.2368	0	17.31579
Al	1500-1700	0-8	5	0	150.6316	0	15.05263
Al	1500-1700	0-8	6	0	107.7368	0	10.76316
Al	1500-1700	8-16	1	0	185.2632	112.2105	18.52632
Al	1500-1700	8-16	2	0	173.2368	0	17.31579
Al	1500-1700	8-16	5	0	150.6316	0	15.05263
Al	1500-1700	8-16	6	0	107.7368	0	10.76316
Al	1500-1700	16-26	1	0	139.5263	18.02632	13.94737
Al	1500-1700	16-26	2	0	139.5263	0	13.94737
Al	1500-1700	GT26	1	0	139.5263	18.02632	13.94737
Al	1500-1700	GT26	2	0	139.5263	0	13.94737
Al	1700-2000	0-8	1	0	185.2632	112.2105	18.52632
Al	1700-2000	0-8	2	0	173.2368	0	17.31579
Al	1700-2000	0-8	5	0	150.6316	0	15.05263
Al	1700-2000	0-8	6	0	107.7368	0	10.76316
Al	1700-2000	8-16	1	0	185.2632	112.2105	18.52632
Al	1700-2000	8-16	2	0	173.2368	0	17.31579
Al	1700-2000	8-16	5	0	150.6316	0	15.05263
Al	1700-2000	8-16	6	0	107.7368	0	10.76316
Al	1700-2000	16-26	1	0	139.5263	18.02632	13.94737
Al	1700-2000	16-26	2	0	139.5263	0	13.94737
Al	1700-2000	GT26	1	0	139.5263	18.02632	13.94737
Al	1700-2000	GT26	2	0	139.5263	0	13.94737
Al	GT2000	0-8	1	0	185.2632	112.2105	18.52632
Al	GT2000	0-8	2	0	173.2368	0	17.31579
Al	GT2000	0-8	5	0	150.6316	0	15.05263
Al	GT2000	0-8	6	0	107.7368	0	10.76316
Al	GT2000	8-16	1	0	185.2632	112.2105	18.52632
Al	GT2000	8-16	2	0	173.2368	0	17.31579
Al	GT2000	8-16	5	0	150.6316	0	15.05263
Al	GT2000	8-16	6	0	107.7368	0	10.76316
Al	GT2000	16-26	1	0	139.5263	18.02632	13.94737
Al	GT2000	16-26	2	0	139.5263	0	13.94737
Al	GT2000	GT26	1	0	139.5263	18.02632	13.94737
Al	GT2000	GT26	2	0	139.5263	0	13.94737
Po	1500-1700	0-8	1	0	214.2632	54.28947	21.42105
Po	1500-1700	0-8	2	0	203.0263	0	20.28947
Po	1500-1700	0-8	5	0	179.8421	0	17.97368
Po	1500-1700	0-8	6	0	203.5263	0	20.34211
Po	1500-1700	8-16	1	0	214.2632	54.28947	21.42105
Po	1500-1700	8-16	2	0	203.0263	0	20.28947
Po	1500-1700	8-16	5	0	179.8421	0	17.97368
Po	1500-1700	8-16	6	0	203.5263	0	20.34211
Po	1500-1700	16-26	1	0	195.6053	165.8158	19.55263
Po	1500-1700	16-26	2	0	160.3947	0	16.05263
Po	1500-1700	GT26	1	0	195.6053	165.8158	19.55263
Po	1500-1700	GT26	2	0	160.3947	0	16.05263
Po	1700-2000	0-8	1	0	214.2632	54.28947	21.42105

soil	rain	slope	mods	efg	effnl	efn	efl
Po	1700-2000	0-8	2	0	203.0263	0	20.28947
Po	1700-2000	0-8	5	0	179.8421	0	17.97368
Po	1700-2000	0-8	6	0	203.5263	0	20.34211
Po	1700-2000	8-16	1	0	214.2632	54.28947	21.42105
Po	1700-2000	8-16	2	0	203.0263	0	20.28947
Po	1700-2000	8-16	5	0	179.8421	0	17.97368
Po	1700-2000	8-16	6	0	203.5263	0	20.34211
Po	1700-2000	16-26	1	0	195.6053	165.8158	19.55263
Po	1700-2000	16-26	2	0	160.3947	0	16.05263
Po	1700-2000	GT26	1	0	195.6053	165.8158	19.55263
Po	1700-2000	GT26	2	0	160.3947	0	16.05263
Po	GT2000	0-8	1	0	242.6842	72.39474	24.26316
Po	GT2000	0-8	2	0	242.6842	0	24.26316
Po	GT2000	8-16	1	0	242.6842	72.39474	24.26316
Po	GT2000	8-16	2	0	242.6842	0	24.26316
Po	GT2000	16-26	1	0	187.2895	82.92105	18.73684
Po	GT2000	16-26	2	0	164.8158	0	16.47368
Po	GT2000	GT26	1	0	187.2895	82.92105	18.73684
Po	GT2000	GT26	2	0	164.8158	0	16.47368
Pu	1500-1700	0-8	1	0	197.2895	112.2105	19.73684
Pu	1500-1700	0-8	2	0	185.2632	0	18.52632
Pu	1500-1700	0-8	5	0	160.3947	0	16.02632
Pu	1500-1700	0-8	6	0	138.5263	0	13.84211
Pu	1500-1700	8-16	1	0	197.2895	112.2105	19.73684
Pu	1500-1700	8-16	2	0	185.2632	0	18.52632
Pu	1500-1700	8-16	5	0	160.3947	0	16.02632
Pu	1500-1700	8-16	6	0	138.5263	0	13.84211
Pu	1500-1700	16-26	1	0	154.4737	18.02632	15.44737
Pu	1500-1700	16-26	2	0	150.1579	0	15.02632
Pu	1500-1700	GT26	1	0	154.4737	18.02632	15.44737
Pu	1500-1700	GT26	2	0	150.1579	0	15.02632
Pu	1700-2000	0-8	1	0	197.2895	112.2105	19.73684
Pu	1700-2000	0-8	2	0	185.2632	0	18.52632
Pu	1700-2000	0-8	5	0	160.3947	0	16.02632
Pu	1700-2000	0-8	6	0	138.5263	0	13.84211
Pu	1700-2000	8-16	1	0	197.2895	112.2105	19.73684
Pu	1700-2000	8-16	2	0	185.2632	0	18.52632
Pu	1700-2000	8-16	5	0	160.3947	0	16.02632
Pu	1700-2000	8-16	6	0	138.5263	0	13.84211
Pu	1700-2000	16-26	1	0	154.4737	18.02632	15.44737
Pu	1700-2000	16-26	2	0	150.1579	0	15.02632
Pu	1700-2000	GT26	1	0	154.4737	18.02632	15.44737
Pu	1700-2000	GT26	2	0	150.1579	0	15.02632
Pu	LT1500	0-8	1	0	197.2895	112.2105	19.73684
Pu	LT1500	0-8	2	0	185.2632	0	18.52632
Pu	LT1500	0-8	5	0	160.3947	0	16.02632
Pu	LT1500	0-8	6	0	138.5263	0	13.84211
Pu	LT1500	8-16	1	0	197.2895	112.2105	19.73684
Pu	LT1500	8-16	2	0	185.2632	0	18.52632

soil	rain	slope	mods	efg	effnl	efn	efl
Pu	LT1500	8-16	5	0	160.3947	0	16.02632
Pu	LT1500	8-16	6	0	138.5263	0	13.84211
Pu	GT2000	0-8	1	0	197.2895	112.2105	19.73684
Pu	GT2000	0-8	2	0	185.2632	0	18.52632
Pu	GT2000	0-8	5	0	160.3947	0	16.02632
Pu	GT2000	0-8	6	0	138.5263	0	13.84211
Pu	GT2000	8-16	1	0	197.2895	112.2105	19.73684
Pu	GT2000	8-16	2	0	185.2632	0	18.52632
Pu	GT2000	8-16	5	0	160.3947	0	16.02632
Pu	GT2000	8-16	6	0	138.5263	0	13.84211
Pu	GT2000	16-26	1	0	154.4737	18.02632	15.44737
Pu	GT2000	16-26	2	0	150.1579	0	15.02632
Pu	GT2000	GT26	1	0	154.4737	18.02632	15.44737
Pu	GT2000	GT26	2	0	150.1579	0	15.02632
Re	1500-1700	0-8	1	0	155.4211	144.7895	15.55263
Re	1500-1700	0-8	2	0	140.2368	0	14.02632
Re	1500-1700	0-8	6	0	121.0263	0	12.10526
Re	1500-1700	8-16	1	0	116.5526	18.10526	11.65789
Re	1500-1700	8-16	2	0	112.6579	0	11.26316
Re	1500-1700	16-26	1	0	116.5526	18.10526	11.65789
Re	1500-1700	16-26	2	0	112.6579	0	11.26316
Re	1500-1700	GT26	1	0	116.5526	18.10526	11.65789
Re	1500-1700	GT26	2	0	112.6579	0	11.26316
Re	LT1500	0-8	1	0	155.4211	144.7895	15.55263
Re	LT1500	0-8	2	0	140.2368	0	14.02632
Re	LT1500	0-8	6	0	121.0263	0	12.10526
Re	LT1500	8-16	1	0	116.5526	18.10526	11.65789
Re	LT1500	8-16	2	0	112.6579	0	11.26316
Re	LT1500	16-26	1	0	116.5526	18.10526	11.65789
Re	LT1500	16-26	2	0	112.6579	0	11.26316
other	1500-1700	0-8	1	0	214.2632	54.28947	21.42105
other	1500-1700	0-8	2	0	203.0263	0	20.28947
other	1500-1700	0-8	5	0	179.8421	0	17.97368
other	1500-1700	0-8	6	0	203.5263	0	20.34211
other	1700-2000	0-8	1	0	214.2632	54.28947	21.42105
other	1700-2000	0-8	2	0	203.0263	0	20.28947
other	1700-2000	0-8	5	0	179.8421	0	17.97368
other	1700-2000	0-8	6	0	203.5263	0	20.34211
other	1700-2000	8-16	1	0	214.2632	54.28947	21.42105
other	1700-2000	8-16	2	0	203.0263	0	20.28947
other	1700-2000	8-16	5	0	179.8421	0	17.97368
other	1700-2000	8-16	6	0	203.5263	0	20.34211
other	LT1500	0-8	1	0	214.2632	54.28947	21.42105
other	LT1500	0-8	2	0	203.0263	0	20.28947
other	LT1500	0-8	5	0	179.8421	0	17.97368
other	LT1500	0-8	6	0	203.5263	0	20.34211
other	GT2000	0-8	1	0	242.6842	72.39474	24.26316
other	GT2000	0-8	2	0	242.6842	0	24.26316
other	GT2000	8-16	1	0	242.6842	72.39474	24.26316

soil	rain	slope	mods	efg	effnl	efn	efl
other	GT2000	8-16	2		0 242.6842	0	24.26316
other	GT2000	16-26	1		0 187.2895	82.92105	18.73684
other	GT2000	16-26	2		0 164.8158	0	16.47368

soil	rain	slope	mods	eowpc	eove	eof	eor&m	
Al	1500-1700	0-8	1	16.68421		37	38	75
Al	1500-1700	0-8	2	15.57895		37	38	75
Al	1500-1700	0-8	5	13.55263		37	38	75
Al	1500-1700	0-8	6	9.684211		37	38	75
Al	1500-1700	8-16	1	16.68421		37	38	75
Al	1500-1700	8-16	2	15.57895		37	38	75
Al	1500-1700	8-16	5	13.55263		37	38	75
Al	1500-1700	8-16	6	9.684211		37	38	75
Al	1500-1700	16-26	1	12.55263		37	38	75
Al	1500-1700	16-26	2	12.55263		37	38	75
Al	1500-1700	GT26	1	12.55263		37	38	75
Al	1500-1700	GT26	2	12.55263		37	38	75
Al	1700-2000	0-8	1	16.68421		37	38	75
Al	1700-2000	0-8	2	15.57895		37	38	75
Al	1700-2000	0-8	5	13.55263		37	38	75
Al	1700-2000	0-8	6	9.684211		37	38	75
Al	1700-2000	8-16	1	16.68421		37	38	75
Al	1700-2000	8-16	2	15.57895		37	38	75
Al	1700-2000	8-16	5	13.55263		37	38	75
Al	1700-2000	8-16	6	9.684211		37	38	75
Al	1700-2000	16-26	1	12.55263		37	38	75
Al	1700-2000	16-26	2	12.55263		37	38	75
Al	1700-2000	GT26	1	12.55263		37	38	75
Al	1700-2000	GT26	2	12.55263		37	38	75
Al	GT2000	0-8	1	16.68421		37	38	75
Al	GT2000	0-8	2	15.57895		37	38	75
Al	GT2000	0-8	5	13.55263		37	38	75
Al	GT2000	0-8	6	9.684211		37	38	75
Al	GT2000	8-16	1	16.68421		37	38	75
Al	GT2000	8-16	2	15.57895		37	38	75
Al	GT2000	8-16	5	13.55263		37	38	75
Al	GT2000	8-16	6	9.684211		37	38	75
Al	GT2000	16-26	1	12.55263		37	38	75
Al	GT2000	16-26	2	12.55263		37	38	75
Al	GT2000	GT26	1	12.55263		37	38	75
Al	GT2000	GT26	2	12.55263		37	38	75
Po	1500-1700	0-8	1	19.28947		37	38	75
Po	1500-1700	0-8	2	18.26316		37	38	75
Po	1500-1700	0-8	5	16.18421		37	38	75
Po	1500-1700	0-8	6	18.31579		37	38	75
Po	1500-1700	8-16	1	19.28947		37	38	75
Po	1500-1700	8-16	2	18.26316		37	38	75
Po	1500-1700	8-16	5	16.18421		37	38	75
Po	1500-1700	8-16	6	18.31579		37	38	75
Po	1500-1700	16-26	1	17.60526		37	38	75
Po	1500-1700	16-26	2	14.44737		37	38	75
Po	1500-1700	GT26	1	17.60526		37	38	75
Po	1500-1700	GT26	2	14.44737		37	38	75
Po	1700-2000	0-8	1	19.28947		37	38	75

