

Supplementary Material: Summary of SWAT input parameters.

control file name	type	lower bound	upper bound	description (with units if applicable)
alaimin_frsc	value	0.375	1.125	subbasin deciduous forest dormant min leaf area index
alaimin_frse	value	0.375	1.125	subbasin evergreen forest dormant min leaf area index
alaimin_rnge	value	0.000	1.000	subbasin rangeland dormant min leaf area index
alpha_bf_01	multiplier	0.850	1.150	hru 01 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_02	multiplier	0.850	1.150	hru 02 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_03	multiplier	0.850	1.150	hru 03 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_04	multiplier	0.850	1.150	hru 04 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_05	multiplier	0.850	1.150	hru 05 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_06	multiplier	0.850	1.150	hru 06 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_07	multiplier	0.850	1.150	hru 07 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_08	multiplier	0.850	1.150	hru 08 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_09	multiplier	0.850	1.150	hru 09 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_10	multiplier	0.850	1.150	hru 10 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_11	multiplier	0.850	1.150	hru 11 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_12	multiplier	0.850	1.150	hru 12 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_13	multiplier	0.850	1.150	hru 13 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_14	multiplier	0.850	1.150	hru 14 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_15	multiplier	0.850	1.150	hru 15 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_16	multiplier	0.850	1.150	hru 16 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_17	multiplier	0.850	1.150	hru 17 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_18	multiplier	0.850	1.150	hru 18 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_19	multiplier	0.850	1.150	hru 19 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_20	multiplier	0.850	1.150	hru 20 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_21	multiplier	0.850	1.150	hru 21 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_22	multiplier	0.850	1.150	hru 22 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_23	multiplier	0.850	1.150	hru 23 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_24	multiplier	0.850	1.150	hru 24 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_25	multiplier	0.850	1.150	hru 25 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_26	multiplier	0.850	1.150	hru 26 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_27	multiplier	0.850	1.150	hru 27 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_28	multiplier	0.850	1.150	hru 28 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_29	multiplier	0.850	1.150	hru 29 baseflow alpha factor ( $\frac{1}{\text{days}}$ )

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control file name	type	lower bound	upper bound	description (with units if applicable)
alpha_bf_30	multiplier	0.850	1.150	hru 30 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_31	multiplier	0.850	1.150	hru 31 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_32	multiplier	0.850	1.150	hru 32 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_33	multiplier	0.850	1.150	hru 33 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_34	multiplier	0.850	1.150	hru 34 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_35	multiplier	0.850	1.150	hru 35 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_36	multiplier	0.850	1.150	hru 36 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_37	multiplier	0.850	1.150	hru 37 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_38	multiplier	0.850	1.150	hru 38 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_39	multiplier	0.850	1.150	hru 39 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_40	multiplier	0.850	1.150	hru 40 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_41	multiplier	0.850	1.150	hru 41 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_42	multiplier	0.850	1.150	hru 42 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_43	multiplier	0.850	1.150	hru 43 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_44	multiplier	0.850	1.150	hru 44 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_45	multiplier	0.850	1.150	hru 45 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_46	multiplier	0.850	1.150	hru 46 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_47	multiplier	0.850	1.150	hru 47 baseflow alpha factor ( $\frac{1}{\text{days}}$ )
alpha_bf_v	value	0.100	0.500	subbasin baseflow alpha factor ( $\frac{1}{\text{days}}$ )
blai_frsl	value	2.500	7.500	subbasin deciduous forest max potential leaf area index
blai_frse	value	2.500	7.500	subbasin evergreen forest max potential leaf area index
blai_rnge	value	1.250	3.750	subbasin rangeland max potential leaf area index
canmx_01	multiplier	0.850	1.150	hru 01 max canopy storage for evergreen forest (mm)
canmx_02	multiplier	0.850	1.150	hru 02 max canopy storage for evergreen forest (mm)
canmx_03	multiplier	0.850	1.150	hru 03 max canopy storage for evergreen forest (mm)
canmx_04	multiplier	0.850	1.150	hru 04 max canopy storage for evergreen forest (mm)
canmx_05	multiplier	0.850	1.150	hru 05 max canopy storage for evergreen forest (mm)
canmx_06	multiplier	0.850	1.150	hru 06 max canopy storage for evergreen forest (mm)
canmx_07	multiplier	0.850	1.150	hru 07 max canopy storage for evergreen forest (mm)
canmx_08	multiplier	0.850	1.150	hru 08 max canopy storage for evergreen forest (mm)
canmx_09	multiplier	0.850	1.150	hru 09 max canopy storage for evergreen forest (mm)
canmx_10	multiplier	0.850	1.150	hru 10 max canopy storage for evergreen forest (mm)
canmx_11	multiplier	0.850	1.150	hru 11 max canopy storage for evergreen forest (mm)
canmx_12	multiplier	0.850	1.150	hru 12 max canopy storage for evergreen forest (mm)
canmx_13	multiplier	0.850	1.150	hru 13 max canopy storage for evergreen forest (mm)
canmx_14	multiplier	0.850	1.150	hru 14 max canopy storage for evergreen forest (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
canmx_15	multiplier	0.850	1.150	hru 15 max canopy storage for evergreen forest (mm)
canmx_16	multiplier	0.850	1.150	hru 16 max canopy storage for evergreen forest (mm)
canmx_17	multiplier	0.850	1.150	hru 17 max canopy storage for evergreen forest (mm)
canmx_18	multiplier	0.850	1.150	hru 18 max canopy storage for evergreen forest (mm)
canmx_19	multiplier	0.850	1.150	hru 19 max canopy storage for evergreen forest (mm)
canmx_20	multiplier	0.850	1.150	hru 20 max canopy storage for evergreen forest (mm)
canmx_21	multiplier	0.850	1.150	hru 21 max canopy storage for evergreen forest (mm)
canmx_22	multiplier	0.850	1.150	hru 22 max canopy storage for evergreen forest (mm)
canmx_23	multiplier	0.850	1.150	hru 23 max canopy storage for evergreen forest (mm)
canmx_24	multiplier	0.850	1.150	hru 24 max canopy storage for evergreen forest (mm)
canmx_25	multiplier	0.850	1.150	hru 25 max canopy storage for evergreen forest (mm)
canmx_26	multiplier	0.850	1.150	hru 26 max canopy storage for evergreen forest (mm)
canmx_27	multiplier	0.850	1.150	hru 27 max canopy storage for evergreen forest (mm)
canmx_28	multiplier	0.850	1.150	hru 28 max canopy storage for evergreen forest (mm)
canmx_29	multiplier	0.850	1.150	hru 29 max canopy storage for evergreen forest (mm)
canmx_30	multiplier	0.850	1.150	hru 30 max canopy storage for evergreen forest (mm)
canmx_31	multiplier	0.850	1.150	hru 31 max canopy storage for evergreen forest (mm)
canmx_32	multiplier	0.850	1.150	hru 32 max canopy storage for evergreen forest (mm)
canmx_33	multiplier	0.850	1.150	hru 33 max canopy storage for evergreen forest (mm)
canmx_34	multiplier	0.850	1.150	hru 34 max canopy storage for evergreen forest (mm)
canmx_35	multiplier	0.850	1.150	hru 35 max canopy storage for evergreen forest (mm)
canmx_36	multiplier	0.850	1.150	hru 36 max canopy storage for evergreen forest (mm)
canmx_37	multiplier	0.850	1.150	hru 37 max canopy storage for evergreen forest (mm)
canmx_38	multiplier	0.850	1.150	hru 38 max canopy storage for evergreen forest (mm)
canmx_39	multiplier	0.850	1.150	hru 39 max canopy storage for evergreen forest (mm)
canmx_40	multiplier	0.850	1.150	hru 40 max canopy storage for evergreen forest (mm)
canmx_41	multiplier	0.850	1.150	hru 41 max canopy storage for evergreen forest (mm)
canmx_42	multiplier	0.850	1.150	hru 42 max canopy storage for evergreen forest (mm)
canmx_43	multiplier	0.850	1.150	hru 43 max canopy storage for evergreen forest (mm)
canmx_44	multiplier	0.850	1.150	hru 44 max canopy storage for evergreen forest (mm)
canmx_45	multiplier	0.850	1.150	hru 45 max canopy storage for evergreen forest (mm)
canmx_46	multiplier	0.850	1.150	hru 46 max canopy storage for evergreen forest (mm)
canmx_47	multiplier	0.850	1.150	hru 47 max canopy storage for evergreen forest (mm)
canmx_v	value	1.000	25.000	subbasin max canopy storage for evergreen forest (mm)
canmxfac_07	multiplier	0.250	1.000	hru 07 decidous forest fraction of max canopy storage
canmxfac_15	multiplier	0.000	0.500	hru 15 rangeland fraction of max canopy storage
ch_k2_r	multiplier	0.750	2.000	subbasin main channel alluvium hydraulic conductivity ( $\frac{mm}{hr}$ )
ch_n2_r	multiplier	1.000	5.000	subbasin main channel Manning's 'n'
cn2_01	multiplier	0.850	1.150	hru 01 soil moisture condition II curve number
cn2_02	multiplier	0.850	1.150	hru 02 soil moisture condition II curve number
cn2_03	multiplier	0.850	1.150	hru 03 soil moisture condition II curve number

