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Supplement of

The importance of parameterization when simulating the hydrologic response of vegetative land-cover change

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Supplementary Material: Table S1. Summary of SWAT model input variables included in the full parameters. Parameter descriptions refer to SWAT input variables as described in the SWAT documentation (Arnold and others, 2012a).

Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>alaimin_frsl</i>	value	0.375	1.125	subbasin deciduous forest dormant min leaf area index
<i>alaimin_frse</i>	value	0.375	1.125	subbasin evergreen forest dormant min leaf area index
<i>alaimin_rnge</i>	value	0.000	1.000	subbasin rangeland dormant min leaf area index
<i>alpha_bf_01</i>	multiplier	0.850	1.150	HRU 01 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_02</i>	multiplier	0.850	1.150	HRU 02 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_03</i>	multiplier	0.850	1.150	HRU 03 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_04</i>	multiplier	0.850	1.150	HRU 04 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_05</i>	multiplier	0.850	1.150	HRU 05 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_06</i>	multiplier	0.850	1.150	HRU 06 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_07</i>	multiplier	0.850	1.150	HRU 07 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_08</i>	multiplier	0.850	1.150	HRU 08 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_09</i>	multiplier	0.850	1.150	HRU 09 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_10</i>	multiplier	0.850	1.150	HRU 10 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_11</i>	multiplier	0.850	1.150	HRU 11 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_12</i>	multiplier	0.850	1.150	HRU 12 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_13</i>	multiplier	0.850	1.150	HRU 13 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_14</i>	multiplier	0.850	1.150	HRU 14 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_15</i>	multiplier	0.850	1.150	HRU 15 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_16</i>	multiplier	0.850	1.150	HRU 16 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_17</i>	multiplier	0.850	1.150	HRU 17 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_18</i>	multiplier	0.850	1.150	HRU 18 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_19</i>	multiplier	0.850	1.150	HRU 19 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_20</i>	multiplier	0.850	1.150	HRU 20 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_21</i>	multiplier	0.850	1.150	HRU 21 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_22</i>	multiplier	0.850	1.150	HRU 22 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_23</i>	multiplier	0.850	1.150	HRU 23 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_24</i>	multiplier	0.850	1.150	HRU 24 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_25</i>	multiplier	0.850	1.150	HRU 25 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_26</i>	multiplier	0.850	1.150	HRU 26 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_27</i>	multiplier	0.850	1.150	HRU 27 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_28</i>	multiplier	0.850	1.150	HRU 28 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_29</i>	multiplier	0.850	1.150	HRU 29 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_30</i>	multiplier	0.850	1.150	HRU 30 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_31</i>	multiplier	0.850	1.150	HRU 31 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_32</i>	multiplier	0.850	1.150	HRU 32 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_33</i>	multiplier	0.850	1.150	HRU 33 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_34</i>	multiplier	0.850	1.150	HRU 34 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_35</i>	multiplier	0.850	1.150	HRU 35 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_36</i>	multiplier	0.850	1.150	HRU 36 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_37</i>	multiplier	0.850	1.150	HRU 37 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_38</i>	multiplier	0.850	1.150	HRU 38 baseflow alpha factor ($\frac{1}{4}$)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>alpha_bf_39</i>	multiplier	0.850	1.150	HRU 39 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_40</i>	multiplier	0.850	1.150	HRU 40 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_41</i>	multiplier	0.850	1.150	HRU 41 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_42</i>	multiplier	0.850	1.150	HRU 42 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_43</i>	multiplier	0.850	1.150	HRU 43 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_44</i>	multiplier	0.850	1.150	HRU 44 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_45</i>	multiplier	0.850	1.150	HRU 45 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_46</i>	multiplier	0.850	1.150	HRU 46 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_47</i>	multiplier	0.850	1.150	HRU 47 baseflow alpha factor ($\frac{1}{4}$)
<i>alpha_bf_v</i>	value	0.100	0.500	subbasin baseflow alpha factor ($\frac{1}{4}$)
<i>blai_frsd</i>	value	2.500	7.500	subbasin deciduous forest max potential leaf area index
<i>blai_frse</i>	value	2.500	7.500	subbasin evergreen forest max potential leaf area index
<i>blai_rnge</i>	value	1.250	3.750	subbasin rangeland max potential leaf area index
<i>canmx_01</i>	multiplier	0.850	1.150	HRU 01 max canopy storage for evergreen forest (mm)
<i>canmx_02</i>	multiplier	0.850	1.150	HRU 02 max canopy storage for evergreen forest (mm)
<i>canmx_03</i>	multiplier	0.850	1.150	HRU 03 max canopy storage for evergreen forest (mm)
<i>canmx_04</i>	multiplier	0.850	1.150	HRU 04 max canopy storage for evergreen forest (mm)
<i>canmx_05</i>	multiplier	0.850	1.150	HRU 05 max canopy storage for evergreen forest (mm)
<i>canmx_06</i>	multiplier	0.850	1.150	HRU 06 max canopy storage for evergreen forest (mm)
<i>canmx_07</i>	multiplier	0.850	1.150	HRU 07 max canopy storage for evergreen forest (mm)
<i>canmx_08</i>	multiplier	0.850	1.150	HRU 08 max canopy storage for evergreen forest (mm)
<i>canmx_09</i>	multiplier	0.850	1.150	HRU 09 max canopy storage for evergreen forest (mm)
<i>canmx_10</i>	multiplier	0.850	1.150	HRU 10 max canopy storage for evergreen forest (mm)
<i>canmx_11</i>	multiplier	0.850	1.150	HRU 11 max canopy storage for evergreen forest (mm)
<i>canmx_12</i>	multiplier	0.850	1.150	HRU 12 max canopy storage for evergreen forest (mm)
<i>canmx_13</i>	multiplier	0.850	1.150	HRU 13 max canopy storage for evergreen forest (mm)
<i>canmx_14</i>	multiplier	0.850	1.150	HRU 14 max canopy storage for evergreen forest (mm)
<i>canmx_15</i>	multiplier	0.850	1.150	HRU 15 max canopy storage for evergreen forest (mm)
<i>canmx_16</i>	multiplier	0.850	1.150	HRU 16 max canopy storage for evergreen forest (mm)
<i>canmx_17</i>	multiplier	0.850	1.150	HRU 17 max canopy storage for evergreen forest (mm)
<i>canmx_18</i>	multiplier	0.850	1.150	HRU 18 max canopy storage for evergreen forest (mm)
<i>canmx_19</i>	multiplier	0.850	1.150	HRU 19 max canopy storage for evergreen forest (mm)
<i>canmx_20</i>	multiplier	0.850	1.150	HRU 20 max canopy storage for evergreen forest (mm)
<i>canmx_21</i>	multiplier	0.850	1.150	HRU 21 max canopy storage for evergreen forest (mm)
<i>canmx_22</i>	multiplier	0.850	1.150	HRU 22 max canopy storage for evergreen forest (mm)
<i>canmx_23</i>	multiplier	0.850	1.150	HRU 23 max canopy storage for evergreen forest (mm)
<i>canmx_24</i>	multiplier	0.850	1.150	HRU 24 max canopy storage for evergreen forest (mm)
<i>canmx_25</i>	multiplier	0.850	1.150	HRU 25 max canopy storage for evergreen forest (mm)
<i>canmx_26</i>	multiplier	0.850	1.150	HRU 26 max canopy storage for evergreen forest (mm)
<i>canmx_27</i>	multiplier	0.850	1.150	HRU 27 max canopy storage for evergreen forest (mm)
<i>canmx_28</i>	multiplier	0.850	1.150	HRU 28 max canopy storage for evergreen forest (mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>canmx_29</i>	multiplier	0.850	1.150	HRU 29 max canopy storage for evergreen forest (mm)
<i>canmx_30</i>	multiplier	0.850	1.150	HRU 30 max canopy storage for evergreen forest (mm)
<i>canmx_31</i>	multiplier	0.850	1.150	HRU 31 max canopy storage for evergreen forest (mm)
<i>canmx_32</i>	multiplier	0.850	1.150	HRU 32 max canopy storage for evergreen forest (mm)
<i>canmx_33</i>	multiplier	0.850	1.150	HRU 33 max canopy storage for evergreen forest (mm)
<i>canmx_34</i>	multiplier	0.850	1.150	HRU 34 max canopy storage for evergreen forest (mm)
<i>canmx_35</i>	multiplier	0.850	1.150	HRU 35 max canopy storage for evergreen forest (mm)
<i>canmx_36</i>	multiplier	0.850	1.150	HRU 36 max canopy storage for evergreen forest (mm)
<i>canmx_37</i>	multiplier	0.850	1.150	HRU 37 max canopy storage for evergreen forest (mm)
<i>canmx_38</i>	multiplier	0.850	1.150	HRU 38 max canopy storage for evergreen forest (mm)
<i>canmx_39</i>	multiplier	0.850	1.150	HRU 39 max canopy storage for evergreen forest (mm)
<i>canmx_40</i>	multiplier	0.850	1.150	HRU 40 max canopy storage for evergreen forest (mm)
<i>canmx_41</i>	multiplier	0.850	1.150	HRU 41 max canopy storage for evergreen forest (mm)
<i>canmx_42</i>	multiplier	0.850	1.150	HRU 42 max canopy storage for evergreen forest (mm)
<i>canmx_43</i>	multiplier	0.850	1.150	HRU 43 max canopy storage for evergreen forest (mm)
<i>canmx_44</i>	multiplier	0.850	1.150	HRU 44 max canopy storage for evergreen forest (mm)
<i>canmx_45</i>	multiplier	0.850	1.150	HRU 45 max canopy storage for evergreen forest (mm)
<i>canmx_46</i>	multiplier	0.850	1.150	HRU 46 max canopy storage for evergreen forest (mm)
<i>canmx_47</i>	multiplier	0.850	1.150	HRU 47 max canopy storage for evergreen forest (mm)
<i>canmx_v</i>	value	1.000	25.000	subbasin max canopy storage for evergreen forest (mm)
<i>canmxfac_07</i>	multiplier	0.250	1.000	HRU 07 decidous forest fraction of max canopy storage
<i>canmxfac_15</i>	multiplier	0.000	0.500	HRU 15 rangeland fraction of max canopy storage
<i>ch_k2_r</i>	multiplier	0.750	2.000	subbasin main channel alluvium hydraulic conductivity (mm/hr)
<i>ch_n2_r</i>	multiplier	1.000	5.000	subbasin main channel Manning's 'n'
<i>cn2_01</i>	multiplier	0.850	1.150	HRU 01 soil moisture condition II curve number
<i>cn2_02</i>	multiplier	0.850	1.150	HRU 02 soil moisture condition II curve number
<i>cn2_03</i>	multiplier	0.850	1.150	HRU 03 soil moisture condition II curve number
<i>cn2_04</i>	multiplier	0.850	1.150	HRU 04 soil moisture condition II curve number
<i>cn2_05</i>	multiplier	0.850	1.150	HRU 05 soil moisture condition II curve number
<i>cn2_06</i>	multiplier	0.850	1.150	HRU 06 soil moisture condition II curve number
<i>cn2_07</i>	multiplier	0.850	1.150	HRU 07 soil moisture condition II curve number
<i>cn2_08</i>	multiplier	0.850	1.150	HRU 08 soil moisture condition II curve number
<i>cn2_09</i>	multiplier	0.850	1.150	HRU 09 soil moisture condition II curve number
<i>cn2_10</i>	multiplier	0.850	1.150	HRU 10 soil moisture condition II curve number
<i>cn2_11</i>	multiplier	0.850	1.150	HRU 11 soil moisture condition II curve number
<i>cn2_12</i>	multiplier	0.850	1.150	HRU 12 soil moisture condition II curve number
<i>cn2_13</i>	multiplier	0.850	1.150	HRU 13 soil moisture condition II curve number
<i>cn2_14</i>	multiplier	0.850	1.150	HRU 14 soil moisture condition II curve number
<i>cn2_15</i>	multiplier	0.850	1.150	HRU 15 soil moisture condition II curve number
<i>cn2_16</i>	multiplier	0.850	1.150	HRU 16 soil moisture condition II curve number
<i>cn2_17</i>	multiplier	0.850	1.150	HRU 17 soil moisture condition II curve number

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>cn2_18</i>	multiplier	0.850	1.150	HRU 18 soil moisture condition II curve number
<i>cn2_19</i>	multiplier	0.850	1.150	HRU 19 soil moisture condition II curve number
<i>cn2_20</i>	multiplier	0.850	1.150	HRU 20 soil moisture condition II curve number
<i>cn2_21</i>	multiplier	0.850	1.150	HRU 21 soil moisture condition II curve number
<i>cn2_22</i>	multiplier	0.850	1.150	HRU 22 soil moisture condition II curve number
<i>cn2_23</i>	multiplier	0.850	1.150	HRU 23 soil moisture condition II curve number
<i>cn2_24</i>	multiplier	0.850	1.150	HRU 24 soil moisture condition II curve number
<i>cn2_25</i>	multiplier	0.850	1.150	HRU 25 soil moisture condition II curve number
<i>cn2_26</i>	multiplier	0.850	1.150	HRU 26 soil moisture condition II curve number
<i>cn2_27</i>	multiplier	0.850	1.150	HRU 27 soil moisture condition II curve number
<i>cn2_28</i>	multiplier	0.850	1.150	HRU 28 soil moisture condition II curve number
<i>cn2_29</i>	multiplier	0.850	1.150	HRU 29 soil moisture condition II curve number
<i>cn2_30</i>	multiplier	0.850	1.150	HRU 30 soil moisture condition II curve number
<i>cn2_31</i>	multiplier	0.850	1.150	HRU 31 soil moisture condition II curve number
<i>cn2_32</i>	multiplier	0.850	1.150	HRU 32 soil moisture condition II curve number
<i>cn2_33</i>	multiplier	0.850	1.150	HRU 33 soil moisture condition II curve number
<i>cn2_34</i>	multiplier	0.850	1.150	HRU 34 soil moisture condition II curve number
<i>cn2_35</i>	multiplier	0.850	1.150	HRU 35 soil moisture condition II curve number
<i>cn2_36</i>	multiplier	0.850	1.150	HRU 36 soil moisture condition II curve number
<i>cn2_37</i>	multiplier	0.850	1.150	HRU 37 soil moisture condition II curve number
<i>cn2_38</i>	multiplier	0.850	1.150	HRU 38 soil moisture condition II curve number
<i>cn2_39</i>	multiplier	0.850	1.150	HRU 39 soil moisture condition II curve number
<i>cn2_40</i>	multiplier	0.850	1.150	HRU 40 soil moisture condition II curve number
<i>cn2_41</i>	multiplier	0.850	1.150	HRU 41 soil moisture condition II curve number
<i>cn2_42</i>	multiplier	0.850	1.150	HRU 42 soil moisture condition II curve number
<i>cn2_43</i>	multiplier	0.850	1.150	HRU 43 soil moisture condition II curve number
<i>cn2_44</i>	multiplier	0.850	1.150	HRU 44 soil moisture condition II curve number
<i>cn2_45</i>	multiplier	0.850	1.150	HRU 45 soil moisture condition II curve number
<i>cn2_46</i>	multiplier	0.850	1.150	HRU 46 soil moisture condition II curve number
<i>cn2_47</i>	multiplier	0.850	1.150	HRU 47 soil moisture condition II curve number
<i>cn2_r</i>	multiplier	0.500	1.500	subbasin soil moisture condition II curve number
<i>cncoef_r</i>	multiplier	0.500	1.500	subbasin plant ET curve number coefficient
<i>dlai_frsd</i>	value	0.495	1.485	subbasin deciduous forest frac growing season to start LAI decline
<i>dlai_frse</i>	value	0.495	1.485	subbasin evergreen forest frac growing season to start LAI decline
<i>dlai_rnge</i>	value	0.175	0.525	subbasin rangeland frac growing season to start LAI decline
<i>dorm_hr_v</i>	value	0.000	4.000	subbasin dormancy time threshold (hrs)
<i>epco_01</i>	multiplier	0.850	1.150	HRU 01 plant uptake compensation factor
<i>epco_02</i>	multiplier	0.850	1.150	HRU 02 plant uptake compensation factor
<i>epco_03</i>	multiplier	0.850	1.150	HRU 03 plant uptake compensation factor
<i>epco_04</i>	multiplier	0.850	1.150	HRU 04 plant uptake compensation factor
<i>epco_05</i>	multiplier	0.850	1.150	HRU 05 plant uptake compensation factor

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>epco_06</i>	multiplier	0.850	1.150	HRU 06 plant uptake compensation factor
<i>epco_07</i>	multiplier	0.850	1.150	HRU 07 plant uptake compensation factor
<i>epco_08</i>	multiplier	0.850	1.150	HRU 08 plant uptake compensation factor
<i>epco_09</i>	multiplier	0.850	1.150	HRU 09 plant uptake compensation factor
<i>epco_10</i>	multiplier	0.850	1.150	HRU 10 plant uptake compensation factor
<i>epco_11</i>	multiplier	0.850	1.150	HRU 11 plant uptake compensation factor
<i>epco_12</i>	multiplier	0.850	1.150	HRU 12 plant uptake compensation factor
<i>epco_13</i>	multiplier	0.850	1.150	HRU 13 plant uptake compensation factor
<i>epco_14</i>	multiplier	0.850	1.150	HRU 14 plant uptake compensation factor
<i>epco_15</i>	multiplier	0.850	1.150	HRU 15 plant uptake compensation factor
<i>epco_16</i>	multiplier	0.850	1.150	HRU 16 plant uptake compensation factor
<i>epco_17</i>	multiplier	0.850	1.150	HRU 17 plant uptake compensation factor
<i>epco_18</i>	multiplier	0.850	1.150	HRU 18 plant uptake compensation factor
<i>epco_19</i>	multiplier	0.850	1.150	HRU 19 plant uptake compensation factor
<i>epco_20</i>	multiplier	0.850	1.150	HRU 20 plant uptake compensation factor
<i>epco_21</i>	multiplier	0.850	1.150	HRU 21 plant uptake compensation factor
<i>epco_22</i>	multiplier	0.850	1.150	HRU 22 plant uptake compensation factor
<i>epco_23</i>	multiplier	0.850	1.150	HRU 23 plant uptake compensation factor
<i>epco_24</i>	multiplier	0.850	1.150	HRU 24 plant uptake compensation factor
<i>epco_25</i>	multiplier	0.850	1.150	HRU 25 plant uptake compensation factor
<i>epco_26</i>	multiplier	0.850	1.150	HRU 26 plant uptake compensation factor
<i>epco_27</i>	multiplier	0.850	1.150	HRU 27 plant uptake compensation factor
<i>epco_28</i>	multiplier	0.850	1.150	HRU 28 plant uptake compensation factor
<i>epco_29</i>	multiplier	0.850	1.150	HRU 29 plant uptake compensation factor
<i>epco_30</i>	multiplier	0.850	1.150	HRU 30 plant uptake compensation factor
<i>epco_31</i>	multiplier	0.850	1.150	HRU 31 plant uptake compensation factor
<i>epco_32</i>	multiplier	0.850	1.150	HRU 32 plant uptake compensation factor
<i>epco_33</i>	multiplier	0.850	1.150	HRU 33 plant uptake compensation factor
<i>epco_34</i>	multiplier	0.850	1.150	HRU 34 plant uptake compensation factor
<i>epco_35</i>	multiplier	0.850	1.150	HRU 35 plant uptake compensation factor
<i>epco_36</i>	multiplier	0.850	1.150	HRU 36 plant uptake compensation factor
<i>epco_37</i>	multiplier	0.850	1.150	HRU 37 plant uptake compensation factor
<i>epco_38</i>	multiplier	0.850	1.150	HRU 38 plant uptake compensation factor
<i>epco_39</i>	multiplier	0.850	1.150	HRU 39 plant uptake compensation factor
<i>epco_40</i>	multiplier	0.850	1.150	HRU 40 plant uptake compensation factor
<i>epco_41</i>	multiplier	0.850	1.150	HRU 41 plant uptake compensation factor
<i>epco_42</i>	multiplier	0.850	1.150	HRU 42 plant uptake compensation factor
<i>epco_43</i>	multiplier	0.850	1.150	HRU 43 plant uptake compensation factor
<i>epco_44</i>	multiplier	0.850	1.150	HRU 44 plant uptake compensation factor
<i>epco_45</i>	multiplier	0.850	1.150	HRU 45 plant uptake compensation factor
<i>epco_46</i>	multiplier	0.850	1.150	HRU 46 plant uptake compensation factor

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>epco_47</i>	multiplier	0.850	1.150	HRU 47 plant uptake compensation factor
<i>epco_v</i>	value	0.500	0.980	subbasin plant uptake compensation factor
<i>esco_01</i>	multiplier	0.850	1.150	HRU 01 soil evaporation compensation factor
<i>esco_02</i>	multiplier	0.850	1.150	HRU 02 soil evaporation compensation factor
<i>esco_03</i>	multiplier	0.850	1.150	HRU 03 soil evaporation compensation factor
<i>esco_04</i>	multiplier	0.850	1.150	HRU 04 soil evaporation compensation factor
<i>esco_05</i>	multiplier	0.850	1.150	HRU 05 soil evaporation compensation factor
<i>esco_06</i>	multiplier	0.850	1.150	HRU 06 soil evaporation compensation factor
<i>esco_07</i>	multiplier	0.850	1.150	HRU 07 soil evaporation compensation factor
<i>esco_08</i>	multiplier	0.850	1.150	HRU 08 soil evaporation compensation factor
<i>esco_09</i>	multiplier	0.850	1.150	HRU 09 soil evaporation compensation factor
<i>esco_10</i>	multiplier	0.850	1.150	HRU 10 soil evaporation compensation factor
<i>esco_11</i>	multiplier	0.850	1.150	HRU 11 soil evaporation compensation factor
<i>esco_12</i>	multiplier	0.850	1.150	HRU 12 soil evaporation compensation factor
<i>esco_13</i>	multiplier	0.850	1.150	HRU 13 soil evaporation compensation factor
<i>esco_14</i>	multiplier	0.850	1.150	HRU 14 soil evaporation compensation factor
<i>esco_15</i>	multiplier	0.850	1.150	HRU 15 soil evaporation compensation factor
<i>esco_16</i>	multiplier	0.850	1.150	HRU 16 soil evaporation compensation factor
<i>esco_17</i>	multiplier	0.850	1.150	HRU 17 soil evaporation compensation factor
<i>esco_18</i>	multiplier	0.850	1.150	HRU 18 soil evaporation compensation factor
<i>esco_19</i>	multiplier	0.850	1.150	HRU 19 soil evaporation compensation factor
<i>esco_20</i>	multiplier	0.850	1.150	HRU 20 soil evaporation compensation factor
<i>esco_21</i>	multiplier	0.850	1.150	HRU 21 soil evaporation compensation factor
<i>esco_22</i>	multiplier	0.850	1.150	HRU 22 soil evaporation compensation factor
<i>esco_23</i>	multiplier	0.850	1.150	HRU 23 soil evaporation compensation factor
<i>esco_24</i>	multiplier	0.850	1.150	HRU 24 soil evaporation compensation factor
<i>esco_25</i>	multiplier	0.850	1.150	HRU 25 soil evaporation compensation factor
<i>esco_26</i>	multiplier	0.850	1.150	HRU 26 soil evaporation compensation factor
<i>esco_27</i>	multiplier	0.850	1.150	HRU 27 soil evaporation compensation factor
<i>esco_28</i>	multiplier	0.850	1.150	HRU 28 soil evaporation compensation factor
<i>esco_29</i>	multiplier	0.850	1.150	HRU 29 soil evaporation compensation factor
<i>esco_30</i>	multiplier	0.850	1.150	HRU 30 soil evaporation compensation factor
<i>esco_31</i>	multiplier	0.850	1.150	HRU 31 soil evaporation compensation factor
<i>esco_32</i>	multiplier	0.850	1.150	HRU 32 soil evaporation compensation factor
<i>esco_33</i>	multiplier	0.850	1.150	HRU 33 soil evaporation compensation factor
<i>esco_34</i>	multiplier	0.850	1.150	HRU 34 soil evaporation compensation factor
<i>esco_35</i>	multiplier	0.850	1.150	HRU 35 soil evaporation compensation factor
<i>esco_36</i>	multiplier	0.850	1.150	HRU 36 soil evaporation compensation factor
<i>esco_37</i>	multiplier	0.850	1.150	HRU 37 soil evaporation compensation factor
<i>esco_38</i>	multiplier	0.850	1.150	HRU 38 soil evaporation compensation factor
<i>esco_39</i>	multiplier	0.850	1.150	HRU 39 soil evaporation compensation factor

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>esco_40</i>	multiplier	0.850	1.150	HRU 40 soil evaporation compensation factor
<i>esco_41</i>	multiplier	0.850	1.150	HRU 41 soil evaporation compensation factor
<i>esco_42</i>	multiplier	0.850	1.150	HRU 42 soil evaporation compensation factor
<i>esco_43</i>	multiplier	0.850	1.150	HRU 43 soil evaporation compensation factor
<i>esco_44</i>	multiplier	0.850	1.150	HRU 44 soil evaporation compensation factor
<i>esco_45</i>	multiplier	0.850	1.150	HRU 45 soil evaporation compensation factor
<i>esco_46</i>	multiplier	0.850	1.150	HRU 46 soil evaporation compensation factor
<i>esco_47</i>	multiplier	0.850	1.150	HRU 47 soil evaporation compensation factor
<i>esco_v</i>	value	0.500	0.980	subbasin soil evaporation compensation factor
<i>evrch_r</i>	multiplier	0.500	1.500	subbasin reach evaporation adjustment factor
<i>gw_delay_01</i>	multiplier	0.850	1.150	HRU 01 groundwater delay time (days)
<i>gw_delay_02</i>	multiplier	0.850	1.150	HRU 02 groundwater delay time (days)
<i>gw_delay_03</i>	multiplier	0.850	1.150	HRU 03 groundwater delay time (days)
<i>gw_delay_04</i>	multiplier	0.850	1.150	HRU 04 groundwater delay time (days)
<i>gw_delay_05</i>	multiplier	0.850	1.150	HRU 05 groundwater delay time (days)
<i>gw_delay_06</i>	multiplier	0.850	1.150	HRU 06 groundwater delay time (days)
<i>gw_delay_07</i>	multiplier	0.850	1.150	HRU 07 groundwater delay time (days)
<i>gw_delay_08</i>	multiplier	0.850	1.150	HRU 08 groundwater delay time (days)
<i>gw_delay_09</i>	multiplier	0.850	1.150	HRU 09 groundwater delay time (days)
<i>gw_delay_10</i>	multiplier	0.850	1.150	HRU 10 groundwater delay time (days)
<i>gw_delay_11</i>	multiplier	0.850	1.150	HRU 11 groundwater delay time (days)
<i>gw_delay_12</i>	multiplier	0.850	1.150	HRU 12 groundwater delay time (days)
<i>gw_delay_13</i>	multiplier	0.850	1.150	HRU 13 groundwater delay time (days)
<i>gw_delay_14</i>	multiplier	0.850	1.150	HRU 14 groundwater delay time (days)
<i>gw_delay_15</i>	multiplier	0.850	1.150	HRU 15 groundwater delay time (days)
<i>gw_delay_16</i>	multiplier	0.850	1.150	HRU 16 groundwater delay time (days)
<i>gw_delay_17</i>	multiplier	0.850	1.150	HRU 17 groundwater delay time (days)
<i>gw_delay_18</i>	multiplier	0.850	1.150	HRU 18 groundwater delay time (days)
<i>gw_delay_19</i>	multiplier	0.850	1.150	HRU 19 groundwater delay time (days)
<i>gw_delay_20</i>	multiplier	0.850	1.150	HRU 20 groundwater delay time (days)
<i>gw_delay_21</i>	multiplier	0.850	1.150	HRU 21 groundwater delay time (days)
<i>gw_delay_22</i>	multiplier	0.850	1.150	HRU 22 groundwater delay time (days)
<i>gw_delay_23</i>	multiplier	0.850	1.150	HRU 23 groundwater delay time (days)
<i>gw_delay_24</i>	multiplier	0.850	1.150	HRU 24 groundwater delay time (days)
<i>gw_delay_25</i>	multiplier	0.850	1.150	HRU 25 groundwater delay time (days)
<i>gw_delay_26</i>	multiplier	0.850	1.150	HRU 26 groundwater delay time (days)
<i>gw_delay_27</i>	multiplier	0.850	1.150	HRU 27 groundwater delay time (days)
<i>gw_delay_28</i>	multiplier	0.850	1.150	HRU 28 groundwater delay time (days)
<i>gw_delay_29</i>	multiplier	0.850	1.150	HRU 29 groundwater delay time (days)
<i>gw_delay_30</i>	multiplier	0.850	1.150	HRU 30 groundwater delay time (days)
<i>gw_delay_31</i>	multiplier	0.850	1.150	HRU 31 groundwater delay time (days)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>gw_delay_32</i>	multiplier	0.850	1.150	HRU 32 groundwater delay time (days)
<i>gw_delay_33</i>	multiplier	0.850	1.150	HRU 33 groundwater delay time (days)
<i>gw_delay_34</i>	multiplier	0.850	1.150	HRU 34 groundwater delay time (days)
<i>gw_delay_35</i>	multiplier	0.850	1.150	HRU 35 groundwater delay time (days)
<i>gw_delay_36</i>	multiplier	0.850	1.150	HRU 36 groundwater delay time (days)
<i>gw_delay_37</i>	multiplier	0.850	1.150	HRU 37 groundwater delay time (days)
<i>gw_delay_38</i>	multiplier	0.850	1.150	HRU 38 groundwater delay time (days)
<i>gw_delay_39</i>	multiplier	0.850	1.150	HRU 39 groundwater delay time (days)
<i>gw_delay_40</i>	multiplier	0.850	1.150	HRU 40 groundwater delay time (days)
<i>gw_delay_41</i>	multiplier	0.850	1.150	HRU 41 groundwater delay time (days)
<i>gw_delay_42</i>	multiplier	0.850	1.150	HRU 42 groundwater delay time (days)
<i>gw_delay_43</i>	multiplier	0.850	1.150	HRU 43 groundwater delay time (days)
<i>gw_delay_44</i>	multiplier	0.850	1.150	HRU 44 groundwater delay time (days)
<i>gw_delay_45</i>	multiplier	0.850	1.150	HRU 45 groundwater delay time (days)
<i>gw_delay_46</i>	multiplier	0.850	1.150	HRU 46 groundwater delay time (days)
<i>gw_delay_47</i>	multiplier	0.850	1.150	HRU 47 groundwater delay time (days)
<i>gw_delay_v</i>	value	10.000	300.000	subbasin groundwater delay time (days)
<i>gw_revap_01</i>	multiplier	0.850	1.150	HRU 01 groundwater 'revap' coefficient
<i>gw_revap_02</i>	multiplier	0.850	1.150	HRU 02 groundwater 'revap' coefficient
<i>gw_revap_03</i>	multiplier	0.850	1.150	HRU 03 groundwater 'revap' coefficient
<i>gw_revap_04</i>	multiplier	0.850	1.150	HRU 04 groundwater 'revap' coefficient
<i>gw_revap_05</i>	multiplier	0.850	1.150	HRU 05 groundwater 'revap' coefficient
<i>gw_revap_06</i>	multiplier	0.850	1.150	HRU 06 groundwater 'revap' coefficient
<i>gw_revap_07</i>	multiplier	0.850	1.150	HRU 07 groundwater 'revap' coefficient
<i>gw_revap_08</i>	multiplier	0.850	1.150	HRU 08 groundwater 'revap' coefficient
<i>gw_revap_09</i>	multiplier	0.850	1.150	HRU 09 groundwater 'revap' coefficient
<i>gw_revap_10</i>	multiplier	0.850	1.150	HRU 10 groundwater 'revap' coefficient
<i>gw_revap_11</i>	multiplier	0.850	1.150	HRU 11 groundwater 'revap' coefficient
<i>gw_revap_12</i>	multiplier	0.850	1.150	HRU 12 groundwater 'revap' coefficient
<i>gw_revap_13</i>	multiplier	0.850	1.150	HRU 13 groundwater 'revap' coefficient
<i>gw_revap_14</i>	multiplier	0.850	1.150	HRU 14 groundwater 'revap' coefficient
<i>gw_revap_15</i>	multiplier	0.850	1.150	HRU 15 groundwater 'revap' coefficient
<i>gw_revap_16</i>	multiplier	0.850	1.150	HRU 16 groundwater 'revap' coefficient
<i>gw_revap_17</i>	multiplier	0.850	1.150	HRU 17 groundwater 'revap' coefficient
<i>gw_revap_18</i>	multiplier	0.850	1.150	HRU 18 groundwater 'revap' coefficient
<i>gw_revap_19</i>	multiplier	0.850	1.150	HRU 19 groundwater 'revap' coefficient
<i>gw_revap_20</i>	multiplier	0.850	1.150	HRU 20 groundwater 'revap' coefficient
<i>gw_revap_21</i>	multiplier	0.850	1.150	HRU 21 groundwater 'revap' coefficient
<i>gw_revap_22</i>	multiplier	0.850	1.150	HRU 22 groundwater 'revap' coefficient
<i>gw_revap_23</i>	multiplier	0.850	1.150	HRU 23 groundwater 'revap' coefficient
<i>gw_revap_24</i>	multiplier	0.850	1.150	HRU 24 groundwater 'revap' coefficient