soil	rain	slope	mods	eowpc	eove	eof	eor&m	
Po	1700-2000	0-8	2	18.26316		37	38	75
Po	1700-2000	0-8	5	16.18421		37	38	75
Po	1700-2000	0-8	6	18.31579		37	38	75
Po	1700-2000	8-16	1	19.28947		37	38	75
Po	1700-2000	8-16	2	18.26316		37	38	75
Po	1700-2000	8-16	5	16.18421		37	38	75
Po	1700-2000	8-16	6	18.31579		37	38	75
Po	1700-2000	16-26	1	17.60526		37	38	75
Po	1700-2000	16-26	2	14.44737		37	38	75
Po	1700-2000	GT26	1	17.60526		37	38	75
Po	1700-2000	GT26	2	14.44737		37	38	75
Po	GT2000	0-8	1	21.84211		37	38	75
Po	GT2000	0-8	2	21.84211		37	38	75
Po	GT2000	8-16	1	21.84211		37	38	75
Po	GT2000	8-16	2	21.84211		37	38	75
Po	GT2000	16-26	1	16.86842		37	38	75
Po	GT2000	16-26	2	14.84211		37	38	75
Po	GT2000	GT26	1	16.86842		37	38	75
Po	GT2000	GT26	2	14.84211		37	38	75
Pu	1500-1700	0-8	1	17.76316		37	38	75
Pu	1500-1700	0-8	2	16.68421		37	38	75
Pu	1500-1700	0-8	5	14.44737		37	38	75
Pu	1500-1700	0-8	6	12.47368		37	38	75
Pu	1500-1700	8-16	1	17.76316		37	38	75
Pu	1500-1700	8-16	2	16.68421		37	38	75
Pu	1500-1700	8-16	5	14.44737		37	38	75
Pu	1500-1700	8-16	6	12.47368		37	38	75
Pu	1500-1700	16-26	1	13.89474		37	38	75
Pu	1500-1700	16-26	2	13.52632		37	38	75
Pu	1500-1700	GT26	1	13.89474		37	38	75
Pu	1500-1700	GT26	2	13.52632		37	38	75
Pu	1700-2000	0-8	1	17.76316		37	38	75
Pu	1700-2000	0-8	2	16.68421		37	38	75
Pu	1700-2000	0-8	5	14.44737		37	38	75
Pu	1700-2000	0-8	6	12.47368		37	38	75
Pu	1700-2000	8-16	1	17.76316		37	38	75
Pu	1700-2000	8-16	2	16.68421		37	38	75
Pu	1700-2000	8-16	5	14.44737		37	38	75
Pu	1700-2000	8-16	6	12.47368		37	38	75
Pu	1700-2000	16-26	1	13.89474		37	38	75
Pu	1700-2000	16-26	2	13.52632		37	38	75
Pu	1700-2000	GT26	1	13.89474		37	38	75
Pu	1700-2000	GT26	2	13.52632		37	38	75
Pu	LT1500	0-8	1	17.76316		37	38	75
Pu	LT1500	0-8	2	16.68421		37	38	75
Pu	LT1500	0-8	5	14.44737		37	38	75
Pu	LT1500	0-8	6	12.47368		37	38	75
Pu	LT1500	8-16	1	17.76316		37	38	75
Pu	LT1500	8-16	2	16.68421		37	38	75

soil	rain	slope	mods	eowpc	eove	eof	eor&m	
Pu	LT1500	8-16	5	14.44737		37	38	75
Pu	LT1500	8-16	6	12.47368		37	38	75
Pu	GT2000	0-8	1	17.76316		37	38	75
Pu	GT2000	0-8	2	16.68421		37	38	75
Pu	GT2000	0-8	5	14.44737		37	38	75
Pu	GT2000	0-8	6	12.47368		37	38	75
Pu	GT2000	8-16	1	17.76316		37	38	75
Pu	GT2000	8-16	2	16.68421		37	38	75
Pu	GT2000	8-16	5	14.44737		37	38	75
Pu	GT2000	8-16	6	12.47368		37	38	75
Pu	GT2000	16-26	1	13.89474		37	38	75
Pu	GT2000	16-26	2	13.52632		37	38	75
Pu	GT2000	GT26	1	13.89474		37	38	75
Pu	GT2000	GT26	2	13.52632		37	38	75
Re	1500-1700	0-8	1	14		37	38	75
Re	1500-1700	0-8	2	12.63158		37	38	75
Re	1500-1700	0-8	6	10.89474		37	38	75
Re	1500-1700	8-16	1	10.5		37	38	75
Re	1500-1700	8-16	2	10.13158		37	38	75
Re	1500-1700	16-26	1	10.5		37	38	75
Re	1500-1700	16-26	2	10.13158		37	38	75
Re	1500-1700	GT26	1	10.5		37	38	75
Re	1500-1700	GT26	2	10.13158		37	38	75
Re	LT1500	0-8	1	14		37	38	75
Re	LT1500	0-8	2	12.63158		37	38	75
Re	LT1500	0-8	6	10.89474		37	38	75
Re	LT1500	8-16	1	10.5		37	38	75
Re	LT1500	8-16	2	10.13158		37	38	75
Re	LT1500	16-26	1	10.5		37	38	75
Re	LT1500	16-26	2	10.13158		37	38	75
other	1500-1700	0-8	1	19.28947		37	38	75
other	1500-1700	0-8	2	18.26316		37	38	75
other	1500-1700	0-8	5	16.18421		37	38	75
other	1500-1700	0-8	6	18.31579		37	38	75
other	1700-2000	0-8	1	19.28947		37	38	75
other	1700-2000	0-8	2	18.26316		37	38	75
other	1700-2000	0-8	5	16.18421		37	38	75
other	1700-2000	0-8	6	18.31579		37	38	75
other	1700-2000	8-16	1	19.28947		37	38	75
other	1700-2000	8-16	2	18.26316		37	38	75
other	1700-2000	8-16	5	16.18421		37	38	75
other	1700-2000	8-16	6	18.31579		37	38	75
other	LT1500	0-8	1	19.28947		37	38	75
other	LT1500	0-8	2	18.26316		37	38	75
other	LT1500	0-8	5	16.18421		37	38	75
other	LT1500	0-8	6	18.31579		37	38	75
other	GT2000	0-8	1	21.84211		37	38	75
other	GT2000	0-8	2	21.84211		37	38	75
other	GT2000	8-16	1	21.84211		37	38	75

soil	rain	slope	mods	eowpc	eove	eof	eor&m
other	GT2000	8-16	2	21.84211	37	38	75
other	GT2000	16-26	1	16.86842	37	38	75
other	GT2000	16-26	2	14.84211	37	38	75

soil	rain	slope	mods	eofc	eo	eo	esae
Al	1500-1700	0-8	1	22.78947	14.97368	8.552632	34
Al	1500-1700	0-8	2	21.31579	14	8	34
Al	1500-1700	0-8	5	18.52632	12.15789	6.947368	34
Al	1500-1700	0-8	6	13.26316	8.710526	4.973684	34
Al	1500-1700	8-16	1	22.78947	14.97368	8.552632	34
Al	1500-1700	8-16	2	21.31579	14	8	34
Al	1500-1700	8-16	5	18.52632	12.15789	6.947368	34
Al	1500-1700	8-16	6	13.26316	8.710526	4.973684	34
Al	1500-1700	16-26	1	17.18421	11.26316	6.447368	34
Al	1500-1700	16-26	2	17.18421	11.26316	6.447368	34
Al	1500-1700	GT26	1	17.18421	11.26316	6.447368	34
Al	1500-1700	GT26	2	17.18421	11.26316	6.447368	34
Al	1700-2000	0-8	1	22.78947	14.97368	8.552632	34
Al	1700-2000	0-8	2	21.31579	14	8	34
Al	1700-2000	0-8	5	18.52632	12.15789	6.947368	34
Al	1700-2000	0-8	6	13.26316	8.710526	4.973684	34
Al	1700-2000	8-16	1	22.78947	14.97368	8.552632	34
Al	1700-2000	8-16	2	21.31579	14	8	34
Al	1700-2000	8-16	5	18.52632	12.15789	6.947368	34
Al	1700-2000	8-16	6	13.26316	8.710526	4.973684	34
Al	1700-2000	16-26	1	17.18421	11.26316	6.447368	34
Al	1700-2000	16-26	2	17.18421	11.26316	6.447368	34
Al	1700-2000	GT26	1	17.18421	11.26316	6.447368	34
Al	1700-2000	GT26	2	17.18421	11.26316	6.447368	34
Al	GT2000	0-8	1	22.78947	14.97368	8.552632	34
Al	GT2000	0-8	2	21.31579	14	8	34
Al	GT2000	0-8	5	18.52632	12.15789	6.947368	34
Al	GT2000	0-8	6	13.26316	8.710526	4.973684	34
Al	GT2000	8-16	1	22.78947	14.97368	8.552632	34
Al	GT2000	8-16	2	21.31579	14	8	34
Al	GT2000	8-16	5	18.52632	12.15789	6.947368	34
Al	GT2000	8-16	6	13.26316	8.710526	4.973684	34
Al	GT2000	16-26	1	17.18421	11.26316	6.447368	34
Al	GT2000	16-26	2	17.18421	11.26316	6.447368	34
Al	GT2000	GT26	1	17.18421	11.26316	6.447368	34
Al	GT2000	GT26	2	17.18421	11.26316	6.447368	34
Po	1500-1700	0-8	1	26.36842	17.31579	9.894737	34
Po	1500-1700	0-8	2	24.97368	16.39474	9.368421	34
Po	1500-1700	0-8	5	22.13158	14.52632	8.289474	34
Po	1500-1700	0-8	6	25.05263	16.44737	9.394737	34
Po	1500-1700	8-16	1	26.36842	17.31579	9.894737	34
Po	1500-1700	8-16	2	24.97368	16.39474	9.368421	34
Po	1500-1700	8-16	5	22.13158	14.52632	8.289474	34
Po	1500-1700	8-16	6	25.05263	16.44737	9.394737	34
Po	1500-1700	16-26	1	24.07895	15.78947	9.026316	34
Po	1500-1700	16-26	2	19.73684	12.94737	7.394737	34
Po	1500-1700	GT26	1	24.07895	15.78947	9.026316	34
Po	1500-1700	GT26	2	19.73684	12.94737	7.394737	34
Po	1700-2000	0-8	1	26.36842	17.31579	9.894737	34