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control file name	type	lower bound	upper bound	description (with units if applicable)
cn2_04	multiplier	0.850	1.150	hru 04 soil moisture condition II curve number
cn2_05	multiplier	0.850	1.150	hru 05 soil moisture condition II curve number
cn2_06	multiplier	0.850	1.150	hru 06 soil moisture condition II curve number
cn2_07	multiplier	0.850	1.150	hru 07 soil moisture condition II curve number
cn2_08	multiplier	0.850	1.150	hru 08 soil moisture condition II curve number
cn2_09	multiplier	0.850	1.150	hru 09 soil moisture condition II curve number
cn2_10	multiplier	0.850	1.150	hru 10 soil moisture condition II curve number
cn2_11	multiplier	0.850	1.150	hru 11 soil moisture condition II curve number
cn2_12	multiplier	0.850	1.150	hru 12 soil moisture condition II curve number
cn2_13	multiplier	0.850	1.150	hru 13 soil moisture condition II curve number
cn2_14	multiplier	0.850	1.150	hru 14 soil moisture condition II curve number
cn2_15	multiplier	0.850	1.150	hru 15 soil moisture condition II curve number
cn2_16	multiplier	0.850	1.150	hru 16 soil moisture condition II curve number
cn2_17	multiplier	0.850	1.150	hru 17 soil moisture condition II curve number
cn2_18	multiplier	0.850	1.150	hru 18 soil moisture condition II curve number
cn2_19	multiplier	0.850	1.150	hru 19 soil moisture condition II curve number
cn2_20	multiplier	0.850	1.150	hru 20 soil moisture condition II curve number
cn2_21	multiplier	0.850	1.150	hru 21 soil moisture condition II curve number
cn2_22	multiplier	0.850	1.150	hru 22 soil moisture condition II curve number
cn2_23	multiplier	0.850	1.150	hru 23 soil moisture condition II curve number
cn2_24	multiplier	0.850	1.150	hru 24 soil moisture condition II curve number
cn2_25	multiplier	0.850	1.150	hru 25 soil moisture condition II curve number
cn2_26	multiplier	0.850	1.150	hru 26 soil moisture condition II curve number
cn2_27	multiplier	0.850	1.150	hru 27 soil moisture condition II curve number
cn2_28	multiplier	0.850	1.150	hru 28 soil moisture condition II curve number
cn2_29	multiplier	0.850	1.150	hru 29 soil moisture condition II curve number
cn2_30	multiplier	0.850	1.150	hru 30 soil moisture condition II curve number
cn2_31	multiplier	0.850	1.150	hru 31 soil moisture condition II curve number
cn2_32	multiplier	0.850	1.150	hru 32 soil moisture condition II curve number
cn2_33	multiplier	0.850	1.150	hru 33 soil moisture condition II curve number
cn2_34	multiplier	0.850	1.150	hru 34 soil moisture condition II curve number
cn2_35	multiplier	0.850	1.150	hru 35 soil moisture condition II curve number
cn2_36	multiplier	0.850	1.150	hru 36 soil moisture condition II curve number
cn2_37	multiplier	0.850	1.150	hru 37 soil moisture condition II curve number
cn2_38	multiplier	0.850	1.150	hru 38 soil moisture condition II curve number
cn2_39	multiplier	0.850	1.150	hru 39 soil moisture condition II curve number
cn2_40	multiplier	0.850	1.150	hru 40 soil moisture condition II curve number
cn2_41	multiplier	0.850	1.150	hru 41 soil moisture condition II curve number
cn2_42	multiplier	0.850	1.150	hru 42 soil moisture condition II curve number
cn2_43	multiplier	0.850	1.150	hru 43 soil moisture condition II curve number
cn2_44	multiplier	0.850	1.150	hru 44 soil moisture condition II curve number

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control file name	type	lower bound	upper bound	description (with units if applicable)
cn2_45	multiplier	0.850	1.150	hru 45 soil moisture condition II curve number
cn2_46	multiplier	0.850	1.150	hru 46 soil moisture condition II curve number
cn2_47	multiplier	0.850	1.150	hru 47 soil moisture condition II curve number
cn2_r	multiplier	0.500	1.500	subbasin soil moisture condition II curve number
cncoef_r	multiplier	0.500	1.500	subbasin plant ET curve number coefficient
dlai_frzd	value	0.495	1.485	subbasin deciduous forest frac growing season to start LAI decline
dlai_frse	value	0.495	1.485	subbasin evergreen forest frac growing season to start LAI decline
dlai_rnge	value	0.175	0.525	subbasin rangeland frac growing season to start LAI decline
dorm_hr_v	value	0.000	4.000	subbasin dormancy time threshold (hrs)
epco_01	multiplier	0.850	1.150	hru 01 plant uptake compensation factor
epco_02	multiplier	0.850	1.150	hru 02 plant uptake compensation factor
epco_03	multiplier	0.850	1.150	hru 03 plant uptake compensation factor
epco_04	multiplier	0.850	1.150	hru 04 plant uptake compensation factor
epco_05	multiplier	0.850	1.150	hru 05 plant uptake compensation factor
epco_06	multiplier	0.850	1.150	hru 06 plant uptake compensation factor
epco_07	multiplier	0.850	1.150	hru 07 plant uptake compensation factor
epco_08	multiplier	0.850	1.150	hru 08 plant uptake compensation factor
epco_09	multiplier	0.850	1.150	hru 09 plant uptake compensation factor
epco_10	multiplier	0.850	1.150	hru 10 plant uptake compensation factor
epco_11	multiplier	0.850	1.150	hru 11 plant uptake compensation factor
epco_12	multiplier	0.850	1.150	hru 12 plant uptake compensation factor
epco_13	multiplier	0.850	1.150	hru 13 plant uptake compensation factor
epco_14	multiplier	0.850	1.150	hru 14 plant uptake compensation factor
epco_15	multiplier	0.850	1.150	hru 15 plant uptake compensation factor
epco_16	multiplier	0.850	1.150	hru 16 plant uptake compensation factor
epco_17	multiplier	0.850	1.150	hru 17 plant uptake compensation factor
epco_18	multiplier	0.850	1.150	hru 18 plant uptake compensation factor
epco_19	multiplier	0.850	1.150	hru 19 plant uptake compensation factor
epco_20	multiplier	0.850	1.150	hru 20 plant uptake compensation factor
epco_21	multiplier	0.850	1.150	hru 21 plant uptake compensation factor
epco_22	multiplier	0.850	1.150	hru 22 plant uptake compensation factor
epco_23	multiplier	0.850	1.150	hru 23 plant uptake compensation factor
epco_24	multiplier	0.850	1.150	hru 24 plant uptake compensation factor
epco_25	multiplier	0.850	1.150	hru 25 plant uptake compensation factor
epco_26	multiplier	0.850	1.150	hru 26 plant uptake compensation factor
epco_27	multiplier	0.850	1.150	hru 27 plant uptake compensation factor
epco_28	multiplier	0.850	1.150	hru 28 plant uptake compensation factor
epco_29	multiplier	0.850	1.150	hru 29 plant uptake compensation factor
epco_30	multiplier	0.850	1.150	hru 30 plant uptake compensation factor
epco_31	multiplier	0.850	1.150	hru 31 plant uptake compensation factor
epco_32	multiplier	0.850	1.150	hru 32 plant uptake compensation factor