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>gw_revap_25</i>	multiplier	0.850	1.150	HRU 25 groundwater 'revap' coefficient
<i>gw_revap_26</i>	multiplier	0.850	1.150	HRU 26 groundwater 'revap' coefficient
<i>gw_revap_27</i>	multiplier	0.850	1.150	HRU 27 groundwater 'revap' coefficient
<i>gw_revap_28</i>	multiplier	0.850	1.150	HRU 28 groundwater 'revap' coefficient
<i>gw_revap_29</i>	multiplier	0.850	1.150	HRU 29 groundwater 'revap' coefficient
<i>gw_revap_30</i>	multiplier	0.850	1.150	HRU 30 groundwater 'revap' coefficient
<i>gw_revap_31</i>	multiplier	0.850	1.150	HRU 31 groundwater 'revap' coefficient
<i>gw_revap_32</i>	multiplier	0.850	1.150	HRU 32 groundwater 'revap' coefficient
<i>gw_revap_33</i>	multiplier	0.850	1.150	HRU 33 groundwater 'revap' coefficient
<i>gw_revap_34</i>	multiplier	0.850	1.150	HRU 34 groundwater 'revap' coefficient
<i>gw_revap_35</i>	multiplier	0.850	1.150	HRU 35 groundwater 'revap' coefficient
<i>gw_revap_36</i>	multiplier	0.850	1.150	HRU 36 groundwater 'revap' coefficient
<i>gw_revap_37</i>	multiplier	0.850	1.150	HRU 37 groundwater 'revap' coefficient
<i>gw_revap_38</i>	multiplier	0.850	1.150	HRU 38 groundwater 'revap' coefficient
<i>gw_revap_39</i>	multiplier	0.850	1.150	HRU 39 groundwater 'revap' coefficient
<i>gw_revap_40</i>	multiplier	0.850	1.150	HRU 40 groundwater 'revap' coefficient
<i>gw_revap_41</i>	multiplier	0.850	1.150	HRU 41 groundwater 'revap' coefficient
<i>gw_revap_42</i>	multiplier	0.850	1.150	HRU 42 groundwater 'revap' coefficient
<i>gw_revap_43</i>	multiplier	0.850	1.150	HRU 43 groundwater 'revap' coefficient
<i>gw_revap_44</i>	multiplier	0.850	1.150	HRU 44 groundwater 'revap' coefficient
<i>gw_revap_45</i>	multiplier	0.850	1.150	HRU 45 groundwater 'revap' coefficient
<i>gw_revap_46</i>	multiplier	0.850	1.150	HRU 46 groundwater 'revap' coefficient
<i>gw_revap_47</i>	multiplier	0.850	1.150	HRU 47 groundwater 'revap' coefficient
<i>gw_revap_v</i>	value	0.020	0.400	subbasin groundwater 'revap' coefficient
<i>gwqmn_01</i>	multiplier	0.850	1.150	HRU 01 groundwater threshold return flow depth (mm)
<i>gwqmn_02</i>	multiplier	0.850	1.150	HRU 02 groundwater threshold return flow depth (mm)
<i>gwqmn_03</i>	multiplier	0.850	1.150	HRU 03 groundwater threshold return flow depth (mm)
<i>gwqmn_04</i>	multiplier	0.850	1.150	HRU 04 groundwater threshold return flow depth (mm)
<i>gwqmn_05</i>	multiplier	0.850	1.150	HRU 05 groundwater threshold return flow depth (mm)
<i>gwqmn_06</i>	multiplier	0.850	1.150	HRU 06 groundwater threshold return flow depth (mm)
<i>gwqmn_07</i>	multiplier	0.850	1.150	HRU 07 groundwater threshold return flow depth (mm)
<i>gwqmn_08</i>	multiplier	0.850	1.150	HRU 08 groundwater threshold return flow depth (mm)
<i>gwqmn_09</i>	multiplier	0.850	1.150	HRU 09 groundwater threshold return flow depth (mm)
<i>gwqmn_10</i>	multiplier	0.850	1.150	HRU 10 groundwater threshold return flow depth (mm)
<i>gwqmn_11</i>	multiplier	0.850	1.150	HRU 11 groundwater threshold return flow depth (mm)
<i>gwqmn_12</i>	multiplier	0.850	1.150	HRU 12 groundwater threshold return flow depth (mm)
<i>gwqmn_13</i>	multiplier	0.850	1.150	HRU 13 groundwater threshold return flow depth (mm)
<i>gwqmn_14</i>	multiplier	0.850	1.150	HRU 14 groundwater threshold return flow depth (mm)
<i>gwqmn_15</i>	multiplier	0.850	1.150	HRU 15 groundwater threshold return flow depth (mm)
<i>gwqmn_16</i>	multiplier	0.850	1.150	HRU 16 groundwater threshold return flow depth (mm)
<i>gwqmn_17</i>	multiplier	0.850	1.150	HRU 17 groundwater threshold return flow depth (mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>gwqmn_18</i>	multiplier	0.850	1.150	HRU 18 groundwater threshold return flow depth (mm)
<i>gwqmn_19</i>	multiplier	0.850	1.150	HRU 19 groundwater threshold return flow depth (mm)
<i>gwqmn_20</i>	multiplier	0.850	1.150	HRU 20 groundwater threshold return flow depth (mm)
<i>gwqmn_21</i>	multiplier	0.850	1.150	HRU 21 groundwater threshold return flow depth (mm)
<i>gwqmn_22</i>	multiplier	0.850	1.150	HRU 22 groundwater threshold return flow depth (mm)
<i>gwqmn_23</i>	multiplier	0.850	1.150	HRU 23 groundwater threshold return flow depth (mm)
<i>gwqmn_24</i>	multiplier	0.850	1.150	HRU 24 groundwater threshold return flow depth (mm)
<i>gwqmn_25</i>	multiplier	0.850	1.150	HRU 25 groundwater threshold return flow depth (mm)
<i>gwqmn_26</i>	multiplier	0.850	1.150	HRU 26 groundwater threshold return flow depth (mm)
<i>gwqmn_27</i>	multiplier	0.850	1.150	HRU 27 groundwater threshold return flow depth (mm)
<i>gwqmn_28</i>	multiplier	0.850	1.150	HRU 28 groundwater threshold return flow depth (mm)
<i>gwqmn_29</i>	multiplier	0.850	1.150	HRU 29 groundwater threshold return flow depth (mm)
<i>gwqmn_30</i>	multiplier	0.850	1.150	HRU 30 groundwater threshold return flow depth (mm)
<i>gwqmn_31</i>	multiplier	0.850	1.150	HRU 31 groundwater threshold return flow depth (mm)
<i>gwqmn_32</i>	multiplier	0.850	1.150	HRU 32 groundwater threshold return flow depth (mm)
<i>gwqmn_33</i>	multiplier	0.850	1.150	HRU 33 groundwater threshold return flow depth (mm)
<i>gwqmn_34</i>	multiplier	0.850	1.150	HRU 34 groundwater threshold return flow depth (mm)
<i>gwqmn_35</i>	multiplier	0.850	1.150	HRU 35 groundwater threshold return flow depth (mm)
<i>gwqmn_36</i>	multiplier	0.850	1.150	HRU 36 groundwater threshold return flow depth (mm)
<i>gwqmn_37</i>	multiplier	0.850	1.150	HRU 37 groundwater threshold return flow depth (mm)
<i>gwqmn_38</i>	multiplier	0.850	1.150	HRU 38 groundwater threshold return flow depth (mm)
<i>gwqmn_39</i>	multiplier	0.850	1.150	HRU 39 groundwater threshold return flow depth (mm)
<i>gwqmn_40</i>	multiplier	0.850	1.150	HRU 40 groundwater threshold return flow depth (mm)
<i>gwqmn_41</i>	multiplier	0.850	1.150	HRU 41 groundwater threshold return flow depth (mm)
<i>gwqmn_42</i>	multiplier	0.850	1.150	HRU 42 groundwater threshold return flow depth (mm)
<i>gwqmn_43</i>	multiplier	0.850	1.150	HRU 43 groundwater threshold return flow depth (mm)
<i>gwqmn_44</i>	multiplier	0.850	1.150	HRU 44 groundwater threshold return flow depth (mm)
<i>gwqmn_45</i>	multiplier	0.850	1.150	HRU 45 groundwater threshold return flow depth (mm)
<i>gwqmn_46</i>	multiplier	0.850	1.150	HRU 46 groundwater threshold return flow depth (mm)
<i>gwqmn_47</i>	multiplier	0.850	1.150	HRU 47 groundwater threshold return flow depth (mm)
<i>gwqmn_v</i>	value	500.000	4000.000	subbasin groundwater threshold return flow depth (mm)
<i>hru_slp_01</i>	multiplier	0.850	1.150	HRU 01 average slope steepness (m/m)
<i>hru_slp_02</i>	multiplier	0.850	1.150	HRU 02 average slope steepness (m/m)
<i>hru_slp_03</i>	multiplier	0.850	1.150	HRU 03 average slope steepness (m/m)
<i>hru_slp_04</i>	multiplier	0.850	1.150	HRU 04 average slope steepness (m/m)
<i>hru_slp_05</i>	multiplier	0.850	1.150	HRU 05 average slope steepness (m/m)
<i>hru_slp_06</i>	multiplier	0.850	1.150	HRU 06 average slope steepness (m/m)
<i>hru_slp_07</i>	multiplier	0.850	1.150	HRU 07 average slope steepness (m/m)
<i>hru_slp_08</i>	multiplier	0.850	1.150	HRU 08 average slope steepness (m/m)
<i>hru_slp_09</i>	multiplier	0.850	1.150	HRU 09 average slope steepness (m/m)
<i>hru_slp_10</i>	multiplier	0.850	1.150	HRU 10 average slope steepness (m/m)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>hru_slp_11</i>	multiplier	0.850	1.150	HRU 11 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_12</i>	multiplier	0.850	1.150	HRU 12 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_13</i>	multiplier	0.850	1.150	HRU 13 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_14</i>	multiplier	0.850	1.150	HRU 14 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_15</i>	multiplier	0.850	1.150	HRU 15 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_16</i>	multiplier	0.850	1.150	HRU 16 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_17</i>	multiplier	0.850	1.150	HRU 17 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_18</i>	multiplier	0.850	1.150	HRU 18 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_19</i>	multiplier	0.850	1.150	HRU 19 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_20</i>	multiplier	0.850	1.150	HRU 20 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_21</i>	multiplier	0.850	1.150	HRU 21 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_22</i>	multiplier	0.850	1.150	HRU 22 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_23</i>	multiplier	0.850	1.150	HRU 23 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_24</i>	multiplier	0.850	1.150	HRU 24 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_25</i>	multiplier	0.850	1.150	HRU 25 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_26</i>	multiplier	0.850	1.150	HRU 26 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_27</i>	multiplier	0.850	1.150	HRU 27 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_28</i>	multiplier	0.850	1.150	HRU 28 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_29</i>	multiplier	0.850	1.150	HRU 29 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_30</i>	multiplier	0.850	1.150	HRU 30 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_31</i>	multiplier	0.850	1.150	HRU 31 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_32</i>	multiplier	0.850	1.150	HRU 32 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_33</i>	multiplier	0.850	1.150	HRU 33 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_34</i>	multiplier	0.850	1.150	HRU 34 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_35</i>	multiplier	0.850	1.150	HRU 35 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_36</i>	multiplier	0.850	1.150	HRU 36 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_37</i>	multiplier	0.850	1.150	HRU 37 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_38</i>	multiplier	0.850	1.150	HRU 38 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_39</i>	multiplier	0.850	1.150	HRU 39 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_40</i>	multiplier	0.850	1.150	HRU 40 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_41</i>	multiplier	0.850	1.150	HRU 41 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_42</i>	multiplier	0.850	1.150	HRU 42 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_43</i>	multiplier	0.850	1.150	HRU 43 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_44</i>	multiplier	0.850	1.150	HRU 44 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_45</i>	multiplier	0.850	1.150	HRU 45 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_46</i>	multiplier	0.850	1.150	HRU 46 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_47</i>	multiplier	0.850	1.150	HRU 47 average slope steepness ($\frac{m}{m}$)
<i>hru_slp_r</i>	multiplier	0.500	1.500	subbasin average slope steepness ($\frac{m}{m}$)
<i>ov_n_01</i>	multiplier	0.850	1.150	HRU 01 overland flow Manning's 'n'
<i>ov_n_02</i>	multiplier	0.850	1.150	HRU 02 overland flow Manning's 'n'
<i>ov_n_03</i>	multiplier	0.850	1.150	HRU 03 overland flow Manning's 'n'

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>ov_n_04</i>	multiplier	0.850	1.150	HRU 04 overland flow Manning's 'n'
<i>ov_n_05</i>	multiplier	0.850	1.150	HRU 05 overland flow Manning's 'n'
<i>ov_n_06</i>	multiplier	0.850	1.150	HRU 06 overland flow Manning's 'n'
<i>ov_n_07</i>	multiplier	0.850	1.150	HRU 07 overland flow Manning's 'n'
<i>ov_n_08</i>	multiplier	0.850	1.150	HRU 08 overland flow Manning's 'n'
<i>ov_n_09</i>	multiplier	0.850	1.150	HRU 09 overland flow Manning's 'n'
<i>ov_n_10</i>	multiplier	0.850	1.150	HRU 10 overland flow Manning's 'n'
<i>ov_n_11</i>	multiplier	0.850	1.150	HRU 11 overland flow Manning's 'n'
<i>ov_n_12</i>	multiplier	0.850	1.150	HRU 12 overland flow Manning's 'n'
<i>ov_n_13</i>	multiplier	0.850	1.150	HRU 13 overland flow Manning's 'n'
<i>ov_n_14</i>	multiplier	0.850	1.150	HRU 14 overland flow Manning's 'n'
<i>ov_n_15</i>	multiplier	0.850	1.150	HRU 15 overland flow Manning's 'n'
<i>ov_n_16</i>	multiplier	0.850	1.150	HRU 16 overland flow Manning's 'n'
<i>ov_n_17</i>	multiplier	0.850	1.150	HRU 17 overland flow Manning's 'n'
<i>ov_n_18</i>	multiplier	0.850	1.150	HRU 18 overland flow Manning's 'n'
<i>ov_n_19</i>	multiplier	0.850	1.150	HRU 19 overland flow Manning's 'n'
<i>ov_n_20</i>	multiplier	0.850	1.150	HRU 20 overland flow Manning's 'n'
<i>ov_n_21</i>	multiplier	0.850	1.150	HRU 21 overland flow Manning's 'n'
<i>ov_n_22</i>	multiplier	0.850	1.150	HRU 22 overland flow Manning's 'n'
<i>ov_n_23</i>	multiplier	0.850	1.150	HRU 23 overland flow Manning's 'n'
<i>ov_n_24</i>	multiplier	0.850	1.150	HRU 24 overland flow Manning's 'n'
<i>ov_n_25</i>	multiplier	0.850	1.150	HRU 25 overland flow Manning's 'n'
<i>ov_n_26</i>	multiplier	0.850	1.150	HRU 26 overland flow Manning's 'n'
<i>ov_n_27</i>	multiplier	0.850	1.150	HRU 27 overland flow Manning's 'n'
<i>ov_n_28</i>	multiplier	0.850	1.150	HRU 28 overland flow Manning's 'n'
<i>ov_n_29</i>	multiplier	0.850	1.150	HRU 29 overland flow Manning's 'n'
<i>ov_n_30</i>	multiplier	0.850	1.150	HRU 30 overland flow Manning's 'n'
<i>ov_n_31</i>	multiplier	0.850	1.150	HRU 31 overland flow Manning's 'n'
<i>ov_n_32</i>	multiplier	0.850	1.150	HRU 32 overland flow Manning's 'n'
<i>ov_n_33</i>	multiplier	0.850	1.150	HRU 33 overland flow Manning's 'n'
<i>ov_n_34</i>	multiplier	0.850	1.150	HRU 34 overland flow Manning's 'n'
<i>ov_n_35</i>	multiplier	0.850	1.150	HRU 35 overland flow Manning's 'n'
<i>ov_n_36</i>	multiplier	0.850	1.150	HRU 36 overland flow Manning's 'n'
<i>ov_n_37</i>	multiplier	0.850	1.150	HRU 37 overland flow Manning's 'n'
<i>ov_n_38</i>	multiplier	0.850	1.150	HRU 38 overland flow Manning's 'n'
<i>ov_n_39</i>	multiplier	0.850	1.150	HRU 39 overland flow Manning's 'n'
<i>ov_n_40</i>	multiplier	0.850	1.150	HRU 40 overland flow Manning's 'n'
<i>ov_n_41</i>	multiplier	0.850	1.150	HRU 41 overland flow Manning's 'n'
<i>ov_n_42</i>	multiplier	0.850	1.150	HRU 42 overland flow Manning's 'n'
<i>ov_n_43</i>	multiplier	0.850	1.150	HRU 43 overland flow Manning's 'n'
<i>ov_n_44</i>	multiplier	0.850	1.150	HRU 44 overland flow Manning's 'n'

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>ov-n_45</i>	multiplier	0.850	1.150	HRU 45 overland flow Manning's 'n'
<i>ov-n_46</i>	multiplier	0.850	1.150	HRU 46 overland flow Manning's 'n'
<i>ov-n_47</i>	multiplier	0.850	1.150	HRU 47 overland flow Manning's 'n'
<i>ov-n_r</i>	multiplier	0.500	1.500	subbasin overland flow Manning's 'n'
<i>pcp_0_2001</i>	multiplier	0.800	1.200	subbasin 2001 0th to 25th quantile precip
<i>pcp_0_2002</i>	multiplier	0.800	1.200	subbasin 2002 0th to 25th quantile precip
<i>pcp_0_2003</i>	multiplier	0.800	1.200	subbasin 2003 0th to 25th quantile precip
<i>pcp_0_2004</i>	multiplier	0.800	1.200	subbasin 2004 0th to 25th quantile precip
<i>pcp_0_2005</i>	multiplier	0.800	1.200	subbasin 2005 0th to 25th quantile precip
<i>pcp_0_2006</i>	multiplier	0.800	1.200	subbasin 2006 0th to 25th quantile precip
<i>pcp_0_2007</i>	multiplier	0.800	1.200	subbasin 2007 0th to 25th quantile precip
<i>pcp_0_2008</i>	multiplier	0.800	1.200	subbasin 2008 0th to 25th quantile precip
<i>pcp_0_2009</i>	multiplier	0.800	1.200	subbasin 2009 0th to 25th quantile precip
<i>pcp_0_2010</i>	multiplier	0.800	1.200	subbasin 2010 0th to 25th quantile precip
<i>pcp_1_2001</i>	multiplier	0.800	1.200	subbasin 2001 25th to 50th quantile precip
<i>pcp_1_2002</i>	multiplier	0.800	1.200	subbasin 2002 25th to 50th quantile precip
<i>pcp_1_2003</i>	multiplier	0.800	1.200	subbasin 2003 25th to 50th quantile precip
<i>pcp_1_2004</i>	multiplier	0.800	1.200	subbasin 2004 25th to 50th quantile precip
<i>pcp_1_2005</i>	multiplier	0.800	1.200	subbasin 2005 25th to 50th quantile precip
<i>pcp_1_2006</i>	multiplier	0.800	1.200	subbasin 2006 25th to 50th quantile precip
<i>pcp_1_2007</i>	multiplier	0.800	1.200	subbasin 2007 25th to 50th quantile precip
<i>pcp_1_2008</i>	multiplier	0.800	1.200	subbasin 2008 25th to 50th quantile precip
<i>pcp_1_2009</i>	multiplier	0.800	1.200	subbasin 2009 25th to 50th quantile precip
<i>pcp_1_2010</i>	multiplier	0.800	1.200	subbasin 2010 25th to 50th quantile precip
<i>pcp_2_2001</i>	multiplier	0.800	1.200	subbasin 2001 50th to 75th quantile precip
<i>pcp_2_2002</i>	multiplier	0.800	1.200	subbasin 2002 50th to 75th quantile precip
<i>pcp_2_2003</i>	multiplier	0.800	1.200	subbasin 2003 50th to 75th quantile precip
<i>pcp_2_2004</i>	multiplier	0.800	1.200	subbasin 2004 50th to 75th quantile precip
<i>pcp_2_2005</i>	multiplier	0.800	1.200	subbasin 2005 50th to 75th quantile precip
<i>pcp_2_2006</i>	multiplier	0.800	1.200	subbasin 2006 50th to 75th quantile precip
<i>pcp_2_2007</i>	multiplier	0.800	1.200	subbasin 2007 50th to 75th quantile precip
<i>pcp_2_2008</i>	multiplier	0.800	1.200	subbasin 2008 50th to 75th quantile precip
<i>pcp_2_2009</i>	multiplier	0.800	1.200	subbasin 2009 50th to 75th quantile precip
<i>pcp_2_2010</i>	multiplier	0.800	1.200	subbasin 2010 50th to 75th quantile precip
<i>pcp_3_2001</i>	multiplier	0.800	1.200	subbasin 2001 75th to 100th quantile precip
<i>pcp_3_2002</i>	multiplier	0.800	1.200	subbasin 2002 75th to 100th quantile precip
<i>pcp_3_2003</i>	multiplier	0.800	1.200	subbasin 2003 75th to 100th quantile precip
<i>pcp_3_2004</i>	multiplier	0.800	1.200	subbasin 2004 75th to 100th quantile precip
<i>pcp_3_2005</i>	multiplier	0.800	1.200	subbasin 2005 75th to 100th quantile precip
<i>pcp_3_2006</i>	multiplier	0.800	1.200	subbasin 2006 75th to 100th quantile precip
<i>pcp_3_2007</i>	multiplier	0.800	1.200	subbasin 2007 75th to 100th quantile precip

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>pcp_3_2008</i>	multiplier	0.800	1.200	subbasin 2008 75th to 100th quantile precip
<i>pcp_3_2009</i>	multiplier	0.800	1.200	subbasin 2009 75th to 100th quantile precip
<i>pcp_3_2010</i>	multiplier	0.800	1.200	subbasin 2010 75th to 100th quantile precip
<i>rchrq_dp_01</i>	multiplier	0.850	1.150	HRU 01 deep aquifer percolation factor
<i>rchrq_dp_02</i>	multiplier	0.850	1.150	HRU 02 deep aquifer percolation factor
<i>rchrq_dp_03</i>	multiplier	0.850	1.150	HRU 03 deep aquifer percolation factor
<i>rchrq_dp_04</i>	multiplier	0.850	1.150	HRU 04 deep aquifer percolation factor
<i>rchrq_dp_05</i>	multiplier	0.850	1.150	HRU 05 deep aquifer percolation factor
<i>rchrq_dp_06</i>	multiplier	0.850	1.150	HRU 06 deep aquifer percolation factor
<i>rchrq_dp_07</i>	multiplier	0.850	1.150	HRU 07 deep aquifer percolation factor
<i>rchrq_dp_08</i>	multiplier	0.850	1.150	HRU 08 deep aquifer percolation factor
<i>rchrq_dp_09</i>	multiplier	0.850	1.150	HRU 09 deep aquifer percolation factor
<i>rchrq_dp_10</i>	multiplier	0.850	1.150	HRU 10 deep aquifer percolation factor
<i>rchrq_dp_11</i>	multiplier	0.850	1.150	HRU 11 deep aquifer percolation factor
<i>rchrq_dp_12</i>	multiplier	0.850	1.150	HRU 12 deep aquifer percolation factor
<i>rchrq_dp_13</i>	multiplier	0.850	1.150	HRU 13 deep aquifer percolation factor
<i>rchrq_dp_14</i>	multiplier	0.850	1.150	HRU 14 deep aquifer percolation factor
<i>rchrq_dp_15</i>	multiplier	0.850	1.150	HRU 15 deep aquifer percolation factor
<i>rchrq_dp_16</i>	multiplier	0.850	1.150	HRU 16 deep aquifer percolation factor
<i>rchrq_dp_17</i>	multiplier	0.850	1.150	HRU 17 deep aquifer percolation factor
<i>rchrq_dp_18</i>	multiplier	0.850	1.150	HRU 18 deep aquifer percolation factor
<i>rchrq_dp_19</i>	multiplier	0.850	1.150	HRU 19 deep aquifer percolation factor
<i>rchrq_dp_20</i>	multiplier	0.850	1.150	HRU 20 deep aquifer percolation factor
<i>rchrq_dp_21</i>	multiplier	0.850	1.150	HRU 21 deep aquifer percolation factor
<i>rchrq_dp_22</i>	multiplier	0.850	1.150	HRU 22 deep aquifer percolation factor
<i>rchrq_dp_23</i>	multiplier	0.850	1.150	HRU 23 deep aquifer percolation factor
<i>rchrq_dp_24</i>	multiplier	0.850	1.150	HRU 24 deep aquifer percolation factor
<i>rchrq_dp_25</i>	multiplier	0.850	1.150	HRU 25 deep aquifer percolation factor
<i>rchrq_dp_26</i>	multiplier	0.850	1.150	HRU 26 deep aquifer percolation factor
<i>rchrq_dp_27</i>	multiplier	0.850	1.150	HRU 27 deep aquifer percolation factor
<i>rchrq_dp_28</i>	multiplier	0.850	1.150	HRU 28 deep aquifer percolation factor
<i>rchrq_dp_29</i>	multiplier	0.850	1.150	HRU 29 deep aquifer percolation factor
<i>rchrq_dp_30</i>	multiplier	0.850	1.150	HRU 30 deep aquifer percolation factor
<i>rchrq_dp_31</i>	multiplier	0.850	1.150	HRU 31 deep aquifer percolation factor
<i>rchrq_dp_32</i>	multiplier	0.850	1.150	HRU 32 deep aquifer percolation factor
<i>rchrq_dp_33</i>	multiplier	0.850	1.150	HRU 33 deep aquifer percolation factor
<i>rchrq_dp_34</i>	multiplier	0.850	1.150	HRU 34 deep aquifer percolation factor
<i>rchrq_dp_35</i>	multiplier	0.850	1.150	HRU 35 deep aquifer percolation factor
<i>rchrq_dp_36</i>	multiplier	0.850	1.150	HRU 36 deep aquifer percolation factor
<i>rchrq_dp_37</i>	multiplier	0.850	1.150	HRU 37 deep aquifer percolation factor
<i>rchrq_dp_38</i>	multiplier	0.850	1.150	HRU 38 deep aquifer percolation factor