soil	rain	slope	mods	eofc	eo	eo	esae
Po	1700-2000	0-8	2	24.97368	16.39474	9.368421	34
Po	1700-2000	0-8	5	22.13158	14.52632	8.289474	34
Po	1700-2000	0-8	6	25.05263	16.44737	9.394737	34
Po	1700-2000	8-16	1	26.36842	17.31579	9.894737	34
Po	1700-2000	8-16	2	24.97368	16.39474	9.368421	34
Po	1700-2000	8-16	5	22.13158	14.52632	8.289474	34
Po	1700-2000	8-16	6	25.05263	16.44737	9.394737	34
Po	1700-2000	16-26	1	24.07895	15.78947	9.026316	34
Po	1700-2000	16-26	2	19.73684	12.94737	7.394737	34
Po	1700-2000	GT26	1	24.07895	15.78947	9.026316	34
Po	1700-2000	GT26	2	19.73684	12.94737	7.394737	34
Po	GT2000	0-8	1	29.86842	19.60526	11.21053	34
Po	GT2000	0-8	2	29.86842	19.60526	11.21053	34
Po	GT2000	8-16	1	29.86842	19.60526	11.21053	34
Po	GT2000	8-16	2	29.86842	19.60526	11.21053	34
Po	GT2000	16-26	1	23.05263	15.13158	8.631579	34
Po	GT2000	16-26	2	20.28947	13.31579	7.605263	34
Po	GT2000	GT26	1	23.05263	15.13158	8.631579	34
Po	GT2000	GT26	2	20.28947	13.31579	7.605263	34
Pu	1500-1700	0-8	1	24.28947	15.92105	9.105263	34
Pu	1500-1700	0-8	2	22.78947	14.97368	8.552632	34
Pu	1500-1700	0-8	5	19.73684	12.94737	7.394737	34
Pu	1500-1700	0-8	6	17.05263	11.18421	6.394737	34
Pu	1500-1700	8-16	1	24.28947	15.92105	9.105263	34
Pu	1500-1700	8-16	2	22.78947	14.97368	8.552632	34
Pu	1500-1700	8-16	5	19.73684	12.94737	7.394737	34
Pu	1500-1700	8-16	6	17.05263	11.18421	6.394737	34
Pu	1500-1700	16-26	1	19.02632	12.47368	7.131579	34
Pu	1500-1700	16-26	2	18.47368	12.13158	6.921053	34
Pu	1500-1700	GT26	1	19.02632	12.47368	7.131579	34
Pu	1500-1700	GT26	2	18.47368	12.13158	6.921053	34
Pu	1700-2000	0-8	1	24.28947	15.92105	9.105263	34
Pu	1700-2000	0-8	2	22.78947	14.97368	8.552632	34
Pu	1700-2000	0-8	5	19.73684	12.94737	7.394737	34
Pu	1700-2000	0-8	6	17.05263	11.18421	6.394737	34
Pu	1700-2000	8-16	1	24.28947	15.92105	9.105263	34
Pu	1700-2000	8-16	2	22.78947	14.97368	8.552632	34
Pu	1700-2000	8-16	5	19.73684	12.94737	7.394737	34
Pu	1700-2000	8-16	6	17.05263	11.18421	6.394737	34
Pu	1700-2000	16-26	1	19.02632	12.47368	7.131579	34
Pu	1700-2000	16-26	2	18.47368	12.13158	6.921053	34
Pu	1700-2000	GT26	1	19.02632	12.47368	7.131579	34
Pu	1700-2000	GT26	2	18.47368	12.13158	6.921053	34
Pu	LT1500	0-8	1	24.28947	15.92105	9.105263	34
Pu	LT1500	0-8	2	22.78947	14.97368	8.552632	34
Pu	LT1500	0-8	5	19.73684	12.94737	7.394737	34
Pu	LT1500	0-8	6	17.05263	11.18421	6.394737	34
Pu	LT1500	8-16	1	24.28947	15.92105	9.105263	34
Pu	LT1500	8-16	2	22.78947	14.97368	8.552632	34

soil	rain	slope	mods	eofc	eo	eo	esae
Pu	LT1500	8-16	5	19.73684	12.94737	7.394737	34
Pu	LT1500	8-16	6	17.05263	11.18421	6.394737	34
Pu	GT2000	0-8	1	24.28947	15.92105	9.105263	34
Pu	GT2000	0-8	2	22.78947	14.97368	8.552632	34
Pu	GT2000	0-8	5	19.73684	12.94737	7.394737	34
Pu	GT2000	0-8	6	17.05263	11.18421	6.394737	34
Pu	GT2000	8-16	1	24.28947	15.92105	9.105263	34
Pu	GT2000	8-16	2	22.78947	14.97368	8.552632	34
Pu	GT2000	8-16	5	19.73684	12.94737	7.394737	34
Pu	GT2000	8-16	6	17.05263	11.18421	6.394737	34
Pu	GT2000	16-26	1	19.02632	12.47368	7.131579	34
Pu	GT2000	16-26	2	18.47368	12.13158	6.921053	34
Pu	GT2000	GT26	1	19.02632	12.47368	7.131579	34
Pu	GT2000	GT26	2	18.47368	12.13158	6.921053	34
Re	1500-1700	0-8	1	19.13158	12.55263	7.184211	34
Re	1500-1700	0-8	2	17.26316	11.31579	6.473684	34
Re	1500-1700	0-8	6	14.89474	9.763158	5.578947	34
Re	1500-1700	8-16	1	14.34211	9.421053	5.368421	34
Re	1500-1700	8-16	2	13.86842	9.105263	5.210526	34
Re	1500-1700	16-26	1	14.34211	9.421053	5.368421	34
Re	1500-1700	16-26	2	13.86842	9.105263	5.210526	34
Re	1500-1700	GT26	1	14.34211	9.421053	5.368421	34
Re	1500-1700	GT26	2	13.86842	9.105263	5.210526	34
Re	LT1500	0-8	1	19.13158	12.55263	7.184211	34
Re	LT1500	0-8	2	17.26316	11.31579	6.473684	34
Re	LT1500	0-8	6	14.89474	9.763158	5.578947	34
Re	LT1500	8-16	1	14.34211	9.421053	5.368421	34
Re	LT1500	8-16	2	13.86842	9.105263	5.210526	34
Re	LT1500	16-26	1	14.34211	9.421053	5.368421	34
Re	LT1500	16-26	2	13.86842	9.105263	5.210526	34
other	1500-1700	0-8	1	26.36842	17.31579	9.894737	34
other	1500-1700	0-8	2	24.97368	16.39474	9.368421	34
other	1500-1700	0-8	5	22.13158	14.52632	8.289474	34
other	1500-1700	0-8	6	25.05263	16.44737	9.394737	34
other	1700-2000	0-8	1	26.36842	17.31579	9.894737	34
other	1700-2000	0-8	2	24.97368	16.39474	9.368421	34
other	1700-2000	0-8	5	22.13158	14.52632	8.289474	34
other	1700-2000	0-8	6	25.05263	16.44737	9.394737	34
other	1700-2000	8-16	1	26.36842	17.31579	9.894737	34
other	1700-2000	8-16	2	24.97368	16.39474	9.368421	34
other	1700-2000	8-16	5	22.13158	14.52632	8.289474	34
other	1700-2000	8-16	6	25.05263	16.44737	9.394737	34
other	LT1500	0-8	1	26.36842	17.31579	9.894737	34
other	LT1500	0-8	2	24.97368	16.39474	9.368421	34
other	LT1500	0-8	5	22.13158	14.52632	8.289474	34
other	LT1500	0-8	6	25.05263	16.44737	9.394737	34
other	GT2000	0-8	1	29.86842	19.60526	11.21053	34
other	GT2000	0-8	2	29.86842	19.60526	11.21053	34
other	GT2000	8-16	1	29.86842	19.60526	11.21053	34

soil	rain	slope	mods	eofc	eo	eo	es
other	GT2000	8-16	2	29.86842	19.60526	11.21053	34
other	GT2000	16-26	1	23.05263	15.13158	8.631579	34
other	GT2000	16-26	2	20.28947	13.31579	7.605263	34

soil	rain	slope	mods	esi	esal	esr	ettfwe
Al	1500-1700	0-8	1		18 12.39474	57	1546.132
Al	1500-1700	0-8	2		18 11.60526	53.28947	1394.5
Al	1500-1700	0-8	5		18 10.07895	46.34211	1587.605
Al	1500-1700	0-8	6		18 7.210526	33.15789	1366.816
Al	1500-1700	8-16	1		18 12.39474	57	1546.132
Al	1500-1700	8-16	2		18 11.60526	53.28947	1394.5
Al	1500-1700	8-16	5		18 10.07895	46.34211	1587.605
Al	1500-1700	8-16	6		18 7.210526	33.15789	1366.816
Al	1500-1700	16-26	1		18 9.342105	42.92105	771.6316
Al	1500-1700	16-26	2		18 9.342105	42.92105	753.6053
Al	1500-1700	GT26	1		18 9.342105	42.92105	771.6316
Al	1500-1700	GT26	2		18 9.342105	42.92105	753.6053
Al	1700-2000	0-8	1		18 12.39474	57	1546.132
Al	1700-2000	0-8	2		18 11.60526	53.28947	1394.5
Al	1700-2000	0-8	5		18 10.07895	46.34211	1587.605
Al	1700-2000	0-8	6		18 7.210526	33.15789	1366.816
Al	1700-2000	8-16	1		18 12.39474	57	1546.132
Al	1700-2000	8-16	2		18 11.60526	53.28947	1394.5
Al	1700-2000	8-16	5		18 10.07895	46.34211	1587.605
Al	1700-2000	8-16	6		18 7.210526	33.15789	1366.816
Al	1700-2000	16-26	1		18 9.342105	42.92105	771.6316
Al	1700-2000	16-26	2		18 9.342105	42.92105	753.6053
Al	1700-2000	GT26	1		18 9.342105	42.92105	771.6316
Al	1700-2000	GT26	2		18 9.342105	42.92105	753.6053
Al	GT2000	0-8	1		18 12.39474	57	1546.132
Al	GT2000	0-8	2		18 11.60526	53.28947	1394.5
Al	GT2000	0-8	5		18 10.07895	46.34211	1587.605
Al	GT2000	0-8	6		18 7.210526	33.15789	1366.816
Al	GT2000	8-16	1		18 12.39474	57	1546.132
Al	GT2000	8-16	2		18 11.60526	53.28947	1394.5
Al	GT2000	8-16	5		18 10.07895	46.34211	1587.605
Al	GT2000	8-16	6		18 7.210526	33.15789	1366.816
Al	GT2000	16-26	1		18 9.342105	42.92105	771.6316
Al	GT2000	16-26	2		18 9.342105	42.92105	753.6053
Al	GT2000	GT26	1		18 9.342105	42.92105	771.6316
Al	GT2000	GT26	2		18 9.342105	42.92105	753.6053
Po	1500-1700	0-8	1		18 14.34211	65.92105	1364.605
Po	1500-1700	0-8	2		18 13.57895	62.47368	1273.447
Po	1500-1700	0-8	5		18 12.02632	55.34211	1515.816
Po	1500-1700	0-8	6		18 13.63158	62.63158	1452.605
Po	1500-1700	8-16	1		18 14.34211	65.92105	1364.605
Po	1500-1700	8-16	2		18 13.57895	62.47368	1273.447
Po	1500-1700	8-16	5		18 12.02632	55.34211	1515.816
Po	1500-1700	8-16	6		18 13.63158	62.63158	1452.605
Po	1500-1700	16-26	1		18 13.07895	60.18421	1103.158
Po	1500-1700	16-26	2		18 10.73684	60.18421	832.8158
Po	1500-1700	GT26	1		18 13.07895	60.18421	1103.158
Po	1500-1700	GT26	2		18 10.73684	60.18421	832.8158
Po	1700-2000	0-8	1		18 14.34211	65.92105	1364.605