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control file name	type	lower bound	upper bound	description (with units if applicable)
epco_33	multiplier	0.850	1.150	hru 33 plant uptake compensation factor
epco_34	multiplier	0.850	1.150	hru 34 plant uptake compensation factor
epco_35	multiplier	0.850	1.150	hru 35 plant uptake compensation factor
epco_36	multiplier	0.850	1.150	hru 36 plant uptake compensation factor
epco_37	multiplier	0.850	1.150	hru 37 plant uptake compensation factor
epco_38	multiplier	0.850	1.150	hru 38 plant uptake compensation factor
epco_39	multiplier	0.850	1.150	hru 39 plant uptake compensation factor
epco_40	multiplier	0.850	1.150	hru 40 plant uptake compensation factor
epco_41	multiplier	0.850	1.150	hru 41 plant uptake compensation factor
epco_42	multiplier	0.850	1.150	hru 42 plant uptake compensation factor
epco_43	multiplier	0.850	1.150	hru 43 plant uptake compensation factor
epco_44	multiplier	0.850	1.150	hru 44 plant uptake compensation factor
epco_45	multiplier	0.850	1.150	hru 45 plant uptake compensation factor
epco_46	multiplier	0.850	1.150	hru 46 plant uptake compensation factor
epco_47	multiplier	0.850	1.150	hru 47 plant uptake compensation factor
epco_v	value	0.500	0.980	subbasin plant uptake compensation factor
esco_01	multiplier	0.850	1.150	hru 01 soil evaporation compensation factor
esco_02	multiplier	0.850	1.150	hru 02 soil evaporation compensation factor
esco_03	multiplier	0.850	1.150	hru 03 soil evaporation compensation factor
esco_04	multiplier	0.850	1.150	hru 04 soil evaporation compensation factor
esco_05	multiplier	0.850	1.150	hru 05 soil evaporation compensation factor
esco_06	multiplier	0.850	1.150	hru 06 soil evaporation compensation factor
esco_07	multiplier	0.850	1.150	hru 07 soil evaporation compensation factor
esco_08	multiplier	0.850	1.150	hru 08 soil evaporation compensation factor
esco_09	multiplier	0.850	1.150	hru 09 soil evaporation compensation factor
esco_10	multiplier	0.850	1.150	hru 10 soil evaporation compensation factor
esco_11	multiplier	0.850	1.150	hru 11 soil evaporation compensation factor
esco_12	multiplier	0.850	1.150	hru 12 soil evaporation compensation factor
esco_13	multiplier	0.850	1.150	hru 13 soil evaporation compensation factor
esco_14	multiplier	0.850	1.150	hru 14 soil evaporation compensation factor
esco_15	multiplier	0.850	1.150	hru 15 soil evaporation compensation factor
esco_16	multiplier	0.850	1.150	hru 16 soil evaporation compensation factor
esco_17	multiplier	0.850	1.150	hru 17 soil evaporation compensation factor
esco_18	multiplier	0.850	1.150	hru 18 soil evaporation compensation factor
esco_19	multiplier	0.850	1.150	hru 19 soil evaporation compensation factor
esco_20	multiplier	0.850	1.150	hru 20 soil evaporation compensation factor
esco_21	multiplier	0.850	1.150	hru 21 soil evaporation compensation factor
esco_22	multiplier	0.850	1.150	hru 22 soil evaporation compensation factor
esco_23	multiplier	0.850	1.150	hru 23 soil evaporation compensation factor
esco_24	multiplier	0.850	1.150	hru 24 soil evaporation compensation factor
esco_25	multiplier	0.850	1.150	hru 25 soil evaporation compensation factor

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control file name	type	lower bound	upper bound	description (with units if applicable)
esco_26	multiplier	0.850	1.150	hru 26 soil evaporation compensation factor
esco_27	multiplier	0.850	1.150	hru 27 soil evaporation compensation factor
esco_28	multiplier	0.850	1.150	hru 28 soil evaporation compensation factor
esco_29	multiplier	0.850	1.150	hru 29 soil evaporation compensation factor
esco_30	multiplier	0.850	1.150	hru 30 soil evaporation compensation factor
esco_31	multiplier	0.850	1.150	hru 31 soil evaporation compensation factor
esco_32	multiplier	0.850	1.150	hru 32 soil evaporation compensation factor
esco_33	multiplier	0.850	1.150	hru 33 soil evaporation compensation factor
esco_34	multiplier	0.850	1.150	hru 34 soil evaporation compensation factor
esco_35	multiplier	0.850	1.150	hru 35 soil evaporation compensation factor
esco_36	multiplier	0.850	1.150	hru 36 soil evaporation compensation factor
esco_37	multiplier	0.850	1.150	hru 37 soil evaporation compensation factor
esco_38	multiplier	0.850	1.150	hru 38 soil evaporation compensation factor
esco_39	multiplier	0.850	1.150	hru 39 soil evaporation compensation factor
esco_40	multiplier	0.850	1.150	hru 40 soil evaporation compensation factor
esco_41	multiplier	0.850	1.150	hru 41 soil evaporation compensation factor
esco_42	multiplier	0.850	1.150	hru 42 soil evaporation compensation factor
esco_43	multiplier	0.850	1.150	hru 43 soil evaporation compensation factor
esco_44	multiplier	0.850	1.150	hru 44 soil evaporation compensation factor
esco_45	multiplier	0.850	1.150	hru 45 soil evaporation compensation factor
esco_46	multiplier	0.850	1.150	hru 46 soil evaporation compensation factor
esco_47	multiplier	0.850	1.150	hru 47 soil evaporation compensation factor
esco_v	value	0.500	0.980	subbasin soil evaporation compensation factor
evrch_r	multiplier	0.500	1.500	subbasin reach evaporation adjustment factor
gw_delay_01	multiplier	0.850	1.150	hru 01 groundwater delay time (days)
gw_delay_02	multiplier	0.850	1.150	hru 02 groundwater delay time (days)
gw_delay_03	multiplier	0.850	1.150	hru 03 groundwater delay time (days)
gw_delay_04	multiplier	0.850	1.150	hru 04 groundwater delay time (days)
gw_delay_05	multiplier	0.850	1.150	hru 05 groundwater delay time (days)
gw_delay_06	multiplier	0.850	1.150	hru 06 groundwater delay time (days)
gw_delay_07	multiplier	0.850	1.150	hru 07 groundwater delay time (days)
gw_delay_08	multiplier	0.850	1.150	hru 08 groundwater delay time (days)
gw_delay_09	multiplier	0.850	1.150	hru 09 groundwater delay time (days)
gw_delay_10	multiplier	0.850	1.150	hru 10 groundwater delay time (days)
gw_delay_11	multiplier	0.850	1.150	hru 11 groundwater delay time (days)
gw_delay_12	multiplier	0.850	1.150	hru 12 groundwater delay time (days)
gw_delay_13	multiplier	0.850	1.150	hru 13 groundwater delay time (days)
gw_delay_14	multiplier	0.850	1.150	hru 14 groundwater delay time (days)
gw_delay_15	multiplier	0.850	1.150	hru 15 groundwater delay time (days)
gw_delay_16	multiplier	0.850	1.150	hru 16 groundwater delay time (days)
gw_delay_17	multiplier	0.850	1.150	hru 17 groundwater delay time (days)