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>rchrq-dp-39</i>	multiplier	0.850	1.150	HRU 39 deep aquifer percolation factor
<i>rchrq-dp-40</i>	multiplier	0.850	1.150	HRU 40 deep aquifer percolation factor
<i>rchrq-dp-41</i>	multiplier	0.850	1.150	HRU 41 deep aquifer percolation factor
<i>rchrq-dp-42</i>	multiplier	0.850	1.150	HRU 42 deep aquifer percolation factor
<i>rchrq-dp-43</i>	multiplier	0.850	1.150	HRU 43 deep aquifer percolation factor
<i>rchrq-dp-44</i>	multiplier	0.850	1.150	HRU 44 deep aquifer percolation factor
<i>rchrq-dp-45</i>	multiplier	0.850	1.150	HRU 45 deep aquifer percolation factor
<i>rchrq-dp-46</i>	multiplier	0.850	1.150	HRU 46 deep aquifer percolation factor
<i>rchrq-dp-47</i>	multiplier	0.850	1.150	HRU 47 deep aquifer percolation factor
<i>rchrq-dp-v</i>	value	0.250	0.750	subbasin deep aquifer percolation factor
<i>revapmn-01</i>	multiplier	0.850	1.150	HRU 01 groundwater threshold 'revap' depth (mm)
<i>revapmn-02</i>	multiplier	0.850	1.150	HRU 02 groundwater threshold 'revap' depth (mm)
<i>revapmn-03</i>	multiplier	0.850	1.150	HRU 03 groundwater threshold 'revap' depth (mm)
<i>revapmn-04</i>	multiplier	0.850	1.150	HRU 04 groundwater threshold 'revap' depth (mm)
<i>revapmn-05</i>	multiplier	0.850	1.150	HRU 05 groundwater threshold 'revap' depth (mm)
<i>revapmn-06</i>	multiplier	0.850	1.150	HRU 06 groundwater threshold 'revap' depth (mm)
<i>revapmn-07</i>	multiplier	0.850	1.150	HRU 07 groundwater threshold 'revap' depth (mm)
<i>revapmn-08</i>	multiplier	0.850	1.150	HRU 08 groundwater threshold 'revap' depth (mm)
<i>revapmn-09</i>	multiplier	0.850	1.150	HRU 09 groundwater threshold 'revap' depth (mm)
<i>revapmn-10</i>	multiplier	0.850	1.150	HRU 10 groundwater threshold 'revap' depth (mm)
<i>revapmn-11</i>	multiplier	0.850	1.150	HRU 11 groundwater threshold 'revap' depth (mm)
<i>revapmn-12</i>	multiplier	0.850	1.150	HRU 12 groundwater threshold 'revap' depth (mm)
<i>revapmn-13</i>	multiplier	0.850	1.150	HRU 13 groundwater threshold 'revap' depth (mm)
<i>revapmn-14</i>	multiplier	0.850	1.150	HRU 14 groundwater threshold 'revap' depth (mm)
<i>revapmn-15</i>	multiplier	0.850	1.150	HRU 15 groundwater threshold 'revap' depth (mm)
<i>revapmn-16</i>	multiplier	0.850	1.150	HRU 16 groundwater threshold 'revap' depth (mm)
<i>revapmn-17</i>	multiplier	0.850	1.150	HRU 17 groundwater threshold 'revap' depth (mm)
<i>revapmn-18</i>	multiplier	0.850	1.150	HRU 18 groundwater threshold 'revap' depth (mm)
<i>revapmn-19</i>	multiplier	0.850	1.150	HRU 19 groundwater threshold 'revap' depth (mm)
<i>revapmn-20</i>	multiplier	0.850	1.150	HRU 20 groundwater threshold 'revap' depth (mm)
<i>revapmn-21</i>	multiplier	0.850	1.150	HRU 21 groundwater threshold 'revap' depth (mm)
<i>revapmn-22</i>	multiplier	0.850	1.150	HRU 22 groundwater threshold 'revap' depth (mm)
<i>revapmn-23</i>	multiplier	0.850	1.150	HRU 23 groundwater threshold 'revap' depth (mm)
<i>revapmn-24</i>	multiplier	0.850	1.150	HRU 24 groundwater threshold 'revap' depth (mm)
<i>revapmn-25</i>	multiplier	0.850	1.150	HRU 25 groundwater threshold 'revap' depth (mm)
<i>revapmn-26</i>	multiplier	0.850	1.150	HRU 26 groundwater threshold 'revap' depth (mm)
<i>revapmn-27</i>	multiplier	0.850	1.150	HRU 27 groundwater threshold 'revap' depth (mm)
<i>revapmn-28</i>	multiplier	0.850	1.150	HRU 28 groundwater threshold 'revap' depth (mm)
<i>revapmn-29</i>	multiplier	0.850	1.150	HRU 29 groundwater threshold 'revap' depth (mm)
<i>revapmn-30</i>	multiplier	0.850	1.150	HRU 30 groundwater threshold 'revap' depth (mm)
<i>revapmn-31</i>	multiplier	0.850	1.150	HRU 31 groundwater threshold 'revap' depth (mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>revapmn_32</i>	multiplier	0.850	1.150	HRU 32 groundwater threshold 'revap' depth (mm)
<i>revapmn_33</i>	multiplier	0.850	1.150	HRU 33 groundwater threshold 'revap' depth (mm)
<i>revapmn_34</i>	multiplier	0.850	1.150	HRU 34 groundwater threshold 'revap' depth (mm)
<i>revapmn_35</i>	multiplier	0.850	1.150	HRU 35 groundwater threshold 'revap' depth (mm)
<i>revapmn_36</i>	multiplier	0.850	1.150	HRU 36 groundwater threshold 'revap' depth (mm)
<i>revapmn_37</i>	multiplier	0.850	1.150	HRU 37 groundwater threshold 'revap' depth (mm)
<i>revapmn_38</i>	multiplier	0.850	1.150	HRU 38 groundwater threshold 'revap' depth (mm)
<i>revapmn_39</i>	multiplier	0.850	1.150	HRU 39 groundwater threshold 'revap' depth (mm)
<i>revapmn_40</i>	multiplier	0.850	1.150	HRU 40 groundwater threshold 'revap' depth (mm)
<i>revapmn_41</i>	multiplier	0.850	1.150	HRU 41 groundwater threshold 'revap' depth (mm)
<i>revapmn_42</i>	multiplier	0.850	1.150	HRU 42 groundwater threshold 'revap' depth (mm)
<i>revapmn_43</i>	multiplier	0.850	1.150	HRU 43 groundwater threshold 'revap' depth (mm)
<i>revapmn_44</i>	multiplier	0.850	1.150	HRU 44 groundwater threshold 'revap' depth (mm)
<i>revapmn_45</i>	multiplier	0.850	1.150	HRU 45 groundwater threshold 'revap' depth (mm)
<i>revapmn_46</i>	multiplier	0.850	1.150	HRU 46 groundwater threshold 'revap' depth (mm)
<i>revapmn_47</i>	multiplier	0.850	1.150	HRU 47 groundwater threshold 'revap' depth (mm)
<i>revapmn_v</i>	value	100.000	1000.000	subbasin groundwater threshold 'revap' depth (mm)
<i>sbsubbsn_01</i>	multiplier	0.850	1.150	HRU 01 average slope length (m)
<i>sbsubbsn_02</i>	multiplier	0.850	1.150	HRU 02 average slope length (m)
<i>sbsubbsn_03</i>	multiplier	0.850	1.150	HRU 03 average slope length (m)
<i>sbsubbsn_04</i>	multiplier	0.850	1.150	HRU 04 average slope length (m)
<i>sbsubbsn_05</i>	multiplier	0.850	1.150	HRU 05 average slope length (m)
<i>sbsubbsn_06</i>	multiplier	0.850	1.150	HRU 06 average slope length (m)
<i>sbsubbsn_07</i>	multiplier	0.850	1.150	HRU 07 average slope length (m)
<i>sbsubbsn_08</i>	multiplier	0.850	1.150	HRU 08 average slope length (m)
<i>sbsubbsn_09</i>	multiplier	0.850	1.150	HRU 09 average slope length (m)
<i>sbsubbsn_10</i>	multiplier	0.850	1.150	HRU 10 average slope length (m)
<i>sbsubbsn_11</i>	multiplier	0.850	1.150	HRU 11 average slope length (m)
<i>sbsubbsn_12</i>	multiplier	0.850	1.150	HRU 12 average slope length (m)
<i>sbsubbsn_13</i>	multiplier	0.850	1.150	HRU 13 average slope length (m)
<i>sbsubbsn_14</i>	multiplier	0.850	1.150	HRU 14 average slope length (m)
<i>sbsubbsn_15</i>	multiplier	0.850	1.150	HRU 15 average slope length (m)
<i>sbsubbsn_16</i>	multiplier	0.850	1.150	HRU 16 average slope length (m)
<i>sbsubbsn_17</i>	multiplier	0.850	1.150	HRU 17 average slope length (m)
<i>sbsubbsn_18</i>	multiplier	0.850	1.150	HRU 18 average slope length (m)
<i>sbsubbsn_19</i>	multiplier	0.850	1.150	HRU 19 average slope length (m)
<i>sbsubbsn_20</i>	multiplier	0.850	1.150	HRU 20 average slope length (m)
<i>sbsubbsn_21</i>	multiplier	0.850	1.150	HRU 21 average slope length (m)
<i>sbsubbsn_22</i>	multiplier	0.850	1.150	HRU 22 average slope length (m)
<i>sbsubbsn_23</i>	multiplier	0.850	1.150	HRU 23 average slope length (m)
<i>sbsubbsn_24</i>	multiplier	0.850	1.150	HRU 24 average slope length (m)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>slsubbsn_25</i>	multiplier	0.850	1.150	HRU 25 average slope length (m)
<i>slsubbsn_26</i>	multiplier	0.850	1.150	HRU 26 average slope length (m)
<i>slsubbsn_27</i>	multiplier	0.850	1.150	HRU 27 average slope length (m)
<i>slsubbsn_28</i>	multiplier	0.850	1.150	HRU 28 average slope length (m)
<i>slsubbsn_29</i>	multiplier	0.850	1.150	HRU 29 average slope length (m)
<i>slsubbsn_30</i>	multiplier	0.850	1.150	HRU 30 average slope length (m)
<i>slsubbsn_31</i>	multiplier	0.850	1.150	HRU 31 average slope length (m)
<i>slsubbsn_32</i>	multiplier	0.850	1.150	HRU 32 average slope length (m)
<i>slsubbsn_33</i>	multiplier	0.850	1.150	HRU 33 average slope length (m)
<i>slsubbsn_34</i>	multiplier	0.850	1.150	HRU 34 average slope length (m)
<i>slsubbsn_35</i>	multiplier	0.850	1.150	HRU 35 average slope length (m)
<i>slsubbsn_36</i>	multiplier	0.850	1.150	HRU 36 average slope length (m)
<i>slsubbsn_37</i>	multiplier	0.850	1.150	HRU 37 average slope length (m)
<i>slsubbsn_38</i>	multiplier	0.850	1.150	HRU 38 average slope length (m)
<i>slsubbsn_39</i>	multiplier	0.850	1.150	HRU 39 average slope length (m)
<i>slsubbsn_40</i>	multiplier	0.850	1.150	HRU 40 average slope length (m)
<i>slsubbsn_41</i>	multiplier	0.850	1.150	HRU 41 average slope length (m)
<i>slsubbsn_42</i>	multiplier	0.850	1.150	HRU 42 average slope length (m)
<i>slsubbsn_43</i>	multiplier	0.850	1.150	HRU 43 average slope length (m)
<i>slsubbsn_44</i>	multiplier	0.850	1.150	HRU 44 average slope length (m)
<i>slsubbsn_45</i>	multiplier	0.850	1.150	HRU 45 average slope length (m)
<i>slsubbsn_46</i>	multiplier	0.850	1.150	HRU 46 average slope length (m)
<i>slsubbsn_47</i>	multiplier	0.850	1.150	HRU 47 average slope length (m)
<i>slsubbsn_r</i>	multiplier	0.500	1.500	subbasin average slope length (m)
<i>sol_alb_1.01</i>	multiplier	0.850	1.150	HRU 01 soil layer 1 moist albedo
<i>sol_alb_1.02</i>	multiplier	0.850	1.150	HRU 02 soil layer 1 moist albedo
<i>sol_alb_1.03</i>	multiplier	0.850	1.150	HRU 03 soil layer 1 moist albedo
<i>sol_alb_1.04</i>	multiplier	0.850	1.150	HRU 04 soil layer 1 moist albedo
<i>sol_alb_1.05</i>	multiplier	0.850	1.150	HRU 05 soil layer 1 moist albedo
<i>sol_alb_1.06</i>	multiplier	0.850	1.150	HRU 06 soil layer 1 moist albedo
<i>sol_alb_1.07</i>	multiplier	0.850	1.150	HRU 07 soil layer 1 moist albedo
<i>sol_alb_1.08</i>	multiplier	0.850	1.150	HRU 08 soil layer 1 moist albedo
<i>sol_alb_1.09</i>	multiplier	0.850	1.150	HRU 09 soil layer 1 moist albedo
<i>sol_alb_1.10</i>	multiplier	0.850	1.150	HRU 10 soil layer 1 moist albedo
<i>sol_alb_1.11</i>	multiplier	0.850	1.150	HRU 11 soil layer 1 moist albedo
<i>sol_alb_1.12</i>	multiplier	0.850	1.150	HRU 12 soil layer 1 moist albedo
<i>sol_alb_1.13</i>	multiplier	0.850	1.150	HRU 13 soil layer 1 moist albedo
<i>sol_alb_1.14</i>	multiplier	0.850	1.150	HRU 14 soil layer 1 moist albedo
<i>sol_alb_1.15</i>	multiplier	0.850	1.150	HRU 15 soil layer 1 moist albedo
<i>sol_alb_1.16</i>	multiplier	0.850	1.150	HRU 16 soil layer 1 moist albedo
<i>sol_alb_1.17</i>	multiplier	0.850	1.150	HRU 17 soil layer 1 moist albedo

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol_alb_1_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 1 moist albedo
<i>sol_alb_1_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 1 moist albedo
<i>sol_alb_1_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 1 moist albedo
<i>sol_alb_1_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 1 moist albedo
<i>sol_alb_1_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 1 moist albedo
<i>sol_alb_1_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 1 moist albedo
<i>sol_alb_1_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 1 moist albedo
<i>sol_alb_1_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 1 moist albedo
<i>sol_alb_1_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 1 moist albedo
<i>sol_alb_1_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 1 moist albedo
<i>sol_alb_1_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 1 moist albedo
<i>sol_alb_1_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 1 moist albedo
<i>sol_alb_1_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 1 moist albedo
<i>sol_alb_1_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 1 moist albedo
<i>sol_alb_1_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 1 moist albedo
<i>sol_alb_1_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 1 moist albedo
<i>sol_alb_1_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 1 moist albedo
<i>sol_alb_1_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 1 moist albedo
<i>sol_alb_1_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 1 moist albedo
<i>sol_alb_1_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 1 moist albedo
<i>sol_alb_1_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 1 moist albedo
<i>sol_alb_1_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 1 moist albedo
<i>sol_alb_1_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 1 moist albedo
<i>sol_alb_1_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 1 moist albedo
<i>sol_alb_1_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 1 moist albedo
<i>sol_alb_1_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 1 moist albedo
<i>sol_alb_1_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 1 moist albedo
<i>sol_alb_1_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 1 moist albedo
<i>sol_alb_1_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 1 moist albedo
<i>sol_alb_1_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 1 moist albedo
<i>sol_alb_1_r</i>	multiplier	1.000	5.000	subbasin soil layer 1 moist albedo
<i>sol_alb_2_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 2 moist albedo
<i>sol_alb_2_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 2 moist albedo
<i>sol_alb_2_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 2 moist albedo
<i>sol_alb_2_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 2 moist albedo
<i>sol_alb_2_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 2 moist albedo
<i>sol_alb_2_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 2 moist albedo
<i>sol_alb_2_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 2 moist albedo
<i>sol_alb_2_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 2 moist albedo
<i>sol_alb_2_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 2 moist albedo
<i>sol_alb_2_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 2 moist albedo

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol_alb_2_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 2 moist albedo
<i>sol_alb_2_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 2 moist albedo
<i>sol_alb_2_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 2 moist albedo
<i>sol_alb_2_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 2 moist albedo
<i>sol_alb_2_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 2 moist albedo
<i>sol_alb_2_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 2 moist albedo
<i>sol_alb_2_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 2 moist albedo
<i>sol_alb_2_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 2 moist albedo
<i>sol_alb_2_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 2 moist albedo
<i>sol_alb_2_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 2 moist albedo
<i>sol_alb_2_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 2 moist albedo
<i>sol_alb_2_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 2 moist albedo
<i>sol_alb_2_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 2 moist albedo
<i>sol_alb_2_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 2 moist albedo
<i>sol_alb_2_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 2 moist albedo
<i>sol_alb_2_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 2 moist albedo
<i>sol_alb_2_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 2 moist albedo
<i>sol_alb_2_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 2 moist albedo
<i>sol_alb_2_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 2 moist albedo
<i>sol_alb_2_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 2 moist albedo
<i>sol_alb_2_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 2 moist albedo
<i>sol_alb_2_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 2 moist albedo
<i>sol_alb_2_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 2 moist albedo
<i>sol_alb_2_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 2 moist albedo
<i>sol_alb_2_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 2 moist albedo
<i>sol_alb_2_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 2 moist albedo
<i>sol_alb_2_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 2 moist albedo
<i>sol_alb_2_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 2 moist albedo
<i>sol_alb_2_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 2 moist albedo
<i>sol_alb_2_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 2 moist albedo
<i>sol_alb_2_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 2 moist albedo
<i>sol_alb_2_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 2 moist albedo
<i>sol_alb_2_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 2 moist albedo
<i>sol_alb_2_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 2 moist albedo
<i>sol_alb_2_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 2 moist albedo
<i>sol_alb_2_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 2 moist albedo
<i>sol_alb_2_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 2 moist albedo
<i>sol_alb_2_r</i>	multiplier	1.000	5.000	subbasin soil layer 2 moist albedo
<i>sol_alb_3_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 3 moist albedo
<i>sol_alb_3_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 3 moist albedo
<i>sol_alb_3_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 3 moist albedo

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol_alb_3_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 3 moist albedo
<i>sol_alb_3_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 3 moist albedo
<i>sol_alb_3_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 3 moist albedo
<i>sol_alb_3_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 3 moist albedo
<i>sol_alb_3_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 3 moist albedo
<i>sol_alb_3_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 3 moist albedo
<i>sol_alb_3_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 3 moist albedo
<i>sol_alb_3_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 3 moist albedo
<i>sol_alb_3_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 3 moist albedo
<i>sol_alb_3_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 3 moist albedo
<i>sol_alb_3_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 3 moist albedo
<i>sol_alb_3_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 3 moist albedo
<i>sol_alb_3_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 3 moist albedo
<i>sol_alb_3_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 3 moist albedo
<i>sol_alb_3_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 3 moist albedo
<i>sol_alb_3_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 3 moist albedo
<i>sol_alb_3_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 3 moist albedo
<i>sol_alb_3_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 3 moist albedo
<i>sol_alb_3_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 3 moist albedo
<i>sol_alb_3_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 3 moist albedo
<i>sol_alb_3_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 3 moist albedo
<i>sol_alb_3_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 3 moist albedo
<i>sol_alb_3_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 3 moist albedo
<i>sol_alb_3_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 3 moist albedo
<i>sol_alb_3_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 3 moist albedo
<i>sol_alb_3_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 3 moist albedo
<i>sol_alb_3_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 3 moist albedo
<i>sol_alb_3_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 3 moist albedo
<i>sol_alb_3_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 3 moist albedo
<i>sol_alb_3_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 3 moist albedo
<i>sol_alb_3_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 3 moist albedo
<i>sol_alb_3_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 3 moist albedo
<i>sol_alb_3_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 3 moist albedo
<i>sol_alb_3_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 3 moist albedo
<i>sol_alb_3_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 3 moist albedo
<i>sol_alb_3_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 3 moist albedo
<i>sol_alb_3_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 3 moist albedo
<i>sol_alb_3_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 3 moist albedo
<i>sol_alb_3_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 3 moist albedo
<i>sol_alb_3_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 3 moist albedo
<i>sol_alb_3_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 3 moist albedo

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol_alb_3_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 3 moist albedo
<i>sol_alb_3_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 3 moist albedo
<i>sol_alb_3_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 3 moist albedo
<i>sol_alb_3_r</i>	multiplier	1.000	5.000	subbasin soil layer 3 moist albedo
<i>sol_awc_1_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 1 available water capacity (mm/mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol_awc_1_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 1 available water capacity (mm/mm)
<i>sol_awc_1_r</i>	multiplier	1.000	5.000	subbasin soil layer 1 available water capacity (mm/mm)
<i>sol_awc_2_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 2 available water capacity (mm/mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol_awc_2_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 2 available water capacity (mm/mm)
<i>sol_awc_2_r</i>	multiplier	1.000	5.000	subbasin soil layer 2 available water capacity (mm/mm)
<i>sol_awc_3_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 3 available water capacity (mm/mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol_awc_3_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 3 available water capacity (mm/mm)
<i>sol_awc_3_r</i>	multiplier	1.000	5.000	subbasin soil layer 3 available water capacity (mm/mm)
<i>sol.k_1_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 1 saturated hydraulic conductivity (mm/hr)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol.k_1_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_1_r</i>	multiplier	1.000	5.000	subbasin soil layer 1 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 2 saturated hydraulic conductivity (mm/hr)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol.k_2_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_2_r</i>	multiplier	1.000	5.000	subbasin soil layer 2 saturated hydraulic conductivity (mm/hr)
<i>sol.k_3_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 3 saturated hydraulic conductivity (mm/hr)
<i>sol.k_3_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 3 saturated hydraulic conductivity (mm/hr)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol.k_3_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 3 saturated hydraulic conductivity (mm/hr)
<i>sol.k_3_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 3 saturated hydraulic conductivity (mm/hr)
<i>sol.k_3_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 3 saturated hydraulic conductivity (mm/hr)
<i>sol.k_3_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 3 saturated hydraulic conductivity (mm/hr)
<i>sol.k_3_r</i>	multiplier	1.000	5.000	subbasin soil layer 3 saturated hydraulic conductivity (mm/hr)
<i>sol.thk_1_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 1 thickness (mm)
<i>sol.thk_1_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 1 thickness (mm)
<i>sol.thk_1_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 1 thickness (mm)
<i>sol.thk_1_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 1 thickness (mm)
<i>sol.thk_1_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 1 thickness (mm)
<i>sol.thk_1_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 1 thickness (mm)
<i>sol.thk_1_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 1 thickness (mm)
<i>sol.thk_1_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 1 thickness (mm)
<i>sol.thk_1_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 1 thickness (mm)
<i>sol.thk_1_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 1 thickness (mm)
<i>sol.thk_1_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 1 thickness (mm)
<i>sol.thk_1_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 1 thickness (mm)
<i>sol.thk_1_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 1 thickness (mm)
<i>sol.thk_1_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 1 thickness (mm)
<i>sol.thk_1_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 1 thickness (mm)
<i>sol.thk_1_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 1 thickness (mm)
<i>sol.thk_1_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 1 thickness (mm)
<i>sol.thk_1_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 1 thickness (mm)
<i>sol.thk_1_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 1 thickness (mm)
<i>sol.thk_1_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 1 thickness (mm)
<i>sol.thk_1_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 1 thickness (mm)
<i>sol.thk_1_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 1 thickness (mm)
<i>sol.thk_1_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 1 thickness (mm)
<i>sol.thk_1_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 1 thickness (mm)
<i>sol.thk_1_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 1 thickness (mm)
<i>sol.thk_1_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 1 thickness (mm)
<i>sol.thk_1_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 1 thickness (mm)
<i>sol.thk_1_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 1 thickness (mm)
<i>sol.thk_1_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 1 thickness (mm)
<i>sol.thk_1_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 1 thickness (mm)
<i>sol.thk_1_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 1 thickness (mm)
<i>sol.thk_1_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 1 thickness (mm)
<i>sol.thk_1_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 1 thickness (mm)
<i>sol.thk_1_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 1 thickness (mm)
<i>sol.thk_1_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 1 thickness (mm)
<i>sol.thk_1_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 1 thickness (mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol.thk_1_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 1 thickness (mm)
<i>sol.thk_1_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 1 thickness (mm)
<i>sol.thk_1_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 1 thickness (mm)
<i>sol.thk_1_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 1 thickness (mm)
<i>sol.thk_1_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 1 thickness (mm)
<i>sol.thk_1_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 1 thickness (mm)
<i>sol.thk_1_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 1 thickness (mm)
<i>sol.thk_1_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 1 thickness (mm)
<i>sol.thk_1_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 1 thickness (mm)
<i>sol.thk_1_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 1 thickness (mm)
<i>sol.thk_1_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 1 thickness (mm)
<i>sol.thk_2_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 2 thickness (mm)
<i>sol.thk_2_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 2 thickness (mm)
<i>sol.thk_2_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 2 thickness (mm)
<i>sol.thk_2_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 2 thickness (mm)
<i>sol.thk_2_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 2 thickness (mm)
<i>sol.thk_2_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 2 thickness (mm)
<i>sol.thk_2_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 2 thickness (mm)
<i>sol.thk_2_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 2 thickness (mm)
<i>sol.thk_2_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 2 thickness (mm)
<i>sol.thk_2_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 2 thickness (mm)
<i>sol.thk_2_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 2 thickness (mm)
<i>sol.thk_2_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 2 thickness (mm)
<i>sol.thk_2_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 2 thickness (mm)
<i>sol.thk_2_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 2 thickness (mm)
<i>sol.thk_2_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 2 thickness (mm)
<i>sol.thk_2_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 2 thickness (mm)
<i>sol.thk_2_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 2 thickness (mm)
<i>sol.thk_2_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 2 thickness (mm)
<i>sol.thk_2_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 2 thickness (mm)
<i>sol.thk_2_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 2 thickness (mm)
<i>sol.thk_2_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 2 thickness (mm)
<i>sol.thk_2_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 2 thickness (mm)
<i>sol.thk_2_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 2 thickness (mm)
<i>sol.thk_2_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 2 thickness (mm)
<i>sol.thk_2_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 2 thickness (mm)
<i>sol.thk_2_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 2 thickness (mm)
<i>sol.thk_2_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 2 thickness (mm)
<i>sol.thk_2_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 2 thickness (mm)
<i>sol.thk_2_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 2 thickness (mm)
<i>sol.thk_2_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 2 thickness (mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol.thk.2_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 2 thickness (mm)
<i>sol.thk.2_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 2 thickness (mm)
<i>sol.thk.2_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 2 thickness (mm)
<i>sol.thk.2_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 2 thickness (mm)
<i>sol.thk.2_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 2 thickness (mm)
<i>sol.thk.2_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 2 thickness (mm)
<i>sol.thk.2_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 2 thickness (mm)
<i>sol.thk.2_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 2 thickness (mm)
<i>sol.thk.2_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 2 thickness (mm)
<i>sol.thk.2_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 2 thickness (mm)
<i>sol.thk.2_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 2 thickness (mm)
<i>sol.thk.2_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 2 thickness (mm)
<i>sol.thk.2_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 2 thickness (mm)
<i>sol.thk.2_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 2 thickness (mm)
<i>sol.thk.2_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 2 thickness (mm)
<i>sol.thk.2_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 2 thickness (mm)
<i>sol.thk.2_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 2 thickness (mm)
<i>sol.thk.3_01</i>	multiplier	0.850	1.150	HRU 01 soil layer 3 thickness (mm)
<i>sol.thk.3_02</i>	multiplier	0.850	1.150	HRU 02 soil layer 3 thickness (mm)
<i>sol.thk.3_03</i>	multiplier	0.850	1.150	HRU 03 soil layer 3 thickness (mm)
<i>sol.thk.3_04</i>	multiplier	0.850	1.150	HRU 04 soil layer 3 thickness (mm)
<i>sol.thk.3_05</i>	multiplier	0.850	1.150	HRU 05 soil layer 3 thickness (mm)
<i>sol.thk.3_06</i>	multiplier	0.850	1.150	HRU 06 soil layer 3 thickness (mm)
<i>sol.thk.3_07</i>	multiplier	0.850	1.150	HRU 07 soil layer 3 thickness (mm)
<i>sol.thk.3_08</i>	multiplier	0.850	1.150	HRU 08 soil layer 3 thickness (mm)
<i>sol.thk.3_09</i>	multiplier	0.850	1.150	HRU 09 soil layer 3 thickness (mm)
<i>sol.thk.3_10</i>	multiplier	0.850	1.150	HRU 10 soil layer 3 thickness (mm)
<i>sol.thk.3_11</i>	multiplier	0.850	1.150	HRU 11 soil layer 3 thickness (mm)
<i>sol.thk.3_12</i>	multiplier	0.850	1.150	HRU 12 soil layer 3 thickness (mm)
<i>sol.thk.3_13</i>	multiplier	0.850	1.150	HRU 13 soil layer 3 thickness (mm)
<i>sol.thk.3_14</i>	multiplier	0.850	1.150	HRU 14 soil layer 3 thickness (mm)
<i>sol.thk.3_15</i>	multiplier	0.850	1.150	HRU 15 soil layer 3 thickness (mm)
<i>sol.thk.3_16</i>	multiplier	0.850	1.150	HRU 16 soil layer 3 thickness (mm)
<i>sol.thk.3_17</i>	multiplier	0.850	1.150	HRU 17 soil layer 3 thickness (mm)
<i>sol.thk.3_18</i>	multiplier	0.850	1.150	HRU 18 soil layer 3 thickness (mm)
<i>sol.thk.3_19</i>	multiplier	0.850	1.150	HRU 19 soil layer 3 thickness (mm)
<i>sol.thk.3_20</i>	multiplier	0.850	1.150	HRU 20 soil layer 3 thickness (mm)
<i>sol.thk.3_21</i>	multiplier	0.850	1.150	HRU 21 soil layer 3 thickness (mm)
<i>sol.thk.3_22</i>	multiplier	0.850	1.150	HRU 22 soil layer 3 thickness (mm)
<i>sol.thk.3_23</i>	multiplier	0.850	1.150	HRU 23 soil layer 3 thickness (mm)
<i>sol.thk.3_24</i>	multiplier	0.850	1.150	HRU 24 soil layer 3 thickness (mm)

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>sol.thk_3_25</i>	multiplier	0.850	1.150	HRU 25 soil layer 3 thickness (mm)
<i>sol.thk_3_26</i>	multiplier	0.850	1.150	HRU 26 soil layer 3 thickness (mm)
<i>sol.thk_3_27</i>	multiplier	0.850	1.150	HRU 27 soil layer 3 thickness (mm)
<i>sol.thk_3_28</i>	multiplier	0.850	1.150	HRU 28 soil layer 3 thickness (mm)
<i>sol.thk_3_29</i>	multiplier	0.850	1.150	HRU 29 soil layer 3 thickness (mm)
<i>sol.thk_3_30</i>	multiplier	0.850	1.150	HRU 30 soil layer 3 thickness (mm)
<i>sol.thk_3_31</i>	multiplier	0.850	1.150	HRU 31 soil layer 3 thickness (mm)
<i>sol.thk_3_32</i>	multiplier	0.850	1.150	HRU 32 soil layer 3 thickness (mm)
<i>sol.thk_3_33</i>	multiplier	0.850	1.150	HRU 33 soil layer 3 thickness (mm)
<i>sol.thk_3_34</i>	multiplier	0.850	1.150	HRU 34 soil layer 3 thickness (mm)
<i>sol.thk_3_35</i>	multiplier	0.850	1.150	HRU 35 soil layer 3 thickness (mm)
<i>sol.thk_3_36</i>	multiplier	0.850	1.150	HRU 36 soil layer 3 thickness (mm)
<i>sol.thk_3_37</i>	multiplier	0.850	1.150	HRU 37 soil layer 3 thickness (mm)
<i>sol.thk_3_38</i>	multiplier	0.850	1.150	HRU 38 soil layer 3 thickness (mm)
<i>sol.thk_3_39</i>	multiplier	0.850	1.150	HRU 39 soil layer 3 thickness (mm)
<i>sol.thk_3_40</i>	multiplier	0.850	1.150	HRU 40 soil layer 3 thickness (mm)
<i>sol.thk_3_41</i>	multiplier	0.850	1.150	HRU 41 soil layer 3 thickness (mm)
<i>sol.thk_3_42</i>	multiplier	0.850	1.150	HRU 42 soil layer 3 thickness (mm)
<i>sol.thk_3_43</i>	multiplier	0.850	1.150	HRU 43 soil layer 3 thickness (mm)
<i>sol.thk_3_44</i>	multiplier	0.850	1.150	HRU 44 soil layer 3 thickness (mm)
<i>sol.thk_3_45</i>	multiplier	0.850	1.150	HRU 45 soil layer 3 thickness (mm)
<i>sol.thk_3_46</i>	multiplier	0.850	1.150	HRU 46 soil layer 3 thickness (mm)
<i>sol.thk_3_47</i>	multiplier	0.850	1.150	HRU 47 soil layer 3 thickness (mm)
<i>surlag_01</i>	multiplier	0.850	1.150	HRU 01 surface runoff lag coefficient
<i>surlag_02</i>	multiplier	0.850	1.150	HRU 02 surface runoff lag coefficient
<i>surlag_03</i>	multiplier	0.850	1.150	HRU 03 surface runoff lag coefficient
<i>surlag_04</i>	multiplier	0.850	1.150	HRU 04 surface runoff lag coefficient
<i>surlag_05</i>	multiplier	0.850	1.150	HRU 05 surface runoff lag coefficient
<i>surlag_06</i>	multiplier	0.850	1.150	HRU 06 surface runoff lag coefficient
<i>surlag_07</i>	multiplier	0.850	1.150	HRU 07 surface runoff lag coefficient
<i>surlag_08</i>	multiplier	0.850	1.150	HRU 08 surface runoff lag coefficient
<i>surlag_09</i>	multiplier	0.850	1.150	HRU 09 surface runoff lag coefficient
<i>surlag_10</i>	multiplier	0.850	1.150	HRU 10 surface runoff lag coefficient
<i>surlag_11</i>	multiplier	0.850	1.150	HRU 11 surface runoff lag coefficient
<i>surlag_12</i>	multiplier	0.850	1.150	HRU 12 surface runoff lag coefficient
<i>surlag_13</i>	multiplier	0.850	1.150	HRU 13 surface runoff lag coefficient
<i>surlag_14</i>	multiplier	0.850	1.150	HRU 14 surface runoff lag coefficient
<i>surlag_15</i>	multiplier	0.850	1.150	HRU 15 surface runoff lag coefficient
<i>surlag_16</i>	multiplier	0.850	1.150	HRU 16 surface runoff lag coefficient
<i>surlag_17</i>	multiplier	0.850	1.150	HRU 17 surface runoff lag coefficient
<i>surlag_18</i>	multiplier	0.850	1.150	HRU 18 surface runoff lag coefficient

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Parameter	Type	Lower Bound	Upper Bound	Description (with units if applicable)
<i>surlag_19</i>	multiplier	0.850	1.150	HRU 19 surface runoff lag coefficient
<i>surlag_20</i>	multiplier	0.850	1.150	HRU 20 surface runoff lag coefficient
<i>surlag_21</i>	multiplier	0.850	1.150	HRU 21 surface runoff lag coefficient
<i>surlag_22</i>	multiplier	0.850	1.150	HRU 22 surface runoff lag coefficient
<i>surlag_23</i>	multiplier	0.850	1.150	HRU 23 surface runoff lag coefficient
<i>surlag_24</i>	multiplier	0.850	1.150	HRU 24 surface runoff lag coefficient
<i>surlag_25</i>	multiplier	0.850	1.150	HRU 25 surface runoff lag coefficient
<i>surlag_26</i>	multiplier	0.850	1.150	HRU 26 surface runoff lag coefficient
<i>surlag_27</i>	multiplier	0.850	1.150	HRU 27 surface runoff lag coefficient
<i>surlag_28</i>	multiplier	0.850	1.150	HRU 28 surface runoff lag coefficient
<i>surlag_29</i>	multiplier	0.850	1.150	HRU 29 surface runoff lag coefficient
<i>surlag_30</i>	multiplier	0.850	1.150	HRU 30 surface runoff lag coefficient
<i>surlag_31</i>	multiplier	0.850	1.150	HRU 31 surface runoff lag coefficient
<i>surlag_32</i>	multiplier	0.850	1.150	HRU 32 surface runoff lag coefficient
<i>surlag_33</i>	multiplier	0.850	1.150	HRU 33 surface runoff lag coefficient
<i>surlag_34</i>	multiplier	0.850	1.150	HRU 34 surface runoff lag coefficient
<i>surlag_35</i>	multiplier	0.850	1.150	HRU 35 surface runoff lag coefficient
<i>surlag_36</i>	multiplier	0.850	1.150	HRU 36 surface runoff lag coefficient
<i>surlag_37</i>	multiplier	0.850	1.150	HRU 37 surface runoff lag coefficient
<i>surlag_38</i>	multiplier	0.850	1.150	HRU 38 surface runoff lag coefficient
<i>surlag_39</i>	multiplier	0.850	1.150	HRU 39 surface runoff lag coefficient
<i>surlag_40</i>	multiplier	0.850	1.150	HRU 40 surface runoff lag coefficient
<i>surlag_41</i>	multiplier	0.850	1.150	HRU 41 surface runoff lag coefficient
<i>surlag_42</i>	multiplier	0.850	1.150	HRU 42 surface runoff lag coefficient
<i>surlag_43</i>	multiplier	0.850	1.150	HRU 43 surface runoff lag coefficient
<i>surlag_44</i>	multiplier	0.850	1.150	HRU 44 surface runoff lag coefficient
<i>surlag_45</i>	multiplier	0.850	1.150	HRU 45 surface runoff lag coefficient
<i>surlag_46</i>	multiplier	0.850	1.150	HRU 46 surface runoff lag coefficient
<i>surlag_47</i>	multiplier	0.850	1.150	HRU 47 surface runoff lag coefficient
<i>surlag_v</i>	value	2.000	12.000	subbasin surface runoff lag coefficient
<i>topt_frzd</i>	value	15.000	45.000	subbasin decidous forest optimal growth temp($^{\circ}$ C)
<i>topt_frse</i>	value	15.000	45.000	subbasin evergreen forest optimal growth temp($^{\circ}$ C)
<i>topt_rnge</i>	value	12.500	37.500	subbasin rangeland optimal growth temp($^{\circ}$ C)
<i>trnsrch_v</i>	value	0.500	0.980	subbasin deep aquifer fraction main channel transmission losses

Supplementart Material: Table S2. The five most influential parameters for QOIs and conditioning measures from the method of Morris analysis.