soil	rain	slope	mods	esi	esal	esr	ettfwe
Po	1700-2000	0-8	2		18 13.57895	62.47368	1273.447
Po	1700-2000	0-8	5		18 12.02632	55.34211	1515.816
Po	1700-2000	0-8	6		18 13.63158	62.63158	1452.605
Po	1700-2000	8-16	1		18 14.34211	65.92105	1364.605
Po	1700-2000	8-16	2		18 13.57895	62.47368	1273.447
Po	1700-2000	8-16	5		18 12.02632	55.34211	1515.816
Po	1700-2000	8-16	6		18 13.63158	62.63158	1452.605
Po	1700-2000	16-26	1		18 13.07895	60.18421	1103.158
Po	1700-2000	16-26	2		18 10.73684	60.18421	832.8158
Po	1700-2000	GT26	1		18 13.07895	60.18421	1103.158
Po	1700-2000	GT26	2		18 10.73684	60.18421	832.8158
Po	GT2000	0-8	1		18 16.23684	74.65789	1552.658
Po	GT2000	0-8	2		18 16.23684	74.65789	1357.789
Po	GT2000	8-16	1		18 16.23684	74.65789	1552.658
Po	GT2000	8-16	2		18 16.23684	74.65789	1357.789
Po	GT2000	16-26	1		18 12.52632	57.63158	993.0263
Po	GT2000	16-26	2		18 11.02632	57.63158	843.3947
Po	GT2000	GT26	1		18 12.52632	57.63158	993.0263
Po	GT2000	GT26	2		18 11.02632	57.63158	843.3947
Pu	1500-1700	0-8	1		18 13.21053	60.71053	1734.211
Pu	1500-1700	0-8	2		18 12.39474	57	1582.605
Pu	1500-1700	0-8	5		18 10.73684	49.34211	1777.579
Pu	1500-1700	0-8	6		18 9.263158	42.63158	1749.105
Pu	1500-1700	8-16	1		18 13.21053	60.71053	1734.211
Pu	1500-1700	8-16	2		18 12.39474	57	1582.605
Pu	1500-1700	8-16	5		18 10.73684	49.34211	1777.579
Pu	1500-1700	8-16	6		18 9.263158	42.63158	1749.105
Pu	1500-1700	16-26	1		18 10.34211	47.52632	820.6316
Pu	1500-1700	16-26	2		18 10.05263	46.21053	788.3947
Pu	1500-1700	GT26	1		18 10.34211	47.52632	820.6316
Pu	1500-1700	GT26	2		18 10.05263	46.21053	788.3947
Pu	1700-2000	0-8	1		18 13.21053	60.71053	1734.211
Pu	1700-2000	0-8	2		18 12.39474	57	1582.605
Pu	1700-2000	0-8	5		18 10.73684	49.34211	1777.579
Pu	1700-2000	0-8	6		18 9.263158	42.63158	1749.105
Pu	1700-2000	8-16	1		18 13.21053	60.71053	1734.211
Pu	1700-2000	8-16	2		18 12.39474	57	1582.605
Pu	1700-2000	8-16	5		18 10.73684	49.34211	1777.579
Pu	1700-2000	8-16	6		18 9.263158	42.63158	1749.105
Pu	1700-2000	16-26	1		18 10.34211	47.52632	820.6316
Pu	1700-2000	16-26	2		18 10.05263	46.21053	788.3947
Pu	1700-2000	GT26	1		18 10.34211	47.52632	820.6316
Pu	1700-2000	GT26	2		18 10.05263	46.21053	788.3947
Pu	LT1500	0-8	1		18 13.21053	60.71053	1734.211
Pu	LT1500	0-8	2		18 12.39474	57	1582.605
Pu	LT1500	0-8	5		18 10.73684	49.34211	1777.579
Pu	LT1500	0-8	6		18 9.263158	42.63158	1749.105
Pu	LT1500	8-16	1		18 13.21053	60.71053	1734.211
Pu	LT1500	8-16	2		18 12.39474	57	1582.605

soil	rain	slope	mods	esi	esal	esr	ettfwe
Pu	LT1500	8-16	5		18 10.73684	49.34211	1777.579
Pu	LT1500	8-16	6		18 9.263158	42.63158	1749.105
Pu	GT2000	0-8	1		18 13.21053	60.71053	1734.211
Pu	GT2000	0-8	2		18 12.39474	57	1582.605
Pu	GT2000	0-8	5		18 10.73684	49.34211	1777.579
Pu	GT2000	0-8	6		18 9.263158	42.63158	1749.105
Pu	GT2000	8-16	1		18 13.21053	60.71053	1734.211
Pu	GT2000	8-16	2		18 12.39474	57	1582.605
Pu	GT2000	8-16	5		18 10.73684	49.34211	1777.579
Pu	GT2000	8-16	6		18 9.263158	42.63158	1749.105
Pu	GT2000	16-26	1		18 10.34211	47.52632	820.6316
Pu	GT2000	16-26	2		18 10.05263	46.21053	788.3947
Pu	GT2000	GT26	1		18 10.34211	47.52632	820.6316
Pu	GT2000	GT26	2		18 10.05263	46.21053	788.3947
Re	1500-1700	0-8	1		18 10.39474	47.81579	1356.395
Re	1500-1700	0-8	2		18 9.394737	43.15789	1161.842
Re	1500-1700	0-8	6		18 8.105263	37.23684	1098.921
Re	1500-1700	8-16	1		18 7.789474	35.86842	668.2368
Re	1500-1700	8-16	2		18 7.552632	34.65789	637.3947
Re	1500-1700	16-26	1		18 7.789474	35.86842	668.2368
Re	1500-1700	16-26	2		18 7.552632	34.65789	637.3947
Re	1500-1700	GT26	1		18 7.789474	35.86842	668.2368
Re	1500-1700	GT26	2		18 7.552632	34.65789	637.3947
Re	LT1500	0-8	1		18 10.39474	47.81579	1356.395
Re	LT1500	0-8	2		18 9.394737	43.15789	1161.842
Re	LT1500	0-8	6		18 8.105263	37.23684	1098.921
Re	LT1500	8-16	1		18 7.789474	35.86842	668.2368
Re	LT1500	8-16	2		18 7.552632	34.65789	637.3947
Re	LT1500	16-26	1		18 7.789474	35.86842	668.2368
Re	LT1500	16-26	2		18 7.552632	34.65789	637.3947
other	1500-1700	0-8	1		18 14.34211	65.92105	1364.605
other	1500-1700	0-8	2		18 13.57895	62.47368	1273.447
other	1500-1700	0-8	5		18 12.02632	55.34211	1515.816
other	1500-1700	0-8	6		18 13.63158	62.63158	1452.605
other	1700-2000	0-8	1		18 14.34211	65.92105	1364.605
other	1700-2000	0-8	2		18 13.57895	62.47368	1273.447
other	1700-2000	0-8	5		18 12.02632	55.34211	1515.816
other	1700-2000	0-8	6		18 13.63158	62.63158	1452.605
other	1700-2000	8-16	1		18 14.34211	65.92105	1364.605
other	1700-2000	8-16	2		18 13.57895	62.47368	1273.447
other	1700-2000	8-16	5		18 12.02632	55.34211	1515.816
other	1700-2000	8-16	6		18 13.63158	62.63158	1452.605
other	LT1500	0-8	1		18 14.34211	65.92105	1364.605
other	LT1500	0-8	2		18 13.57895	62.47368	1273.447
other	LT1500	0-8	5		18 12.02632	55.34211	1515.816
other	LT1500	0-8	6		18 13.63158	62.63158	1452.605
other	GT2000	0-8	1		18 16.23684	74.65789	1552.658
other	GT2000	0-8	2		18 16.23684	74.65789	1357.789
other	GT2000	8-16	1		18 16.23684	74.65789	1552.658

soil	rain	slope	mods	esi	esal	esr	ettfwe
other	GT2000	8-16	2		18 16.23684	74.65789	1357.789
other	GT2000	16-26	1		18 12.52632	57.63158	993.0263
other	GT2000	16-26	2		18 11.02632	57.63158	843.3947

soil	rain	slope	mods	edd	et	clds
Al	1500-1700	0-8	1		70	1616.132 Al1DS
Al	1500-1700	0-8	2		70	1464.5 Al1DS
Al	1500-1700	0-8	5		70	1657.605 Al1DS
Al	1500-1700	0-8	6		70	1436.816 Al1DS
Al	1500-1700	8-16	1		70	1616.132 Al1DS
Al	1500-1700	8-16	2		70	1464.5 Al1DS
Al	1500-1700	8-16	5		70	1657.605 Al1DS
Al	1500-1700	8-16	6		70	1436.816 Al1DS
Al	1500-1700	16-26	1		70	841.6316 Al2DS
Al	1500-1700	16-26	2		70	823.6053 Al2DS
Al	1500-1700	GT26	1		70	841.6316 Al2DS
Al	1500-1700	GT26	2		70	823.6053 Al2DS
Al	1700-2000	0-8	1		70	1616.132 Al1DS
Al	1700-2000	0-8	2		70	1464.5 Al1DS
Al	1700-2000	0-8	5		70	1657.605 Al1DS
Al	1700-2000	0-8	6		70	1436.816 Al1DS
Al	1700-2000	8-16	1		70	1616.132 Al1DS
Al	1700-2000	8-16	2		70	1464.5 Al1DS
Al	1700-2000	8-16	5		70	1657.605 Al1DS
Al	1700-2000	8-16	6		70	1436.816 Al1DS
Al	1700-2000	16-26	1		70	841.6316 Al2DS
Al	1700-2000	16-26	2		70	823.6053 Al2DS
Al	1700-2000	GT26	1		70	841.6316 Al2DS
Al	1700-2000	GT26	2		70	823.6053 Al2DS
Al	GT2000	0-8	1		70	1616.132 Al1DS
Al	GT2000	0-8	2		70	1464.5 Al1DS
Al	GT2000	0-8	5		70	1657.605 Al1DS
Al	GT2000	0-8	6		70	1436.816 Al1DS
Al	GT2000	8-16	1		70	1616.132 Al1DS
Al	GT2000	8-16	2		70	1464.5 Al1DS
Al	GT2000	8-16	5		70	1657.605 Al1DS
Al	GT2000	8-16	6		70	1436.816 Al1DS
Al	GT2000	16-26	1		70	841.6316 Al2DS
Al	GT2000	16-26	2		70	823.6053 Al2DS
Al	GT2000	GT26	1		70	841.6316 Al2DS
Al	GT2000	GT26	2		70	823.6053 Al2DS
Po	1500-1700	0-8	1		70	1434.605 Po1LDS
Po	1500-1700	0-8	2		70	1343.447 Po1LDS
Po	1500-1700	0-8	5		70	1585.816 Po1LDS
Po	1500-1700	0-8	6		70	1522.605 Po1LDS
Po	1500-1700	8-16	1		70	1434.605 Po1LDS
Po	1500-1700	8-16	2		70	1343.447 Po1LDS
Po	1500-1700	8-16	5		70	1585.816 Po1LDS
Po	1500-1700	8-16	6		70	1522.605 Po1LDS
Po	1500-1700	16-26	1		70	1173.158 Po2LDS
Po	1500-1700	16-26	2		70	902.8158 Po2LDS
Po	1500-1700	GT26	1		70	1173.158 Po2LDS
Po	1500-1700	GT26	2		70	902.8158 Po2LDS
Po	1700-2000	0-8	1		70	1434.605 Po1LDS

soil	rain	slope	mods	edd	et	clds
Po	1700-2000	0-8	2		70	1343.447 Po1LDS
Po	1700-2000	0-8	5		70	1585.816 Po1LDS
Po	1700-2000	0-8	6		70	1522.605 Po1LDS
Po	1700-2000	8-16	1		70	1434.605 Po1LDS
Po	1700-2000	8-16	2		70	1343.447 Po1LDS
Po	1700-2000	8-16	5		70	1585.816 Po1LDS
Po	1700-2000	8-16	6		70	1522.605 Po1LDS
Po	1700-2000	16-26	1		70	1173.158 Po2LDS
Po	1700-2000	16-26	2		70	902.8158 Po2LDS
Po	1700-2000	GT26	1		70	1173.158 Po2LDS
Po	1700-2000	GT26	2		70	902.8158 Po2LDS
Po	GT2000	0-8	1		70	1622.658 Po1HDS
Po	GT2000	0-8	2		70	1427.789 Po1HDS
Po	GT2000	8-16	1		70	1622.658 Po1HDS
Po	GT2000	8-16	2		70	1427.789 Po1HDS
Po	GT2000	16-26	1		70	1063.026 Po2HDS
Po	GT2000	16-26	2		70	913.3947 Po2HDS
Po	GT2000	GT26	1		70	1063.026 Po2HDS
Po	GT2000	GT26	2		70	913.3947 Po2HDS
Pu	1500-1700	0-8	1		70	1804.211 Pu1LDS
Pu	1500-1700	0-8	2		70	1652.605 Pu1LDS
Pu	1500-1700	0-8	5		70	1847.579 Pu1LDS
Pu	1500-1700	0-8	6		70	1819.105 Pu1LDS
Pu	1500-1700	8-16	1		70	1804.211 Pu1LDS
Pu	1500-1700	8-16	2		70	1652.605 Pu1LDS
Pu	1500-1700	8-16	5		70	1847.579 Pu1LDS
Pu	1500-1700	8-16	6		70	1819.105 Pu1LDS
Pu	1500-1700	16-26	1		70	890.6316 Pu2LDS
Pu	1500-1700	16-26	2		70	858.3947 Pu2LDS
Pu	1500-1700	GT26	1		70	890.6316 Pu2LDS
Pu	1500-1700	GT26	2		70	858.3947 Pu2LDS
Pu	1700-2000	0-8	1		70	1804.211 Pu1LDS
Pu	1700-2000	0-8	2		70	1652.605 Pu1LDS
Pu	1700-2000	0-8	5		70	1847.579 Pu1LDS
Pu	1700-2000	0-8	6		70	1819.105 Pu1LDS
Pu	1700-2000	8-16	1		70	1804.211 Pu1LDS
Pu	1700-2000	8-16	2		70	1652.605 Pu1LDS
Pu	1700-2000	8-16	5		70	1847.579 Pu1LDS
Pu	1700-2000	8-16	6		70	1819.105 Pu1LDS
Pu	1700-2000	16-26	1		70	890.6316 Pu2LDS
Pu	1700-2000	16-26	2		70	858.3947 Pu2LDS
Pu	1700-2000	GT26	1		70	890.6316 Pu2LDS
Pu	1700-2000	GT26	2		70	858.3947 Pu2LDS
Pu	LT1500	0-8	1		70	1804.211 Pu1LDS
Pu	LT1500	0-8	2		70	1652.605 Pu1LDS
Pu	LT1500	0-8	5		70	1847.579 Pu1LDS
Pu	LT1500	0-8	6		70	1819.105 Pu1LDS
Pu	LT1500	8-16	1		70	1804.211 Pu1LDS
Pu	LT1500	8-16	2		70	1652.605 Pu1LDS