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control file name	type	lower bound	upper bound	description (with units if applicable)
gw_delay_18	multiplier	0.850	1.150	hru 18 groundwater delay time (days)
gw_delay_19	multiplier	0.850	1.150	hru 19 groundwater delay time (days)
gw_delay_20	multiplier	0.850	1.150	hru 20 groundwater delay time (days)
gw_delay_21	multiplier	0.850	1.150	hru 21 groundwater delay time (days)
gw_delay_22	multiplier	0.850	1.150	hru 22 groundwater delay time (days)
gw_delay_23	multiplier	0.850	1.150	hru 23 groundwater delay time (days)
gw_delay_24	multiplier	0.850	1.150	hru 24 groundwater delay time (days)
gw_delay_25	multiplier	0.850	1.150	hru 25 groundwater delay time (days)
gw_delay_26	multiplier	0.850	1.150	hru 26 groundwater delay time (days)
gw_delay_27	multiplier	0.850	1.150	hru 27 groundwater delay time (days)
gw_delay_28	multiplier	0.850	1.150	hru 28 groundwater delay time (days)
gw_delay_29	multiplier	0.850	1.150	hru 29 groundwater delay time (days)
gw_delay_30	multiplier	0.850	1.150	hru 30 groundwater delay time (days)
gw_delay_31	multiplier	0.850	1.150	hru 31 groundwater delay time (days)
gw_delay_32	multiplier	0.850	1.150	hru 32 groundwater delay time (days)
gw_delay_33	multiplier	0.850	1.150	hru 33 groundwater delay time (days)
gw_delay_34	multiplier	0.850	1.150	hru 34 groundwater delay time (days)
gw_delay_35	multiplier	0.850	1.150	hru 35 groundwater delay time (days)
gw_delay_36	multiplier	0.850	1.150	hru 36 groundwater delay time (days)
gw_delay_37	multiplier	0.850	1.150	hru 37 groundwater delay time (days)
gw_delay_38	multiplier	0.850	1.150	hru 38 groundwater delay time (days)
gw_delay_39	multiplier	0.850	1.150	hru 39 groundwater delay time (days)
gw_delay_40	multiplier	0.850	1.150	hru 40 groundwater delay time (days)
gw_delay_41	multiplier	0.850	1.150	hru 41 groundwater delay time (days)
gw_delay_42	multiplier	0.850	1.150	hru 42 groundwater delay time (days)
gw_delay_43	multiplier	0.850	1.150	hru 43 groundwater delay time (days)
gw_delay_44	multiplier	0.850	1.150	hru 44 groundwater delay time (days)
gw_delay_45	multiplier	0.850	1.150	hru 45 groundwater delay time (days)
gw_delay_46	multiplier	0.850	1.150	hru 46 groundwater delay time (days)
gw_delay_47	multiplier	0.850	1.150	hru 47 groundwater delay time (days)
gw_delay_v	value	10.000	300.000	subbasin groundwater delay time (days)
gw_revap_01	multiplier	0.850	1.150	hru 01 groundwater 'revap' coefficient
gw_revap_02	multiplier	0.850	1.150	hru 02 groundwater 'revap' coefficient
gw_revap_03	multiplier	0.850	1.150	hru 03 groundwater 'revap' coefficient
gw_revap_04	multiplier	0.850	1.150	hru 04 groundwater 'revap' coefficient
gw_revap_05	multiplier	0.850	1.150	hru 05 groundwater 'revap' coefficient
gw_revap_06	multiplier	0.850	1.150	hru 06 groundwater 'revap' coefficient
gw_revap_07	multiplier	0.850	1.150	hru 07 groundwater 'revap' coefficient
gw_revap_08	multiplier	0.850	1.150	hru 08 groundwater 'revap' coefficient
gw_revap_09	multiplier	0.850	1.150	hru 09 groundwater 'revap' coefficient
gw_revap_10	multiplier	0.850	1.150	hru 10 groundwater 'revap' coefficient