- pretreatment ET-precipitation ratio:
 - *pcp_3_2002*: 2002 75th to 100th quantile precip
 - *esco_v*: subbasin soil evaporation compensation factor
 - *pcp_3_2003*: 2003 75th to 100th quantile precip
 - *alaimin_frse*: subbasin evergreen forest dormant min leaf area index
 - *pcp_2_2002*: 2002 50th to 75th quantile precip
- pretreatment discharge-precipitation ratio:
 - *cn2_r*: subbasin soil moisture condition II curve number
 - *pcp_3_2002*: 2002 75th to 100th quantile precip
 - *gw_revap_v*: subbasin groundwater 'revap' coefficient
 - *sbsubsn_r*: subbasin average slope length (m)
 - *trnsrch_v*: subbasin deep aquifer fraction main channel transmission losses
- post-treatment ET-precipitation ratio:
 - *esco_v*: subbasin soil evaporation compensation factor
 - *pcp_3_2007*: 2007 75th to 100th quantile precip
 - *pcp_3_2010*: 2010 75th to 100th quantile precip
 - *alaimin_frse*: subbasin evergreen forest dormant min leaf area index
 - *canmxfac_15*: rangeland fraction of max canopy storage
- post-treatment discharge-precipitation ratio:
 - *cn2_r*: subbasin soil moisture condition II curve number
 - *trnsrch_v*: subbasin deep aquifer fraction main channel transmission losses
 - *gw_revap_v*: subbasin groundwater 'revap' coefficient
 - *sbsubsn_r*: subbasin average slope length (m)
 - *pcp_3_2007*: 2007 75th to 100th quantile precip
- post-treatment ET difference ratio:
 - *canmxfac_15*: rangeland fraction of max canopy storage
 - *alaimin_frse*: subbasin evergreen forest dormant min leaf area index
 - *pcp_3_2006*: 2006 75th to 100th quantile precip
 - *canmx_20*: hru 20 max canopy storage for evergreen forest (mm)
 - *canmx_22*: hru 22 max canopy storage for evergreen forest (mm)
- Nash-Sutcliffe efficiency:

- *cn2_r*: subbasin soil moisture condition II curve number
- *pcp_3_2002*: 2002 75th to 100th quantile precip
- *cn2_20*: hru 20 soil moisture condition II curve number
- *cn2_18*: hru 18 soil moisture condition II curve number
- *cn2_22*: hru 22 soil moisture condition II curve number
- correlation coefficient:
 - *cn2_r*: subbasin soil moisture condition II curve number
 - *sbsubsn_r*: subbasin average slope length (m)
 - *pcp_3_2002*: 2002 75th to 100th quantile precip
 - *cn2_20*: hru 20 soil moisture condition II curve number
 - *cn2_07*: hru 7 soil moisture condition II curve number
- percent bias:
 - *cn2_r*: subbasin soil moisture condition II curve number
 - *pcp_3_2002*: 2002 75th to 100th quantile precip
 - *gw_revap_v*: subbasin groundwater 'revap' coefficient
 - *trnsrch_v*: subbasin deep aquifer fraction main channel transmission losses
 - *sbsubsn_r*: subbasin average slope length (m)

Supplementart Material: Table S3. Summary of method of Morris results showing the mean dimensionless sensitivity of the parameters to the conditioning measures and QOIs.

control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
alaimin_frsl	1.633370e-02	-1.578970e-03	2.183980e-02		-2.688410e-03	-9.884980e-04		9.080190e-02
alaimin_frse	7.688140e-02	-5.204550e-03	7.627450e-02		-8.309500e-03	2.907040e-02		3.314940e-01
alaimin_rnge	1.131420e-02	-2.338250e-03	1.398910e-02		-2.674140e-03	-1.857440e-04		5.471230e-02
alpha_bf_01	0.000000e+00	3.606090e-05	0.000000e+00		1.315060e-05	0.000000e+00		-1.998010e-02
alpha_bf_02	0.000000e+00	5.448720e-07	0.000000e+00		3.044870e-07	0.000000e+00		-6.410260e-08
alpha_bf_03	0.000000e+00	2.339740e-06	0.000000e+00		1.137820e-06	0.000000e+00		2.198720e-05
alpha_bf_04	0.000000e+00	-9.615390e-08	0.000000e+00		4.487180e-08	0.000000e+00		4.112700e-14
alpha_bf_05	0.000000e+00	4.615380e-06	0.000000e+00		9.679480e-07	0.000000e+00		-5.160270e-06
alpha_bf_06	0.000000e+00	2.019230e-06	0.000000e+00		3.205130e-06	0.000000e+00		2.275640e-05
alpha_bf_07	0.000000e+00	6.538460e-06	0.000000e+00		2.570510e-06	0.000000e+00		4.307690e-05
alpha_bf_08	0.000000e+00	3.205120e-08	0.000000e+00		4.487180e-08	0.000000e+00		2.083330e-06
alpha_bf_09	0.000000e+00	1.602560e-07	0.000000e+00		9.935900e-08	0.000000e+00		2.147440e-06
alpha_bf_10	0.000000e+00	6.410260e-08	0.000000e+00		1.185900e-07	0.000000e+00		-8.974360e-07
alpha_bf_11	0.000000e+00	1.570510e-06	0.000000e+00		4.358970e-07	0.000000e+00		-3.750000e-06
alpha_bf_12	0.000000e+00	2.948720e-06	0.000000e+00		1.980770e-06	0.000000e+00		-5.403850e-05
alpha_bf_13	0.000000e+00	1.410260e-06	0.000000e+00		5.032050e-07	0.000000e+00		-2.051280e-06
alpha_bf_14	0.000000e+00	-1.282050e-07	0.000000e+00		6.089750e-08	0.000000e+00		3.141030e-06
alpha_bf_15	0.000000e+00	3.205130e-08	0.000000e+00		-9.615390e-09	0.000000e+00		2.692310e-06
alpha_bf_16	0.000000e+00	2.243590e-07	0.000000e+00		1.346150e-07	0.000000e+00		-1.282050e-06
alpha_bf_17	0.000000e+00	9.935900e-07	0.000000e+00		3.942310e-07	0.000000e+00		-1.282050e-07
alpha_bf_18	0.000000e+00	5.993590e-06	0.000000e+00		3.599360e-06	0.000000e+00		-9.125000e-05
alpha_bf_19	0.000000e+00	-1.634620e-06	0.000000e+00		1.246800e-06	0.000000e+00		3.631410e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
alpha_bf_20	0.000000e+00	1.528850e-05	0.000000e+00		8.413460e-06	0.000000e+00		1.340380e-04
alpha_bf_21	0.000000e+00	7.179490e-06	0.000000e+00		6.304490e-06	0.000000e+00		-1.181090e-04
alpha_bf_22	0.000000e+00	3.717950e-06	0.000000e+00		2.871790e-06	0.000000e+00		4.698720e-05
alpha_bf_23	0.000000e+00	-4.487180e-07	0.000000e+00		7.820510e-07	0.000000e+00		1.839740e-05
alpha_bf_24	0.000000e+00	3.301280e-06	0.000000e+00		-2.205130e-06	0.000000e+00		2.342950e-05
alpha_bf_25	0.000000e+00	4.807700e-07	0.000000e+00		9.903850e-07	0.000000e+00		5.608970e-06
alpha_bf_26	0.000000e+00	0.000000e+00	0.000000e+00		6.089740e-08	0.000000e+00		0.000000e+00
alpha_bf_27	0.000000e+00	2.692310e-06	0.000000e+00		8.782050e-07	0.000000e+00		2.009620e-05
alpha_bf_28	0.000000e+00	2.564100e-07	0.000000e+00		6.538460e-07	0.000000e+00		-3.525640e-07
alpha_bf_29	0.000000e+00	-9.615380e-08	0.000000e+00		1.282050e-08	0.000000e+00		9.615370e-08
alpha_bf_30	0.000000e+00	1.602560e-07	0.000000e+00		5.128210e-08	0.000000e+00		-2.564100e-07
alpha_bf_31	0.000000e+00	-3.205130e-08	0.000000e+00		8.012820e-08	0.000000e+00		2.243590e-07
alpha_bf_32	0.000000e+00	1.660260e-05	0.000000e+00		2.314100e-06	0.000000e+00		-7.160260e-05
alpha_bf_33	0.000000e+00	1.240380e-05	0.000000e+00		6.480770e-06	0.000000e+00		-4.016030e-05
alpha_bf_34	0.000000e+00	2.371790e-05	0.000000e+00		3.048080e-06	0.000000e+00		-1.431410e-04
alpha_bf_35	0.000000e+00	1.602560e-07	0.000000e+00		1.858970e-07	0.000000e+00		-9.294870e-06
alpha_bf_36	0.000000e+00	6.730770e-07	0.000000e+00		3.814100e-07	0.000000e+00		-1.153850e-06
alpha_bf_37	0.000000e+00	-1.602560e-07	0.000000e+00		-4.487180e-08	0.000000e+00		1.858970e-06
alpha_bf_38	0.000000e+00	1.378210e-06	0.000000e+00		9.487180e-07	0.000000e+00		-5.673080e-06
alpha_bf_39	0.000000e+00	-2.243590e-07	0.000000e+00		5.224360e-07	0.000000e+00		-2.435900e-06
alpha_bf_40	0.000000e+00	-1.282050e-07	0.000000e+00		1.634620e-07	0.000000e+00		-2.179490e-06
alpha_bf_41	0.000000e+00	4.447990e-18	0.000000e+00		2.339740e-07	0.000000e+00		5.769230e-07

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
alpha_bf_42	0.000000e+00	3.846150e-07	0.000000e+00		4.967950e-07	0.000000e+00		-1.121800e-06
alpha_bf_43	0.000000e+00	6.410260e-08	0.000000e+00		7.179490e-07	0.000000e+00		-2.756410e-06
alpha_bf_44	0.000000e+00	-1.923080e-07	0.000000e+00		1.698720e-07	0.000000e+00		1.602560e-07
alpha_bf_45	0.000000e+00	-6.410250e-08	0.000000e+00		1.570510e-07	0.000000e+00		2.948720e-06
alpha_bf_46	0.000000e+00	-3.205130e-08	0.000000e+00		1.442310e-07	0.000000e+00		3.365390e-06
alpha_bf_47	0.000000e+00	-1.089740e-06	0.000000e+00		2.564100e-07	0.000000e+00		3.589740e-06
alpha_bf_v	0.000000e+00	3.573290e-04	0.000000e+00		9.449520e-05	0.000000e+00		-4.048560e-02
blai_frsd	-1.774630e-03	1.420670e-04	-2.538560e-03		3.647450e-04	1.137110e-04		-9.404360e-03
blai_frse	-8.193830e-03	4.825800e-04	-7.951580e-03		7.894550e-04	-4.309940e-03		-4.753940e-02
blai_rnge	-1.007950e-03	2.529830e-04	-1.489570e-03		3.503840e-04	1.834500e-05		-6.836620e-03
canmx_01	1.598080e-04	-1.982690e-05	2.570830e-04		-2.073080e-05	-6.750300e-06		1.287340e-03
canmx_02	2.996150e-04	-1.801600e-05	4.296150e-04		-3.010580e-05	6.524860e-06		1.809230e-03
canmx_03	1.329740e-03	-8.894230e-06	1.786570e-03		5.400650e-06	-5.077050e-05		6.061280e-03
canmx_04	4.378200e-05	-6.608970e-06	6.865380e-05		-1.020190e-05	-4.474960e-06		3.651280e-04
canmx_05	1.423210e-03	-1.418850e-04	1.997630e-03		-2.884130e-04	-1.217310e-04		8.150550e-03
canmx_06	1.510900e-03	-1.647020e-04	2.126860e-03		-4.017280e-04	-5.891050e-05		9.217500e-03
canmx_07	2.022310e-03	-3.387720e-04	2.907690e-03		-4.945770e-04	-1.572780e-04		1.897430e-02
canmx_08	1.958330e-05	-1.589740e-06	4.679490e-05		-2.958330e-06	-4.955240e-06		1.297120e-04
canmx_09	4.554490e-05	-7.275640e-06	9.233970e-05		-1.009620e-05	-2.021610e-05		3.964100e-04
canmx_10	1.798080e-05	-1.464740e-06	3.073720e-05		-3.509620e-06	-6.680350e-06		4.858970e-05
canmx_11	2.771790e-04	-1.230070e-12	3.875960e-04		-2.628530e-05	-5.795250e-05		9.798720e-04
canmx_12	5.972440e-04	-3.126600e-05	9.432050e-04		-7.464420e-05	-1.431200e-04		3.578810e-03

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CT

control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
canmx_13	4.517630e-04	-1.265700e-05	6.907050e-04		-3.324040e-05	-3.974490e-05		2.620800e-03
canmx_14	2.883970e-04	-1.039100e-05	4.710900e-04		-4.482050e-05	-5.113410e-05		8.566350e-04
canmx_15	3.480770e-05	-2.666670e-06	6.189100e-05		-5.016030e-06	1.848490e-06		1.441030e-04
canmx_16	1.417310e-04	-2.012820e-06	1.769870e-04		-7.887820e-06	-2.330510e-05		5.340060e-04
canmx_17	4.826600e-04	-1.305130e-05	6.844230e-04		-6.946800e-05	-4.094100e-05		6.054490e-04
canmx_18	5.173010e-03	1.243110e-04	3.147080e-03		-1.616730e-04	4.902150e-03		1.328770e-02
canmx_19	1.416600e-03	-1.754810e-05	2.061760e-03		-1.863910e-04	-1.564350e-04		2.700800e-03
canmx_20	7.482560e-03	-5.424010e-04	4.704620e-03		-6.076310e-04	7.295540e-03		4.016720e-02
canmx_21	3.177280e-03	-2.265160e-04	4.655510e-03		-5.923880e-04	-2.493660e-04		2.280900e-02
canmx_22	5.384810e-03	-4.366380e-04	3.459710e-03		-4.823910e-04	5.427910e-03		3.303950e-02
canmx_23	6.152880e-04	-6.226920e-05	9.170190e-04		-1.221220e-04	-7.644580e-05		2.862920e-03
canmx_24	1.034360e-03	-8.143270e-05	1.428010e-03		-1.789580e-04	-1.202560e-05		6.012890e-03
canmx_25	8.957690e-04	-5.618270e-05	1.357210e-03		-1.825930e-04	-7.829680e-05		4.693490e-03
canmx_26	1.121790e-05	4.647440e-07	1.259620e-05		-2.217950e-06	-1.934290e-06		-3.237180e-06
canmx_27	6.116030e-04	-1.679490e-05	9.250960e-04		-1.318300e-04	6.566030e-06		1.075670e-03
canmx_28	2.716990e-04	-2.555130e-05	4.522440e-04		-9.440060e-05	-9.510890e-06		9.551920e-04
canmx_29	1.602560e-06	9.935890e-08	4.423080e-06		-1.538460e-07	2.367310e-06		1.602570e-06
canmx_30	1.891030e-06	-1.057690e-07	6.987180e-06		-9.294870e-08	7.116670e-06		5.673080e-06
canmx_31	2.185900e-05	-2.371800e-07	3.849360e-05		-2.355770e-06	4.696150e-06		9.262820e-05
canmx_32	4.108300e-03	-6.888780e-05	2.519710e-03		-7.832370e-05	4.280900e-03		1.018200e-02
canmx_33	2.232720e-03	-3.578210e-05	3.247530e-03		-1.259650e-04	-1.064660e-04		5.902120e-03
canmx_34	3.929260e-03	9.252890e-05	5.662760e-03		-1.922720e-04	-2.562160e-04		1.053530e-02

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9

control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
canmx_35	3.890710e-04	-2.745510e-05	4.647120e-04		-8.300640e-05	6.717310e-06		1.852280e-03
canmx_36	2.036860e-04	-3.607050e-05	2.307370e-04		-2.767310e-05	-1.007440e-05		1.166280e-03
canmx_37	6.535260e-05	-1.031090e-05	5.836540e-05		-7.378200e-06	1.249390e-05		4.221150e-04
canmx_38	1.193330e-03	-1.660800e-04	1.553210e-03		-1.006630e-04	-1.226320e-04		1.073730e-02
canmx_39	2.688140e-04	-4.697440e-05	3.641990e-04		-3.780770e-05	2.176600e-06		2.709550e-03
canmx_40	1.466030e-04	-2.110900e-05	1.683650e-04		-1.611540e-05	-7.884560e-07		1.053720e-03
canmx_41	9.448720e-05	-1.622760e-05	1.175000e-04		-2.235260e-05	-1.394260e-05		3.048720e-04
canmx_42	2.685580e-04	-4.988460e-05	3.342950e-04		-8.720510e-05	-7.638480e-06		1.197180e-03
canmx_43	2.885900e-04	-5.915380e-05	3.920510e-04		-1.046060e-04	-6.874780e-05		1.880160e-03
canmx_44	3.852560e-05	-1.044550e-05	4.663460e-05		-1.322760e-05	6.112180e-06		1.792950e-04
canmx_45	9.320510e-05	-1.708970e-05	1.168910e-04		-2.725000e-05	-1.576280e-06		2.454810e-04
canmx_46	2.916670e-05	-6.621790e-06	4.298080e-05		-7.266030e-06	-9.438460e-06		2.336860e-04
canmx_47	1.586860e-04	-4.102370e-04	2.265380e-04		-2.300740e-04	-1.293720e-05		1.786960e-03
canmx_v	3.638840e-03	-3.598170e-04	4.032250e-03		-6.610630e-04	1.511920e-03		2.679670e-02
canmxfac.07	1.432320e-02	-2.039770e-03	2.151300e-02		-3.982340e-03	-6.916940e-04		1.369770e-01
canmxfac.15	1.408120e-02	-2.716290e-03	7.995260e-02		-1.293380e-02	-7.613840e-02		8.170840e-02
ch_k2_r	0.000000e+00	-7.898480e-03	0.000000e+00		-6.575910e-03	0.000000e+00		1.227870e-01
ch_n2_r	0.000000e+00	-6.726690e-04	0.000000e+00		-5.097660e-04	0.000000e+00		5.464500e-02
cn2_01	-7.352560e-05	3.416630e-04	-1.466030e-04		2.587440e-04	-7.221150e-06		-2.734520e-02
cn2_02	-1.066670e-04	8.550100e-04	-1.883650e-04		4.143170e-04	-1.956470e-05		-2.247690e-02
cn2_03	-5.338780e-04	3.419790e-03	-9.897110e-04		2.090280e-03	-5.103530e-06		-1.380400e-01
cn2_04	-9.487180e-06	1.306630e-04	-3.669870e-05		8.092630e-05	3.931730e-06		-8.675380e-03

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7

control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
cn2_05	-4.973080e-04	5.115260e-03	-1.472630e-03		4.363300e-03	9.505100e-05		-1.345020e-01
cn2_06	-3.668590e-04	6.578040e-03	-1.015540e-03		4.287900e-03	5.504420e-05		-3.268620e-01
cn2_07	-5.173720e-04	7.931530e-03	-1.774200e-03		5.820350e-03	1.433320e-04		-4.538380e-01
cn2_08	-1.003210e-05	1.307630e-04	-2.657050e-05		7.124360e-05	-4.507370e-06		-4.764130e-03
cn2_09	-1.445510e-05	2.047500e-04	-6.304490e-05		1.314170e-04	4.532060e-07		-5.123690e-03
cn2_10	-4.583330e-06	6.884290e-05	-1.948720e-05		3.744550e-05	3.515060e-06		-4.115170e-03
cn2_11	-3.105770e-05	5.251700e-04	-1.046470e-04		4.103650e-04	1.891990e-05		-4.539290e-02
cn2_12	-7.516020e-05	1.269190e-03	-2.316030e-04		8.608590e-04	1.608240e-05		-1.311910e-01
cn2_13	-4.435900e-05	1.237460e-03	-1.691030e-04		7.171250e-04	3.415000e-05		-1.328960e-01
cn2_14	-1.671150e-04	7.289810e-04	-3.986860e-04		7.468140e-04	3.879680e-05		-7.798070e-02
cn2_15	-2.221150e-05	1.137720e-04	-5.282050e-05		1.086630e-04	-6.178530e-06		-1.087320e-02
cn2_16	-5.096150e-05	3.564940e-04	-1.440060e-04		3.038400e-04	1.369870e-05		-4.692250e-02
cn2_17	-6.179490e-05	1.057760e-03	-2.304810e-04		5.945030e-04	2.343690e-05		-9.073800e-02
cn2_18	-1.683400e-03	8.452160e-03	-3.719420e-03		8.328750e-03	1.672840e-03		-1.124910e+00
cn2_19	-1.559300e-04	2.195280e-03	-4.162180e-04		1.149850e-03	3.183400e-05		-2.676240e-01
cn2_20	-1.764040e-03	2.378500e-02	-7.068330e-03		2.022080e-02	3.962130e-03		-1.695710e+00
cn2_21	-1.449260e-03	1.025130e-02	-3.760740e-03		9.004220e-03	2.807560e-04		-7.043990e-01
cn2_22	-1.807790e-03	1.917120e-02	-6.016920e-03		1.610520e-02	3.251780e-03		-1.555210e+00
cn2_23	-2.259940e-04	1.968170e-03	-4.392630e-04		1.090090e-03	3.624680e-06		-9.861620e-02
cn2_24	-3.213780e-04	2.430910e-03	-7.651600e-04		1.573620e-03	7.412180e-06		-1.435070e-01
cn2_25	-3.469870e-04	2.344880e-03	-6.825960e-04		1.321860e-03	5.158460e-05		-1.462830e-01
cn2_26	-6.185900e-06	1.982690e-05	-8.333330e-06		1.906090e-05	-3.303530e-06		-7.437500e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
cn2_27	-3.635900e-04	1.908350e-03	-6.115060e-04		1.216440e-03	4.312950e-05		-9.281070e-02
cn2_28	-6.618590e-05	7.713210e-04	-1.123400e-04		3.047530e-04	2.934200e-05		-4.831010e-02
cn2_29	0.000000e+00	2.371790e-06	-2.403850e-06		3.935900e-06	1.755450e-06		-1.174360e-04
cn2_30	-1.666670e-06	1.804490e-05	-3.269230e-06		1.279170e-05	1.761860e-06		-1.202820e-03
cn2_31	-3.493590e-06	5.483970e-05	-8.974360e-06		2.580130e-05	4.429490e-06		-1.025310e-02
cn2_32	-3.676920e-04	7.642160e-03	-1.305510e-03		5.376740e-03	6.069660e-04		-1.250810e+00
cn2_33	-1.836540e-04	5.018640e-03	-7.092950e-04		3.574620e-03	1.518940e-05		-6.672250e-01
cn2_34	-4.541670e-04	8.366960e-03	-1.012240e-03		6.381410e-03	1.080250e-04		-1.382740e+00
cn2_35	-3.097440e-04	1.656890e-03	-6.775640e-04		1.138290e-03	4.823400e-05		-1.039810e-01
cn2_36	-7.641020e-05	9.913940e-04	-1.123080e-04		3.679870e-04	4.371820e-07		-8.072780e-02
cn2_37	-4.320510e-05	2.099970e-04	-9.493590e-05		1.428880e-04	2.109940e-05		-1.074810e-02
cn2_38	-7.502880e-04	4.832330e-03	-1.658010e-03		3.066070e-03	6.826890e-05		-2.283980e-01
cn2_39	-1.338460e-04	1.121640e-03	-3.525000e-04		6.866540e-04	2.683460e-05		-5.698200e-02
cn2_40	-6.907050e-05	5.612530e-04	-1.704170e-04		3.679130e-04	-2.244650e-05		-2.995130e-02
cn2_41	-7.762820e-05	4.786440e-04	-1.438780e-04		3.497980e-04	3.196160e-06		-8.944620e-03
cn2_42	-2.278530e-04	1.397500e-03	-3.943590e-04		9.623590e-04	-1.152720e-05		-3.561760e-02
cn2_43	-2.625960e-04	1.787180e-03	-4.755770e-04		1.079960e-03	5.395640e-05		-5.360300e-02
cn2_44	-4.006410e-05	2.818080e-04	-6.298080e-05		1.549780e-04	2.333650e-06		-9.147560e-03
cn2_45	-7.519230e-05	5.286060e-04	-1.590710e-04		3.324740e-04	2.650740e-05		-9.469390e-03
cn2_46	-1.608970e-05	9.969870e-05	-2.262820e-05		6.065380e-05	7.285900e-06		-1.038090e-02
cn2_47	-4.192310e-05	6.441990e-04	-1.109620e-04		4.100540e-04	1.423650e-05		-6.313430e-02
cn2_r	-2.291770e-02	3.598770e-01	-6.506100e-02		2.558000e-01	1.825830e-02		-3.140290e+01

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
cncoef_r	-4.101150e-04	5.455590e-03	-8.441630e-04		9.193120e-03	2.713080e-04		6.289940e-03
dlai_frzd	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
dlai_frse	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
dlai_rnge	1.186900e-03	-3.504370e-04	1.020030e-03		-2.708050e-04	-2.198650e-04		1.376770e-02
dorm_hr_v	-1.825530e-04	1.049180e-05	-1.860070e-04		7.885700e-05	6.263550e-05		4.151240e-04
epco_01	3.176280e-05	1.496790e-06	4.935900e-06		1.474360e-07	9.779490e-06		-2.216600e-04
epco_02	7.211540e-06	4.903850e-07	1.137820e-05		-2.240390e-06	-8.036860e-06		-1.837180e-04
epco_03	4.942310e-05	-3.160260e-06	1.775640e-05		-7.339740e-06	2.709710e-05		-1.117950e-04
epco_04	-8.333330e-07	-1.282050e-07	1.250000e-06		-5.673080e-07	3.028850e-07		0.000000e+00
epco_05	1.482370e-04	1.538450e-06	2.431730e-04		-3.689420e-05	-1.644810e-05		-3.000670e-03
epco_06	2.892310e-04	1.095510e-05	3.596470e-04		-6.015070e-05	-8.037120e-05		-1.227990e-02
epco_07	4.823080e-04	-4.650320e-05	4.563460e-04		-5.983330e-05	-1.252050e-04		-2.060890e-03
epco_08	5.064100e-06	5.384620e-07	3.012820e-06		-7.788460e-07	-8.897430e-07		-2.701600e-05
epco_09	7.692310e-06	-2.073720e-06	3.012820e-06		-1.442310e-06	5.250000e-06		1.573400e-05
epco_10	-2.339740e-06	-1.615390e-06	-1.602570e-07		2.884620e-08	-6.326920e-07		3.477240e-05
epco_11	2.310900e-05	-3.682690e-06	4.608970e-05		-5.397440e-06	-5.583010e-06		9.785250e-05
epco_12	1.071790e-04	1.679810e-05	1.208970e-04		-1.356410e-05	-2.903240e-05		-6.090650e-03
epco_13	8.384620e-05	-1.075960e-05	9.814100e-05		-1.933010e-05	-4.690770e-05		3.330770e-04
epco_14	4.391030e-05	-2.439100e-06	1.788460e-05		-3.673080e-06	2.415830e-05		-2.685900e-05
epco_15	1.346150e-06	-9.294870e-08	1.923080e-07		3.141030e-07	4.113140e-06		0.000000e+00
epco_16	1.496800e-05	-6.826920e-07	1.025640e-05		-1.891030e-06	-8.878240e-08		-9.541670e-05
epco_17	1.009620e-05	5.641020e-07	7.756410e-06		-1.942310e-06	1.458810e-05		-3.141670e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
epco_18	1.783650e-04	-4.294870e-06	2.017950e-04		-3.019870e-05	-6.876730e-05		-5.962790e-03
epco_19	4.458330e-05	-4.285260e-06	4.032050e-05		-8.743590e-06	-8.645520e-06		1.169870e-05
epco_20	1.078210e-03	-1.459330e-04	1.102240e-03		-2.543040e-04	7.611700e-05		-6.869560e-03
epco_21	5.251280e-04	2.721790e-05	5.372120e-04		-7.825000e-05	3.491150e-05		-9.113960e-03
epco_22	9.251920e-04	-1.244100e-04	7.737500e-04		-1.666380e-04	8.532210e-05		-1.505100e-03
epco_23	1.400640e-05	-1.628200e-06	4.246790e-05		-1.081410e-05	1.798400e-06		8.538140e-05
epco_24	3.554490e-05	-3.817310e-06	5.759620e-05		-4.006410e-06	4.285900e-06		-8.367950e-05
epco_25	3.602560e-05	-1.233330e-05	5.875000e-05		-1.743590e-06	-9.584290e-06		3.029190e-03
epco_26	8.012820e-07	0.000000e+00	1.057690e-06		0.000000e+00	-9.634620e-07		0.000000e+00
epco_27	2.807690e-05	5.538460e-06	1.750000e-05		2.852570e-07	1.467560e-05		-3.683780e-04
epco_28	1.057690e-06	2.948720e-07	7.467950e-06		-4.294870e-07	-5.544860e-07		-1.025640e-05
epco_29	-3.205130e-07	0.000000e+00	1.923080e-07		-3.205130e-09	-1.205130e-06		0.000000e+00
epco_30	-1.282050e-07	-3.205130e-08	9.294870e-07		-3.205130e-09	-1.045830e-06		0.000000e+00
epco_31	8.782050e-06	7.467950e-07	1.185900e-06		-6.378200e-07	7.376600e-06		-7.371470e-05
epco_32	3.309290e-04	-3.128850e-05	4.223720e-04		-6.529170e-05	5.237500e-06		-2.413980e-03
epco_33	2.437180e-04	4.394230e-05	3.020190e-04		-2.683970e-05	-6.011630e-05		-1.367060e-02
epco_34	3.212180e-04	4.565710e-05	4.846470e-04		-8.058970e-05	-2.871480e-06		-1.859720e-02
epco_35	4.519230e-05	8.692310e-06	6.772440e-05		-7.663460e-06	7.878850e-06		-2.811680e-03
epco_36	1.865390e-05	1.512820e-06	3.227560e-05		-7.407050e-06	-1.230900e-05		-1.195580e-04
epco_37	1.076920e-05	-1.086540e-06	7.692310e-06		-1.971150e-06	8.531410e-06		6.556740e-05
epco_38	4.990380e-05	-2.499360e-05	9.147440e-05		-1.522760e-05	-2.440960e-05		6.070350e-04
epco_39	3.673080e-05	-4.346150e-06	2.012820e-05		-5.410260e-06	-6.592950e-06		1.547180e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
epco_40	2.333330e-05	-5.993590e-07	-5.929490e-06		-1.262820e-06	1.842310e-05		-2.025640e-05
epco_41	2.298080e-05	-1.147440e-05	-2.243590e-06		-1.471150e-06	2.560540e-05		4.407400e-04
epco_42	3.189100e-05	2.259620e-06	2.490380e-05		-8.141020e-07	5.255130e-06		3.100960e-05
epco_43	4.721150e-05	1.367630e-05	3.333330e-05		-7.227560e-06	2.968590e-06		-2.770060e-04
epco_44	1.137820e-05	3.589750e-07	3.910260e-06		-7.532050e-07	3.825960e-06		-7.571160e-05
epco_45	3.541670e-05	-1.144230e-06	1.012820e-05		-2.243590e-06	-1.386220e-06		7.685930e-06
epco_46	-1.089750e-06	1.592950e-06	3.493590e-06		-1.291670e-06	3.837180e-06		-8.271160e-05
epco_47	5.445510e-05	1.015380e-05	5.532050e-05		-3.195510e-06	-4.515060e-06		-1.405770e-05
epco_v	6.590160e-03	-2.847420e-04	6.917310e-03		-1.074240e-03	2.067590e-04		-7.809500e-02
esco_01	-9.794230e-04	-3.737180e-06	-8.904490e-04		6.721800e-05	6.086600e-05		6.215960e-03
esco_02	-2.281380e-03	1.870450e-04	-2.396350e-03		3.734970e-04	4.788750e-05		7.494570e-03
esco_03	-9.393330e-03	3.878400e-04	-1.003140e-02		1.281620e-03	3.733590e-04		5.149350e-02
esco_04	-4.216030e-04	3.614100e-05	-4.921470e-04		5.591020e-05	1.615800e-05		-1.257210e-03
esco_05	-4.938780e-03	7.490670e-04	-5.783490e-03		8.571510e-04	1.013090e-04		-1.450500e-02
esco_06	-6.156350e-03	4.363970e-04	-7.066510e-03		9.334490e-04	1.675050e-04		4.427100e-02
esco_07	-8.646190e-03	1.225920e-03	-1.008000e-02		1.543450e-03	3.455010e-04		6.853940e-03
esco_08	-1.560580e-04	2.169550e-05	-1.566990e-04		2.931090e-05	4.229550e-05		-9.669870e-04
esco_09	-3.555130e-04	3.956090e-05	-2.998720e-04		6.675000e-05	4.011120e-05		-1.553780e-03
esco_10	-9.349360e-05	1.194550e-05	-7.426280e-05		1.725000e-05	-2.385580e-05		-5.660260e-04
esco_11	-1.512120e-03	2.065960e-04	-1.633140e-03		2.416090e-04	5.083240e-05		-7.918530e-03
esco_12	-3.028590e-03	4.186510e-04	-3.587530e-03		4.761410e-04	6.301990e-05		-8.865960e-03
esco_13	-2.347950e-03	3.580550e-04	-2.658370e-03		4.289010e-04	1.386280e-04		-1.349030e-02