soil	rain	slope	mods	edd	et	clds
Pu	LT1500	8-16	5		70	1847.579 Pu1LDS
Pu	LT1500	8-16	6		70	1819.105 Pu1LDS
Pu	GT2000	0-8	1		70	1804.211 Pu1LDS
Pu	GT2000	0-8	2		70	1652.605 Pu1LDS
Pu	GT2000	0-8	5		70	1847.579 Pu1LDS
Pu	GT2000	0-8	6		70	1819.105 Pu1LDS
Pu	GT2000	8-16	1		70	1804.211 Pu1LDS
Pu	GT2000	8-16	2		70	1652.605 Pu1LDS
Pu	GT2000	8-16	5		70	1847.579 Pu1LDS
Pu	GT2000	8-16	6		70	1819.105 Pu1LDS
Pu	GT2000	16-26	1		70	890.6316 Pu2LDS
Pu	GT2000	16-26	2		70	858.3947 Pu2LDS
Pu	GT2000	GT26	1		70	890.6316 Pu2LDS
Pu	GT2000	GT26	2		70	858.3947 Pu2LDS
Re	1500-1700	0-8	1		70	1426.395 Re1DS
Re	1500-1700	0-8	2		70	1231.842 Re1DS
Re	1500-1700	0-8	6		70	1168.921 Re1DS
Re	1500-1700	8-16	1		70	738.2368 Re2DS
Re	1500-1700	8-16	2		70	707.3947 Re2DS
Re	1500-1700	16-26	1		70	738.2368 Re2DS
Re	1500-1700	16-26	2		70	707.3947 Re2DS
Re	1500-1700	GT26	1		70	738.2368 Re2DS
Re	1500-1700	GT26	2		70	707.3947 Re2DS
Re	LT1500	0-8	1		70	1426.395 Re1DS
Re	LT1500	0-8	2		70	1231.842 Re1DS
Re	LT1500	0-8	6		70	1168.921 Re1DS
Re	LT1500	8-16	1		70	738.2368 Re2DS
Re	LT1500	8-16	2		70	707.3947 Re2DS
Re	LT1500	16-26	1		70	738.2368 Re2DS
Re	LT1500	16-26	2		70	707.3947 Re2DS
other	1500-1700	0-8	1		70	1434.605 Po1LDS
other	1500-1700	0-8	2		70	1343.447 Po1LDS
other	1500-1700	0-8	5		70	1585.816 Po1LDS
other	1500-1700	0-8	6		70	1522.605 Po1LDS
other	1700-2000	0-8	1		70	1434.605 Po1LDS
other	1700-2000	0-8	2		70	1343.447 Po1LDS
other	1700-2000	0-8	5		70	1585.816 Po1LDS
other	1700-2000	0-8	6		70	1522.605 Po1LDS
other	1700-2000	8-16	1		70	1434.605 Po1LDS
other	1700-2000	8-16	2		70	1343.447 Po1LDS
other	1700-2000	8-16	5		70	1585.816 Po1LDS
other	1700-2000	8-16	6		70	1522.605 Po1LDS
other	LT1500	0-8	1		70	1434.605 Po1LDS
other	LT1500	0-8	2		70	1343.447 Po1LDS
other	LT1500	0-8	5		70	1585.816 Po1LDS
other	LT1500	0-8	6		70	1522.605 Po1LDS
other	GT2000	0-8	1		70	1622.658 Po1HDS
other	GT2000	0-8	2		70	1427.789 Po1HDS
other	GT2000	8-16	1		70	1622.658 Po1HDS

soil	rain	slope	mods	edd	et	clds
other	GT2000	8-16	2		70 1427.789	Po1HDS
other	GT2000	16-26	1		70 1063.026	Po2HDS
other	GT2000	16-26	2		70 913.3947	Po2HDS

Appendix 5: Farm modelling methodology



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MEMORANDUM

TO: Bay of Plenty Regional Council
FROM: Perrin Ag Consultants Ltd
DATE: 5 August 2015
SUBJECT: Methodology for farm-level modelling for Rotorua N-reduction economic impacts project

1. Background

1.1 In order to derive profit-N leaching relationships for a range of pastoral activity across the twelve geo-physical zones in the catchment in the Rotorua catchment, a two stage process was utilised.

1.1.1 These geophysical zones, as prescribed by the Bay of Plenty Regional Council ("BOPRC"), comprised the four main soil orders found in the catchment, two slope classes and, if the range in rainfall across a soil order was broad enough, a delineation for either high or low rainfall. The boundary that defined the high and low rainfall bands varied for the pumice (1,900mm) and podzol soils (2,000mm), as did the nominal delineation of the slope classes for dairy (13°) and drystock (16°) sectors. Each zone was defined on the basis of the parameters and associated nomenclature in Table 1 below i.e. the geophysical zone consisting of a podzol (Po) soil receiving 2200mm (H) of rainfall annually with an average slope of 8° (1) would be defined as **Po1H**.

Table 1: Lake Rotorua geophysical parameters and nomenclature

Soil type	Slope class		Rainfall band	
Allophanic (Al)	Gentle (1)	Steep (2)	n/a	
Recent (Re)				
Podzol (Po)			Low (L)	High (H)
Pumice (Pu)				

- 1.2 Baseline status quo models of representative dairy and dry stock farming operations were developed in Farmax and Overseer software, with the Farmax models based on actual farming enterprises within the catchment's geophysical zones. The profit forecasting functionality within Farmax was utilised to estimate the annual operating profit generated from each of these systems. Medium term pricing expectations for used for forecasting income, while operating expenses were based on representative industry averages, moderated for locality and system specific variance as necessary.
- 1.3 A cumulative stepwise N-loss mitigation protocol was then applied to each representative farm system, with a scenario run created for each mitigation that was deemed applicable to the system. The dairy and dry stock mitigation protocols had been previously developed by a group of industry professionals (including the author, DairyNZ & Beef+Lamb NZ) on the basis of how it was perceived farmers in the catchment might rationally apply sequential changes to their system to reduce N loss to water, in the context of both their likely commercial and emotional reality.
- 1.4 This simulated change process was constrained by an assumption that farm productivity was limited to the existing management capability represented by each modelled farm system. This constraint was captured in the step-wise modelling process by excluding system responses that would result from improved pasture management/utilisation. This was typically expressed as an inability to increase per head performance in response to the need to reduce stocking rate. The singular exception to this was where the potential to lamb ewe hoggets and reduce ewe numbers was deemed to be a viable mitigation, in which case the feed intake and productivity of the ewe hogget obviously increased. This assumed that the decision to mate or not mate ewe lambs was based on farmer preference, rather than any perception that lambing ewe hoggets required an increase in management ability.
- 1.5 Accordingly neither the baseline status quo nor mitigated farm models are "optimised" for profit or nutrient use efficiency.
- 1.6 The step-wise mitigation protocol for both the dairy and dry stock models are presented in Figure 1 and Figure 2 below.

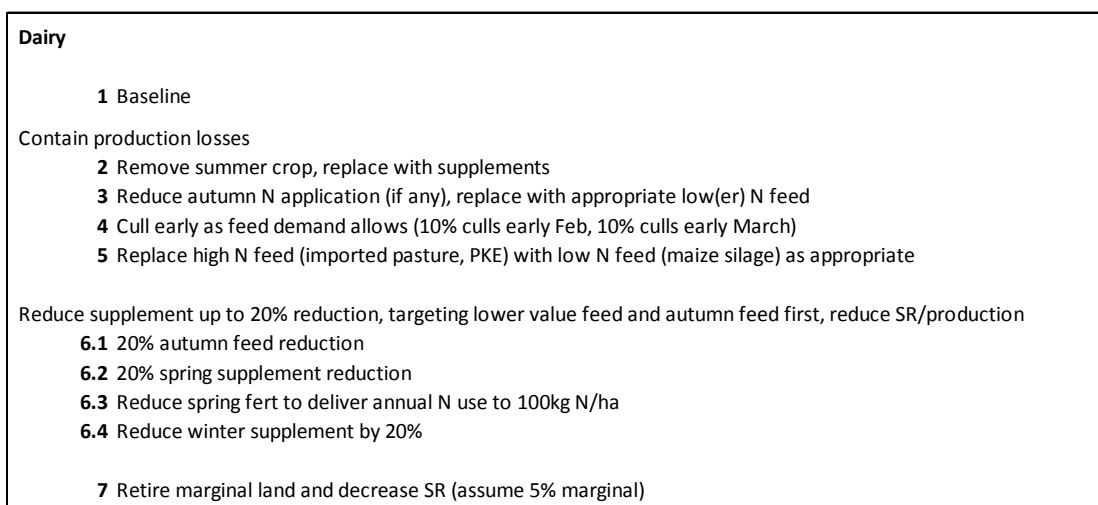


Figure 1: Dairy step-wise mitigation protocol

- 1.7 This process resulted in series of paired Farmax and Overseer outputs that could be analysed for changes in N leaching to water and financial performance (as measured by operating profit).
- 1.8 This output could then be utilised to derive the quantitative relationship between the application of likely sequential mitigations on farm systems and farm operating profit.

Drystock	
1	Baseline
2	Reduce N that supports capital livestock (i.e. primarily maintenance feed demand)
3	Reduce winter cropping providing it doesn't affect dairy support enterprise (if any)
4	Lamb hoggets and decrease ewe numbers
5	Decrease dairy young stock (R1, R2), replace with bulls or steers as appropriate. For sole dairy support system, remove calf grazing (R1) only.
6	Remove wintering dairy cows. Increase other stock numbers
7	Graze any dry hoggets off
8	Increase sheep: cattle ratio - limit of 70% sheep

Figure 2: Drystock step-wise mitigation protocol

- 1.9 A total of 7 representative dairy models and 36 representative dry stock models were developed to cover the sector spread within the geophysical zones in the catchment. Each model was then run through the entire step-wise mitigation protocol. This resulted in 54 dairy scenarios and 111 dry stock scenarios in addition to the baseline models. A total of paired 208 Farmax and Overseer files were created.

2. Establishment of baseline models

2.1 Dairy systems

- 2.1.1 Dairy farm activity was identified via BOPRC data to have the potential to occur within 7 geophysical zones – 6 zones where dairying currently or recently occurred and one zone where future land use change to dairy was considered viable
- 2.1.2 Analysis of the “current areas” of milking platform (including effluent and any contiguous cropping areas to support dry or milking dairy cows) of Rotorua dairy farms was undertaken to establish an appropriate average size for the seven dairy farm models developed. Utilising the most accurate data available to the author, the average size of milking platform in the Rotorua area comprised 219ha (range 48ha to 633ha). As discussed with DairyNZ, this average milking platform was to be used as the basis for the baseline Farmax models generated for the seven representative dairy systems modelled.
- 2.1.3 Real farms that DairyNZ and the author agreed as being the most representative of all farms in each identified geo-physical zone were then modelled in Farmax as they currently exist. This was possible for five of the geo-physical zones, being A11, Pu1H, Po1H, Po2H and Pu2. Where replacement yearling heifers were grazed on contiguous land owned by the farm that wasn't milked off, heifers were treated as being grazed off farm for the purposes of modelling,

given dairy heifer grazing is captured in the drystock systems modelling. Land area was then increased up to or down to 219ha (with associated activities like silage making and cropping pro-rated accordingly) utilising the “scale” function in Farmax. Stock numbers and pasture management were then scaled up or down, again utilising the “scale” functionality in Farmax, to deliver identical level of feasibility. Systems were then reviewed to ensure stocking rates and per cow production were consistent with the original farm systems.