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control file name	type	lower bound	upper bound	description (with units if applicable)
gw_revap_11	multiplier	0.850	1.150	hru 11 groundwater 'revap' coefficient
gw_revap_12	multiplier	0.850	1.150	hru 12 groundwater 'revap' coefficient
gw_revap_13	multiplier	0.850	1.150	hru 13 groundwater 'revap' coefficient
gw_revap_14	multiplier	0.850	1.150	hru 14 groundwater 'revap' coefficient
gw_revap_15	multiplier	0.850	1.150	hru 15 groundwater 'revap' coefficient
gw_revap_16	multiplier	0.850	1.150	hru 16 groundwater 'revap' coefficient
gw_revap_17	multiplier	0.850	1.150	hru 17 groundwater 'revap' coefficient
gw_revap_18	multiplier	0.850	1.150	hru 18 groundwater 'revap' coefficient
gw_revap_19	multiplier	0.850	1.150	hru 19 groundwater 'revap' coefficient
gw_revap_20	multiplier	0.850	1.150	hru 20 groundwater 'revap' coefficient
gw_revap_21	multiplier	0.850	1.150	hru 21 groundwater 'revap' coefficient
gw_revap_22	multiplier	0.850	1.150	hru 22 groundwater 'revap' coefficient
gw_revap_23	multiplier	0.850	1.150	hru 23 groundwater 'revap' coefficient
gw_revap_24	multiplier	0.850	1.150	hru 24 groundwater 'revap' coefficient
gw_revap_25	multiplier	0.850	1.150	hru 25 groundwater 'revap' coefficient
gw_revap_26	multiplier	0.850	1.150	hru 26 groundwater 'revap' coefficient
gw_revap_27	multiplier	0.850	1.150	hru 27 groundwater 'revap' coefficient
gw_revap_28	multiplier	0.850	1.150	hru 28 groundwater 'revap' coefficient
gw_revap_29	multiplier	0.850	1.150	hru 29 groundwater 'revap' coefficient
gw_revap_30	multiplier	0.850	1.150	hru 30 groundwater 'revap' coefficient
gw_revap_31	multiplier	0.850	1.150	hru 31 groundwater 'revap' coefficient
gw_revap_32	multiplier	0.850	1.150	hru 32 groundwater 'revap' coefficient
gw_revap_33	multiplier	0.850	1.150	hru 33 groundwater 'revap' coefficient
gw_revap_34	multiplier	0.850	1.150	hru 34 groundwater 'revap' coefficient
gw_revap_35	multiplier	0.850	1.150	hru 35 groundwater 'revap' coefficient
gw_revap_36	multiplier	0.850	1.150	hru 36 groundwater 'revap' coefficient
gw_revap_37	multiplier	0.850	1.150	hru 37 groundwater 'revap' coefficient
gw_revap_38	multiplier	0.850	1.150	hru 38 groundwater 'revap' coefficient
gw_revap_39	multiplier	0.850	1.150	hru 39 groundwater 'revap' coefficient
gw_revap_40	multiplier	0.850	1.150	hru 40 groundwater 'revap' coefficient
gw_revap_41	multiplier	0.850	1.150	hru 41 groundwater 'revap' coefficient
gw_revap_42	multiplier	0.850	1.150	hru 42 groundwater 'revap' coefficient
gw_revap_43	multiplier	0.850	1.150	hru 43 groundwater 'revap' coefficient
gw_revap_44	multiplier	0.850	1.150	hru 44 groundwater 'revap' coefficient
gw_revap_45	multiplier	0.850	1.150	hru 45 groundwater 'revap' coefficient
gw_revap_46	multiplier	0.850	1.150	hru 46 groundwater 'revap' coefficient
gw_revap_47	multiplier	0.850	1.150	hru 47 groundwater 'revap' coefficient
gw_revap_v	value	0.020	0.400	subbasin groundwater 'revap' coefficient
gwqmn_01	multiplier	0.850	1.150	hru 01 groundwater threshold return flow depth (mm)
gwqmn_02	multiplier	0.850	1.150	hru 02 groundwater threshold return flow depth (mm)
gwqmn_03	multiplier	0.850	1.150	hru 03 groundwater threshold return flow depth (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
gwqmn_04	multiplier	0.850	1.150	hru 04 groundwater threshold return flow depth (mm)
gwqmn_05	multiplier	0.850	1.150	hru 05 groundwater threshold return flow depth (mm)
gwqmn_06	multiplier	0.850	1.150	hru 06 groundwater threshold return flow depth (mm)
gwqmn_07	multiplier	0.850	1.150	hru 07 groundwater threshold return flow depth (mm)
gwqmn_08	multiplier	0.850	1.150	hru 08 groundwater threshold return flow depth (mm)
gwqmn_09	multiplier	0.850	1.150	hru 09 groundwater threshold return flow depth (mm)
gwqmn_10	multiplier	0.850	1.150	hru 10 groundwater threshold return flow depth (mm)
gwqmn_11	multiplier	0.850	1.150	hru 11 groundwater threshold return flow depth (mm)
gwqmn_12	multiplier	0.850	1.150	hru 12 groundwater threshold return flow depth (mm)
gwqmn_13	multiplier	0.850	1.150	hru 13 groundwater threshold return flow depth (mm)
gwqmn_14	multiplier	0.850	1.150	hru 14 groundwater threshold return flow depth (mm)
gwqmn_15	multiplier	0.850	1.150	hru 15 groundwater threshold return flow depth (mm)
gwqmn_16	multiplier	0.850	1.150	hru 16 groundwater threshold return flow depth (mm)
gwqmn_17	multiplier	0.850	1.150	hru 17 groundwater threshold return flow depth (mm)
gwqmn_18	multiplier	0.850	1.150	hru 18 groundwater threshold return flow depth (mm)
gwqmn_19	multiplier	0.850	1.150	hru 19 groundwater threshold return flow depth (mm)
gwqmn_20	multiplier	0.850	1.150	hru 20 groundwater threshold return flow depth (mm)
gwqmn_21	multiplier	0.850	1.150	hru 21 groundwater threshold return flow depth (mm)
gwqmn_22	multiplier	0.850	1.150	hru 22 groundwater threshold return flow depth (mm)
gwqmn_23	multiplier	0.850	1.150	hru 23 groundwater threshold return flow depth (mm)
gwqmn_24	multiplier	0.850	1.150	hru 24 groundwater threshold return flow depth (mm)
gwqmn_25	multiplier	0.850	1.150	hru 25 groundwater threshold return flow depth (mm)
gwqmn_26	multiplier	0.850	1.150	hru 26 groundwater threshold return flow depth (mm)
gwqmn_27	multiplier	0.850	1.150	hru 27 groundwater threshold return flow depth (mm)
gwqmn_28	multiplier	0.850	1.150	hru 28 groundwater threshold return flow depth (mm)
gwqmn_29	multiplier	0.850	1.150	hru 29 groundwater threshold return flow depth (mm)
gwqmn_30	multiplier	0.850	1.150	hru 30 groundwater threshold return flow depth (mm)
gwqmn_31	multiplier	0.850	1.150	hru 31 groundwater threshold return flow depth (mm)
gwqmn_32	multiplier	0.850	1.150	hru 32 groundwater threshold return flow depth (mm)
gwqmn_33	multiplier	0.850	1.150	hru 33 groundwater threshold return flow depth (mm)
gwqmn_34	multiplier	0.850	1.150	hru 34 groundwater threshold return flow depth (mm)
gwqmn_35	multiplier	0.850	1.150	hru 35 groundwater threshold return flow depth (mm)
gwqmn_36	multiplier	0.850	1.150	hru 36 groundwater threshold return flow depth (mm)
gwqmn_37	multiplier	0.850	1.150	hru 37 groundwater threshold return flow depth (mm)
gwqmn_38	multiplier	0.850	1.150	hru 38 groundwater threshold return flow depth (mm)
gwqmn_39	multiplier	0.850	1.150	hru 39 groundwater threshold return flow depth (mm)
gwqmn_40	multiplier	0.850	1.150	hru 40 groundwater threshold return flow depth (mm)
gwqmn_41	multiplier	0.850	1.150	hru 41 groundwater threshold return flow depth (mm)
gwqmn_42	multiplier	0.850	1.150	hru 42 groundwater threshold return flow depth (mm)
gwqmn_43	multiplier	0.850	1.150	hru 43 groundwater threshold return flow depth (mm)
gwqmn_44	multiplier	0.850	1.150	hru 44 groundwater threshold return flow depth (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
gwqmn_45	multiplier	0.850	1.150	hru 45 groundwater threshold return flow depth (mm)
gwqmn_46	multiplier	0.850	1.150	hru 46 groundwater threshold return flow depth (mm)
gwqmn_47	multiplier	0.850	1.150	hru 47 groundwater threshold return flow depth (mm)
gwqmn_v	value	500.000	4000.000	subbasin groundwater threshold return flow depth (mm)
hru_slp_01	multiplier	0.850	1.150	hru 01 average slope steepness (m)
hru_slp_02	multiplier	0.850	1.150	hru 02 average slope steepness (m)
hru_slp_03	multiplier	0.850	1.150	hru 03 average slope steepness (m)
hru_slp_04	multiplier	0.850	1.150	hru 04 average slope steepness (m)
hru_slp_05	multiplier	0.850	1.150	hru 05 average slope steepness (m)
hru_slp_06	multiplier	0.850	1.150	hru 06 average slope steepness (m)
hru_slp_07	multiplier	0.850	1.150	hru 07 average slope steepness (m)
hru_slp_08	multiplier	0.850	1.150	hru 08 average slope steepness (m)
hru_slp_09	multiplier	0.850	1.150	hru 09 average slope steepness (m)
hru_slp_10	multiplier	0.850	1.150	hru 10 average slope steepness (m)
hru_slp_11	multiplier	0.850	1.150	hru 11 average slope steepness (m)
hru_slp_12	multiplier	0.850	1.150	hru 12 average slope steepness (m)
hru_slp_13	multiplier	0.850	1.150	hru 13 average slope steepness (m)
hru_slp_14	multiplier	0.850	1.150	hru 14 average slope steepness (m)
hru_slp_15	multiplier	0.850	1.150	hru 15 average slope steepness (m)
hru_slp_16	multiplier	0.850	1.150	hru 16 average slope steepness (m)
hru_slp_17	multiplier	0.850	1.150	hru 17 average slope steepness (m)
hru_slp_18	multiplier	0.850	1.150	hru 18 average slope steepness (m)
hru_slp_19	multiplier	0.850	1.150	hru 19 average slope steepness (m)
hru_slp_20	multiplier	0.850	1.150	hru 20 average slope steepness (m)
hru_slp_21	multiplier	0.850	1.150	hru 21 average slope steepness (m)
hru_slp_22	multiplier	0.850	1.150	hru 22 average slope steepness (m)
hru_slp_23	multiplier	0.850	1.150	hru 23 average slope steepness (m)
hru_slp_24	multiplier	0.850	1.150	hru 24 average slope steepness (m)
hru_slp_25	multiplier	0.850	1.150	hru 25 average slope steepness (m)
hru_slp_26	multiplier	0.850	1.150	hru 26 average slope steepness (m)
hru_slp_27	multiplier	0.850	1.150	hru 27 average slope steepness (m)
hru_slp_28	multiplier	0.850	1.150	hru 28 average slope steepness (m)
hru_slp_29	multiplier	0.850	1.150	hru 29 average slope steepness (m)
hru_slp_30	multiplier	0.850	1.150	hru 30 average slope steepness (m)
hru_slp_31	multiplier	0.850	1.150	hru 31 average slope steepness (m)
hru_slp_32	multiplier	0.850	1.150	hru 32 average slope steepness (m)
hru_slp_33	multiplier	0.850	1.150	hru 33 average slope steepness (m)
hru_slp_34	multiplier	0.850	1.150	hru 34 average slope steepness (m)
hru_slp_35	multiplier	0.850	1.150	hru 35 average slope steepness (m)
hru_slp_36	multiplier	0.850	1.150	hru 36 average slope steepness (m)
hru_slp_37	multiplier	0.850	1.150	hru 37 average slope steepness (m)

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control file name	type	lower bound	upper bound	description (with units if applicable)
hru_slp_38	multiplier	0.850	1.150	hru 38 average slope steepness ( $\frac{m}{m}$ )
hru_slp_39	multiplier	0.850	1.150	hru 39 average slope steepness ( $\frac{m}{m}$ )
hru_slp_40	multiplier	0.850	1.150	hru 40 average slope steepness ( $\frac{m}{m}$ )
hru_slp_41	multiplier	0.850	1.150	hru 41 average slope steepness ( $\frac{m}{m}$ )
hru_slp_42	multiplier	0.850	1.150	hru 42 average slope steepness ( $\frac{m}{m}$ )
hru_slp_43	multiplier	0.850	1.150	hru 43 average slope steepness ( $\frac{m}{m}$ )
hru_slp_44	multiplier	0.850	1.150	hru 44 average slope steepness ( $\frac{m}{m}$ )
hru_slp_45	multiplier	0.850	1.150	hru 45 average slope steepness ( $\frac{m}{m}$ )
hru_slp_46	multiplier	0.850	1.150	hru 46 average slope steepness ( $\frac{m}{m}$ )
hru_slp_47	multiplier	0.850	1.150	hru 47 average slope steepness ( $\frac{m}{m}$ )
hru_slp_r	multiplier	0.500	1.500	subbasin average slope steepness ( $\frac{m}{m}$ )
ov_n_01	multiplier	0.850	1.150	hru 01 overland flow Manning's 'n'
ov_n_02	multiplier	0.850	1.150	hru 02 overland flow Manning's 'n'
ov_n_03	multiplier	0.850	1.150	hru 03 overland flow Manning's 'n'
ov_n_04	multiplier	0.850	1.150	hru 04 overland flow Manning's 'n'
ov_n_05	multiplier	0.850	1.150	hru 05 overland flow Manning's 'n'
ov_n_06	multiplier	0.850	1.150	hru 06 overland flow Manning's 'n'
ov_n_07	multiplier	0.850	1.150	hru 07 overland flow Manning's 'n'
ov_n_08	multiplier	0.850	1.150	hru 08 overland flow Manning's 'n'
ov_n_09	multiplier	0.850	1.150	hru 09 overland flow Manning's 'n'
ov_n_10	multiplier	0.850	1.150	hru 10 overland flow Manning's 'n'
ov_n_11	multiplier	0.850	1.150	hru 11 overland flow Manning's 'n'
ov_n_12	multiplier	0.850	1.150	hru 12 overland flow Manning's 'n'
ov_n_13	multiplier	0.850	1.150	hru 13 overland flow Manning's 'n'
ov_n_14	multiplier	0.850	1.150	hru 14 overland flow Manning's 'n'
ov_n_15	multiplier	0.850	1.150	hru 15 overland flow Manning's 'n'
ov_n_16	multiplier	0.850	1.150	hru 16 overland flow Manning's 'n'
ov_n_17	multiplier	0.850	1.150	hru 17 overland flow Manning's 'n'
ov_n_18	multiplier	0.850	1.150	hru 18 overland flow Manning's 'n'
ov_n_19	multiplier	0.850	1.150	hru 19 overland flow Manning's 'n'
ov_n_20	multiplier	0.850	1.150	hru 20 overland flow Manning's 'n'
ov_n_21	multiplier	0.850	1.150	hru 21 overland flow Manning's 'n'
ov_n_22	multiplier	0.850	1.150	hru 22 overland flow Manning's 'n'
ov_n_23	multiplier	0.850	1.150	hru 23 overland flow Manning's 'n'
ov_n_24	multiplier	0.850	1.150	hru 24 overland flow Manning's 'n'
ov_n_25	multiplier	0.850	1.150	hru 25 overland flow Manning's 'n'
ov_n_26	multiplier	0.850	1.150	hru 26 overland flow Manning's 'n'
ov_n_27	multiplier	0.850	1.150	hru 27 overland flow Manning's 'n'
ov_n_28	multiplier	0.850	1.150	hru 28 overland flow Manning's 'n'
ov_n_29	multiplier	0.850	1.150	hru 29 overland flow Manning's 'n'
ov_n_30	multiplier	0.850	1.150	hru 30 overland flow Manning's 'n'