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
esco_14	-1.647080e-03	-1.537600e-04	-1.587080e-03		7.006730e-05	5.010160e-05		4.540340e-02
esco_15	-1.856090e-04	4.333330e-06	-2.022760e-04		1.525000e-05	2.367660e-05		1.648400e-04
esco_16	-5.244870e-04	3.791990e-05	-5.141350e-04		6.290380e-05	7.147120e-06		-1.717600e-03
esco_17	-3.362370e-03	1.953140e-04	-3.609040e-03		4.532370e-04	1.510210e-04		5.311090e-03
esco_18	-3.609370e-02	4.191860e-03	-3.649320e-02		6.418830e-03	-1.063630e-03		1.113300e-01
esco_19	-1.056280e-02	3.635420e-04	-1.165550e-02		1.387230e-03	4.783050e-04		7.133820e-02
esco_20	-2.781130e-02	5.486290e-03	-2.704250e-02		5.376380e-03	-2.246220e-03		-1.240410e-01
esco_21	-1.240500e-02	7.328080e-04	-1.357830e-02		1.461840e-03	5.028500e-04		1.164560e-01
esco_22	-1.983790e-02	3.508110e-03	-1.988080e-02		2.906470e-03	-1.750000e-03		-7.155150e-02
esco_23	-3.438880e-03	1.327790e-04	-3.054290e-03		4.767560e-04	9.648110e-05		6.553500e-03
esco_24	-5.767690e-03	1.232310e-04	-5.332950e-03		7.299680e-04	3.043560e-04		3.356100e-02
esco_25	-4.861730e-03	-2.869070e-04	-4.581510e-03		4.331540e-04	1.774090e-04		7.034540e-02
esco_26	-3.503210e-05	1.641030e-06	-4.445510e-05		3.394230e-06	2.064810e-05		2.051920e-04
esco_27	-3.191280e-03	2.694780e-04	-2.810580e-03		5.369330e-04	1.095070e-04		-5.259840e-03
esco_28	-1.429390e-03	-2.981730e-05	-1.319810e-03		1.235060e-04	6.116410e-05		6.103180e-03
esco_29	-4.326920e-06	2.564100e-07	-1.964740e-05		1.445510e-06	3.223720e-06		1.634620e-06
esco_30	-3.663460e-05	1.192310e-06	-3.233970e-05		1.916670e-06	3.381410e-06		-8.269230e-06
esco_31	-1.167310e-04	5.881410e-06	-8.278850e-05		9.512820e-06	-1.021350e-05		-1.318590e-04
esco_32	-1.827100e-02	1.822120e-03	-2.115210e-02		2.486040e-03	3.663330e-04		2.496960e-02
esco_33	-1.003030e-02	5.951960e-04	-1.178940e-02		1.151070e-03	4.069940e-04		3.196460e-02
esco_34	-1.539700e-02	1.068440e-03	-1.842660e-02		1.969540e-03	7.230140e-04		9.009070e-02
esco_35	-2.330000e-03	2.132150e-04	-2.606250e-03		2.842370e-04	1.331340e-04		-6.298690e-03

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
esco_36	-1.141760e-03	-6.554500e-06	-1.221090e-03		1.113940e-04	9.176410e-05		9.103880e-03
esco_37	-3.016030e-04	4.223080e-05	-3.130130e-04		6.060580e-05	9.398400e-06		-1.103400e-03
esco_38	-1.037910e-02	8.938530e-04	-1.211850e-02		1.839710e-03	1.607990e-04		3.083260e-02
esco_39	-2.764130e-03	3.499580e-04	-3.138370e-03		4.777120e-04	1.068350e-04		-7.348850e-03
esco_40	-1.378080e-03	1.943620e-04	-1.539900e-03		2.623370e-04	2.808300e-05		-4.354260e-03
esco_41	-5.013780e-04	7.631730e-05	-4.775640e-04		9.555130e-05	1.343940e-05		-2.760100e-03
esco_42	-1.469520e-03	-3.019880e-05	-1.542500e-03		1.116510e-04	1.019520e-04		-1.472020e-03
esco_43	-1.725190e-03	1.920830e-05	-1.868690e-03		2.147660e-04	1.367620e-04		-2.284290e-03
esco_44	-2.362180e-04	1.581090e-05	-2.809290e-04		4.798080e-05	2.000540e-05		-7.717950e-04
esco_45	-6.083010e-04	4.503850e-05	-6.157050e-04		1.084780e-04	-5.885220e-05		-1.747980e-03
esco_46	-2.034940e-04	2.025960e-05	-2.161860e-04		2.491350e-05	5.400960e-06		-8.323720e-04
esco_47	-1.098170e-03	8.441030e-05	-1.186700e-03		9.329810e-05	2.991190e-05		-4.490900e-03
esco_v	-2.313400e-01	1.696280e-02	-2.530150e-01		2.640460e-02	-1.110900e-05		7.089610e-01
evrch_r	0.000000e+00	-1.140480e-04	0.000000e+00		-9.131540e-05	0.000000e+00		1.975650e-03
gw_delay_01	0.000000e+00	-4.423080e-06	0.000000e+00		-8.974360e-07	0.000000e+00		9.391030e-06
gw_delay_02	0.000000e+00	-2.051280e-06	0.000000e+00		-2.500000e-06	0.000000e+00		6.410260e-06
gw_delay_03	0.000000e+00	-2.230770e-05	0.000000e+00		-3.365380e-06	0.000000e+00		1.322440e-04
gw_delay_04	0.000000e+00	-6.666670e-06	0.000000e+00		-1.955130e-06	0.000000e+00		1.448720e-05
gw_delay_05	0.000000e+00	-9.721150e-05	0.000000e+00		-3.147440e-05	0.000000e+00		2.238780e-04
gw_delay_06	0.000000e+00	-1.684620e-04	0.000000e+00		-5.445510e-05	0.000000e+00		2.855770e-04
gw_delay_07	0.000000e+00	-2.143910e-04	0.000000e+00		-3.003200e-05	0.000000e+00		3.587500e-04
gw_delay_08	0.000000e+00	-1.634620e-06	0.000000e+00		-4.166670e-07	0.000000e+00		4.070510e-06

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
gw_delay_09	0.000000e+00	-4.551280e-06	0.000000e+00		-6.089750e-07	0.000000e+00		1.179490e-05
gw_delay_10	0.000000e+00	-1.634620e-06	0.000000e+00		-4.487180e-07	0.000000e+00		4.551280e-06
gw_delay_11	0.000000e+00	-2.205130e-05	0.000000e+00		-5.320510e-06	0.000000e+00		4.038140e-04
gw_delay_12	0.000000e+00	-3.067310e-05	0.000000e+00		-1.887820e-05	0.000000e+00		5.810900e-05
gw_delay_13	0.000000e+00	-4.939100e-05	0.000000e+00		-8.237180e-06	0.000000e+00		1.370190e-04
gw_delay_14	0.000000e+00	-3.141030e-06	0.000000e+00		-3.237180e-06	0.000000e+00		9.615380e-05
gw_delay_15	0.000000e+00	-1.634620e-06	0.000000e+00		-4.487180e-07	0.000000e+00		5.448720e-05
gw_delay_16	0.000000e+00	-7.211540e-06	0.000000e+00		-1.955130e-06	0.000000e+00		6.807690e-05
gw_delay_17	0.000000e+00	-2.224360e-05	0.000000e+00		-7.083330e-06	0.000000e+00		3.384620e-05
gw_delay_18	0.000000e+00	-5.932690e-05	0.000000e+00		-9.807690e-06	0.000000e+00		4.133650e-04
gw_delay_19	0.000000e+00	-1.657050e-05	0.000000e+00		-1.487180e-05	0.000000e+00		3.849360e-05
gw_delay_20	0.000000e+00	-6.050000e-04	0.000000e+00		-6.951920e-05	0.000000e+00		1.085510e-03
gw_delay_21	0.000000e+00	-2.846150e-04	0.000000e+00		-9.852560e-05	0.000000e+00		7.357050e-04
gw_delay_22	0.000000e+00	-4.373400e-04	0.000000e+00		-6.096150e-05	0.000000e+00		9.113140e-04
gw_delay_23	0.000000e+00	-8.333330e-07	0.000000e+00		-6.858970e-06	0.000000e+00		0.000000e+00
gw_delay_24	0.000000e+00	-1.826920e-06	0.000000e+00		-1.125000e-05	0.000000e+00		3.461540e-06
gw_delay_25	0.000000e+00	0.000000e+00	0.000000e+00		-6.250000e-06	0.000000e+00		0.000000e+00
gw_delay_26	0.000000e+00	0.000000e+00	0.000000e+00		-6.410260e-08	0.000000e+00		3.205130e-08
gw_delay_27	0.000000e+00	-5.028850e-05	0.000000e+00		-1.583330e-05	0.000000e+00		8.599360e-05
gw_delay_28	0.000000e+00	-1.868590e-05	0.000000e+00		-5.993590e-06	0.000000e+00		3.923080e-05
gw_delay_29	0.000000e+00	-3.525640e-07	0.000000e+00		-1.282050e-07	0.000000e+00		2.564100e-07
gw_delay_30	0.000000e+00	-4.807690e-07	0.000000e+00		-1.923080e-07	0.000000e+00		8.974360e-07

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
gw_delay_31	0.000000e+00	-1.474360e-06	0.000000e+00		-4.166670e-07	0.000000e+00		3.173080e-06
gw_delay_32	0.000000e+00	-5.698080e-04	0.000000e+00		-1.361860e-04	0.000000e+00		2.228110e-03
gw_delay_33	0.000000e+00	-3.087500e-04	0.000000e+00		-9.288460e-05	0.000000e+00		9.487180e-04
gw_delay_34	0.000000e+00	-4.070190e-04	0.000000e+00		-9.512820e-05	0.000000e+00		1.597600e-03
gw_delay_35	0.000000e+00	-5.439100e-05	0.000000e+00		-1.496800e-05	0.000000e+00		1.665060e-04
gw_delay_36	0.000000e+00	-1.121790e-06	0.000000e+00		-2.820510e-06	0.000000e+00		3.205130e-06
gw_delay_37	0.000000e+00	-5.512820e-06	0.000000e+00		-1.282050e-06	0.000000e+00		1.503210e-05
gw_delay_38	0.000000e+00	-9.294870e-06	0.000000e+00		-1.830130e-05	0.000000e+00		9.939100e-05
gw_delay_39	0.000000e+00	-3.798080e-05	0.000000e+00		-6.410260e-06	0.000000e+00		1.057370e-04
gw_delay_40	0.000000e+00	-1.618590e-05	0.000000e+00		-2.948720e-06	0.000000e+00		3.730770e-05
gw_delay_41	0.000000e+00	-6.794870e-06	0.000000e+00		-1.730770e-06	0.000000e+00		1.596150e-05
gw_delay_42	0.000000e+00	-6.410260e-08	0.000000e+00		-2.788460e-06	0.000000e+00		0.000000e+00
gw_delay_43	0.000000e+00	-1.282050e-07	0.000000e+00		-2.339740e-06	0.000000e+00		0.000000e+00
gw_delay_44	0.000000e+00	-4.134610e-06	0.000000e+00		-6.410260e-07	0.000000e+00		1.041670e-05
gw_delay_45	0.000000e+00	-1.128210e-05	0.000000e+00		-3.717950e-06	0.000000e+00		2.535260e-05
gw_delay_46	0.000000e+00	-4.166670e-07	0.000000e+00		-4.166670e-07	0.000000e+00		0.000000e+00
gw_delay_47	0.000000e+00	-3.628200e-05	0.000000e+00		-5.160260e-06	0.000000e+00		1.553200e-04
gw_delay_v	0.000000e+00	-1.853400e-05	0.000000e+00		-4.831200e-06	0.000000e+00		8.144830e-05
gw_revap_01	0.000000e+00	-6.217950e-06	0.000000e+00		-1.057690e-06	0.000000e+00		2.884620e-05
gw_revap_02	0.000000e+00	-7.980770e-06	0.000000e+00		-1.038460e-05	0.000000e+00		1.282050e-04
gw_revap_03	0.000000e+00	-2.368590e-05	0.000000e+00		-4.391030e-06	0.000000e+00		1.282050e-05
gw_revap_04	0.000000e+00	-1.291670e-05	0.000000e+00		-5.608970e-06	0.000000e+00		5.182690e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
gw_revap_05	0.000000e+00	-6.430450e-04	0.000000e+00		-1.394550e-04	0.000000e+00		1.574520e-03
gw_revap_06	0.000000e+00	-1.564100e-05	0.000000e+00		-1.330130e-05	0.000000e+00		1.506410e-04
gw_revap_07	0.000000e+00	-9.297760e-04	0.000000e+00		-2.131730e-04	0.000000e+00		4.632980e-03
gw_revap_08	0.000000e+00	0.000000e+00	0.000000e+00		-3.205130e-08	0.000000e+00		0.000000e+00
gw_revap_09	0.000000e+00	-2.538460e-05	0.000000e+00		-1.153850e-06	0.000000e+00		1.523720e-04
gw_revap_10	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gw_revap_11	0.000000e+00	-2.275640e-05	0.000000e+00		-6.314100e-06	0.000000e+00		1.478850e-04
gw_revap_12	0.000000e+00	-6.993590e-05	0.000000e+00		-1.442310e-05	0.000000e+00		4.113460e-04
gw_revap_13	0.000000e+00	-2.133650e-04	0.000000e+00		-5.086540e-05	0.000000e+00		9.847430e-04
gw_revap_14	0.000000e+00	-1.026600e-04	0.000000e+00		-8.910260e-06	0.000000e+00		3.626920e-04
gw_revap_15	0.000000e+00	-1.429490e-05	0.000000e+00		-7.692310e-07	0.000000e+00		6.487180e-05
gw_revap_16	0.000000e+00	-6.089740e-07	0.000000e+00		-4.487180e-07	0.000000e+00		0.000000e+00
gw_revap_17	0.000000e+00	0.000000e+00	0.000000e+00		-1.153850e-06	0.000000e+00		0.000000e+00
gw_revap_18	0.000000e+00	-6.573720e-05	0.000000e+00		-9.006410e-06	0.000000e+00		6.059940e-04
gw_revap_19	0.000000e+00	-3.489420e-04	0.000000e+00		-5.721150e-05	0.000000e+00		1.056380e-03
gw_revap_20	0.000000e+00	-2.644780e-03	0.000000e+00		-2.312820e-04	0.000000e+00		1.103570e-02
gw_revap_21	0.000000e+00	-4.025640e-05	0.000000e+00		-2.083330e-05	0.000000e+00		5.320510e-04
gw_revap_22	0.000000e+00	-1.914870e-03	0.000000e+00		-5.069230e-04	0.000000e+00		1.244480e-02
gw_revap_23	0.000000e+00	-2.120510e-04	0.000000e+00		-3.211540e-05	0.000000e+00		1.269290e-03
gw_revap_24	0.000000e+00	-3.298720e-04	0.000000e+00		-1.039740e-04	0.000000e+00		1.375100e-03
gw_revap_25	0.000000e+00	-8.519230e-05	0.000000e+00		-3.621790e-05	0.000000e+00		2.872120e-04
gw_revap_26	0.000000e+00	-6.730770e-07	0.000000e+00		0.000000e+00	0.000000e+00		6.442310e-06

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
gw_revap_27	0.000000e+00	-1.635900e-04	0.000000e+00		-6.817310e-05	0.000000e+00		9.538140e-04
gw_revap_28	0.000000e+00	0.000000e+00	0.000000e+00		-7.371790e-07	0.000000e+00		0.000000e+00
gw_revap_29	0.000000e+00	-3.205130e-08	0.000000e+00		-3.205130e-08	0.000000e+00		0.000000e+00
gw_revap_30	0.000000e+00	-2.467950e-06	0.000000e+00		-1.025640e-06	0.000000e+00		9.935900e-06
gw_revap_31	0.000000e+00	-3.846150e-07	0.000000e+00		-1.923080e-07	0.000000e+00		0.000000e+00
gw_revap_32	0.000000e+00	-1.094970e-03	0.000000e+00		-6.452880e-04	0.000000e+00		5.264840e-03
gw_revap_33	0.000000e+00	-1.256730e-04	0.000000e+00		-1.958330e-05	0.000000e+00		4.711540e-04
gw_revap_34	0.000000e+00	-3.482370e-04	0.000000e+00		-4.432690e-05	0.000000e+00		4.160260e-03
gw_revap_35	0.000000e+00	-2.342950e-05	0.000000e+00		-2.884620e-06	0.000000e+00		2.916670e-04
gw_revap_36	0.000000e+00	-1.162500e-04	0.000000e+00		-6.250000e-06	0.000000e+00		7.976600e-04
gw_revap_37	0.000000e+00	-9.615390e-07	0.000000e+00		-4.166670e-07	0.000000e+00		0.000000e+00
gw_revap_38	0.000000e+00	-3.688140e-04	0.000000e+00		-5.371790e-05	0.000000e+00		1.771350e-03
gw_revap_39	0.000000e+00	-1.755770e-04	0.000000e+00		-4.269230e-05	0.000000e+00		4.796150e-04
gw_revap_40	0.000000e+00	-9.086540e-05	0.000000e+00		-1.217950e-05	0.000000e+00		3.124680e-04
gw_revap_41	0.000000e+00	0.000000e+00	0.000000e+00		-1.602560e-07	0.000000e+00		0.000000e+00
gw_revap_42	0.000000e+00	-1.094550e-04	0.000000e+00		-7.756410e-06	0.000000e+00		4.803850e-04
gw_revap_43	0.000000e+00	-2.564100e-07	0.000000e+00		-1.500000e-05	0.000000e+00		0.000000e+00
gw_revap_44	0.000000e+00	-2.391030e-05	0.000000e+00		-2.051280e-06	0.000000e+00		1.468910e-04
gw_revap_45	0.000000e+00	0.000000e+00	0.000000e+00		-6.410260e-08	0.000000e+00		0.000000e+00
gw_revap_46	0.000000e+00	-1.410260e-06	0.000000e+00		-1.153850e-06	0.000000e+00		6.730770e-06
gw_revap_47	0.000000e+00	-4.649650e-04	0.000000e+00		-4.492340e-04	0.000000e+00		9.741350e-04
gw_revap_v	0.000000e+00	-3.647600e-02	0.000000e+00		-2.927460e-02	0.000000e+00		1.150940e-01

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
gwqmn_01	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_02	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_03	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_04	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_05	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_06	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_07	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_08	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_09	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_10	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_11	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_12	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_13	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_14	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_15	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_16	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_17	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_18	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_19	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_20	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_21	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
gwqmn_22	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
gwqmn_23	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_24	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_25	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_26	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_27	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_28	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_29	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_30	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_31	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_32	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_33	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_34	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_35	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_36	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_37	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_38	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_39	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_40	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_41	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_42	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_43	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_44	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
gwqmn_45	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_46	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_47	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
gwqmn_v	0.000000e+00	-8.233070e-06	0.000000e+00		-5.210440e-06	0.000000e+00	2.431620e-05
hru_slp_01	-1.804490e-05	7.012180e-05	-3.092950e-05		5.400320e-05	9.832050e-06	-4.365510e-03
hru_slp_02	-5.560900e-05	2.339360e-04	-6.987180e-05		1.677310e-04	1.608970e-07	-6.664520e-03
hru_slp_03	-5.533330e-04	1.449840e-03	-7.909620e-04		1.066410e-03	8.740350e-05	-2.279940e-02
hru_slp_04	-3.141030e-06	1.396790e-05	-2.115380e-06		7.711540e-06	-5.019230e-07	-1.415380e-04
hru_slp_05	-1.200640e-04	5.104040e-04	-1.617950e-04		3.970770e-04	-9.238140e-06	-6.576320e-03
hru_slp_06	-1.987180e-05	1.091030e-04	-3.397440e-05		8.329810e-05	-1.628530e-06	-1.618270e-03
hru_slp_07	-2.721150e-05	2.537630e-04	-3.666670e-05		1.628880e-04	-1.770580e-05	-5.446920e-03
hru_slp_08	-1.602560e-07	1.394230e-06	-1.602560e-07		5.865390e-07	-1.540710e-06	-3.782050e-06
hru_slp_09	-5.128200e-06	4.362180e-06	-1.634620e-06		4.349360e-06	-1.847120e-06	1.074680e-04
hru_slp_10	0.000000e+00	6.602560e-07	-9.615390e-08		6.314100e-07	-5.769230e-08	-1.250000e-06
hru_slp_11	-1.833330e-05	1.098970e-04	-2.009620e-05		9.588780e-05	-2.915380e-06	-1.134940e-03
hru_slp_12	-9.060900e-05	4.869710e-04	-1.179810e-04		3.809970e-04	-1.504290e-05	-8.873300e-03
hru_slp_13	-1.423080e-04	6.944390e-04	-1.941350e-04		5.568780e-04	1.685930e-05	-1.495840e-02
hru_slp_14	-1.586540e-05	9.423080e-05	-3.134620e-05		6.782050e-05	3.361540e-06	-1.104360e-03
hru_slp_15	-8.333330e-07	1.858970e-05	-5.608970e-06		1.219230e-05	-6.439110e-07	-3.168910e-04
hru_slp_16	-2.525640e-05	9.309940e-05	-3.448720e-05		6.960580e-05	-4.645190e-06	-1.516470e-03
hru_slp_17	-4.080130e-05	2.189620e-04	-7.807690e-05		1.675190e-04	1.798210e-05	-2.265480e-03
hru_slp_18	-1.908210e-03	5.112950e-03	-3.059900e-03		3.655670e-03	3.353530e-04	-1.183280e-01

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
hru_slp_19	-1.436220e-04	7.332240e-04	-2.181410e-04		5.622850e-04	-4.083170e-05	-8.516350e-03
hru_slp_20	-1.107690e-04	3.593210e-04	-1.183970e-04		2.698690e-04	-8.077570e-06	-4.934100e-03
hru_slp_21	-2.344230e-04	1.185600e-03	-2.929170e-04		9.149360e-04	2.539260e-05	-1.821250e-02
hru_slp_22	-5.817310e-05	3.806440e-04	-7.945510e-05		2.431510e-04	8.323390e-06	-3.954040e-03
hru_slp_23	-1.310900e-05	1.547760e-05	-4.679490e-06		1.361860e-05	-7.205120e-07	1.474380e-06
hru_slp_24	-2.852560e-05	6.227240e-05	-3.096150e-05		4.525000e-05	6.551930e-06	-1.758970e-04
hru_slp_25	-4.567310e-05	1.351250e-04	-5.506410e-05		1.102760e-04	8.866030e-06	-1.076380e-03
hru_slp_26	0.000000e+00	6.923080e-07	-8.653850e-07		6.025640e-07	9.028850e-07	-5.128200e-06
hru_slp_27	-1.836540e-05	9.010900e-05	-3.320510e-05		5.802560e-05	-2.003850e-06	-1.255030e-03
hru_slp_28	-1.057690e-06	1.689420e-05	-6.955130e-06		1.087820e-05	4.546150e-06	-2.098080e-04
hru_slp_29	0.000000e+00	2.564100e-07	0.000000e+00		5.160260e-07	0.000000e+00	-2.884620e-07
hru_slp_30	0.000000e+00	1.560900e-06	-9.615380e-08		1.833330e-06	9.615380e-08	-5.769230e-06
hru_slp_31	-4.038460e-06	2.481730e-05	-7.564100e-06		2.290380e-05	4.818590e-06	-3.232370e-04
hru_slp_32	-5.709300e-04	3.108200e-03	-7.276600e-04		2.150070e-03	7.410260e-05	-6.242400e-02
hru_slp_33	-2.472760e-04	1.295620e-03	-3.442310e-04		9.902950e-04	1.831540e-05	-3.037270e-02
hru_slp_34	-7.402880e-04	4.536030e-03	-1.109900e-03		3.565250e-03	1.413200e-05	-1.175720e-01
hru_slp_35	-6.740390e-05	2.098490e-04	-9.044870e-05		1.428750e-04	2.584620e-06	-1.961280e-03
hru_slp_36	-3.256410e-05	8.426280e-05	-3.189100e-05		5.675320e-05	-6.134610e-06	-9.209290e-04
hru_slp_37	-2.208330e-05	6.529490e-05	-4.490380e-05		4.290380e-05	1.204970e-05	-1.020160e-03
hru_slp_38	-9.057370e-04	2.153020e-03	-1.207530e-03		1.645670e-03	4.381350e-05	-4.657280e-02
hru_slp_39	-9.461540e-05	2.173690e-04	-8.583330e-05		1.709740e-04	-1.106150e-05	-2.758750e-03
hru_slp_40	-2.070510e-05	7.865380e-05	-3.237180e-05		5.729170e-05	6.033330e-06	-1.020540e-03

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
hru_slp_41	-8.108970e-06	1.628850e-05	-6.506410e-06		9.782050e-06	-4.271150e-06		-2.679810e-04
hru_slp_42	-5.384620e-06	1.418590e-05	-8.814100e-06		1.200640e-05	1.832370e-06		-1.890710e-04
hru_slp_43	-2.500000e-06	1.336220e-05	-3.589740e-06		9.240380e-06	-3.590060e-06		-2.230130e-04
hru_slp_44	-1.602560e-07	1.666670e-06	-9.615380e-08		1.003210e-06	-8.012820e-08		-2.532050e-06
hru_slp_45	-6.089740e-07	5.323720e-06	-2.051280e-06		6.333330e-06	-1.082050e-06		-5.125000e-05
hru_slp_46	-6.025640e-06	2.908330e-05	-3.653850e-06		1.471470e-05	-6.043590e-06		-4.086990e-03
hru_slp_47	-1.506410e-05	1.844040e-04	-1.996800e-05		1.250190e-04	-7.447760e-06		-1.546550e-02
hru_slp_r	-7.414980e-03	2.625740e-02	-1.055380e-02		1.931660e-02	1.020430e-03		-5.664000e-01
ov_n_01	0.000000e+00	5.801280e-07	0.000000e+00		-4.551280e-07	0.000000e+00		-8.333330e-06
ov_n_02	0.000000e+00	-3.000000e-06	0.000000e+00		-2.275640e-06	0.000000e+00		2.233650e-04
ov_n_03	0.000000e+00	-1.983970e-06	0.000000e+00		-2.371790e-06	0.000000e+00		1.557370e-04
ov_n_04	0.000000e+00	-9.775640e-07	0.000000e+00		-1.548080e-06	0.000000e+00		5.022440e-05
ov_n_05	0.000000e+00	-8.237180e-07	0.000000e+00		9.519230e-07	0.000000e+00		2.602920e-04
ov_n_06	0.000000e+00	-4.631410e-06	-9.615380e-08		5.128200e-07	9.615380e-08		4.316470e-04
ov_n_07	0.000000e+00	1.054490e-06	-9.615380e-08		-2.756410e-06	9.615380e-08		8.996480e-05
ov_n_08	0.000000e+00	-1.538460e-06	0.000000e+00		2.884620e-07	0.000000e+00		2.660260e-05
ov_n_09	0.000000e+00	-1.618590e-06	0.000000e+00		5.608980e-07	-9.615380e-09		2.548080e-05
ov_n_10	0.000000e+00	3.205120e-09	0.000000e+00		1.987180e-07	-9.615380e-09		0.000000e+00
ov_n_11	0.000000e+00	8.653850e-07	0.000000e+00		-2.756410e-07	0.000000e+00		3.557690e-05
ov_n_12	0.000000e+00	1.423080e-06	0.000000e+00		-5.416670e-07	0.000000e+00		2.147440e-05
ov_n_13	0.000000e+00	-4.198720e-06	0.000000e+00		-5.000000e-07	0.000000e+00		2.352560e-04
ov_n_14	0.000000e+00	-9.935900e-07	0.000000e+00		-1.403850e-06	0.000000e+00		7.051280e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat ET-precip ratio	ET-discharge-precip ratio	post-treat ET diff	NSE
ov_n_15	0.000000e+00	0.000000e+00	0.000000e+00	-7.692310e-08	0.000000e+00	0.000000e+00
ov_n_16	0.000000e+00	0.000000e+00	0.000000e+00	-3.653850e-07	0.000000e+00	0.000000e+00
ov_n_17	0.000000e+00	2.115390e-07	0.000000e+00	1.525640e-06	0.000000e+00	-1.141030e-05
ov_n_18	0.000000e+00	-9.615390e-07	0.000000e+00	2.483970e-06	0.000000e+00	1.282050e-04
ov_n_19	0.000000e+00	6.506410e-07	0.000000e+00	2.592950e-06	0.000000e+00	1.078750e-04
ov_n_20	0.000000e+00	-1.563780e-05	-8.974360e-07	-1.661860e-05	9.647430e-07	1.883520e-03
ov_n_21	0.000000e+00	-2.189100e-06	0.000000e+00	7.307690e-07	0.000000e+00	1.214520e-04
ov_n_22	0.000000e+00	-8.044870e-06	-7.371790e-07	-9.243590e-06	9.615380e-07	5.592310e-04
ov_n_23	0.000000e+00	-8.448720e-06	0.000000e+00	-1.048080e-06	9.615380e-09	3.955510e-03
ov_n_24	0.000000e+00	-1.295510e-05	0.000000e+00	2.410260e-06	0.000000e+00	4.341450e-03
ov_n_25	0.000000e+00	-1.814100e-06	0.000000e+00	-1.387820e-06	-9.615380e-09	1.399780e-04
ov_n_26	0.000000e+00	0.000000e+00	0.000000e+00	3.205120e-08	0.000000e+00	0.000000e+00
ov_n_27	0.000000e+00	7.852560e-07	0.000000e+00	-2.147440e-07	0.000000e+00	3.118590e-05
ov_n_28	0.000000e+00	1.541670e-06	0.000000e+00	2.506410e-06	0.000000e+00	-6.483980e-05
ov_n_29	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ov_n_30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
ov_n_31	0.000000e+00	0.000000e+00	0.000000e+00	8.621790e-07	0.000000e+00	0.000000e+00
ov_n_32	0.000000e+00	-6.634610e-06	0.000000e+00	2.051280e-07	0.000000e+00	4.073140e-03
ov_n_33	0.000000e+00	-4.967950e-06	0.000000e+00	4.775650e-07	0.000000e+00	5.621800e-04
ov_n_34	0.000000e+00	8.974360e-06	0.000000e+00	1.634610e-07	0.000000e+00	-3.353530e-03
ov_n_35	0.000000e+00	5.929500e-07	0.000000e+00	5.064100e-07	7.980770e-07	5.804490e-05
ov_n_36	0.000000e+00	1.070510e-06	0.000000e+00	6.282050e-07	0.000000e+00	1.241350e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
ov_n_37	0.000000e+00	7.724360e-07	0.000000e+00		1.493590e-06	-8.012820e-08		-1.282050e-05
ov_n_38	0.000000e+00	-2.676280e-06	9.615380e-08		7.500000e-07	1.621790e-06		2.253850e-04
ov_n_39	0.000000e+00	-9.935840e-08	0.000000e+00		5.769230e-07	-7.692310e-08		1.964740e-05
ov_n_40	0.000000e+00	-2.830130e-06	-6.410260e-08		-1.038460e-06	9.935900e-08		2.094330e-04
ov_n_41	-1.602560e-07	-9.967950e-07	0.000000e+00		1.455130e-06	0.000000e+00		1.050640e-05
ov_n_42	0.000000e+00	-1.762820e-06	0.000000e+00		-4.391020e-07	-1.634620e-07		6.351280e-05
ov_n_43	0.000000e+00	-2.733970e-06	6.410260e-08		-1.163460e-06	7.525640e-07		1.736540e-04
ov_n_44	0.000000e+00	-2.429490e-06	0.000000e+00		1.676280e-06	-9.615380e-09		5.150640e-05
ov_n_45	0.000000e+00	-2.179490e-06	-6.410250e-08		6.089750e-08	9.615380e-08		8.612180e-05
ov_n_46	0.000000e+00	-1.987180e-07	0.000000e+00		2.628200e-07	0.000000e+00		3.205130e-06
ov_n_47	0.000000e+00	-6.575000e-05	0.000000e+00		-9.239100e-05	0.000000e+00		1.794440e-02
ov_n_r	3.750000e-07	-1.107480e-04	-5.288460e-07		-1.109850e-04	-7.875000e-08		2.042830e-02
pcp_0_2001	7.878610e-04	3.050720e-05	0.000000e+00		0.000000e+00	6.418270e-08		-4.031320e-03
pcp_0_2002	-4.499280e-04	-3.208270e-04	0.000000e+00		0.000000e+00	-2.403850e-09		-7.658050e-02
pcp_0_2003	-1.855050e-04	-6.163990e-04	0.000000e+00		0.000000e+00	6.009610e-08		-5.061480e-03
pcp_0_2004	0.000000e+00	0.000000e+00	6.437500e-05		8.718510e-05	-1.951300e-05		0.000000e+00
pcp_0_2005	0.000000e+00	0.000000e+00	1.114420e-04		-7.024760e-05	-8.511300e-06		0.000000e+00
pcp_0_2006	0.000000e+00	0.000000e+00	-9.237980e-05		-2.811080e-04	3.478240e-04		0.000000e+00
pcp_0_2007	0.000000e+00	0.000000e+00	-5.045580e-03		8.333290e-04	2.994820e-04		0.000000e+00
pcp_0_2008	0.000000e+00	0.000000e+00	1.478170e-03		-4.284830e-04	3.276260e-04		0.000000e+00
pcp_0_2009	0.000000e+00	0.000000e+00	-3.500290e-03		-7.867810e-06	-2.936100e-04		0.000000e+00
pcp_0_2010	0.000000e+00	0.000000e+00	-3.422980e-03		-1.359300e-04	-2.666740e-04		0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
pcp_1_2001	1.184500e-03	4.524280e-05	0.000000e+00		0.000000e+00	1.370190e-07	-9.989600e-04
pcp_1_2002	-2.260790e-03	-3.435380e-04	0.000000e+00		0.000000e+00	-6.009620e-08	-5.402840e-02
pcp_1_2003	2.175120e-03	-2.043450e-03	0.000000e+00		0.000000e+00	2.403900e-09	-5.333410e-03
pcp_1_2004	0.000000e+00	0.000000e+00	-1.009620e-06		1.104570e-05	1.229330e-06	0.000000e+00
pcp_1_2005	0.000000e+00	0.000000e+00	-2.708940e-03		6.182450e-05	-6.985090e-06	0.000000e+00
pcp_1_2006	0.000000e+00	0.000000e+00	-1.396390e-04		9.936780e-05	-4.820460e-05	0.000000e+00
pcp_1_2007	0.000000e+00	0.000000e+00	3.691590e-04		-1.255890e-04	2.035590e-04	0.000000e+00
pcp_1_2008	0.000000e+00	0.000000e+00	4.563700e-04		-3.532210e-05	5.358750e-05	0.000000e+00
pcp_1_2009	0.000000e+00	0.000000e+00	2.923080e-05		-1.654090e-05	1.508200e-05	0.000000e+00
pcp_1_2010	0.000000e+00	0.000000e+00	-6.869230e-04		6.028610e-05	3.113750e-05	0.000000e+00
pcp_2_2001	4.049860e-03	1.841490e-04	0.000000e+00		0.000000e+00	-1.265140e-06	-6.931440e-03
pcp_2_2002	-4.288390e-02	-9.009350e-04	0.000000e+00		0.000000e+00	-1.009620e-06	-9.238230e-01
pcp_2_2003	-1.500790e-02	-5.834030e-03	0.000000e+00		0.000000e+00	3.269230e-07	-9.939640e-02
pcp_2_2004	0.000000e+00	0.000000e+00	1.655290e-04		5.554880e-04	-2.051950e-05	0.000000e+00
pcp_2_2005	0.000000e+00	0.000000e+00	-8.112040e-03		7.660870e-04	-5.193580e-04	0.000000e+00
pcp_2_2006	0.000000e+00	0.000000e+00	-4.289900e-03		1.061180e-03	8.210900e-05	0.000000e+00
pcp_2_2007	0.000000e+00	0.000000e+00	-2.485160e-02		2.818910e-03	-3.107620e-04	0.000000e+00
pcp_2_2008	0.000000e+00	0.000000e+00	7.399280e-04		-3.919010e-04	5.834690e-04	0.000000e+00
pcp_2_2009	0.000000e+00	0.000000e+00	-1.244600e-02		8.158800e-04	-6.182750e-04	0.000000e+00
pcp_2_2010	0.000000e+00	0.000000e+00	-2.016920e-02		1.131580e-03	-1.210060e-03	0.000000e+00
pcp_3_2001	1.008550e-02	3.668220e-04	0.000000e+00		0.000000e+00	-4.128370e-06	-1.738400e-02
pcp_3_2002	-2.774650e-01	1.452910e-01	0.000000e+00		0.000000e+00	4.731250e-06	-2.732110e+01