- 2.1.4 Hypothetical farms were then created for the Re1 and Pu1L zones. For the Re1 zone, where there had previously been dairying activity up until 2007, a model was created based on real historical farm performance to derive pasture growth parameters. The farm system was then adjusted to reflect reasonable changes that were likely to have occurred with the production system in the intervening 7 years.
- 2.1.5 For the Pu1L zone, where no singular dairying enterprise exists but such future activity was deemed feasible, pasture growth parameters were derived based on an average between the Re1 and Pu1H models, subsequently adjusted to ensure relativity with the Pu2 pasture growth model and altitude differences with Re1. This pasture growth curve was then applied to the Re1 model (given the physical characteristics would be similar) and the production system adjusted to reflect the higher summer pasture growth.
- 2.1.6 Note that average slope for Pu2, is $>13^\circ$, based on the actual data from what is recognised as the steepest farm in the catchment.
- 2.1.7 Cost and revenue assumptions used for forecasting the financial performance of these systems in Farmax were primarily based off the 2012/13 Central Plateau Owner-Operator benchmark from DairyBase data. Where necessary, these were moderated to reflect justifiable deviations from the benchmark average within specific farm models, predominantly the Pu2 geophysical zone. This essentially resulted in two sets of broad financial assumptions; one specific to the dairy activity in the Pu2 zone (which supports a more extensive and lower production dairy system) and one for the remainder of the dairy farm systems, which were considered more homogeneous in nature.
- 2.1.8 These operating cost structures were used to create two “Farmax expense plans” which were then applied consistently across the models based on their underlying system parameters.
- 2.1.9 A milk price of \$6/kg MS was used for determining dairy farm milk revenue, while an appropriate medium term price expectation for manufacturing beef was applied to the normal seasonal schedule distributions in Farmax. The milk price used reflected both the nominal average Fonterra milk price (\$6.07/kg MS)¹ for the period 2006/07 through 2014/15 and the fact that the real (CPI adjusted) NZ milk price since 1975 is just under \$6/kg MS².
- 2.1.10 All of the financial assumptions are summarised in Appendix 1 below.
- 2.1.11 These baseline farm systems were then modelled in Overseer™6.1.3, utilising geophysical data representative of the midpoint of the rainfall bands of the geophysical zones to assign appropriate climate data to the models. Soil orders, rather than individual soil types, were utilised to allocate soil characteristics in Overseer, with the exception of anion storage

¹ Source: interest.co.nz and Fonterra Cooperative Group Ltd

² LIC, BERL 2015

capacity (“ASC”), which was manually input to reflect local conditions specific to each farm model.

2.2 *Drystock systems*

- 2.2.1 Given the significant number of possible combinations of operating system and geo-physical zone within the Rotorua catchment, a simplified process was undertaken to derive representative models for each combination.
- 2.2.2 Three real farms were modelled in Farmax to derive both realistic pasture growth curves for areas of differing slope within the catchment and physical performance parameters for three base operating policies – sheep & beef cattle, sheep and dairy support and dairy support. These were then applied across all six geo-physical zones and two slope classes by way of a varying pasture growth curve for each slope and soil & rain interaction. The models were also adjusted on the basis of an assumption that the wintering of dairy cows only occurs where average slope is <16°, beef cows replace beef finishing as a policy above 16° and that the mowable area comprised no more than 15% of total farm area for properties with >16° average slope. This resulted in six different representative farm systems for the catchment.

Table 2: Livestock policies modelled for the representative farm models

	Sheep/Beef (“SB”)	Sheep/Dairy (“SD”)	Dairy Support (“DS”)
Slope low (<16°) (“L”)	Breeding ewes Beef cattle for finishing	Breeding ewes Dairy heifers Wintering dairy cows	Dairy heifers Wintering dairy cows
Slope high (>16°) (“H”)	Breeding ewes Beef cows	Breeding ewes Dairy heifers	Dairy heifers

- 2.2.3 Beef+Lamb NZ data for Class 3, 4 and 5 farms from the 2014/15 Beef + Lamb Economic Service Sheep & Beef Farm Survey was then used to set both the modal property size and to inform the operating expense parameters used in Farmax³ for the low and high slope class non-dairy support sheep & cattle farm models for the Rotorua catchment, as presented in Table 3 below. For the dairy support properties, due to their small size and specialist activity, both sets of parameters were adapted from Class 5 Beef+Lamb NZ survey data and then moderated where applicable using actual farm data from the catchment used as the basis of the models. The operating cost structures were used to create four “Farmax expense plans” which were then applied consistently across the models based on their underlying system parameters.

³ Farmax defaults, adjusted by the author for local market conditions were used for variable farm expenses determined by functionality in the Farmax model (such as crop costs, direct stock expenses etc)

Table 3: Source of representative model farm size and operating cost structure (“Farmax expense plans”)

	Sheep/Beef (“SB”)	Sheep/Dairy (“SD”)	Dairy Support (“DS”)
Slope low (<16°) (“L”)	BLES Class 4 survey	BLES Class 5 survey	BLES Class 5 survey, Perrin Ag Consultants
Slope high (>16°) (“H”)	BLES Class 3 survey	BLES Class 4 survey	

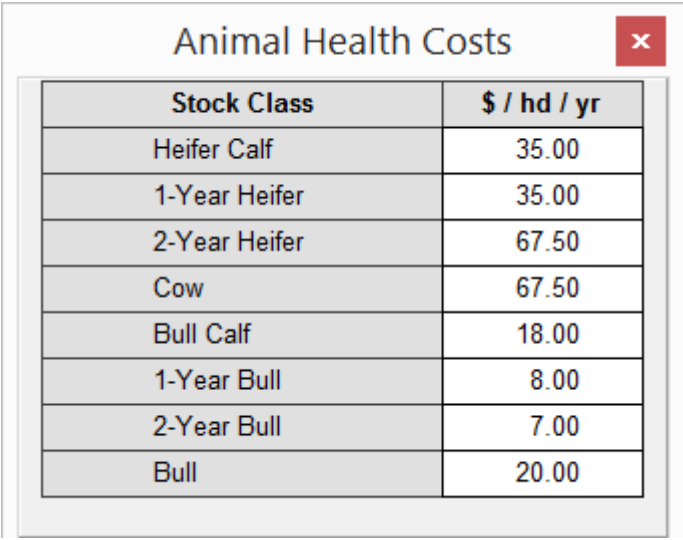
- 2.2.4 Medium term revenue expectations were applied to the normal seasonal schedule distributions in Farmax for sheep meat (\$5.50/kg), beef (\$4.20/kg base price) and wool (\$3.40/kg). These are summarised, along with the operating expense parameters and how they were applied, in Appendix 2 to Appendix 6 below. Note that analysis was also completed for a second base beef price (\$3.75/kg).
- 2.2.5 These baseline farm systems were then modelled in Overseer™6.1.3, utilising geophysical data representative of the midpoint of the rainfall bands of the geophysical zones. As with the dairy farm models, soil orders, rather than individual soil types, were utilised to allocate soil characteristics in Overseer, with the exception of anion storage capacity (“ASC”), which was manually input to reflect local conditions specific to each farm model.
- 2.2.6 We note that no deer farm systems were modelled. Deer were excluded from the project brief due to the small proportion of deer that are farmed in the catchment as a proportion of other drystock systems. We note, however, that the economic outcomes from lowering nitrate leaching from a deer farm system was modelled in the BOPRC funded 2014 NDA Impact Analysis Project.

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Appendix 1: Dairy operating expense assumptions

Expense item	Applied	All except PU2	Pu2
Wages	/cow	\$ 256.00	\$ 256.00
Management Wage	/cow	\$ 105.00	\$ 105.00
Electricity	/cow	\$ 42.00	\$ 42.00
Fertiliser (Excl. N)	/kg MS	\$ 0.51	\$ 0.64
Weed & Pest	/ha	\$ 34.00	\$ 34.00
Vehicles	/ha	\$ 169.00	\$ 40.00
Fuel	/ha	\$ 73.00	\$ 37.00
R&M Land & Buildings	/ha	\$ 274.00	\$ 147.00
R&M Plant & Equipment	/ha	\$ 72.00	\$ 46.00
Freight	/cow	\$ 23.00	\$ 23.00
Administration	/ha	\$ 142.00	\$ 142.00
Insurance	/ha	\$ 62.00	\$ 40.00
ACC	/ha	\$ 21.00	\$ 21.00
Rates	/ha	\$ 107.00	\$ 63.00
Depreciation	/ha	\$ 317.00	\$ 237.00

Source 1: DairyBase 2012/13 Central Plateau Owner Operator Survey



Stock Class	\$ / hd / yr
Heifer Calf	35.00
1-Year Heifer	35.00
2-Year Heifer	67.50
Cow	67.50
Bull Calf	18.00
1-Year Bull	8.00
2-Year Bull	7.00
Bull	20.00

Source 2: Farmax 2014

Breeding Costs ✕

AI	25.00	\$/submission
ET	250.00	\$/submission
Sexed Semen	50.00	\$/submission

Source: Farmax 2014

Nitrogen Fertiliser ✕

Nitrogen Cost	1.80	\$/kg N
	828	\$/t Urea

Source: Perrin Ag Consultants 2014

Regrassing ✕


Regrassing cost (\$/ha)


Source: Perrin Ag Consultants 2014


Dairy feed assumptions									
Name	Class	Units	Unit Size kg/unit	Dry Matter %	Energy MJME/kgDM	Default Yield units/ha	Cash Price \$	Production Cost	
								\$/ha	\$/unit
Pasture Silage	Conserved	tonnes DM	1,000	100	10.0	2.0	210.00	450.00	
Maize Silage	Harvested Crop	tonnes DM	1,000	100	10.8	22.0	320.00	3,600.00	
Annual ryegrass	Grazed Crop	tonnes DM	1,000	100	12.5			1,200.00	
Kale	Grazed Crop	tonnes	1,000	100	11.5	13.0		1,259.00	
Swedes	Grazed Crop	tonnes DM	1,000	100	12.8	15.0		1,259.00	
Turnips	Grazed Crop	tonnes DM	1,000	100	12.0	12.0		1,259.00	
Maize Silage bought	Bought	tonnes DM	1,000	100	10.8	22.0	320.00	2,700.00	60.00
Palm Kernel	Bought	tonnes	1,000	90	11.0		250.00		
Pasture Silage bought	Bought	tonnes DM	1,000	100	10.0	2.0	340.00		110.00
PKE with Canola	Bought	tonnes DM	1,000	90	12.0		380.00		
Calf Meal	Calf Feed	tonnes	1,000	89	13.0		650.00		
Colostrum/Milk	Calf Feed	litres	1	100	3.2				
Milk Replacer	Calf Feed	litres	1	100	3.2		0.40		

Source: Farmax 2014, Perrin Ag Consultants 2014

Appendix 2: Sheep revenue assumptions for a \$5.50/kg base schedule


 Sheep Prices Prices / kg for Rotorua												
Prices / kg												
Works (\$/kg Cwt)	O	N	D	J	F	M	A	M	J	J	A	S
17 kg PM Lamb	6.16	6.00	5.50	5.12	5.01	4.95	5.01	5.22	5.45	5.61	5.89	6.11
24 kg Sheep	2.96	2.76	2.53	2.35	2.25	2.33	2.50	2.46	2.72	2.80	2.94	3.11
Store (\$/kg Lwt)	O	N	D	J	F	M	A	M	J	J	A	S
Ewe Lamb	2.59	2.52	2.25	2.15	2.15	2.13	2.15	2.25	2.29	2.41	2.59	2.75
Ewe Hogget	2.83	2.82	2.64	2.46	2.20	1.98	1.90	1.83	1.96	2.24	2.71	2.81
MA Ewe	2.22	2.22	2.04	1.43	1.40	1.39	1.40	1.46	1.58	1.68	2.06	2.14
Ram Lamb	2.77	2.64	2.37	2.30	2.25	2.23	2.25	2.35	2.40	2.52	2.77	2.87
Ram Hogget	4.25	4.38	4.29	2.51	2.50	2.57	2.85	3.03	3.21	3.37	3.65	3.85
MA Ram	7.45	7.25	7.59	8.34	8.51	8.61	8.91	8.36	8.17	7.80	7.77	7.57
Wether Lamb	2.71	2.58	2.37	2.25	2.20	2.18	2.20	2.30	2.34	2.47	2.71	2.81
Wether Hogget	2.34	2.22	2.04	1.94	2.05	2.03	2.00	2.19	2.34	2.52	2.59	2.44
MA Wether	1.97	2.04	1.76	1.59	1.80	1.83	1.85	1.67	1.74	1.80	1.82	1.71


 Sheep Prices Charges for Rotorua				
Charges				
	Transport \$/head	Commission % of gross	Headage \$/head	Killing \$/head
Purchases	1.50			
Store Sales		5.50		
Works Sales				2.00