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control file name	type	lower bound	upper bound	description (with units if applicable)
ov_n_31	multiplier	0.850	1.150	hru 31 overland flow Manning's 'n'
ov_n_32	multiplier	0.850	1.150	hru 32 overland flow Manning's 'n'
ov_n_33	multiplier	0.850	1.150	hru 33 overland flow Manning's 'n'
ov_n_34	multiplier	0.850	1.150	hru 34 overland flow Manning's 'n'
ov_n_35	multiplier	0.850	1.150	hru 35 overland flow Manning's 'n'
ov_n_36	multiplier	0.850	1.150	hru 36 overland flow Manning's 'n'
ov_n_37	multiplier	0.850	1.150	hru 37 overland flow Manning's 'n'
ov_n_38	multiplier	0.850	1.150	hru 38 overland flow Manning's 'n'
ov_n_39	multiplier	0.850	1.150	hru 39 overland flow Manning's 'n'
ov_n_40	multiplier	0.850	1.150	hru 40 overland flow Manning's 'n'
ov_n_41	multiplier	0.850	1.150	hru 41 overland flow Manning's 'n'
ov_n_42	multiplier	0.850	1.150	hru 42 overland flow Manning's 'n'
ov_n_43	multiplier	0.850	1.150	hru 43 overland flow Manning's 'n'
ov_n_44	multiplier	0.850	1.150	hru 44 overland flow Manning's 'n'
ov_n_45	multiplier	0.850	1.150	hru 45 overland flow Manning's 'n'
ov_n_46	multiplier	0.850	1.150	hru 46 overland flow Manning's 'n'
ov_n_47	multiplier	0.850	1.150	hru 47 overland flow Manning's 'n'
ov_n_r	multiplier	0.500	1.500	subbasin overland flow Manning's 'n'
pcp_0.2001	multiplier	0.800	1.200	subbasin 2001 0th to 25th quantile precip
pcp_0.2002	multiplier	0.800	1.200	subbasin 2002 0th to 25th quantile precip
pcp_0.2003	multiplier	0.800	1.200	subbasin 2003 0th to 25th quantile precip
pcp_0.2004	multiplier	0.800	1.200	subbasin 2004 0th to 25th quantile precip
pcp_0.2005	multiplier	0.800	1.200	subbasin 2005 0th to 25th quantile precip
pcp_0.2006	multiplier	0.800	1.200	subbasin 2006 0th to 25th quantile precip
pcp_0.2007	multiplier	0.800	1.200	subbasin 2007 0th to 25th quantile precip
pcp_0.2008	multiplier	0.800	1.200	subbasin 2008 0th to 25th quantile precip
pcp_0.2009	multiplier	0.800	1.200	subbasin 2009 0th to 25th quantile precip
pcp_0.2010	multiplier	0.800	1.200	subbasin 2010 0th to 25th quantile precip
pcp_1.2001	multiplier	0.800	1.200	subbasin 2001 25th to 50th quantile precip
pcp_1.2002	multiplier	0.800	1.200	subbasin 2002 25th to 50th quantile precip
pcp_1.2003	multiplier	0.800	1.200	subbasin 2003 25th to 50th quantile precip
pcp_1.2004	multiplier	0.800	1.200	subbasin 2004 25th to 50th quantile precip
pcp_1.2005	multiplier	0.800	1.200	subbasin 2005 25th to 50th quantile precip
pcp_1.2006	multiplier	0.800	1.200	subbasin 2006 25th to 50th quantile precip
pcp_1.2007	multiplier	0.800	1.200	subbasin 2007 25th to 50th quantile precip
pcp_1.2008	multiplier	0.800	1.200	subbasin 2008 25th to 50th quantile precip
pcp_1.2009	multiplier	0.800	1.200	subbasin 2009 25th to 50th quantile precip
pcp_1.2010	multiplier	0.800	1.200	subbasin 2010 25th to 50th quantile precip
pcp_2.2001	multiplier	0.800	1.200	subbasin 2001 50th to 75th quantile precip
pcp_2.2002	multiplier	0.800	1.200	subbasin 2002 50th to 75th quantile precip
pcp_2.2003	multiplier	0.800	1.200	subbasin 2003 50th to 75th quantile precip

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control file name	type	lower bound	upper bound	description (with units if applicable)
pcp_2.2004	multiplier	0.800	1.200	subbasin 2004 50th to 75th quantile precip
pcp_2.2005	multiplier	0.800	1.200	subbasin 2005 50th to 75th quantile precip
pcp_2.2006	multiplier	0.800	1.200	subbasin 2006 50th to 75th quantile precip
pcp_2.2007	multiplier	0.800	1.200	subbasin 2007 50th to 75th quantile precip
pcp_2.2008	multiplier	0.800	1.200	subbasin 2008 50th to 75th quantile precip
pcp_2.2009	multiplier	0.800	1.200	subbasin 2009 50th to 75th quantile precip
pcp_2.2010	multiplier	0.800	1.200	subbasin 2010 50th to 75th quantile precip
pcp_3.2001	multiplier	0.800	1.200	subbasin 2001 75th to 100th quantile precip
pcp_3.2002	multiplier	0.800	1.200	subbasin 2002 75th to 100th quantile precip
pcp_3.2003	multiplier	0.800	1.200	subbasin 2003 75th to 100th quantile precip
pcp_3.2004	multiplier	0.800	1.200	subbasin 2004 75th to 100th quantile precip
pcp_3.2005	multiplier	0.800	1.200	subbasin 2005 75th to 100th quantile precip
pcp_3.2006	multiplier	0.800	1.200	subbasin 2006 75th to 100th quantile precip
pcp_3.2007	multiplier	0.800	1.200	subbasin 2007 75th to 100th quantile precip
pcp_3.2008	multiplier	0.800	1.200	subbasin 2008 75th to 100th quantile precip
pcp_3.2009	multiplier	0.800	1.200	subbasin 2009 75th to 100th quantile precip
pcp_3.2010	multiplier	0.800	1.200	subbasin 2010 75th to 100th quantile precip
rchrp_dp_01	multiplier	0.850	1.150	hru 01 deep aquifer percolation factor
rchrp_dp_02	multiplier	0.850	1.150	hru 02 deep aquifer percolation factor
rchrp_dp_03	multiplier	0.850	1.150	hru 03 deep aquifer percolation factor
rchrp_dp_04	multiplier	0.850	1.150	hru 04 deep aquifer percolation factor
rchrp_dp_05	multiplier	0.850	1.150	hru 05 deep aquifer percolation factor
rchrp_dp_06	multiplier	0.850	1.150	hru 06 deep aquifer percolation factor
rchrp_dp_07	multiplier	0.850	1.150	hru 07 deep aquifer percolation factor
rchrp_dp_08	multiplier	0.850	1.150	hru 08 deep aquifer percolation factor
rchrp_dp_09	multiplier	0.850	1.150	hru 09 deep aquifer percolation factor
rchrp_dp_10	multiplier	0.850	1.150	hru 10 deep aquifer percolation factor
rchrp_dp_11	multiplier	0.850	1.150	hru 11 deep aquifer percolation factor
rchrp_dp_12	multiplier	0.850	1.150	hru 12 deep aquifer percolation factor
rchrp_dp_13	multiplier	0.850	1.150	hru 13 deep aquifer percolation factor
rchrp_dp_14	multiplier	0.850	1.150	hru 14 deep aquifer percolation factor
rchrp_dp_15	multiplier	0.850	1.150	hru 15 deep aquifer percolation factor
rchrp_dp_16	multiplier	0.850	1.150	hru 16 deep aquifer percolation factor
rchrp_dp_17	multiplier	0.850	1.150	hru 17 deep aquifer percolation factor
rchrp_dp_18	multiplier	0.850	1.150	hru 18 deep aquifer percolation factor
rchrp_dp_19	multiplier	0.850	1.150	hru 19 deep aquifer percolation factor
rchrp_dp_20	multiplier	0.850	1.150	hru 20 deep aquifer percolation factor
rchrp_dp_21	multiplier	0.850	1.150	hru 21 deep aquifer percolation factor
rchrp_dp_22	multiplier	0.850	1.150	hru 22 deep aquifer percolation factor
rchrp_dp_23	multiplier	0.850	1.150	hru 23 deep aquifer percolation factor
rchrp_dp_24	multiplier	0.850	1.150	hru 24 deep aquifer percolation factor