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
pcp_3_2003	-8.496690e-02	1.643250e-02	0.000000e+00		0.000000e+00	1.377400e-06		-1.471750e+00
pcp_3_2004	0.000000e+00	0.000000e+00	2.904330e-04		2.393360e-03	-3.933920e-05		0.000000e+00
pcp_3_2005	0.000000e+00	0.000000e+00	-3.825400e-02		1.881270e-02	-2.172020e-03		0.000000e+00
pcp_3_2006	0.000000e+00	0.000000e+00	-4.691180e-02		3.246010e-02	-3.436850e-03		0.000000e+00
pcp_3_2007	0.000000e+00	0.000000e+00	-1.430380e-01		6.356420e-02	-1.318280e-03		0.000000e+00
pcp_3_2008	0.000000e+00	0.000000e+00	-2.270850e-02		1.213220e-02	1.383100e-04		0.000000e+00
pcp_3_2009	0.000000e+00	0.000000e+00	-6.640870e-02		2.508880e-02	-4.035160e-03		0.000000e+00
pcp_3_2010	0.000000e+00	0.000000e+00	-7.135220e-02		2.454520e-02	-3.961940e-03		0.000000e+00
rcharg_dp_01	0.000000e+00	-1.487180e-05	0.000000e+00		-1.266030e-05	0.000000e+00		7.051280e-05
rcharg_dp_02	0.000000e+00	-2.612180e-05	0.000000e+00		-2.282050e-05	0.000000e+00		2.884610e-05
rcharg_dp_03	0.000000e+00	-1.093590e-04	0.000000e+00		-1.054810e-04	0.000000e+00		2.371790e-04
rcharg_dp_04	0.000000e+00	-4.583330e-06	0.000000e+00		-1.154490e-05	0.000000e+00		6.410260e-06
rcharg_dp_05	0.000000e+00	-1.195510e-04	0.000000e+00		-2.048110e-04	0.000000e+00		3.173080e-04
rcharg_dp_06	0.000000e+00	-1.442310e-04	0.000000e+00		-2.514010e-04	0.000000e+00		3.750000e-04
rcharg_dp_07	0.000000e+00	-1.623720e-04	0.000000e+00		-3.185220e-04	0.000000e+00		5.032050e-04
rcharg_dp_08	0.000000e+00	-1.762820e-06	0.000000e+00		-9.294870e-07	0.000000e+00		3.525640e-05
rcharg_dp_09	0.000000e+00	-2.339740e-06	0.000000e+00		-3.012820e-06	0.000000e+00		0.000000e+00
rcharg_dp_10	0.000000e+00	-5.128200e-07	0.000000e+00		-7.371790e-07	0.000000e+00		0.000000e+00
rcharg_dp_11	0.000000e+00	-3.535260e-05	0.000000e+00		-6.676280e-05	0.000000e+00		2.532050e-04
rcharg_dp_12	0.000000e+00	-1.361120e-04	0.000000e+00		-1.717600e-04	0.000000e+00		5.459300e-04
rcharg_dp_13	0.000000e+00	-7.673080e-05	0.000000e+00		-1.626920e-04	0.000000e+00		3.333330e-04
rcharg_dp_14	0.000000e+00	-1.945510e-05	0.000000e+00		-4.316670e-05	0.000000e+00		9.935900e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
rcharg_dp_15	0.000000e+00	-1.987180e-06	0.000000e+00		-1.891030e-06	0.000000e+00		3.205130e-06
rcharg_dp_16	0.000000e+00	-5.544870e-06	0.000000e+00		-4.679490e-06	0.000000e+00		6.410260e-06
rcharg_dp_17	0.000000e+00	-3.519230e-05	0.000000e+00		-3.060900e-05	0.000000e+00		1.185900e-04
rcharg_dp_18	0.000000e+00	-2.983010e-04	0.000000e+00		-1.477560e-04	0.000000e+00		1.105770e-03
rcharg_dp_19	0.000000e+00	-7.227560e-05	0.000000e+00		-5.528840e-05	0.000000e+00		3.653850e-04
rcharg_dp_20	0.000000e+00	-5.268910e-04	0.000000e+00		-3.336540e-04	0.000000e+00		1.634610e-03
rcharg_dp_21	0.000000e+00	-2.958010e-04	0.000000e+00		-6.241730e-04	0.000000e+00		8.076920e-04
rcharg_dp_22	0.000000e+00	-4.893970e-04	0.000000e+00		-7.195380e-04	0.000000e+00		1.089010e-03
rcharg_dp_23	0.000000e+00	-2.108970e-05	0.000000e+00		-2.227560e-05	0.000000e+00		8.333330e-05
rcharg_dp_24	0.000000e+00	-3.849360e-05	0.000000e+00		-1.305800e-04	0.000000e+00		9.935890e-05
rcharg_dp_25	0.000000e+00	-2.855770e-05	0.000000e+00		-3.134620e-05	0.000000e+00		8.333330e-05
rcharg_dp_26	0.000000e+00	-3.205130e-07	0.000000e+00		-6.250000e-07	0.000000e+00		0.000000e+00
rcharg_dp_27	0.000000e+00	-1.772440e-05	0.000000e+00		-6.060900e-05	0.000000e+00		1.602560e-05
rcharg_dp_28	0.000000e+00	-1.112180e-05	0.000000e+00		-1.125000e-05	0.000000e+00		6.730770e-05
rcharg_dp_29	0.000000e+00	-2.564100e-07	0.000000e+00		-9.134610e-07	0.000000e+00		0.000000e+00
rcharg_dp_30	0.000000e+00	-7.051280e-07	0.000000e+00		-5.115390e-06	0.000000e+00		0.000000e+00
rcharg_dp_31	0.000000e+00	-2.948720e-06	0.000000e+00		-2.596150e-06	0.000000e+00		6.410260e-06
rcharg_dp_32	0.000000e+00	-8.306120e-04	0.000000e+00		-7.912400e-04	0.000000e+00		1.642050e-03
rcharg_dp_33	0.000000e+00	-3.501920e-04	0.000000e+00		-6.240870e-04	0.000000e+00		1.121790e-03
rcharg_dp_34	0.000000e+00	-5.901920e-04	0.000000e+00		-9.830510e-04	0.000000e+00		1.740390e-03
rcharg_dp_35	0.000000e+00	-2.467950e-05	0.000000e+00		-6.374360e-05	0.000000e+00		9.615380e-05
rcharg_dp_36	0.000000e+00	-1.246790e-05	0.000000e+00		-6.634610e-06	0.000000e+00		5.128200e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
rcharg_dp_37	0.000000e+00	-3.429490e-06	0.000000e+00		-1.153850e-06	0.000000e+00		1.153850e-04
rcharg_dp_38	0.000000e+00	-1.091350e-04	0.000000e+00		-2.198910e-04	0.000000e+00		4.198720e-04
rcharg_dp_39	0.000000e+00	-2.339740e-05	0.000000e+00		-1.272440e-05	0.000000e+00		1.153850e-04
rcharg_dp_40	0.000000e+00	-1.336540e-05	0.000000e+00		-9.679490e-06	0.000000e+00		1.602560e-05
rcharg_dp_41	0.000000e+00	-2.243590e-06	0.000000e+00		-2.019230e-06	0.000000e+00		0.000000e+00
rcharg_dp_42	0.000000e+00	-3.461540e-06	0.000000e+00		-2.884620e-06	0.000000e+00		3.205130e-06
rcharg_dp_43	0.000000e+00	-4.358980e-06	0.000000e+00		-3.493590e-06	0.000000e+00		6.410260e-06
rcharg_dp_44	0.000000e+00	-8.653840e-07	0.000000e+00		-8.974360e-07	0.000000e+00		0.000000e+00
rcharg_dp_45	0.000000e+00	-2.692310e-06	0.000000e+00		-2.435900e-06	0.000000e+00		6.410260e-06
rcharg_dp_46	0.000000e+00	-5.865380e-06	0.000000e+00		-5.641020e-06	0.000000e+00		6.410260e-06
rcharg_dp_47	0.000000e+00	-3.016030e-05	0.000000e+00		-7.212820e-05	0.000000e+00		5.448720e-05
rcharg_dp_v	0.000000e+00	-7.411880e-03	0.000000e+00		-1.811860e-02	0.000000e+00		2.524050e-02
revapmn_01	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_02	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_03	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_04	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_05	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_06	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_07	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_08	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_09	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_10	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
revapmn_11	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_12	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_13	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_14	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_15	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_16	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_17	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_18	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_19	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_20	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_21	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_22	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_23	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_24	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_25	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_26	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_27	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_28	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_29	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_30	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_31	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_32	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
revapmn_33	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_34	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_35	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_36	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_37	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_38	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_39	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_40	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_41	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_42	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_43	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_44	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_45	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_46	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_47	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
revapmn_v	0.000000e+00	1.655140e-06	0.000000e+00		1.172300e-06	0.000000e+00		-1.487180e-05
sbsubbsn_01	1.397440e-05	-6.573400e-05	2.637820e-05		-6.095830e-05	-8.009610e-07		4.959290e-04
sbsubbsn_02	5.115380e-05	-2.420540e-04	8.185900e-05		-2.023270e-04	-1.006730e-05		1.946700e-03
sbsubbsn_03	8.707690e-04	-2.306310e-03	1.018400e-03		-1.967670e-03	-6.207370e-05		5.801760e-02
sbsubbsn_04	3.205130e-07	-1.291350e-05	4.871800e-06		-7.375000e-06	-3.348400e-06		1.452880e-04
sbsubbsn_05	1.426600e-04	-5.394490e-04	1.647440e-04		-4.436990e-04	-4.287720e-05		6.896320e-03
sbsubbsn_06	2.083330e-05	-1.062150e-04	3.067310e-05		-7.760580e-05	-9.903850e-06		1.247470e-03

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
sbsubbsn_07	3.314100e-05	-2.657020e-04	4.301280e-05		-1.499330e-04	-1.923650e-09	4.755990e-03
sbsubbsn_08	1.602560e-07	-3.387820e-06	1.282050e-07		-2.032050e-06	9.121800e-07	4.121790e-05
sbsubbsn_09	2.243590e-06	-9.923080e-06	4.871800e-06		-7.230770e-06	-6.650640e-07	1.031730e-04
sbsubbsn_10	0.000000e+00	-2.073720e-06	0.000000e+00		-4.935900e-07	8.557690e-08	9.692310e-05
sbsubbsn_11	1.900640e-05	-1.554260e-04	3.599360e-05		-1.314810e-04	-7.038460e-06	3.726990e-03
sbsubbsn_12	1.130450e-04	-6.015420e-04	1.726280e-04		-4.870260e-04	-4.676610e-06	1.478320e-02
sbsubbsn_13	1.457690e-04	-8.157500e-04	2.210580e-04		-6.826310e-04	-3.346060e-05	2.633980e-02
sbsubbsn_14	2.102560e-05	-9.541350e-05	2.096150e-05		-6.700000e-05	2.195510e-06	1.060450e-03
sbsubbsn_15	8.878200e-06	-2.099040e-05	6.730770e-06		-1.472120e-05	-4.345190e-06	1.978850e-04
sbsubbsn_16	2.871790e-05	-1.191150e-04	3.964740e-05		-8.593590e-05	-8.118590e-06	4.135900e-03
sbsubbsn_17	4.865380e-05	-2.707720e-04	6.250000e-05		-1.681700e-04	-9.158340e-06	1.137960e-02
sbsubbsn_18	2.112310e-03	-7.228720e-03	3.163210e-03		-5.583790e-03	-5.319780e-04	1.868540e-01
sbsubbsn_19	1.401920e-04	-8.199260e-04	2.188460e-04		-6.468850e-04	1.710900e-05	1.864850e-02
sbsubbsn_20	7.202560e-04	-1.686840e-03	9.364420e-04		-1.522440e-03	-9.298140e-05	1.506640e-02
sbsubbsn_21	1.760260e-04	-1.196870e-03	2.303210e-04		-9.098590e-04	-2.996380e-05	2.080830e-02
sbsubbsn_22	8.016030e-05	-4.356030e-04	8.169870e-05		-2.703530e-04	-1.494620e-05	2.890550e-03
sbsubbsn_23	2.948720e-06	-1.927560e-05	6.442310e-06		-1.139100e-05	2.214740e-06	2.652560e-04
sbsubbsn_24	1.560900e-05	-3.979170e-05	1.849360e-05		-3.872760e-05	-3.475000e-06	-2.289390e-03
sbsubbsn_25	4.192310e-05	-1.141700e-04	4.403850e-05		-1.009170e-04	-6.476920e-06	-1.905990e-03
sbsubbsn_26	0.000000e+00	-9.743590e-07	0.000000e+00		-5.480770e-07	1.185900e-07	6.987180e-06
sbsubbsn_27	1.487180e-05	-8.101920e-05	2.631410e-05		-7.039100e-05	-2.578530e-06	4.808010e-04
sbsubbsn_28	4.262820e-06	-4.237180e-06	5.320510e-06		-1.316990e-05	-1.519230e-06	-2.453970e-03

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sbsubbsn_29	1.282050e-07	-1.282050e-08	0.000000e+00		-1.955130e-07	7.371800e-07		3.205130e-08
sbsubbsn_30	0.000000e+00	-4.439100e-06	9.615380e-08		-1.980770e-06	9.166670e-08		1.686220e-04
sbsubbsn_31	5.096150e-06	-3.043910e-05	5.897440e-06		-2.394870e-05	-1.407690e-06		3.021800e-04
sbsubbsn_32	4.750320e-04	-3.683470e-03	6.920510e-04		-2.698420e-03	-6.870390e-05		1.207980e-01
sbsubbsn_33	3.869230e-04	-1.678370e-03	4.908980e-04		-1.275210e-03	-2.897370e-05		3.928400e-02
sbsubbsn_34	9.025320e-04	-5.204230e-03	1.240830e-03		-4.314120e-03	-9.090870e-05		2.014130e-01
sbsubbsn_35	7.137820e-05	-2.149200e-04	7.330130e-05		-1.723400e-04	-1.894210e-07		5.133400e-03
sbsubbsn_36	4.016030e-05	-8.796150e-05	2.448720e-05		-7.389100e-05	-9.358960e-08		1.056860e-03
sbsubbsn_37	2.512820e-05	-6.295190e-05	2.323720e-05		-5.662180e-05	6.180770e-06		9.141350e-04
sbsubbsn_38	1.064260e-03	-2.827880e-03	1.239130e-03		-2.357040e-03	-1.088560e-04		8.173880e-02
sbsubbsn_39	8.868590e-05	-2.348400e-04	9.330130e-05		-1.874010e-04	-7.693910e-06		2.566600e-03
sbsubbsn_40	2.855770e-05	-7.656090e-05	1.990380e-05		-5.883650e-05	5.102880e-06		3.284940e-04
sbsubbsn_41	9.519230e-06	-1.343590e-05	7.019230e-06		-1.264100e-05	4.573720e-07		1.527240e-04
sbsubbsn_42	8.269230e-06	-1.147440e-05	9.743590e-06		-1.510580e-05	4.410260e-07		-5.211540e-05
sbsubbsn_43	6.666670e-06	-1.593590e-05	7.147440e-06		-1.209290e-05	-2.754490e-06		1.841350e-04
sbsubbsn_44	1.602560e-07	-6.410280e-08	2.243590e-07		-7.019230e-07	1.866670e-06		2.891030e-05
sbsubbsn_45	9.935900e-07	-7.673080e-06	2.115380e-06		-5.435900e-06	-3.525600e-08		1.094550e-04
sbsubbsn_46	5.320510e-06	-4.287500e-05	4.967950e-06		-2.905770e-05	4.850960e-06		2.047760e-04
sbsubbsn_47	1.634620e-05	-2.076190e-04	2.480770e-05		-1.456730e-04	-4.358010e-06		1.046490e-02
sbsubbsn_r	8.721890e-03	-3.264740e-02	1.127720e-02		-2.604260e-02	-9.827230e-04		9.892490e-01
sol_alb_1_01	-8.900640e-05	-9.596160e-06	-7.048080e-05		5.429490e-06	6.155140e-06		3.545830e-04
sol_alb_1_02	-1.315060e-04	-5.365390e-06	-1.222760e-04		1.185900e-05	3.149360e-06		9.374680e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.alb_1.03	-4.975320e-04	-9.499990e-06	-4.998080e-04		6.675960e-05	-3.069740e-05		3.605190e-03
sol.alb_1.04	-2.038460e-05	-1.028850e-06	-1.929490e-05		1.384620e-06	-1.926380e-05		1.268590e-04
sol.alb_1.05	-3.442310e-04	9.358980e-06	-3.580450e-04		3.513460e-05	-2.095830e-05		-2.371470e-04
sol.alb_1.06	-4.318910e-04	4.487180e-06	-5.709290e-04		4.198400e-05	-1.883300e-05		4.994550e-04
sol.alb_1.07	-4.549680e-04	-3.478850e-05	-5.973400e-04		6.275640e-05	2.098110e-05		9.825550e-03
sol.alb_1.08	-2.471150e-05	1.794880e-07	-1.211540e-05		2.467950e-06	-1.872120e-06		-9.666670e-05
sol.alb_1.09	-4.000000e-05	-1.586540e-06	-1.942310e-05		4.317310e-06	-4.618270e-06		-6.730660e-07
sol.alb_1.10	-1.208330e-05	3.141020e-07	-5.480770e-06		-1.250000e-07	3.785260e-07		-2.730770e-05
sol.alb_1.11	-9.676280e-05	7.243590e-06	-1.143270e-04		6.169870e-06	5.052560e-05		-6.493590e-05
sol.alb_1.12	-2.571790e-04	8.608970e-06	-2.659290e-04		3.423400e-05	1.276280e-05		1.739750e-04
sol.alb_1.13	-1.911860e-04	1.403530e-05	-1.934620e-04		1.924040e-05	-2.669900e-05		5.064110e-05
sol.alb_1.14	-1.004810e-04	-7.865380e-06	-5.054490e-05		7.179480e-07	-4.572400e-05		7.914420e-04
sol.alb_1.15	-1.589740e-05	-4.166660e-07	-2.115380e-06		9.391030e-07	-7.781730e-06		3.525640e-05
sol.alb_1.16	-4.576920e-05	-1.291670e-06	-2.022440e-05		2.439100e-06	1.339360e-05		9.403850e-05
sol.alb_1.17	-2.133970e-04	-1.469550e-05	-2.019870e-04		2.375000e-05	2.183810e-05		1.250670e-03
sol.alb_1.18	-1.789170e-03	-2.085260e-05	-1.489550e-03		1.383970e-04	1.343450e-04		2.141070e-02
sol.alb_1.19	-5.783010e-04	-2.672440e-05	-6.918590e-04		4.448720e-05	1.050450e-04		2.154740e-03
sol.alb_1.20	-1.436510e-03	2.559620e-05	-1.324680e-03		3.336510e-04	-4.963430e-05		-7.939200e-05
sol.alb_1.21	-6.656410e-04	-2.409290e-05	-8.671150e-04		9.270190e-05	2.158910e-05		1.069650e-02
sol.alb_1.22	-1.162470e-03	6.479490e-05	-1.440510e-03		2.702820e-04	8.158690e-05		-1.226350e-03
sol.alb_1.23	-2.094870e-04	-1.177560e-05	-1.541670e-04		6.637820e-06	-1.609940e-05		3.521480e-03
sol.alb_1.24	-3.845830e-04	-3.585260e-05	-3.375960e-04		2.691990e-05	2.514710e-05		5.012020e-03

Continued on next page

control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.alb_1.25	-3.291990e-04	-3.077880e-05	-1.851280e-04		1.693910e-05	-6.297240e-05		4.542370e-03
sol.alb_1.26	-2.756410e-06	-3.525640e-08	-2.820510e-06		1.025640e-07	2.415060e-06		-1.153850e-06
sol.alb_1.27	-2.090380e-04	5.471150e-06	-1.757690e-04		1.632370e-05	1.280450e-06		-3.104170e-04
sol.alb_1.28	-8.990380e-05	-7.528840e-06	-7.189100e-05		-6.153850e-07	2.743270e-06		-3.660270e-05
sol.alb_1.29	1.282050e-07	0.000000e+00	9.935900e-07		3.205130e-09	-1.641670e-06		0.000000e+00
sol.alb_1.30	6.089740e-07	2.243590e-08	-6.410270e-08		4.166670e-08	4.711540e-07		-3.205130e-08
sol.alb_1.31	1.602560e-07	3.076920e-07	-3.365380e-06		4.423080e-07	-6.355770e-07		-3.525640e-07
sol.alb_1.32	-9.350960e-04	2.256400e-06	-1.137790e-03		1.548460e-04	4.026060e-05		9.881350e-03
sol.alb_1.33	-5.577240e-04	-2.400640e-06	-7.514100e-04		1.504550e-04	9.661280e-05		1.536280e-03
sol.alb_1.34	-6.903210e-04	5.672760e-05	-7.581410e-04		8.687820e-05	9.525330e-06		1.533330e-04
sol.alb_1.35	-1.748080e-04	-4.961540e-06	-1.976920e-04		1.205130e-06	7.310830e-05		2.683010e-04
sol.alb_1.36	-7.435900e-05	-1.102240e-05	-8.096150e-05		-2.134620e-06	3.503940e-05		-1.372120e-04
sol.alb_1.37	-2.592950e-05	-9.615350e-08	-2.435900e-05		5.993590e-07	1.015000e-05		-3.224360e-05
sol.alb_1.38	-1.080380e-03	-1.620990e-04	-8.845190e-04		1.068430e-04	1.129490e-04		1.528490e-02
sol.alb_1.39	-3.181730e-04	-2.630130e-05	-2.275960e-04		1.467630e-05	-3.261030e-05		1.008170e-03
sol.alb_1.40	-1.247120e-04	-9.689100e-06	-8.576920e-05		6.586540e-06	3.839710e-05		-5.324360e-04
sol.alb_1.41	-3.512820e-05	5.596150e-06	-3.044870e-06		2.730770e-06	-3.863940e-05		-3.980450e-04
sol.alb_1.42	-1.012500e-04	-6.608980e-06	-7.503210e-05		5.448710e-07	2.726470e-05		-3.072120e-04
sol.alb_1.43	-1.354490e-04	-2.425000e-05	-1.245830e-04		-9.814100e-06	3.959710e-05		-1.877240e-04
sol.alb_1.44	-2.131410e-05	4.173080e-06	-2.461540e-05		3.266030e-06	-1.348080e-06		-2.878200e-04
sol.alb_1.45	-5.237180e-05	-3.153840e-06	-4.009620e-05		-3.349360e-06	7.948080e-06		-4.145510e-04
sol.alb_1.46	-1.955130e-06	2.330130e-06	-1.724360e-05		1.384620e-06	8.227530e-07		-1.459940e-04

Continued on next page

control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat ET-precip ratio	ET-discharge-precip ratio	post-treat ET diff	NSE
sol_alb_1_47	-6.881410e-05	1.141030e-06	-8.762820e-05	1.810900e-06	2.911250e-05	1.047760e-04
sol_alb_1_r	-5.508820e-03	1.125020e-05	-5.528230e-03	6.466410e-04	9.960150e-05	3.379130e-02
sol_alb_2_01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_04	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_05	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_06	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_07	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_08	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_09	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_10	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_11	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_13	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_14	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_15	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_18	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_20	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat ET-precip ratio	ET-discharge-precip ratio	post-treat ET diff	NSE
sol_alb_2_21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_22	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_25	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_26	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_27	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_28	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_29	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_31	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_32	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_33	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_34	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_37	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_38	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_39	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_40	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_41	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_42	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat ET-precip ratio	ET-discharge-precip ratio	post-treat ET diff	NSE
sol_alb_2_43	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_44	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_45	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_46	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_47	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_2_r	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_01	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_02	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_03	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_04	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_05	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_06	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_07	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_08	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_09	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_10	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_11	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_12	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_13	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_14	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_15	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_16	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol_alb_3_39	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_40	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_41	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_42	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_43	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_44	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_45	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_46	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_47	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_alb_3_r	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
sol_awc_1_01	1.090710e-04	8.116670e-05	7.448720e-05		4.729490e-05	6.528840e-06		-6.358650e-04
sol_awc_1_02	6.663140e-04	-9.881600e-04	7.497120e-04		-8.381830e-04	3.141670e-05		9.965960e-03
sol_awc_1_03	3.776730e-03	-3.598050e-03	3.861570e-03		-3.244120e-03	-3.968910e-05		3.199570e-02
sol_awc_1_04	5.878210e-05	5.580130e-06	5.596150e-05		4.564100e-06	1.228850e-05		-7.525640e-05
sol_awc_1_05	5.536540e-04	-4.734360e-04	7.110900e-04		-3.607920e-04	-5.481310e-05		3.936610e-02
sol_awc_1_06	1.480740e-03	6.252560e-05	1.394680e-03		-1.318240e-04	4.502880e-05		-4.971700e-03
sol_awc_1_07	1.208490e-03	-1.681150e-04	1.242050e-03		-5.310990e-04	-5.790510e-05		-1.548260e-02
sol_awc_1_08	3.368590e-05	3.522440e-06	4.153850e-05		2.519230e-06	-6.057690e-06		1.037820e-04
sol_awc_1_09	1.301280e-05	-2.704490e-05	6.650640e-05		-1.491990e-05	-4.653530e-05		9.450640e-04
sol_awc_1_10	1.131410e-05	-6.378210e-07	1.080130e-05		2.147440e-07	4.163460e-06		1.553530e-04
sol_awc_1_11	4.841990e-04	-5.658650e-05	4.850000e-04		-6.688780e-05	4.637980e-05		-1.408650e-04
sol_awc_1_12	1.465220e-03	-1.625340e-03	1.824010e-03		-1.481660e-03	-4.068200e-05		4.280120e-02

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol_awc_1_13	3.048080e-04	4.402570e-04	4.063780e-04		3.684140e-04	-2.300640e-05		-2.045150e-02
sol_awc_1_14	2.044550e-04	1.076930e-06	1.595510e-04		-1.390700e-05	-1.419870e-06		-5.678430e-03
sol_awc_1_15	4.125000e-05	-4.221150e-06	4.429490e-05		-7.657050e-06	-1.046150e-05		-5.317310e-05
sol_awc_1_16	7.067310e-05	2.432690e-05	4.381410e-05		2.466990e-05	-6.432700e-06		-9.916340e-04
sol_awc_1_17	3.816670e-04	6.432370e-05	3.975320e-04		-4.080140e-06	3.095830e-05		5.201850e-05
sol_awc_1_18	2.886410e-03	-6.932160e-04	1.749550e-03		-1.499790e-03	5.271700e-04		3.592400e-02
sol_awc_1_19	5.256730e-04	-3.401950e-04	5.270830e-04		-3.269740e-04	-2.591670e-05		7.646410e-03
sol_awc_1_20	2.247250e-03	9.365280e-03	6.924050e-04		6.704170e-03	1.089650e-03		-5.641150e-02
sol_awc_1_21	1.614420e-03	6.951930e-05	1.869130e-03		-3.035190e-04	-1.718460e-04		-4.487450e-03
sol_awc_1_22	-6.523390e-04	8.953910e-03	-1.525830e-03		7.190570e-03	7.281650e-04		9.474510e-02
sol_awc_1_23	8.207050e-04	3.097440e-05	6.651920e-04		3.390060e-05	-5.487820e-05		7.365710e-04
sol_awc_1_24	1.173460e-03	6.359930e-05	1.213720e-03		-2.794860e-06	-9.430450e-05		-6.221820e-03
sol_awc_1_25	8.497760e-04	-8.864100e-05	7.342310e-04		-2.158010e-05	1.493270e-05		1.417630e-03
sol_awc_1_26	1.048080e-05	6.538460e-07	1.762820e-06		1.025640e-07	6.535260e-06		-2.875000e-05
sol_awc_1_27	5.861220e-04	4.078520e-05	5.305770e-04		2.891990e-05	4.668270e-05		-4.847440e-04
sol_awc_1_28	2.440710e-04	7.092950e-06	2.630450e-04		-8.778840e-06	-6.029490e-05		-4.613400e-03
sol_awc_1_29	6.442310e-06	-6.538460e-07	6.089740e-06		-8.301280e-07	1.608980e-07		4.679490e-06
sol_awc_1_30	2.157050e-05	-8.605770e-06	1.701920e-05		-9.451920e-06	1.500580e-05		-9.038460e-06
sol_awc_1_31	3.836540e-05	1.329810e-05	3.317310e-05		6.596150e-06	-1.155100e-05		-1.460260e-04
sol_awc_1_32	5.741960e-03	-5.258320e-03	6.579940e-03		-4.617660e-03	-8.927890e-05		-5.340510e-02
sol_awc_1_33	1.107850e-03	6.977210e-03	1.015290e-03		5.431560e-03	-1.764780e-04		-1.054240e-01
sol_awc_1_34	6.887400e-03	-6.555400e-03	8.586730e-03		-6.356660e-03	-4.239390e-04		1.085130e-01