 Sheep Prices Relativities for Rotorua												
Relativities												
Works (/kg Cwt)	O	N	D	J	F	M	A	M	J	J	A	S
17 kg PM Lamb	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
24 kg Sheep	0.48	0.46	0.46	0.46	0.45	0.47	0.50	0.47	0.50	0.50	0.50	0.51
Store (/kg Lwt)	O	N	D	J	F	M	A	M	J	J	A	S
Ewe Lamb	0.42	0.42	0.41	0.42	0.43	0.43	0.43	0.43	0.42	0.43	0.44	0.45
Ewe Hogget	0.46	0.47	0.48	0.48	0.44	0.40	0.38	0.35	0.36	0.40	0.46	0.46
MA Ewe	0.36	0.37	0.37	0.28	0.28	0.28	0.28	0.28	0.29	0.30	0.35	0.35
Ram Lamb	0.45	0.44	0.43	0.45	0.45	0.45	0.45	0.45	0.44	0.45	0.47	0.47
Ram Hogget	0.69	0.73	0.78	0.49	0.50	0.52	0.57	0.58	0.59	0.60	0.62	0.63
MA Ram	1.21	1.21	1.38	1.63	1.70	1.74	1.78	1.60	1.50	1.39	1.32	1.24
Wether Lamb	0.44	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.43	0.44	0.46	0.46
Wether Hogget	0.38	0.37	0.37	0.38	0.41	0.41	0.40	0.42	0.43	0.45	0.44	0.40
MA Wether	0.32	0.34	0.32	0.31	0.36	0.37	0.37	0.32	0.32	0.32	0.31	0.28

Source: Farmax 2014, Perrin Ag Consultants 2014

Appendix 3: Bull beef revenue assumptions for a \$4.20/kg base beef schedule


 Bull Beef Prices Prices / kg for Rotorua												
Prices / kg												
Works (\$/kg Cwt)	O	N	D	J	F	M	A	M	J	J	A	S
295 kg M Bull	4.54	4.37	4.16	4.03	3.95	3.95	3.95	4.03	4.16	4.28	4.45	4.54
Store (\$/kg Lwt)	O	N	D	J	F	M	A	M	J	J	A	S
R1 Bull	4.81	4.32	3.91	3.75	3.55	2.92	2.57	2.46	2.45	2.61	2.76	2.68
R2 Bull	2.54	2.36	2.29	2.14	2.05	2.01	2.01	1.98	2.00	2.23	2.45	2.45
MA Bull	2.54	2.40	2.29	2.14	2.05	2.01	2.01	1.98	2.00	2.23	2.49	2.45


 Bull Beef Prices Charges for Rotorua				
Charges				
	Transport \$/head	Commission % of gross	Headage \$/head	Killing \$/head
Purchases	12.00			
Store Sales		5.50		
Works Sales				32.35


 Bull Beef Prices Relativities for Rotorua												
Relativities												
Works (/kg Cwt)	O	N	D	J	F	M	A	M	J	J	A	S
295 kg M Bull	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Store (/kg Lwt)	O	N	D	J	F	M	A	M	J	J	A	S
R1 Bull	1.06	0.99	0.94	0.93	0.90	0.74	0.65	0.61	0.59	0.61	0.62	0.59
R2 Bull	0.56	0.54	0.55	0.53	0.52	0.51	0.51	0.49	0.48	0.52	0.55	0.54
MA Bull	0.56	0.55	0.55	0.53	0.52	0.51	0.51	0.49	0.48	0.52	0.56	0.54

Source: Farmax 2014, Perrin Ag Consultants 2014

Appendix 4: Prime beef revenue assumptions for a \$4.20/kg base beef schedule


 Prime Beef Prices Prices / kg for Rotorua												
Prices / kg												
Works (\$/kg Cwt)	O	N	D	J	F	M	A	M	J	J	A	S
295 kg M Steer	4.74	4.52	4.35	4.18	4.13	4.09	4.05	4.13	4.26	4.39	4.61	4.74
220 kg LT Heifer	4.69	4.43	4.22	4.13	4.05	4.01	3.96	4.09	4.09	4.26	4.66	4.74
230 kg M Cow	3.70	3.57	3.39	3.26	3.22	3.19	3.12	3.14	3.37	3.51	3.73	3.75
Store (\$/kg Lwt)	O	N	D	J	F	M	A	M	J	J	A	S
R1 Heifer	2.75	2.62	2.52	2.42	2.40	2.41	2.27	2.23	2.26	2.37	2.54	2.56
R2 Heifer	2.56	2.53	2.48	2.34	2.23	2.13	2.02	1.98	2.05	2.15	2.26	2.32
MA Cow	1.90	1.95	1.83	1.67	1.78	1.68	1.86	1.82	1.88	1.89	1.84	1.85
R1 Steer	3.32	3.17	3.04	2.92	2.89	2.86	2.71	2.64	2.64	2.77	2.95	2.94
R2 Steer	2.80	2.58	2.52	2.38	2.36	2.29	2.23	2.15	2.17	2.28	2.49	2.56
MA Steer	2.70	2.49	2.39	2.30	2.27	2.25	2.18	2.15	2.17	2.28	2.49	2.56

 Prime Beef Prices Charges for Rotorua				
Charges				
	Transport \$/head	Commission % of gross	Headage \$/head	Killing \$/head
Purchases	12.00			
Store Sales		5.50		
Works Sales				32.35

 Prime Beef Prices Relativities for Rotorua												
Relativities												
Works (/kg Cwt)	O	N	D	J	F	M	A	M	J	J	A	S
295 kg M Steer	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
220 kg LT Heifer	0.99	0.98	0.97	0.99	0.98	0.98	0.98	0.99	0.96	0.97	1.01	1.00
230 kg M Cow	0.78	0.79	0.78	0.78	0.78	0.78	0.77	0.76	0.79	0.80	0.81	0.79
Store (/kg Lwt)	O	N	D	J	F	M	A	M	J	J	A	S
R1 Heifer	0.58	0.58	0.58	0.58	0.58	0.59	0.56	0.54	0.53	0.54	0.55	0.54
R2 Heifer	0.54	0.56	0.57	0.56	0.54	0.52	0.50	0.48	0.48	0.49	0.49	0.49
MA Cow	0.40	0.43	0.42	0.40	0.43	0.41	0.46	0.44	0.44	0.43	0.40	0.39
R1 Steer	0.70	0.70	0.70	0.70	0.70	0.70	0.67	0.64	0.62	0.63	0.64	0.62
R2 Steer	0.59	0.57	0.58	0.57	0.57	0.56	0.55	0.52	0.51	0.52	0.54	0.54
MA Steer	0.57	0.55	0.55	0.55	0.55	0.55	0.54	0.52	0.51	0.52	0.54	0.54

Source: Farmax 2014, Perrin Ag Consultants 2014

Appendix 5: Other drystock revenue assumptions used

 Dairy grazing contract			
Age (months)	Grazing Fee (\$/hd/week)	Age (months)	Grazing Fee (\$/hd/week)
0 - 4	6.50	15	8.50
5	6.50	16	8.50
6	6.50	17	8.50
7	6.50	18	8.50
8	6.50	19	8.50
9	6.50	20	8.50
10	8.50	21	8.50
11	8.50	22	28.00
12	8.50	23	28.00
13	8.50	24 +	28.00
14	8.50		

Source: Perrin Ag Consultants 2014

 Wool and Velvet Prices		
Wool Prices		
Crossbred Lamb	3.50	\$ / kg Greasy
Crossbred Hogget	3.60	\$ / kg Greasy
Crossbred Adult	3.40	\$ / kg Greasy
Superfine Lamb	9.40	\$ / kg Greasy
Superfine Hogget	9.40	\$ / kg Greasy
Superfine Adult	8.45	\$ / kg Greasy
Ultrafine Lamb	11.16	\$ / kg Greasy
Ultrafine Hogget	11.16	\$ / kg Greasy
Ultrafine Adult	9.55	\$ / kg Greasy
Velvet Prices		
Spiker	40.00	\$ / kg
2-year	45.00	\$ / kg
Adult	50.00	\$ / kg

Source: Farmax 2014

Appendix 6: Drystock operating expense assumptions

Expense item	Applied	Class 3	Class 4	Class 5	Dairy support
Wages	/SU	\$ 19.00	\$ 19.00	\$ 19.00	\$ 19.00
Fertiliser (Excl. N & Lime)	/SU	\$ 11.00	\$ 13.47	\$ 12.50	\$ 13.00
Nitrogen					
Lime	/SU	\$ 0.40	\$ 1.00	\$ 1.30	\$ 1.30
Weed & Pest Control	/SU	\$ 0.75	\$ 1.17	\$ 1.17	\$ 1.17
Vehicle Expenses	/ha	\$ 14.00	\$ 29.30	\$ 37.00	\$ 37.00
Fuel	/ha	\$ 16.00	\$ 25.00	\$ 38.00	\$ 38.00
Repairs & Maintenance	/ha	\$ 48.00	\$ 64.21	\$ 75.00	\$ 75.00
Freight & Cartage	/SU	\$ 0.70	\$ 1.67	\$ 1.60	\$ 1.60
Electricity	/SU	\$ 0.86	\$ 0.86	\$ 1.05	\$ 1.05
Other Expenses	/SU	\$ 0.60	\$ 0.60	\$ 0.60	\$ 0.60
Administration Expenses	/ha	\$ 17.00	\$ 29.19	\$ 34.00	\$ 34.00
Insurance	/ha	\$ 13.97	\$ 13.97	\$ 18.00	\$ 18.00
ACC Levies	/SU	\$ 0.46	\$ 0.46	\$ 0.87	\$ 0.87
Rates	/SU	\$ 2.00	\$ 2.00	\$ 4.00	\$ 4.00
Depreciation	/ha	\$ 26.81	\$ 52.62	\$ 70.00	\$ 70.00

Source: Beef+Lamb Economic Service Survey 2014, Perrin Ag Consultants Ltd

Sheep	\$ / hd / yr	Beef	\$ / hd / yr	Deer	\$ / hd / yr
Ewe Lamb	2.40	Heifer Calf	12.00	Hind Fawn	5.00
Ewe Hogget	2.40	1-Year Heifer	8.00	1-Year Hind	7.00
Ewe	3.65	2-Year Heifer	7.00	2-Year Hind	5.00
Ram Lamb	2.40	Cow	12.00	Hind	4.00
Ram Hogget	2.40	Bull Calf	18.00	Stag Fawn	5.00
Ram	5.00	1-Year Bull	108.00	1-Year Stag	7.00
Wether Lamb	2.40	2-Year Bull	7.00	2-Year Stag	5.00
Wether Hogget	2.40	Bull	20.00	3-Year Stag	5.00
Wether	2.00	Steer Calf	7.00	Stag	5.00
		1-Year Steer	8.00		
		2-Year Steer	7.00		
		Steer	7.00		


Source: Farmax 2014

Shearing Costs ✕			
Shearing	\$ / head	Crutching	\$ / head
Lambs	3.25	Lambs	1.15
Hoggets	3.55	Hoggets	1.50
Adults	3.55	Adults	1.50

Source: Farmax 2014

Nitrogen Fertiliser ✕	
Nitrogen Cost	<input type="text" value="1.81"/> \$/kg N <input type="text" value="833"/> \$/t Urea

Source: Farmax 2014, Perrin Ag Consultants 2014

 Drystock feed assumptions									
Name	Class	Units	Unit Size kg/unit	Dry Matter %	Energy MJME/kgDM	Default Yield units/ha	Cash Price \$	Production Cost	
								\$/ha	\$/unit
Baleage	Conserved	big bales	525	38	10.0	15.0	95.00		42.00
Pasture Silage	Conserved	tonnes DM	1,000	100	10.0	3.0	210.00	450.00	
Kale	Forage Crop	tonnes DM	1,000	100	11.0	12.0		1,259.00	
Plantain	Forage Crop	tonnes DM	1,000	100	12.5	14.0		260.00	
Swedes	Forage Crop	tonnes DM	1,000	100	12.8	10.5		1,259.00	
Calf meal	Bought	tonnes	1,000		13.0		665.00		

Source: Farmax 2014, Perrin Ag Consultants 2014

Appendix 2: Choice of Catchment Modelling Approach

Catchment optimisation model

This section outlines the selection of the economic-modelling approach employed in this analysis. The model is an optimisation model; that is, an iterative search process is employed to identify how different management activities must change from their current level to minimise the cost incurred by a change in the management environment (e.g. as experienced with the introduction of an N limit). The model used here is a special type of optimisation model, involving a method known as mathematical programming (Bazaraa et al., 2006).