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control file name	type	lower bound	upper bound	description (with units if applicable)
rchrp_dp_25	multiplier	0.850	1.150	hru 25 deep aquifer percolation factor
rchrp_dp_26	multiplier	0.850	1.150	hru 26 deep aquifer percolation factor
rchrp_dp_27	multiplier	0.850	1.150	hru 27 deep aquifer percolation factor
rchrp_dp_28	multiplier	0.850	1.150	hru 28 deep aquifer percolation factor
rchrp_dp_29	multiplier	0.850	1.150	hru 29 deep aquifer percolation factor
rchrp_dp_30	multiplier	0.850	1.150	hru 30 deep aquifer percolation factor
rchrp_dp_31	multiplier	0.850	1.150	hru 31 deep aquifer percolation factor
rchrp_dp_32	multiplier	0.850	1.150	hru 32 deep aquifer percolation factor
rchrp_dp_33	multiplier	0.850	1.150	hru 33 deep aquifer percolation factor
rchrp_dp_34	multiplier	0.850	1.150	hru 34 deep aquifer percolation factor
rchrp_dp_35	multiplier	0.850	1.150	hru 35 deep aquifer percolation factor
rchrp_dp_36	multiplier	0.850	1.150	hru 36 deep aquifer percolation factor
rchrp_dp_37	multiplier	0.850	1.150	hru 37 deep aquifer percolation factor
rchrp_dp_38	multiplier	0.850	1.150	hru 38 deep aquifer percolation factor
rchrp_dp_39	multiplier	0.850	1.150	hru 39 deep aquifer percolation factor
rchrp_dp_40	multiplier	0.850	1.150	hru 40 deep aquifer percolation factor
rchrp_dp_41	multiplier	0.850	1.150	hru 41 deep aquifer percolation factor
rchrp_dp_42	multiplier	0.850	1.150	hru 42 deep aquifer percolation factor
rchrp_dp_43	multiplier	0.850	1.150	hru 43 deep aquifer percolation factor
rchrp_dp_44	multiplier	0.850	1.150	hru 44 deep aquifer percolation factor
rchrp_dp_45	multiplier	0.850	1.150	hru 45 deep aquifer percolation factor
rchrp_dp_46	multiplier	0.850	1.150	hru 46 deep aquifer percolation factor
rchrp_dp_47	multiplier	0.850	1.150	hru 47 deep aquifer percolation factor
rchrp_dp_v	value	0.250	0.750	subbasin deep aquifer percolation factor
revapmn_01	multiplier	0.850	1.150	hru 01 groundwater threshold 'revap' depth (mm)
revapmn_02	multiplier	0.850	1.150	hru 02 groundwater threshold 'revap' depth (mm)
revapmn_03	multiplier	0.850	1.150	hru 03 groundwater threshold 'revap' depth (mm)
revapmn_04	multiplier	0.850	1.150	hru 04 groundwater threshold 'revap' depth (mm)
revapmn_05	multiplier	0.850	1.150	hru 05 groundwater threshold 'revap' depth (mm)
revapmn_06	multiplier	0.850	1.150	hru 06 groundwater threshold 'revap' depth (mm)
revapmn_07	multiplier	0.850	1.150	hru 07 groundwater threshold 'revap' depth (mm)
revapmn_08	multiplier	0.850	1.150	hru 08 groundwater threshold 'revap' depth (mm)
revapmn_09	multiplier	0.850	1.150	hru 09 groundwater threshold 'revap' depth (mm)
revapmn_10	multiplier	0.850	1.150	hru 10 groundwater threshold 'revap' depth (mm)
revapmn_11	multiplier	0.850	1.150	hru 11 groundwater threshold 'revap' depth (mm)
revapmn_12	multiplier	0.850	1.150	hru 12 groundwater threshold 'revap' depth (mm)
revapmn_13	multiplier	0.850	1.150	hru 13 groundwater threshold 'revap' depth (mm)
revapmn_14	multiplier	0.850	1.150	hru 14 groundwater threshold 'revap' depth (mm)
revapmn_15	multiplier	0.850	1.150	hru 15 groundwater threshold 'revap' depth (mm)
revapmn_16	multiplier	0.850	1.150	hru 16 groundwater threshold 'revap' depth (mm)
revapmn_17	multiplier	0.850	1.150	hru 17 groundwater threshold 'revap' depth (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
revapmn_18	multiplier	0.850	1.150	hru 18 groundwater threshold 'revap' depth (mm)
revapmn_19	multiplier	0.850	1.150	hru 19 groundwater threshold 'revap' depth (mm)
revapmn_20	multiplier	0.850	1.150	hru 20 groundwater threshold 'revap' depth (mm)
revapmn_21	multiplier	0.850	1.150	hru 21 groundwater threshold 'revap' depth (mm)
revapmn_22	multiplier	0.850	1.150	hru 22 groundwater threshold 'revap' depth (mm)
revapmn_23	multiplier	0.850	1.150	hru 23 groundwater threshold 'revap' depth (mm)
revapmn_24	multiplier	0.850	1.150	hru 24 groundwater threshold 'revap' depth (mm)
revapmn_25	multiplier	0.850	1.150	hru 25 groundwater threshold 'revap' depth (mm)
revapmn_26	multiplier	0.850	1.150	hru 26 groundwater threshold 'revap' depth (mm)
revapmn_27	multiplier	0.850	1.150	hru 27 groundwater threshold 'revap' depth (mm)
revapmn_28	multiplier	0.850	1.150	hru 28 groundwater threshold 'revap' depth (mm)
revapmn_29	multiplier	0.850	1.150	hru 29 groundwater threshold 'revap' depth (mm)
revapmn_30	multiplier	0.850	1.150	hru 30 groundwater threshold 'revap' depth (mm)
revapmn_31	multiplier	0.850	1.150	hru 31 groundwater threshold 'revap' depth (mm)
revapmn_32	multiplier	0.850	1.150	hru 32 groundwater threshold 'revap' depth (mm)
revapmn_33	multiplier	0.850	1.150	hru 33 groundwater threshold 'revap' depth (mm)
revapmn_34	multiplier	0.850	1.150	hru 34 groundwater threshold 'revap' depth (mm)
revapmn_35	multiplier	0.850	1.150	hru 35 groundwater threshold 'revap' depth (mm)
revapmn_36	multiplier	0.850	1.150	hru 36 groundwater threshold 'revap' depth (mm)
revapmn_37	multiplier	0.850	1.150	hru 37 groundwater threshold 'revap' depth (mm)
revapmn_38	multiplier	0.850	1.150	hru 38 groundwater threshold 'revap' depth (mm)
revapmn_39	multiplier	0.850	1.150	hru 39 groundwater threshold 'revap' depth (mm)
revapmn_40	multiplier	0.850	1.150	hru 40 groundwater threshold 'revap' depth (mm)
revapmn_41	multiplier	0.850	1.150	hru 41 groundwater threshold 'revap' depth (mm)
revapmn_42	multiplier	0.850	1.150	hru 42 groundwater threshold 'revap' depth (mm)
revapmn_43	multiplier	0.850	1.150	hru 43 groundwater threshold 'revap' depth (mm)
revapmn_44	multiplier	0.850	1.150	hru 44 groundwater threshold 'revap' depth (mm)
revapmn_45	multiplier	0.850	1.150	hru 45 groundwater threshold 'revap' depth (mm)
revapmn_46	multiplier	0.850	1.150	hru 46 groundwater threshold 'revap' depth (mm)
revapmn_47	multiplier	0.850	1.150	hru 47 groundwater threshold 'revap' depth (mm)
revapmn_v	value	100.000	1000.000	subbasin groundwater threshold 'revap' depth (mm)
slsubbsn_01	multiplier	0.850	1.150	hru 01 average slope length (m)
slsubbsn_02	multiplier	0.850	1.150	hru 02 average slope length (m)
slsubbsn_03	multiplier	0.850	1.150	hru 03 average slope length (m)
slsubbsn_04	multiplier	0.850	1.150	hru 04 average slope length (m)
slsubbsn_05	multiplier	0.850	1.150	hru 05 average slope length (m)
slsubbsn_06	multiplier	0.850	1.150	hru 06 average slope length (m)
slsubbsn_07	multiplier	0.850	1.150	hru 07 average slope length (m)
slsubbsn_08	multiplier	0.850	1.150	hru 08 average slope length (m)
slsubbsn_09	multiplier	0.850	1.150	hru 09 average slope length (m)
slsubbsn_10	multiplier	0.850	1.150	hru 10 average slope length (m)