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.awc_1_35	3.905450e-04	2.292470e-04	3.753850e-04		7.746470e-05	-6.771160e-05		-1.181740e-02
sol.awc_1_36	2.653850e-04	1.057180e-04	2.712180e-04		5.992310e-05	-2.962820e-05		-1.834620e-04
sol.awc_1_37	1.179490e-05	1.122760e-05	2.602560e-05		1.794870e-07	-1.426600e-05		3.016020e-05
sol.awc_1_38	1.485480e-03	1.161670e-03	1.441700e-03		6.299650e-04	-3.461860e-05		-3.030040e-02
sol.awc_1_39	3.183010e-04	-2.671310e-04	3.765710e-04		-2.331860e-04	3.660260e-05		7.985450e-03
sol.awc_1_40	2.268910e-04	-3.696470e-05	2.527560e-04		-5.467630e-05	2.321150e-05		9.293910e-04
sol.awc_1_41	8.631410e-05	7.592950e-06	9.846150e-05		5.458330e-06	2.936860e-05		2.477560e-04
sol.awc_1_42	3.268590e-04	-8.725960e-05	2.996150e-04		-6.451920e-06	-3.832370e-05		2.834580e-03
sol.awc_1_43	4.712180e-04	8.273720e-05	4.426280e-04		3.287500e-05	-2.458330e-06		1.458170e-03
sol.awc_1_44	1.733970e-05	-7.435900e-06	5.583330e-05		5.833340e-07	-8.878210e-06		4.983970e-05
sol.awc_1_45	1.152880e-04	2.598080e-05	1.703850e-04		1.432690e-05	-2.147440e-05		7.268910e-04
sol.awc_1_46	1.022760e-04	-1.069040e-04	1.273720e-04		-1.045480e-04	-9.924040e-06		-4.294360e-03
sol.awc_1_47	3.125960e-04	-5.586860e-05	4.257690e-04		-9.709610e-05	-6.473040e-05		-9.139460e-03
sol.awc_1_r	1.986160e-02	4.592420e-03	1.943850e-02		2.199560e-03	3.894960e-04		-2.950660e-01
sol.awc_2_01	6.073720e-05	1.045830e-05	5.294870e-05		4.804490e-06	2.535260e-06		-6.085660e-04
sol.awc_2_02	3.368590e-05	1.331730e-04	5.512820e-05		1.274520e-04	-1.600960e-05		1.329150e-02
sol.awc_2_03	-2.419870e-04	1.004270e-03	-1.932050e-04		7.077720e-04	-9.160250e-06		1.213330e-02
sol.awc_2_04	3.064100e-05	5.653850e-06	1.833330e-05		3.179490e-06	-4.105770e-06		2.420190e-05
sol.awc_2_05	1.533370e-03	4.086600e-04	1.445260e-03		3.290480e-04	-1.107280e-05		-9.368560e-03
sol.awc_2_06	1.646960e-03	1.075000e-04	1.572790e-03		1.567050e-04	1.657210e-05		-7.299650e-03
sol.awc_2_07	2.266920e-03	3.890260e-04	2.103850e-03		3.192470e-04	1.265720e-06		-2.732960e-02
sol.awc_2_08	6.698720e-06	1.769230e-06	9.166670e-06		1.894230e-06	-2.701920e-06		3.130840e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
sol.awc_2_09	2.294870e-05	-2.115380e-06	3.076920e-05		-1.868590e-06	-1.775640e-06	1.138710e-04
sol.awc_2_10	7.660260e-06	1.288460e-06	6.474360e-06		6.217940e-07	1.435900e-06	-1.897050e-05
sol.awc_2_11	3.143590e-04	-3.120510e-05	3.077880e-04		-3.072110e-05	-2.288910e-05	-1.506630e-03
sol.awc_2_12	7.164420e-04	5.036410e-04	7.807370e-04		3.239870e-04	-4.369460e-05	-3.148460e-02
sol.awc_2_13	4.210580e-04	9.138010e-04	4.971800e-04		6.487280e-04	1.362630e-05	-5.410300e-03
sol.awc_2_14	1.286860e-04	-5.428200e-05	1.299040e-04		-2.117310e-05	3.647440e-06	4.207290e-03
sol.awc_2_15	1.730770e-05	1.381410e-06	1.708330e-05		6.570510e-07	-1.977560e-06	-1.366250e-04
sol.awc_2_16	4.858970e-05	-4.487820e-05	4.717950e-05		-2.238140e-05	-6.121790e-06	4.753840e-03
sol.awc_2_17	-1.134940e-04	7.341350e-05	-7.035260e-05		5.857370e-05	1.270710e-05	5.582110e-03
sol.awc_2_18	5.956410e-04	-4.550270e-05	5.512500e-04		1.852590e-05	-1.030030e-04	4.372170e-02
sol.awc_2_19	-5.269230e-05	4.799100e-04	-3.083330e-05		2.994170e-04	1.663140e-05	4.045890e-03
sol.awc_2_20	6.938400e-03	3.053270e-04	5.909260e-03		6.090190e-04	1.492700e-04	-3.392670e-03
sol.awc_2_21	2.804100e-03	7.614460e-04	2.644780e-03		5.354170e-04	-6.609000e-05	-9.692460e-02
sol.awc_2_22	4.632850e-03	2.434680e-04	4.734010e-03		3.864070e-04	-1.601340e-04	-3.602750e-02
sol.awc_2_23	2.248080e-04	4.304170e-05	2.250960e-04		4.004490e-05	-2.021480e-05	4.723330e-04
sol.awc_2_24	4.070510e-04	-1.153810e-04	3.872760e-04		-4.425000e-05	-2.443590e-05	1.215520e-03
sol.awc_2_25	3.524680e-04	1.611220e-05	3.350960e-04		3.015710e-05	-6.466670e-05	3.546440e-03
sol.awc_2_26	1.057690e-06	-1.137820e-06	4.006410e-06		2.628210e-07	-3.073720e-06	-4.387820e-06
sol.awc_2_27	1.798080e-04	-6.493600e-06	2.050000e-04		-1.176280e-06	-1.791670e-05	4.767280e-04
sol.awc_2_28	1.212500e-04	2.566030e-05	1.139740e-04		3.683650e-05	-9.442310e-06	5.819930e-04
sol.awc_2_29	4.807690e-06	-8.814100e-07	1.923080e-06		-7.467950e-07	-3.716350e-06	1.666670e-06
sol.awc_2_30	5.929490e-06	-3.355770e-06	3.173080e-06		2.564100e-08	-1.460260e-06	7.966990e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
sol.awc_2_31	4.711540e-06	-1.222120e-05	-7.115380e-06		-1.983980e-06	-8.441030e-06	5.497980e-04
sol.awc_2_32	3.765030e-03	-9.597400e-05	4.604900e-03		-1.308780e-04	-1.066150e-04	-7.721420e-02
sol.awc_2_33	2.101830e-03	1.156070e-03	2.622600e-03		6.858880e-04	-4.846890e-05	-5.152950e-02
sol.awc_2_34	3.566630e-03	-4.434670e-03	3.944740e-03		-2.757640e-03	-3.518240e-05	1.362980e-01
sol.awc_2_35	2.935580e-04	-8.766670e-05	2.704810e-04		-7.068270e-05	-3.706090e-05	-1.492360e-03
sol.awc_2_36	1.347760e-04	4.016030e-06	1.345510e-04		-1.186220e-05	-1.614100e-05	-1.323690e-03
sol.awc_2_37	4.323720e-05	-3.526090e-08	4.557690e-05		2.467930e-07	-2.208010e-05	-1.169520e-04
sol.awc_2_38	3.549040e-04	1.295850e-03	4.239420e-04		8.152560e-04	-8.969870e-05	2.077900e-03
sol.awc_2_39	-7.064100e-05	2.975900e-04	-1.006410e-05		2.221760e-04	-9.712180e-06	1.993570e-03
sol.awc_2_40	2.166670e-05	7.319870e-05	3.891030e-05		4.435260e-05	-1.533970e-05	6.949420e-04
sol.awc_2_41	6.724360e-05	9.541670e-06	6.429490e-05		4.663460e-06	-6.647430e-06	-2.179810e-04
sol.awc_2_42	1.181410e-04	1.791670e-05	7.596160e-05		1.621150e-05	1.042630e-05	5.410600e-05
sol.awc_2_43	1.488780e-04	4.158980e-05	2.057050e-04		3.564740e-05	-3.583010e-05	3.911190e-04
sol.awc_2_44	2.695510e-05	-1.064100e-06	2.714740e-05		2.705130e-06	-4.358970e-07	6.784300e-05
sol.awc_2_45	2.711540e-05	2.788460e-06	5.317310e-05		4.756410e-06	3.076910e-07	2.257340e-04
sol.awc_2_46	2.878200e-05	9.097440e-05	5.413460e-05		5.733010e-05	-1.300800e-05	-1.220480e-03
sol.awc_2_47	3.368270e-04	-2.753180e-06	3.429490e-04		1.698800e-07	-1.830420e-05	-7.878520e-03
sol.awc_2_r	1.110580e-02	1.576450e-03	1.107560e-02		1.256590e-03	4.921620e-05	-1.472310e-01
sol.awc_3_01	3.653850e-06	-1.025640e-07	3.108970e-06		1.269230e-06	-1.958330e-07	-2.564100e-07
sol.awc_3_02	2.067950e-04	1.701600e-05	2.264740e-04		4.788460e-06	1.745190e-06	-9.287500e-04
sol.awc_3_03	8.319230e-04	8.186540e-05	8.791030e-04		1.859620e-05	-1.439250e-04	-4.972560e-03
sol.awc_3_04	3.900640e-05	3.637820e-06	3.477560e-05		3.121800e-06	-4.124680e-06	-1.764740e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
sol.awc_3.05	4.361860e-04	3.017950e-05	4.623080e-04		7.435870e-07	-5.315690e-06	-1.157980e-03
sol.awc_3.06	4.617950e-04	1.315710e-05	4.928850e-04		5.977560e-06	-3.809710e-05	-5.501380e-03
sol.awc_3.07	6.753530e-04	2.647120e-05	6.964740e-04		-3.333330e-06	-8.744220e-06	5.173720e-04
sol.awc_3.08	1.602560e-07	4.166670e-08	1.121790e-06		-9.711540e-07	3.769230e-07	0.000000e+00
sol.awc_3.09	2.307690e-06	2.980770e-07	3.205130e-06		-3.012820e-07	-2.692310e-07	9.615410e-08
sol.awc_3.10	0.000000e+00	0.000000e+00	6.730770e-07		-1.923080e-08	-2.692310e-07	0.000000e+00
sol.awc_3.11	1.749360e-04	-8.907050e-06	2.085900e-04		-8.586540e-06	-1.450010e-06	3.571950e-03
sol.awc_3.12	4.516030e-04	2.208010e-05	5.462820e-04		-1.429490e-06	-6.306540e-05	-5.429650e-03
sol.awc_3.13	3.203850e-04	4.282050e-06	3.340710e-04		-4.464740e-06	-3.319610e-05	-9.878210e-05
sol.awc_3.14	7.115390e-06	-8.012820e-08	6.634620e-06		6.602560e-07	-2.718590e-06	-3.621800e-06
sol.awc_3.15	1.826920e-06	4.166670e-08	4.166670e-07		-2.884610e-08	-2.243590e-08	0.000000e+00
sol.awc_3.16	4.102560e-06	9.487180e-07	1.987180e-06		3.525640e-08	-1.192310e-07	-7.419870e-05
sol.awc_3.17	2.986220e-04	2.055770e-05	2.799680e-04		1.216990e-05	-1.461220e-05	-8.159940e-04
sol.awc_3.18	3.102310e-03	1.068650e-04	2.657150e-03		7.436540e-05	7.207730e-05	-1.784390e-02
sol.awc_3.19	8.603210e-04	9.185260e-05	7.386220e-04		5.337820e-05	-1.686470e-05	-3.173940e-03
sol.awc_3.20	1.847370e-03	-1.579490e-05	1.716280e-03		-1.598720e-05	2.460430e-04	3.002150e-03
sol.awc_3.21	7.849680e-04	6.004810e-05	8.668910e-04		4.027560e-05	-3.685290e-05	-8.279740e-03
sol.awc_3.22	1.283300e-03	3.958330e-06	1.174390e-03		-4.566030e-05	1.169670e-04	-8.017180e-03
sol.awc_3.23	5.576920e-06	3.423080e-06	2.820510e-05		2.746790e-06	-1.472760e-06	-8.224360e-05
sol.awc_3.24	1.125000e-05	-5.705130e-07	4.262820e-05		5.602560e-06	-2.785580e-06	8.006410e-05
sol.awc_3.25	1.240380e-05	1.022440e-05	4.195510e-05		7.464740e-06	-3.102880e-06	-1.909300e-04
sol.awc_3.26	0.000000e+00	0.000000e+00	2.243590e-07		4.166670e-08	1.282040e-08	0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.awc_3.27	6.634610e-06	5.070510e-06	3.205130e-05		8.900640e-06	4.284620e-06		-3.378200e-05
sol.awc_3.28	3.974360e-06	1.291670e-06	1.435900e-05		5.551280e-06	9.464740e-07		7.759620e-05
sol.awc_3.29	2.948720e-06	-1.602560e-07	1.666670e-06		-1.282050e-07	-1.653210e-06		0.000000e+00
sol.awc_3.30	1.923080e-06	-2.243590e-07	5.448720e-06		-1.666670e-07	-4.325960e-06		0.000000e+00
sol.awc_3.31	1.163460e-05	-7.532050e-07	8.910260e-06		-8.173080e-07	-9.435910e-07		7.371800e-06
sol.awc_3.32	2.579170e-03	2.176410e-04	2.695220e-03		6.301280e-05	8.016700e-05		-5.371540e-02
sol.awc_3.33	1.356470e-03	8.695830e-05	1.648690e-03		-1.521800e-05	6.104150e-06		-2.375390e-02
sol.awc_3.34	2.309740e-03	2.002660e-04	2.655420e-03		-2.218270e-05	-9.453720e-05		-4.827260e-02
sol.awc_3.35	1.445510e-05	2.211540e-06	1.259620e-05		1.576920e-06	-5.740380e-07		-5.269230e-05
sol.awc_3.36	4.230770e-06	2.291670e-06	6.089740e-06		4.230770e-07	-3.239100e-06		-1.488140e-04
sol.awc_3.37	1.250000e-06	-1.057690e-07	1.314100e-06		4.967950e-07	1.905450e-06		1.025510e-14
sol.awc_3.38	1.129650e-03	1.872600e-04	1.066190e-03		5.797760e-05	2.331220e-05		-6.878080e-03
sol.awc_3.39	3.089740e-04	2.997760e-05	2.508330e-04		1.388140e-05	-4.964420e-06		-1.269170e-03
sol.awc_3.40	1.646790e-04	1.968270e-05	1.354170e-04		1.092950e-05	1.518970e-05		-3.711540e-04
sol.awc_3.41	3.076920e-06	1.086540e-06	7.660260e-06		-1.705130e-06	-1.987180e-06		-1.046470e-04
sol.awc_3.42	8.044870e-06	9.455130e-07	1.974360e-05		-1.173080e-06	-7.720510e-06		1.125320e-04
sol.awc_3.43	9.775640e-06	1.833330e-06	1.740380e-05		1.596150e-06	2.147480e-08		-5.868590e-05
sol.awc_3.44	2.147440e-06	1.227560e-06	3.076920e-06		-6.602560e-07	1.092630e-06		4.455130e-06
sol.awc_3.45	2.660260e-06	-5.641030e-07	8.076920e-06		-1.987180e-07	-1.153530e-06		8.762820e-05
sol.awc_3.46	3.964740e-05	3.554490e-06	3.560900e-05		1.333330e-06	1.708370e-05		-1.557690e-05
sol.awc_3.47	1.639740e-04	-1.086540e-06	2.241350e-04		6.993590e-06	-2.961560e-07		2.105220e-03
sol.awc_3.r	7.067020e-03	3.349710e-04	6.982750e-03		5.550260e-05	2.359130e-05		-6.303080e-02

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
sol.k_1.01	1.923070e-06	-7.968270e-05	6.570510e-06		-3.901920e-05	1.330110e-07	1.512820e-02
sol.k_1.02	-5.131410e-05	-2.372430e-05	-3.679490e-05		4.612180e-06	-1.589430e-06	1.480570e-02
sol.k_1.03	-5.151280e-04	8.065290e-04	-6.027240e-04		6.794970e-04	4.174940e-05	1.957640e-02
sol.k_1.04	3.814100e-06	-8.961540e-06	4.102560e-06		-1.007370e-05	-5.324040e-06	4.776310e-03
sol.k_1.05	1.079170e-04	-9.636790e-04	2.050320e-04		-7.647630e-04	-4.739680e-05	9.418360e-02
sol.k_1.06	2.008970e-04	-1.290690e-03	3.771470e-04		-1.046890e-03	-4.032530e-05	1.082120e-01
sol.k_1.07	2.838780e-04	-1.836160e-03	5.213460e-04		-1.374490e-03	-5.633430e-05	1.774320e-01
sol.k_1.08	8.557690e-06	-2.225960e-05	6.025640e-06		-1.792310e-05	-8.691670e-06	2.695960e-03
sol.k_1.09	1.282050e-05	-4.047440e-05	2.022440e-05		-4.379170e-05	-4.153850e-06	1.455810e-03
sol.k_1.10	6.185900e-06	-7.211540e-06	6.282050e-06		-1.005130e-05	-1.242630e-06	4.172080e-04
sol.k_1.11	-7.214740e-05	8.017630e-05	-6.705130e-05		6.169870e-05	-9.126600e-06	3.751820e-03
sol.k_1.12	-1.403850e-04	1.967880e-04	-1.467950e-04		2.086790e-04	1.417820e-05	2.873730e-02
sol.k_1.13	-2.440380e-04	4.191570e-04	-2.401920e-04		4.140960e-04	-1.356760e-05	-2.575310e-03
sol.k_1.14	-1.403850e-05	-4.005770e-05	-1.275640e-05		-6.262830e-06	5.623400e-06	9.295090e-03
sol.k_1.15	-2.435900e-06	2.326920e-06	-6.987180e-06		8.307690e-06	1.903840e-06	4.896510e-04
sol.k_1.16	-3.137820e-05	4.359290e-05	-4.115380e-05		3.819230e-05	7.011220e-06	6.181670e-04
sol.k_1.17	-6.185900e-05	-4.260580e-05	-6.586540e-05		1.413450e-06	2.399710e-05	2.203750e-02
sol.k_1.18	-2.282600e-03	3.473260e-03	-2.766920e-03		2.665960e-03	4.993690e-05	8.149280e-02
sol.k_1.19	-1.721470e-04	2.497760e-05	-1.788460e-04		1.026350e-04	1.483370e-05	5.681760e-02
sol.k_1.20	9.118910e-04	-5.470940e-03	2.250670e-03		-4.858740e-03	-9.633640e-04	4.783160e-01
sol.k_1.21	-1.228200e-04	-1.223610e-03	-9.060890e-05		-7.296220e-04	-4.025190e-05	1.764200e-01
sol.k_1.22	4.865710e-04	-3.320690e-03	1.381800e-03		-2.752130e-03	-6.716620e-04	3.575050e-01

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
sol.k_1.23	1.016990e-04	-3.315960e-04	1.026920e-04		-2.748490e-04	2.476280e-06	2.642990e-02
sol.k_1.24	1.694230e-04	-5.467150e-04	1.700000e-04		-4.210350e-04	-2.788040e-05	6.407850e-02
sol.k_1.25	2.282050e-05	-3.461700e-04	2.637820e-05		-2.536090e-04	-3.787950e-05	5.104370e-02
sol.k_1.26	-1.602560e-07	-3.878200e-07	9.615390e-07		-2.217950e-06	-9.663460e-07	-6.089750e-07
sol.k_1.27	5.304490e-05	-3.822050e-04	7.685900e-05		-2.643750e-04	8.673720e-06	4.949040e-02
sol.k_1.28	2.304490e-05	-1.670510e-04	4.108970e-05		-1.124650e-04	-5.434940e-06	2.398460e-02
sol.k_1.29	0.000000e+00	-2.000000e-06	-1.282050e-07		-1.384620e-06	1.762820e-07	1.498720e-04
sol.k_1.30	0.000000e+00	3.878210e-06	-1.602560e-07		-2.541670e-06	-6.217950e-07	8.418590e-05
sol.k_1.31	-7.852570e-06	4.913460e-06	-7.275640e-06		8.163460e-06	4.535260e-07	4.185770e-04
sol.k_1.32	-5.044230e-04	6.274780e-04	-5.374680e-04		4.482370e-04	-1.055800e-04	1.488230e-01
sol.k_1.33	-2.700640e-04	5.203620e-04	-3.687820e-04		5.277180e-04	1.334230e-05	7.350990e-02
sol.k_1.34	-1.178430e-03	3.013280e-03	-1.508370e-03		2.679330e-03	3.848520e-05	-1.588640e-02
sol.k_1.35	-3.701930e-05	-1.368270e-04	-3.461560e-06		-9.166660e-05	-3.005870e-05	3.072680e-02
sol.k_1.36	-1.003200e-05	-9.405450e-05	1.128210e-05		-6.511220e-05	-8.535260e-07	1.277650e-02
sol.k_1.37	-1.839740e-05	1.036860e-05	-1.942310e-05		1.056730e-05	1.183010e-06	1.172850e-03
sol.k_1.38	-1.035510e-03	1.189510e-03	-1.191090e-03		1.036830e-03	7.215060e-05	4.342270e-02
sol.k_1.39	-6.753200e-05	-4.651930e-05	-2.708330e-05		-4.490710e-05	-3.433780e-05	1.851440e-02
sol.k_1.40	-9.903850e-06	-7.920830e-05	-1.205130e-05		-4.866670e-05	6.353850e-06	1.466030e-02
sol.k_1.41	3.980770e-05	-8.558330e-05	3.525640e-05		-6.933010e-05	-3.845830e-06	8.127470e-03
sol.k_1.42	1.151600e-04	-2.133690e-04	1.136540e-04		-2.135670e-04	-2.592690e-05	1.184030e-02
sol.k_1.43	1.178210e-04	-2.473080e-04	1.234620e-04		-2.422760e-04	-8.597110e-06	1.068390e-02
sol.k_1.44	2.294870e-05	-4.589420e-05	2.541670e-05		-3.595510e-05	-1.217880e-05	3.474820e-03

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.k_1.45	4.102560e-05	-8.817310e-05	5.134620e-05		-8.024680e-05	1.167630e-06		6.092650e-03
sol.k_1.46	-1.051280e-05	9.839740e-06	-1.182690e-05		1.250000e-05	3.335260e-06		4.464870e-04
sol.k_1.47	-3.625000e-05	-5.131410e-06	-5.862180e-05		6.256410e-06	3.038110e-05		7.124710e-03
sol.k_1.r	-2.021840e-03	-4.132470e-04	-1.832660e-03		6.858650e-06	-3.766550e-04		6.767080e-01
sol.k_2.01	0.000000e+00	1.438460e-05	0.000000e+00		7.554490e-06	0.000000e+00		-3.304810e-04
sol.k_2.02	-3.237180e-06	7.101600e-05	-1.282050e-06		5.062180e-05	1.410260e-07		-4.840190e-03
sol.k_2.03	-3.384620e-05	5.812530e-04	-2.910260e-05		4.208170e-04	4.255450e-06		-2.976050e-02
sol.k_2.04	0.000000e+00	2.564100e-06	-6.410260e-08		3.480770e-06	8.653850e-08		-3.134620e-05
sol.k_2.05	0.000000e+00	1.020000e-04	-6.410260e-07		6.773080e-05	-1.695510e-06		-6.819550e-04
sol.k_2.06	0.000000e+00	2.431090e-05	0.000000e+00		1.718910e-05	0.000000e+00		-1.001280e-04
sol.k_2.07	0.000000e+00	8.023400e-05	0.000000e+00		4.871150e-05	-8.333330e-08		-2.759940e-04
sol.k_2.08	0.000000e+00	-7.628200e-07	0.000000e+00		6.410260e-08	0.000000e+00		-1.384620e-05
sol.k_2.09	0.000000e+00	2.131410e-06	0.000000e+00		6.891020e-07	9.615380e-09		-2.253200e-05
sol.k_2.10	0.000000e+00	3.493590e-07	0.000000e+00		1.314100e-07	0.000000e+00		0.000000e+00
sol.k_2.11	-1.602560e-06	4.035260e-05	-7.051280e-07		4.064740e-05	-7.371800e-07		-8.030450e-04
sol.k_2.12	-4.903850e-06	1.743140e-04	-2.692310e-06		1.507050e-04	-1.586540e-06		-7.134100e-03
sol.k_2.13	-9.615380e-06	3.359740e-04	-8.974360e-07		2.605220e-04	-6.144230e-06		-1.418220e-02
sol.k_2.14	0.000000e+00	2.982690e-05	0.000000e+00		1.861540e-05	0.000000e+00		-3.049040e-04
sol.k_2.15	0.000000e+00	3.342950e-06	0.000000e+00		3.836540e-06	0.000000e+00		-5.608980e-06
sol.k_2.16	0.000000e+00	2.822760e-05	0.000000e+00		2.423080e-05	0.000000e+00		-4.777240e-04
sol.k_2.17	-3.269230e-06	4.214740e-05	-2.243590e-06		3.822760e-05	2.525640e-06		-1.442180e-03
sol.k_2.18	-1.152880e-04	1.921670e-03	-1.097760e-04		1.133490e-03	2.728720e-05		-8.547410e-02

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.k_2.19	-7.884620e-06	2.004230e-04	-4.134620e-06		1.558460e-04	-4.560900e-06		-7.154170e-03
sol.k_2.20	-1.378210e-06	6.673720e-05	-6.730770e-07		4.050320e-05	6.410260e-09		-5.049040e-04
sol.k_2.21	-1.538460e-06	3.317080e-04	0.000000e+00		1.988620e-04	-2.458330e-06		-3.590800e-03
sol.k_2.22	0.000000e+00	1.279900e-04	-1.442310e-06		7.360900e-05	-6.794870e-07		-9.815380e-04
sol.k_2.23	0.000000e+00	-1.384610e-06	9.615380e-08		7.179490e-07	-6.410260e-08		1.461860e-04
sol.k_2.24	0.000000e+00	2.987180e-06	0.000000e+00		4.221150e-06	0.000000e+00		5.900640e-05
sol.k_2.25	0.000000e+00	3.173080e-06	0.000000e+00		5.993590e-06	0.000000e+00		2.803530e-04
sol.k_2.26	0.000000e+00	1.282050e-08	0.000000e+00		3.205130e-09	0.000000e+00		-3.205130e-08
sol.k_2.27	0.000000e+00	9.256410e-06	0.000000e+00		6.810900e-06	-8.333340e-08		4.455130e-05
sol.k_2.28	0.000000e+00	4.038460e-06	0.000000e+00		2.416670e-06	6.410260e-09		-7.948720e-06
sol.k_2.29	0.000000e+00	6.089740e-08	0.000000e+00		9.615390e-09	0.000000e+00		-3.205130e-08
sol.k_2.30	0.000000e+00	3.108970e-07	0.000000e+00		6.987180e-07	0.000000e+00		-9.615380e-08
sol.k_2.31	0.000000e+00	6.105770e-06	0.000000e+00		4.028850e-06	0.000000e+00		-1.641030e-05
sol.k_2.32	-4.903850e-06	1.066900e-03	-1.336540e-05		8.790420e-04	-5.955130e-06		-5.618110e-02
sol.k_2.33	-1.615380e-05	5.316470e-04	-1.173080e-05		4.207880e-04	-8.698720e-06		-2.164460e-02
sol.k_2.34	-3.983970e-05	1.675900e-03	-3.785260e-05		1.333530e-03	-7.918590e-06		-1.162720e-01
sol.k_2.35	1.602560e-07	6.396150e-05	0.000000e+00		3.963780e-05	6.410260e-09		-5.024040e-03
sol.k_2.36	0.000000e+00	2.042310e-05	0.000000e+00		1.191670e-05	0.000000e+00		-5.132690e-04
sol.k_2.37	0.000000e+00	1.896150e-05	6.410260e-08		7.798080e-06	-8.333330e-08		-5.637820e-04
sol.k_2.38	-6.153850e-05	6.639420e-04	-4.490380e-05		4.588300e-04	1.969130e-05		-3.178890e-02
sol.k_2.39	-9.647440e-06	5.460260e-05	-2.564100e-07		5.066990e-05	-2.448720e-06		-1.145510e-03
sol.k_2.40	-3.076920e-06	1.967950e-05	1.282050e-06		1.745510e-05	-2.586540e-06		-4.815070e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.k_2.41	0.000000e+00	-1.346150e-07	0.000000e+00		6.794870e-07	0.000000e+00		-2.669870e-05
sol.k_2.42	1.602560e-07	5.352560e-07	6.410260e-08		6.217950e-07	-1.698720e-07		4.166660e-07
sol.k_2.43	-1.282050e-07	-8.044870e-07	-7.371790e-07		3.397440e-07	8.942310e-07		-2.730770e-05
sol.k_2.44	0.000000e+00	1.794870e-07	0.000000e+00		2.596150e-07	0.000000e+00		1.666670e-06
sol.k_2.45	-1.282050e-07	1.089740e-07	0.000000e+00		2.179490e-07	0.000000e+00		-3.621790e-06
sol.k_2.46	-1.570510e-06	9.676280e-06	0.000000e+00		9.596150e-06	-8.141030e-07		-1.995510e-04
sol.k_2.47	0.000000e+00	4.761220e-05	-6.730770e-07		4.094230e-05	-1.733970e-06		-1.119650e-03
sol.k_2.r	-9.874760e-05	2.596400e-03	-9.561780e-05		1.718370e-03	1.452010e-05		-9.727110e-02
sol.k_3.01	0.000000e+00	5.971150e-06	0.000000e+00		4.355770e-06	0.000000e+00		-1.000320e-04
sol.k_3.02	-2.916670e-06	7.653850e-06	-1.410260e-06		9.118590e-06	-1.730770e-07		-1.215710e-04
sol.k_3.03	-1.602560e-06	6.577250e-05	-2.339740e-06		8.914420e-05	-1.608980e-06		-1.046310e-02
sol.k_3.04	0.000000e+00	1.189100e-06	-6.410260e-08		3.301280e-07	8.653850e-08		-6.038460e-05
sol.k_3.05	0.000000e+00	2.360960e-04	0.000000e+00		2.070610e-04	0.000000e+00		-9.794900e-03
sol.k_3.06	0.000000e+00	8.355770e-05	0.000000e+00		4.769870e-05	0.000000e+00		-8.418750e-03
sol.k_3.07	0.000000e+00	1.298750e-04	0.000000e+00		9.127570e-05	0.000000e+00		-5.171030e-03
sol.k_3.08	0.000000e+00	-5.448710e-08	0.000000e+00		9.935900e-07	0.000000e+00		-1.314100e-06
sol.k_3.09	0.000000e+00	1.528850e-06	0.000000e+00		1.580130e-06	0.000000e+00		2.669870e-05
sol.k_3.10	0.000000e+00	1.923080e-07	0.000000e+00		1.666670e-07	0.000000e+00		-7.051280e-07
sol.k_3.11	0.000000e+00	1.836860e-05	0.000000e+00		1.968270e-05	0.000000e+00		-3.595830e-04
sol.k_3.12	0.000000e+00	3.669230e-05	-7.371800e-07		3.113140e-05	2.884640e-08		-7.193910e-04
sol.k_3.13	0.000000e+00	4.758330e-05	0.000000e+00		5.169870e-05	0.000000e+00		-1.330550e-03
sol.k_3.14	0.000000e+00	2.750000e-06	0.000000e+00		4.144230e-06	0.000000e+00		-3.141020e-06