A key type of equation utilised in the form of mathematical modelling that is utilised in this study (mathematical programming) is a constraint. These constraints can define key relationships (i.e. a relational constraint), as in the N loss example above, or can be used to restrict the level of certain decision variables (i.e. a limit constraint). For example, a key relationship used in some models is a limit constraint defining the amount of a contaminant lost from farms in a catchment. This could be defined $nt > N$, where nt is the total nitrogen target (tonnes of nitrogen) and the equation describes that the level of nitrogen lost from the catchment (N) has to be less than this target in the modelled scenario. (This relationship is described for example only; the nitrogen limit within the catchment model described below is introduced by way of allocating entitlements for nitrogen leaching.) To describe a complex reality within a mathematical model, it is necessary to formulate various assumptions that permit people working with the model to develop an understanding of the relationships between certain key levers. Without these assumptions, it is difficult to formulate such an understanding given the uncertainty regarding key relationships. A key purpose of this report is to outline the justification for the key assumptions utilised in this application.

Optimisation in the context of mathematical programming concerns the identification of decision variables that maximise profit for a given set of constraints. Suppose that there is three-equation model: equation 1 describing profit as related to land-use, equation 2 describing nitrogen load as related to land-use, and equation 3 placing an upper limit on nitrogen load. Optimisation involves trying to find the land-use configuration that maximises

the level of profit in the catchment, as defined in equation 1, subject to the relationships and bounds defined in equations 2 and 3.

Optimisation through nonlinear programming is used here (Bazaraa et al., 2006). This generally involves the definition of a model in which both the profit specification and constraints contain nonlinear expressions. Solution of this model outlines how land-use and land management must change under different circumstances to mitigate nitrogen loss at least cost. Its structure is loosely based on that of the Land Allocation and Management (LAM) catchment framework (Doole, 2015). The flexibility of this model is demonstrated in its broad utilisation across a number of nonpoint-pollution contexts, both nationally (Doole, 2013; Howard et al., 2013; Holland and Doole, 2014) and internationally (Beverly et al., 2013; Doole et al., 2013a). Key benefits associated with the application of the LAM framework are (Doole, 2015b): (a) its flexible structure allows its broad adaptation to diverse circumstances (for example, the broadly divergent allocation scenarios studied herein); (b) the calibration of the model is done in a straightforward way, to improve clarity and interpretation of model output (see below for further information); (c) the simplicity of the model structure makes it easier to employ in interdisciplinary modelling and participatory work; (d) the complexity of the model can be altered depending on the quality and quantity of resources available; (e) the model can be efficiently coded in popular nonlinear-optimisation software, such as the General Algebraic Modelling System (GAMS) (Brooke et al., 2014), that allows matrix generation; and (f) the use of optimisation allows the use of a consistent and structured objective to select between multiple alternative outcomes within a complex decision problem, encompassing multiple decision makers and complexities regarding diversity in relative profit. The utilisation of optimisation also allows for the straightforward representation of trading activity in a market for nutrient entitlements (Doole et al., 2011).

Optimisation of the economic model identifies the values for decision variables that maximises the total profit earned on farms across the catchment, subject to the constraints defined in the model. The primary decision variables in the model are those representing the area (ha) allocated to each management option within each land-use in each zone. Primary constraints are those limiting the land-use in a given zone to the area available within that spatial area. Total profit is determined through multiplication of the area of each land-use option employed and its associated level of profit per ha. The total nitrogen load is computed through the multiplication of the area of each land-use option employed and the nitrogen

leaching load per ha associated with each management option. With the introduction of a limit on nitrogen leaching, the area of each land-use utilised for a mitigation option, rather than a baseline (current) management option, will typically increase. This will concomitantly reduce nitrogen loss from that land area, but also increase/decrease profit. In some cases, it may be more cost-effective to change land-use away from the current land-use, in order to achieve a given nitrogen-leaching target at the catchment level. In this model, the limit for leaching is implemented through the representation of permits required for representative farms to leach, which are allocated among the population according to diverse systems (see below).

The optimisation model focuses on alternative steady-state or equilibrium outcomes. That is, it does not study the transition pathways between the current state and where alternative policy outcomes are predicted to lead. Indeed, it focuses solely on characterising just the equilibria themselves. This approach is consistent with standard practice regarding the economic evaluation of alternative environmental policy instruments (e.g. Hanley et al., 2007; Daigneault et al., 2012; Doole, 2013). It is possible to incorporate the study of temporal processes, such that the time path of adaptation practices can be characterised and then considered during evaluation (Pindyck, 2007). However, this is rare in practice, especially in the evaluation of regional policy, because (a) there is little empirical work available that characterises how farmers in the Lake Rotorua catchment would be expected to adapt to limits, (b) the scarcity of data is compounded when variation over time in key drivers of management behaviour (e.g. output price, input price, productivity, climate, innovation) is high and difficult to predict, (c) dynamic models are difficult to develop and utilise (Doole and Pannell, 2008), and (d) output from dynamic models is heavily biased by the initial and terminal conditions defined during model formulation (Klein-Haneveld and Stegeman, 2005). Overall, these issues provide a strong justification for the employment of a steady-state modelling framework.

Nevertheless, alternative approaches for the economic evaluation of environmental policy instruments exist.

Alternative approaches considered

A key alternate method involves the specification of a simple simulation model, commonly constructed in a spreadsheet and consisting of fewer than 25 equations. In sharp contrast to the model applied here, this would mean representing only a low number of land-uses and spatial parcels within the Lake Rotorua catchment. Indeed, while the LAM model applied here provides a much more refined characterisation of the catchment relative to these approaches (see below), it incorporates thousands of equations that complicate its development and interpretation (e.g. Doole, 2013). The output of a simple simulation model is typically explored using a set of agreed scenarios, as a central part of a participatory-modelling exercise conducted alongside stakeholders (Harris and Snelder, 2014). The goal of this approach is to provide greater clarity to a stakeholder group within a deliberative process, thereby improving their capacity to understand the key relationships central to the complex nonpoint-pollution problem faced within the catchment of interest. Indeed, it proactively deals with the high levels of uncertainty regarding input information, through focusing on simple relationships for which broad levels of agreement among stakeholders are present. However, it is less appropriate for the study of alternative allocation systems within the Lake Rotorua catchment relative to the LAM framework, because of the need to represent a significant number of alternative enterprise types and zones (that vary according to slope, rainfall, and soil type) to provide a rich description of the implications of alternative allocation and trading scenarios. Indeed, if such richness were not portrayed, then the portrayal of any market dynamics would be flawed given a dearth of heterogeneity in abatement cost that is required to drive the operation of an efficient trading mechanism for nutrient entitlements (Doole, 2010). Nevertheless, while an optimisation approach is used as a central part of the LAM application to identify the least-cost means of achieving a given objective with regards to a reduction in nitrogen loss, discrete scenarios associated with alternative allocation systems and expected levels of land-use change (as central to the use of this alternative simulation approach) are adopted. This helps to convey to the stakeholder group the relative importance of different policy mechanisms and institutional barriers.

A preference for the adoption of an optimisation approach also highlights the potential to utilise the NZFARM (New Zealand Forestry and Agriculture Regional Model) (Daigneault et al., 2012, 2014) framework. The LAM and NZFARM models are very similar, in that they both are strongly related to the standard neoclassical approach to evaluating catchment-level

environmental policies utilising mathematical programming (Wade and Heady, 1978). However, they differ markedly in their approach to calibration—the method used to ensure that the model returns the current land-use allocation. In contrast to the LAM framework, the NZFARM model employs a series of nonlinear functions—within a broad approach known as positive mathematical programming (PMP) (Howitt, 1995)—that direct a model to return an observed baseline land-use allocation, by manipulating the relative profitability of each individual land-use (Daigneault et al., 2012). Doole and Marsh (2014a, b) have recently highlighted how the NZFARM model may produce misleading results, due to its reliance on this method for calibrating the baseline land-use allocation. Their concern rests around five key issues:

1. There is an infinite number of sets of calibration function parameters that can generate the observed baseline land-use (Heckeley and Wolff, 2003).
2. Calibration does not use any information on how the relative value of land-uses changes as land-use allocation moves away from the observed baseline (Heckeley and Britz, 2000, 2005; Heckeley, 2002). Each one of the infinite sets of calibration function parameters—from which one is arbitrarily selected to calibrate the model to baseline data—yields a different policy response from the calibrated model. Thus, the way in which the model performs outside of the calibrated scenario is completely unpredictable (Heckeley, 2002).
3. The theoretical basis of PMP is, “weak or at least not apparent” (Heckeley and Wolff, 2003, p. 28).
4. The relative value of alternative land-use activities is altered through the introduction of calibration functions.
5. Functional forms used for calibration functions in PMP implementations are generally ad-hoc and difficult to justify (Heckeley and Wolff, 2003; Heckeley et al., 2012).

Daigneault et al. (2014), in response to the article generated by Doole and Marsh (2014a), highlighted that, “We use shadow prices from calibration constraints to obtain the difference between average and marginal returns to specify the parameters” (p. 2). This is noteworthy since it is this approach to PMP that has now been invalidated after a decade of theoretical and applied research (Heckeley, 2002; Heckeley et al., 2012).

In contrast, the LAM model is developed according to the philosophy that: (a) appropriate calibration functions are non-trivial to develop; (b) they introduce inherent bias in scenarios

away from the reported baseline (de Frahan et al., 2007); (c) they are difficult to explain to stakeholders, even those with training in economics; and (d) they distort the primary profit data that is a key input to the model. In the LAM framework, the division of each subcatchment into separate parcels—each containing individual representative farming systems—and the definition of appropriate transition costs avoids the need for calibration functions to balance land-use, and hence the bias these additions represent. Accordingly, land-use change is considered as a key part of scenario generation, with the type of alternative land-use and the specification of bounds for which changes in this alternative land-use can be exercised being important inputs to an iterative discussion regarding land-use change dynamics. Indeed, in this way, the specification of land-use change provides an opportunity for collaborative learning of the implications of changes in this important aspect of the overall mitigation approach employed. An evident limitation of this approach is that it does not consider explicitly historical trends regarding land-use change. Nevertheless, given that the introduction of nitrogen-leaching limits will alter the trajectory of land-use change relative to historical trends—in a way that is difficult to predict *a priori* (Lamblin et al., 2000)—the limitations associated with a more straightforward and clear specification are greatly reduced. Moreover, it overcomes the need to employ calibration functions that can provide smooth, but arbitrary and unjustified, responses outside of the status quo situation.

An additional alternative is the adoption of a systems-dynamic approach (e.g. Hart et al., 2013). This method involves the development of an integrated model that attempts to richly describe a broad range of factors associated with addressing a nonpoint-pollution problem, including biodiversity, climate, demography, economics, hydrology, and land-use. For example, the Waikato Integrated Scenario Explorer (WISE) model (Hart et al., 2013) incorporates a land-use model that determines how transition between alternative enterprises occurs under different circumstances. Within this model, the supply of land is dependent on land suitability, the proximity of other enterprises, and zoning restrictions, while the demand for land is driven by economic forces. Such an approach is unsuitable for this application given that system-dynamics models (a) provide no straightforward means to study allocation mechanisms for leaching entitlements given the absence of many key relationships (especially regarding the cost and leaching implications of alternative mitigation options); (b) no such framework has been constructed for the Lake Rotorua catchment and the time and cost required are above those levels available for this application; (c) system-dynamics models provide a rich description of many processes, for which data is scarce in the study

region and may be of only little relevance to the problem studied here; and (d) the dynamic processes studied within a systems-dynamics model introduce procedural difficulties, with respect to the complications associated with studying transition, that are outlined above. Accordingly, the equilibrium approach utilised within the LAM model is favoured, relative to this approach.

Agent-based models are another alternative. These involve the representation of individual farms and farmers, with each producer represented as a given type associated with a set of explicit behavioural rules guiding their decisions and interactions with others. These models have been applied throughout New Zealand; for example, in Canterbury (Daigneault and Morgan, 2012), Hawkes Bay (Schilling et al., 2012), Southland (NZIER, 2014), Taupo (Anastasiadis et al., 2013), and Waikato (Doole, 2010). Such frameworks provide a very rich description of individual agents, with diversity represented in risk aversion, personal networks, management objectives, and production-system intensity, among other factors. An agent-based framework is not utilised here because of a lack of suitable empirical data that can be used to generate a realistic description of the personal characteristics of diverse individual producers within the study region and/or allow a validation of model predictions outside of the baseline situation. These are common constraints accruing to the application of agent-based models (Windrum et al., 2007), but are particularly relevant in New Zealand because of privacy restrictions, integral data being held across diverse organisations (Doole et al., 2011), and the significant cost and time associated with collecting suitable data from producer populations to inform model development.