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.k_3.15	0.000000e+00	9.679490e-07	0.000000e+00		6.730770e-07	0.000000e+00		-2.884630e-07
sol.k_3.16	0.000000e+00	7.092950e-06	0.000000e+00		9.330130e-06	0.000000e+00		1.094550e-04
sol.k_3.17	-1.602560e-07	-5.128180e-07	-9.935900e-07		1.007690e-05	-1.301280e-06		4.169870e-05
sol.k_3.18	-6.666670e-06	2.938080e-04	-9.006410e-06		2.029940e-04	9.038460e-07		-2.514170e-02
sol.k_3.19	-4.679490e-06	1.841670e-05	-2.179490e-06		3.441990e-05	-1.589740e-06		-2.494010e-03
sol.k_3.20	0.000000e+00	1.379420e-04	0.000000e+00		9.580450e-05	0.000000e+00		-1.383490e-03
sol.k_3.21	0.000000e+00	4.373010e-04	0.000000e+00		3.399040e-04	0.000000e+00		-1.884310e-02
sol.k_3.22	0.000000e+00	3.272370e-04	0.000000e+00		2.173690e-04	0.000000e+00		-1.051730e-02
sol.k_3.23	0.000000e+00	7.833330e-06	0.000000e+00		6.016030e-06	0.000000e+00		-2.971150e-04
sol.k_3.24	0.000000e+00	2.235260e-05	0.000000e+00		1.622760e-05	0.000000e+00		-3.970510e-04
sol.k_3.25	0.000000e+00	6.269230e-05	0.000000e+00		4.624360e-05	0.000000e+00		-4.569870e-04
sol.k_3.26	0.000000e+00	3.108970e-07	0.000000e+00		9.449910e-15	0.000000e+00		8.012820e-07
sol.k_3.27	0.000000e+00	2.592310e-05	0.000000e+00		2.296470e-05	0.000000e+00		-4.785260e-04
sol.k_3.28	0.000000e+00	7.314100e-06	0.000000e+00		4.435900e-06	0.000000e+00		-1.075960e-04
sol.k_3.29	0.000000e+00	9.967950e-07	0.000000e+00		3.205130e-08	0.000000e+00		-9.407050e-05
sol.k_3.30	0.000000e+00	1.141030e-06	0.000000e+00		3.044870e-07	0.000000e+00		-9.355770e-05
sol.k_3.31	0.000000e+00	1.017950e-05	0.000000e+00		7.176280e-06	0.000000e+00		-3.814100e-04
sol.k_3.32	-1.634620e-06	2.354550e-04	-1.474360e-06		1.730160e-04	1.685900e-06		-1.863960e-02
sol.k_3.33	-1.730770e-06	5.358970e-05	0.000000e+00		5.519230e-05	0.000000e+00		3.380610e-03
sol.k_3.34	0.000000e+00	4.005550e-04	0.000000e+00		3.969010e-04	0.000000e+00		-2.244510e-02
sol.k_3.35	0.000000e+00	2.463140e-05	0.000000e+00		1.255450e-05	0.000000e+00		-3.051150e-03
sol.k_3.36	0.000000e+00	4.073720e-06	0.000000e+00		4.528850e-06	0.000000e+00		-2.782050e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol_k_3.37	0.000000e+00	4.618590e-06	0.000000e+00		2.282050e-06	0.000000e+00		-2.759610e-05
sol_k_3.38	-6.025640e-06	7.233010e-05	-5.128200e-06		1.089870e-04	-5.769280e-08		-4.192850e-03
sol_k_3.39	-1.602560e-06	1.138780e-05	-7.692310e-07		1.402880e-05	-8.365380e-07		-3.124710e-03
sol_k_3.40	0.000000e+00	-6.532050e-06	-8.012820e-07		4.442310e-06	1.314100e-07		2.644550e-04
sol_k_3.41	0.000000e+00	2.615380e-06	0.000000e+00		3.086540e-06	0.000000e+00		-8.108970e-05
sol_k_3.42	0.000000e+00	3.891030e-06	0.000000e+00		4.820510e-06	0.000000e+00		-6.730730e-07
sol_k_3.43	0.000000e+00	2.801280e-06	0.000000e+00		4.105770e-06	0.000000e+00		3.846180e-07
sol_k_3.44	0.000000e+00	8.878200e-07	0.000000e+00		9.198720e-07	0.000000e+00		-5.160260e-06
sol_k_3.45	0.000000e+00	1.846150e-06	0.000000e+00		1.983970e-06	0.000000e+00		-2.211540e-06
sol_k_3.46	0.000000e+00	1.637820e-06	0.000000e+00		1.173080e-06	0.000000e+00		-4.391020e-06
sol_k_3.47	0.000000e+00	2.916350e-05	0.000000e+00		2.295830e-05	0.000000e+00		-4.127210e-03
sol_k_3.r	-1.065870e-05	8.269730e-04	-1.109860e-05		6.704630e-04	4.362120e-06		-3.395420e-02
sol_thk_1.01	2.579490e-04	1.588460e-05	2.547120e-04		-5.804490e-06	-3.226350e-05		2.852560e-03
sol_thk_1.02	3.972440e-04	9.278850e-06	3.730450e-04		-4.999680e-05	-5.943280e-06		-9.205130e-03
sol_thk_1.03	1.635320e-03	-3.713490e-04	1.552050e-03		-4.776570e-04	-3.527660e-05		-3.512490e-04
sol_thk_1.04	5.977560e-05	1.653850e-06	4.974360e-05		-1.500000e-06	1.614260e-05		-1.742630e-04
sol_thk_1.05	2.625930e-03	1.980450e-04	2.556600e-03		5.768910e-05	-9.372150e-05		-1.730550e-02
sol_thk_1.06	2.727660e-03	3.232240e-04	2.767850e-03		1.538720e-04	-1.655990e-05		-5.826300e-02
sol_thk_1.07	3.693460e-03	2.015580e-04	3.758620e-03		1.194460e-04	-1.398440e-04		-1.308920e-02
sol_thk_1.08	2.993590e-05	4.423080e-06	4.070510e-05		-1.044870e-06	-3.425320e-06		3.679480e-05
sol_thk_1.09	9.131410e-05	8.685890e-07	7.480770e-05		-1.125000e-06	-1.216280e-05		1.950960e-04
sol_thk_1.10	3.657050e-05	3.157050e-06	2.971150e-05		3.685900e-07	-1.103460e-05		6.535260e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.thk_1_11	4.750640e-04	-3.803850e-05	5.011220e-04		-7.433980e-05	-5.500960e-05		-1.428780e-03
sol.thk_1_12	1.005220e-03	-1.541190e-04	1.180670e-03		-1.295480e-04	-1.028210e-04		1.238480e-02
sol.thk_1_13	7.801600e-04	-1.546670e-04	8.548720e-04		-2.340610e-04	3.115390e-06		-6.822790e-03
sol.thk_1_14	4.210260e-04	4.521800e-05	4.092630e-04		7.413460e-06	-3.014390e-05		-8.367950e-03
sol.thk_1_15	5.884620e-05	5.246790e-06	6.445510e-05		-7.243590e-07	-1.314390e-05		-6.174360e-04
sol.thk_1_16	1.449360e-04	-2.185260e-05	1.562820e-04		-2.522440e-05	7.568910e-06		-1.733970e-04
sol.thk_1_17	5.051600e-04	6.509610e-06	4.718270e-04		-3.724040e-05	-3.287830e-06		-7.975160e-03
sol.thk_1_18	4.843490e-03	-1.178580e-03	4.331890e-03		-1.270170e-03	5.497640e-04		-1.105200e-02
sol.thk_1_19	1.462210e-03	-1.362180e-05	1.380100e-03		-1.263110e-04	-2.460540e-05		-6.905870e-03
sol.thk_1_20	1.125420e-02	1.036180e-03	1.082940e-02		7.536890e-04	2.452270e-04		-8.035410e-02
sol.thk_1_21	4.580380e-03	2.945350e-04	5.113810e-03		-4.733970e-05	-1.876650e-04		-7.175360e-02
sol.thk_1_22	7.847180e-03	1.407530e-04	7.713170e-03		2.839100e-04	2.798870e-04		-5.172530e-02
sol.thk_1_23	6.723720e-04	1.038780e-04	7.041990e-04		6.575320e-05	-1.333170e-05		1.368240e-03
sol.thk_1_24	1.080640e-03	4.704810e-05	1.140000e-03		1.269220e-06	8.215700e-06		1.477570e-04
sol.thk_1_25	9.427880e-04	1.159070e-04	1.056830e-03		3.230770e-06	-7.759260e-05		2.185640e-03
sol.thk_1_26	2.852560e-06	8.429490e-07	1.089740e-05		8.461540e-07	-5.066350e-06		4.006440e-06
sol.thk_1_27	7.679170e-04	7.449680e-05	7.825640e-04		3.763780e-05	-1.465290e-05		3.246480e-04
sol.thk_1_28	3.830770e-04	2.450640e-05	3.318270e-04		2.342630e-05	4.094010e-05		2.026540e-03
sol.thk_1_29	6.794870e-06	2.307690e-07	5.641030e-06		-6.089730e-08	1.221150e-06		-2.564100e-06
sol.thk_1_30	1.923080e-05	-9.807690e-07	1.355770e-05		-4.807690e-08	6.023400e-06		4.807690e-06
sol.thk_1_31	6.137820e-05	-7.336540e-06	4.926280e-05		-7.727560e-06	6.320840e-06		8.256410e-05
sol.thk_1_32	5.927560e-03	-3.762530e-04	6.551250e-03		-6.914140e-04	8.806920e-05		-8.690520e-02

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.thk_1_33	3.169680e-03	-2.081090e-04	3.818590e-03		-4.825030e-04	-2.476010e-04		-4.209180e-02
sol.thk_1_34	5.218210e-03	-8.742630e-04	5.881280e-03		-1.466850e-03	-2.133200e-04		-7.381810e-02
sol.thk_1_35	8.428210e-04	7.578530e-05	9.205130e-04		-9.701910e-06	-8.070550e-05		-5.482370e-04
sol.thk_1_36	3.895830e-04	3.388780e-05	4.037180e-04		1.060900e-06	2.570260e-05		-1.004230e-03
sol.thk_1_37	1.200000e-04	-1.193270e-05	1.074680e-04		-8.939100e-06	4.757630e-05		3.041990e-04
sol.thk_1_38	2.070290e-03	-4.781030e-04	2.184780e-03		-5.868460e-04	-1.345500e-04		1.142400e-02
sol.thk_1_39	5.171470e-04	-1.645830e-05	5.012820e-04		-3.451920e-05	9.304810e-06		4.315710e-04
sol.thk_1_40	2.757370e-04	1.777560e-05	2.480130e-04		-6.105770e-06	-1.678810e-05		-3.798720e-04
sol.thk_1_41	1.203850e-04	1.352570e-06	1.850320e-04		-5.291670e-06	-4.677660e-05		1.955130e-04
sol.thk_1_42	4.897120e-04	-2.310910e-06	4.385900e-04		-9.647430e-06	3.909900e-05		3.632920e-03
sol.thk_1_43	5.005450e-04	4.088780e-05	5.166350e-04		1.347110e-05	4.616660e-06		2.243210e-03
sol.thk_1_44	8.185900e-05	-3.019230e-06	7.339740e-05		-2.054490e-06	-7.698730e-07		1.883330e-04
sol.thk_1_45	2.122440e-04	1.265060e-05	2.340060e-04		7.621800e-06	-3.652240e-05		6.775960e-04
sol.thk_1_46	6.448720e-05	-7.179490e-07	8.983970e-05		-8.442310e-06	-2.189360e-05		-3.835900e-04
sol.thk_1_47	4.837820e-04	3.181730e-05	5.167310e-04		-4.337180e-05	-2.044330e-05		-5.351700e-03
sol.thk_2_01	1.976920e-04	2.799680e-05	1.750640e-04		9.647440e-06	2.174070e-05		-3.247120e-04
sol.thk_2_02	3.115060e-04	2.228210e-05	2.911540e-04		1.054810e-05	-2.122210e-05		-2.232400e-03
sol.thk_2_03	1.282720e-03	-1.217500e-04	1.012080e-03		-7.786540e-05	-3.462850e-05		1.037030e-02
sol.thk_2_04	5.032050e-05	7.016030e-06	6.035260e-05		3.721150e-06	-2.245100e-05		-3.535580e-04
sol.thk_2_05	1.641150e-03	1.400160e-04	1.495740e-03		9.261220e-05	-6.026060e-05		-6.550230e-03
sol.thk_2_06	1.634900e-03	7.379490e-05	1.727150e-03		1.062370e-04	-9.415000e-05		-9.161700e-03
sol.thk_2_07	2.314520e-03	5.850320e-05	2.202530e-03		1.022400e-04	-7.609420e-05		8.292020e-03

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.thk_2_08	2.897440e-05	5.871790e-06	3.509620e-05		3.977560e-06	-3.345510e-06		2.766030e-05
sol.thk_2_09	7.282050e-05	-1.977570e-06	6.455130e-05		-6.762810e-07	1.876730e-05		4.097120e-04
sol.thk_2_10	5.544870e-06	-1.000000e-06	1.282050e-05		2.230770e-06	8.302890e-06		1.657050e-05
sol.thk_2_11	2.739100e-04	1.362500e-05	3.008010e-04		-9.057690e-06	1.520900e-05		-2.927080e-03
sol.thk_2_12	6.411860e-04	-3.167950e-05	7.256410e-04		-8.993590e-06	-1.402440e-05		-1.691670e-04
sol.thk_2_13	4.520830e-04	-3.283010e-05	5.100960e-04		-4.435900e-05	-2.619780e-05		-3.518910e-04
sol.thk_2_14	2.909620e-04	7.439420e-05	3.224360e-04		2.499360e-05	-4.924520e-05		-1.329240e-02
sol.thk_2_15	4.064100e-05	5.634610e-06	3.166670e-05		5.653850e-06	-2.733980e-06		-5.011860e-04
sol.thk_2_16	1.148080e-04	-8.352560e-06	1.025960e-04		-1.782050e-06	-6.088140e-06		1.397440e-05
sol.thk_2_17	4.591030e-04	3.836220e-05	3.991030e-04		2.010580e-05	-6.325860e-05		-4.354360e-03
sol.thk_2_18	4.545450e-03	-3.647600e-04	3.421790e-03		-2.589620e-04	1.547850e-04		-9.681950e-03
sol.thk_2_19	1.206990e-03	8.437180e-05	9.973080e-04		1.788140e-05	-1.597560e-05		-5.302340e-03
sol.thk_2_20	6.699130e-03	5.121540e-04	6.329490e-03		4.489390e-04	-1.510660e-04		-4.439110e-02
sol.thk_2_21	2.790290e-03	3.655190e-04	2.894230e-03		1.188780e-04	-2.230130e-05		-8.191530e-02
sol.thk_2_22	4.570640e-03	1.001570e-04	4.399810e-03		1.683240e-04	-5.972980e-05		-2.822280e-02
sol.thk_2_23	5.700000e-04	9.853530e-05	5.865060e-04		8.563780e-05	-1.778050e-05		7.787180e-04
sol.thk_2_24	9.082370e-04	8.634630e-06	9.132050e-04		5.939750e-05	5.966020e-06		2.248970e-03
sol.thk_2_25	8.954170e-04	1.191570e-04	9.844870e-04		4.473080e-05	-8.768750e-05		2.254650e-03
sol.thk_2_26	1.144230e-05	1.474360e-07	3.910260e-06		-2.916670e-07	4.763460e-06		-2.564100e-06
sol.thk_2_27	6.099680e-04	8.650960e-05	6.189100e-04		5.896470e-05	-4.138720e-05		-3.935900e-05
sol.thk_2_28	2.858010e-04	3.682690e-05	3.136540e-04		2.773720e-05	-2.631830e-05		-3.954490e-04
sol.thk_2_29	3.685900e-06	-4.807690e-08	3.173080e-06		-2.147440e-07	1.570520e-07		0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.thk_2_30	1.387820e-05	5.000000e-07	6.634620e-06		-3.557690e-07	8.868590e-06		-2.464740e-05
sol.thk_2_31	1.692310e-05	-1.378210e-06	1.900640e-05		-1.990380e-06	6.917950e-06		7.051280e-07
sol.thk_2_32	3.560160e-03	1.974620e-04	3.951440e-03		5.373720e-05	-6.780740e-06		-6.517820e-02
sol.thk_2_33	2.077080e-03	-4.540380e-05	2.451510e-03		-1.678590e-04	-1.116460e-04		-2.531500e-02
sol.thk_2_34	2.997600e-03	3.519230e-05	3.393270e-03		-2.963880e-04	-1.220570e-04		-6.072430e-02
sol.thk_2_35	7.660580e-04	1.538690e-04	7.111220e-04		3.246800e-05	-4.485580e-05		-8.056860e-03
sol.thk_2_36	3.556090e-04	5.100640e-05	3.610580e-04		1.650640e-05	-4.152240e-05		-1.962530e-03
sol.thk_2_37	1.049360e-04	-2.496790e-06	1.046150e-04		-4.551280e-07	-1.123010e-05		3.096510e-03
sol.thk_2_38	1.832820e-03	-2.997120e-05	1.596350e-03		-5.284940e-05	-1.533570e-04		2.648240e-03
sol.thk_2_39	5.007370e-04	3.665380e-05	4.317630e-04		1.389100e-05	-5.034330e-05		1.285030e-03
sol.thk_2_40	2.511220e-04	3.070510e-05	1.937500e-04		1.129490e-05	1.127340e-05		-6.693590e-04
sol.thk_2_41	1.248400e-04	7.019230e-06	1.452880e-04		3.259610e-06	-3.895830e-06		5.139740e-04
sol.thk_2_42	3.457370e-04	3.061860e-05	4.609290e-04		-1.554480e-06	-4.651700e-05		3.494130e-03
sol.thk_2_43	4.280770e-04	7.717310e-05	5.283970e-04		3.543590e-05	-8.565000e-05		1.533910e-03
sol.thk_2_44	6.500000e-05	3.714740e-06	6.711540e-05		2.500000e-06	-1.450420e-05		2.699680e-04
sol.thk_2_45	1.449040e-04	3.166670e-06	1.858970e-04		1.327240e-05	-4.064650e-05		1.218300e-03
sol.thk_2_46	4.826920e-05	-3.429480e-07	5.387820e-05		-1.551280e-06	1.650540e-05		-9.884620e-05
sol.thk_2_47	3.252880e-04	4.488140e-05	3.355770e-04		1.570520e-07	-2.410770e-05		-2.004810e-03
sol.thk_3_01	6.025640e-06	1.240380e-06	5.064100e-06		1.826920e-07	-1.530450e-06		-1.756410e-05
sol.thk_3_02	2.996470e-04	2.617950e-05	2.279810e-04		4.025640e-06	-3.480100e-05		-1.143850e-03
sol.thk_3_03	8.017950e-04	7.888460e-05	7.708330e-04		-4.647440e-06	-6.157280e-05		-6.449390e-03
sol.thk_3_04	4.195510e-05	5.291670e-06	4.416670e-05		6.923080e-07	-1.634810e-05		-2.365700e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.thk_3_05	5.121800e-04	5.419230e-05	4.972120e-04		3.083330e-06	-1.574420e-05		-4.577400e-03
sol.thk_3_06	4.943910e-04	1.992310e-05	5.305130e-04		1.359300e-05	-3.981150e-05		-4.122690e-03
sol.thk_3_07	7.352560e-04	1.956090e-05	7.499360e-04		-4.092950e-06	-6.447500e-05		-1.905030e-03
sol.thk_3_08	-3.205130e-08	3.076920e-07	-2.243590e-07		9.615420e-09	4.025640e-07		1.141030e-05
sol.thk_3_09	8.653850e-07	-7.948720e-07	1.346150e-06		-1.762820e-07	3.865380e-07		1.110580e-04
sol.thk_3_10	6.089740e-07	7.371790e-08	7.692310e-07		3.205180e-09	-1.548080e-07		-2.403850e-06
sol.thk_3_11	1.944870e-04	1.885260e-05	2.233010e-04		-2.051280e-07	-1.663910e-05		-3.377050e-03
sol.thk_3_12	5.287500e-04	1.137180e-05	5.298080e-04		-2.262820e-06	-4.420420e-05		-3.046090e-03
sol.thk_3_13	3.222440e-04	1.747120e-05	3.733010e-04		3.416670e-06	-4.192400e-05		5.363470e-04
sol.thk_3_14	7.083330e-06	-1.282050e-07	2.852560e-06		4.455130e-07	2.563780e-06		0.000000e+00
sol.thk_3_15	3.205130e-07	0.000000e+00	5.769230e-07		1.282050e-08	8.333330e-07		0.000000e+00
sol.thk_3_16	2.884620e-07	-3.205130e-08	1.089740e-06		2.564100e-08	1.746150e-06		0.000000e+00
sol.thk_3_17	3.200960e-04	6.463780e-05	2.820510e-04		5.535260e-06	9.559300e-06		-6.513110e-03
sol.thk_3_18	3.138110e-03	1.764290e-04	2.461150e-03		2.812500e-05	1.704190e-04		-4.236210e-02
sol.thk_3_19	9.462820e-04	1.201540e-04	8.078530e-04		2.796160e-05	-3.355710e-05		-4.708370e-03
sol.thk_3_20	2.130030e-03	4.246150e-05	2.127790e-03		1.210580e-05	6.726620e-06		-1.208140e-03
sol.thk_3_21	8.408980e-04	7.648080e-05	9.505770e-04		2.912500e-05	-9.521220e-05		-1.211620e-02
sol.thk_3_22	1.568620e-03	-7.321790e-05	1.544390e-03		1.099360e-06	-3.266660e-06		5.897620e-03
sol.thk_3_23	2.657050e-05	4.474360e-06	2.942310e-05		7.089740e-06	-4.451930e-07		1.628210e-05
sol.thk_3_24	2.054490e-05	5.288460e-06	4.983970e-05		3.467950e-06	-5.389740e-06		-3.076960e-06
sol.thk_3_25	2.349360e-05	6.650640e-06	4.535260e-05		4.583330e-06	-7.087820e-06		-1.323720e-04
sol.thk_3_26	3.205130e-07	0.000000e+00	-3.205130e-08		-6.410260e-08	5.185900e-07		0.000000e+00

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
sol.thk_3_27	2.259620e-05	1.663460e-06	3.801280e-05		5.083330e-06	-2.340380e-06		1.244550e-04
sol.thk_3_28	8.717950e-06	2.371790e-06	1.855770e-05		8.814100e-07	-4.898400e-06		-1.321150e-04
sol.thk_3_29	4.871790e-06	9.326930e-06	2.980770e-06		1.602560e-08	-2.852570e-07		-3.423080e-03
sol.thk_3_30	2.019230e-06	-2.660260e-07	4.358970e-06		2.051280e-07	-1.696150e-06		1.858970e-06
sol.thk_3_31	1.137820e-05	-3.205130e-07	9.102560e-06		-6.153850e-07	-4.124990e-07		-2.051280e-06
sol.thk_3_32	2.601410e-03	2.152500e-04	2.817150e-03		1.051730e-04	-4.015320e-05		-4.977920e-02
sol.thk_3_33	1.545350e-03	1.346250e-04	1.733080e-03		-1.627240e-05	-1.537720e-04		-3.385380e-02
sol.thk_3_34	2.150350e-03	2.336760e-04	2.385540e-03		1.033970e-05	-1.438270e-05		-4.712100e-02
sol.thk_3_35	1.301280e-05	3.865380e-06	1.657050e-05		1.375000e-06	-4.781090e-06		-1.026280e-04
sol.thk_3_36	8.878200e-06	7.147440e-07	5.673080e-06		-7.852560e-07	4.819870e-06		-5.750000e-05
sol.thk_3_37	7.051280e-07	-3.974360e-07	2.435900e-06		1.955130e-07	-9.291660e-07		2.839740e-05
sol.thk_3_38	1.094810e-03	2.729290e-04	9.350640e-04		5.282690e-05	3.565830e-05		-1.210030e-02
sol.thk_3_39	3.274360e-04	7.784300e-05	2.788780e-04		1.778210e-05	-2.010580e-06		-3.203720e-03
sol.thk_3_40	1.438460e-04	3.028210e-05	1.498720e-04		3.198720e-06	1.215380e-06		-5.941030e-04
sol.thk_3_41	7.051280e-06	-1.826920e-06	8.557690e-06		4.326920e-07	8.833330e-07		1.973400e-04
sol.thk_3_42	1.576920e-05	1.185890e-07	3.455130e-05		-1.428530e-05	-1.589710e-05		1.178850e-04
sol.thk_3_43	2.012820e-05	5.615380e-06	2.025640e-05		-2.820510e-07	1.355130e-06		-8.403850e-05
sol.thk_3_44	6.282050e-06	-2.852560e-07	4.455130e-06		8.557690e-07	-1.171470e-06		1.121790e-06
sol.thk_3_45	1.022440e-05	1.977560e-06	1.413460e-05		-4.823720e-06	-4.084300e-06		2.932690e-05
sol.thk_3_46	3.878200e-05	1.207050e-05	3.810900e-05		1.320510e-06	4.980450e-06		-3.462280e-03
sol.thk_3_47	2.161220e-04	4.804170e-05	2.248080e-04		1.346150e-06	-3.856470e-05		-7.267180e-03
surlag_01	0.000000e+00	2.179490e-06	0.000000e+00		1.676280e-06	0.000000e+00		-1.182690e-04

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
surlag_02	0.000000e+00	2.727560e-06	0.000000e+00		-8.012810e-08	0.000000e+00		-1.278850e-05
surlag_03	0.000000e+00	8.044870e-07	0.000000e+00		-1.612180e-06	7.692310e-08		-3.458330e-05
surlag_04	0.000000e+00	-3.205130e-08	0.000000e+00		1.054490e-06	0.000000e+00		0.000000e+00
surlag_05	0.000000e+00	2.262820e-06	0.000000e+00		-1.048080e-06	0.000000e+00		-1.513460e-04
surlag_06	0.000000e+00	1.349360e-06	0.000000e+00		1.027560e-05	-8.333330e-08		-8.006410e-05
surlag_07	0.000000e+00	7.371800e-06	7.051280e-07		5.253210e-06	-8.974360e-07		-5.518270e-04
surlag_08	0.000000e+00	-3.205130e-09	0.000000e+00		4.230770e-07	0.000000e+00		0.000000e+00
surlag_09	0.000000e+00	1.025640e-07	0.000000e+00		1.570510e-07	0.000000e+00		8.974360e-07
surlag_10	0.000000e+00	-2.019230e-07	0.000000e+00		-1.185900e-07	0.000000e+00		-2.756410e-06
surlag_11	0.000000e+00	2.756410e-06	0.000000e+00		4.198720e-07	0.000000e+00		-2.410260e-04
surlag_12	0.000000e+00	1.394230e-06	0.000000e+00		9.743580e-07	0.000000e+00		-2.301600e-04
surlag_13	0.000000e+00	-1.057690e-07	0.000000e+00		2.323720e-06	0.000000e+00		-1.111860e-04
surlag_14	0.000000e+00	-1.121800e-06	0.000000e+00		2.820510e-07	0.000000e+00		2.051280e-05
surlag_15	0.000000e+00	0.000000e+00	0.000000e+00		7.852560e-07	0.000000e+00		-1.794870e-05
surlag_16	0.000000e+00	0.000000e+00	0.000000e+00		9.294870e-07	0.000000e+00		0.000000e+00
surlag_17	0.000000e+00	-7.083340e-07	0.000000e+00		-5.352560e-07	0.000000e+00		-3.493590e-05
surlag_18	0.000000e+00	2.532050e-06	-9.615390e-08		1.666670e-06	8.012820e-08		-3.967950e-04
surlag_19	0.000000e+00	1.432690e-06	0.000000e+00		-5.608980e-07	0.000000e+00		-1.336220e-04
surlag_20	0.000000e+00	-2.820510e-06	-1.602560e-07		6.801280e-06	1.698720e-07		-1.630030e-03
surlag_21	0.000000e+00	-1.166670e-05	0.000000e+00		-2.291670e-06	-8.653850e-08		3.615380e-03
surlag_22	0.000000e+00	-3.794870e-06	-1.282050e-07		1.294870e-06	1.698720e-07		2.864550e-03
surlag_23	0.000000e+00	7.852560e-07	0.000000e+00		-3.397440e-07	0.000000e+00		-5.413460e-05

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET ratio	diff	NSE
surlag_24	0.000000e+00	1.032050e-06	0.000000e+00		-2.849360e-06	0.000000e+00		-2.788450e-06
surlag_25	0.000000e+00	-1.064100e-06	0.000000e+00		-6.442310e-07	6.410260e-09		-2.897440e-05
surlag_26	0.000000e+00	0.000000e+00	0.000000e+00		4.166670e-07	0.000000e+00		0.000000e+00
surlag_27	0.000000e+00	-9.551290e-07	0.000000e+00		2.134620e-06	3.365380e-07		9.198740e-06
surlag_28	0.000000e+00	-1.060900e-06	0.000000e+00		1.272440e-06	-9.615380e-09		3.221150e-05
surlag_29	0.000000e+00	0.000000e+00	0.000000e+00		-4.166670e-08	0.000000e+00		0.000000e+00
surlag_30	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00		0.000000e+00
surlag_31	0.000000e+00	0.000000e+00	0.000000e+00		-4.487180e-07	0.000000e+00		0.000000e+00
surlag_32	0.000000e+00	7.243590e-06	6.410260e-08		3.746790e-06	-8.974360e-08		-7.181730e-04
surlag_33	0.000000e+00	3.685900e-06	0.000000e+00		2.006410e-06	0.000000e+00		-1.766020e-04
surlag_34	0.000000e+00	-2.820510e-06	-4.871800e-06		3.028850e-06	6.019230e-06		7.596150e-05
surlag_35	0.000000e+00	1.987180e-06	0.000000e+00		-2.958330e-06	0.000000e+00		9.923080e-05
surlag_36	0.000000e+00	1.250000e-06	0.000000e+00		-1.266030e-06	0.000000e+00		2.375000e-05
surlag_37	0.000000e+00	1.217950e-06	0.000000e+00		1.080130e-06	0.000000e+00		-2.403850e-05
surlag_38	0.000000e+00	2.016030e-06	0.000000e+00		-2.092950e-06	-8.012820e-08		-2.055770e-04
surlag_39	0.000000e+00	3.365390e-07	0.000000e+00		1.538460e-07	7.692310e-08		-8.477560e-05
surlag_40	0.000000e+00	1.432690e-06	0.000000e+00		9.006410e-07	0.000000e+00		-1.401600e-04
surlag_41	0.000000e+00	1.080130e-06	0.000000e+00		8.141020e-07	0.000000e+00		-2.275640e-05
surlag_42	0.000000e+00	3.766030e-06	6.410260e-07		9.935870e-08	-8.301280e-07		-2.014740e-04
surlag_43	0.000000e+00	1.589740e-06	0.000000e+00		-9.038460e-07	-8.012820e-08		-5.455130e-05
surlag_44	0.000000e+00	-1.134620e-06	0.000000e+00		-1.307690e-06	0.000000e+00		1.830130e-05
surlag_45	0.000000e+00	2.016030e-06	0.000000e+00		-6.634610e-07	0.000000e+00		-6.570510e-06

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control file name	pretreat ET-precip ratio	pretreat discharge-precip ratio	post-treat precip ratio	ET-	post-treat discharge-precip ratio	post-treat ET diff	NSE
surlag_46	0.000000e+00	9.551280e-07	0.000000e+00		1.378210e-06	0.000000e+00	-2.583330e-05
surlag_47	0.000000e+00	2.483970e-06	0.000000e+00		-6.762820e-07	0.000000e+00	-5.301280e-05
surlag_v	0.000000e+00	8.794710e-06	-7.115380e-08		8.661920e-06	7.451920e-09	-1.584520e-03
topt_frzd	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
topt_frse	0.000000e+00	0.000000e+00	0.000000e+00		0.000000e+00	0.000000e+00	0.000000e+00
topt_rnge	8.586620e-05	-9.397310e-06	6.827270e-05		-1.045800e-05	-2.014250e-05	5.360310e-04
trnsrch_v	0.000000e+00	-3.743930e-02	0.000000e+00		-4.141160e-02	0.000000e+00	1.602380e-01