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control file name	type	lower bound	upper bound	description (with units if applicable)
sbsubbsn_11	multiplier	0.850	1.150	hru 11 average slope length (m)
sbsubbsn_12	multiplier	0.850	1.150	hru 12 average slope length (m)
sbsubbsn_13	multiplier	0.850	1.150	hru 13 average slope length (m)
sbsubbsn_14	multiplier	0.850	1.150	hru 14 average slope length (m)
sbsubbsn_15	multiplier	0.850	1.150	hru 15 average slope length (m)
sbsubbsn_16	multiplier	0.850	1.150	hru 16 average slope length (m)
sbsubbsn_17	multiplier	0.850	1.150	hru 17 average slope length (m)
sbsubbsn_18	multiplier	0.850	1.150	hru 18 average slope length (m)
sbsubbsn_19	multiplier	0.850	1.150	hru 19 average slope length (m)
sbsubbsn_20	multiplier	0.850	1.150	hru 20 average slope length (m)
sbsubbsn_21	multiplier	0.850	1.150	hru 21 average slope length (m)
sbsubbsn_22	multiplier	0.850	1.150	hru 22 average slope length (m)
sbsubbsn_23	multiplier	0.850	1.150	hru 23 average slope length (m)
sbsubbsn_24	multiplier	0.850	1.150	hru 24 average slope length (m)
sbsubbsn_25	multiplier	0.850	1.150	hru 25 average slope length (m)
sbsubbsn_26	multiplier	0.850	1.150	hru 26 average slope length (m)
sbsubbsn_27	multiplier	0.850	1.150	hru 27 average slope length (m)
sbsubbsn_28	multiplier	0.850	1.150	hru 28 average slope length (m)
sbsubbsn_29	multiplier	0.850	1.150	hru 29 average slope length (m)
sbsubbsn_30	multiplier	0.850	1.150	hru 30 average slope length (m)
sbsubbsn_31	multiplier	0.850	1.150	hru 31 average slope length (m)
sbsubbsn_32	multiplier	0.850	1.150	hru 32 average slope length (m)
sbsubbsn_33	multiplier	0.850	1.150	hru 33 average slope length (m)
sbsubbsn_34	multiplier	0.850	1.150	hru 34 average slope length (m)
sbsubbsn_35	multiplier	0.850	1.150	hru 35 average slope length (m)
sbsubbsn_36	multiplier	0.850	1.150	hru 36 average slope length (m)
sbsubbsn_37	multiplier	0.850	1.150	hru 37 average slope length (m)
sbsubbsn_38	multiplier	0.850	1.150	hru 38 average slope length (m)
sbsubbsn_39	multiplier	0.850	1.150	hru 39 average slope length (m)
sbsubbsn_40	multiplier	0.850	1.150	hru 40 average slope length (m)
sbsubbsn_41	multiplier	0.850	1.150	hru 41 average slope length (m)
sbsubbsn_42	multiplier	0.850	1.150	hru 42 average slope length (m)
sbsubbsn_43	multiplier	0.850	1.150	hru 43 average slope length (m)
sbsubbsn_44	multiplier	0.850	1.150	hru 44 average slope length (m)
sbsubbsn_45	multiplier	0.850	1.150	hru 45 average slope length (m)
sbsubbsn_46	multiplier	0.850	1.150	hru 46 average slope length (m)
sbsubbsn_47	multiplier	0.850	1.150	hru 47 average slope length (m)
sbsubbsn_r	multiplier	0.500	1.500	subbasin average slope length (m)
sol_alb_1.01	multiplier	0.850	1.150	hru 01 soil layer 1 moist albedo
sol_alb_1.02	multiplier	0.850	1.150	hru 02 soil layer 1 moist albedo
sol_alb_1.03	multiplier	0.850	1.150	hru 03 soil layer 1 moist albedo

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_alb_1_04	multiplier	0.850	1.150	hru 04 soil layer 1 moist albedo
sol_alb_1_05	multiplier	0.850	1.150	hru 05 soil layer 1 moist albedo
sol_alb_1_06	multiplier	0.850	1.150	hru 06 soil layer 1 moist albedo
sol_alb_1_07	multiplier	0.850	1.150	hru 07 soil layer 1 moist albedo
sol_alb_1_08	multiplier	0.850	1.150	hru 08 soil layer 1 moist albedo
sol_alb_1_09	multiplier	0.850	1.150	hru 09 soil layer 1 moist albedo
sol_alb_1_10	multiplier	0.850	1.150	hru 10 soil layer 1 moist albedo
sol_alb_1_11	multiplier	0.850	1.150	hru 11 soil layer 1 moist albedo
sol_alb_1_12	multiplier	0.850	1.150	hru 12 soil layer 1 moist albedo
sol_alb_1_13	multiplier	0.850	1.150	hru 13 soil layer 1 moist albedo
sol_alb_1_14	multiplier	0.850	1.150	hru 14 soil layer 1 moist albedo
sol_alb_1_15	multiplier	0.850	1.150	hru 15 soil layer 1 moist albedo
sol_alb_1_16	multiplier	0.850	1.150	hru 16 soil layer 1 moist albedo
sol_alb_1_17	multiplier	0.850	1.150	hru 17 soil layer 1 moist albedo
sol_alb_1_18	multiplier	0.850	1.150	hru 18 soil layer 1 moist albedo
sol_alb_1_19	multiplier	0.850	1.150	hru 19 soil layer 1 moist albedo
sol_alb_1_20	multiplier	0.850	1.150	hru 20 soil layer 1 moist albedo
sol_alb_1_21	multiplier	0.850	1.150	hru 21 soil layer 1 moist albedo
sol_alb_1_22	multiplier	0.850	1.150	hru 22 soil layer 1 moist albedo
sol_alb_1_23	multiplier	0.850	1.150	hru 23 soil layer 1 moist albedo
sol_alb_1_24	multiplier	0.850	1.150	hru 24 soil layer 1 moist albedo
sol_alb_1_25	multiplier	0.850	1.150	hru 25 soil layer 1 moist albedo
sol_alb_1_26	multiplier	0.850	1.150	hru 26 soil layer 1 moist albedo
sol_alb_1_27	multiplier	0.850	1.150	hru 27 soil layer 1 moist albedo
sol_alb_1_28	multiplier	0.850	1.150	hru 28 soil layer 1 moist albedo
sol_alb_1_29	multiplier	0.850	1.150	hru 29 soil layer 1 moist albedo
sol_alb_1_30	multiplier	0.850	1.150	hru 30 soil layer 1 moist albedo
sol_alb_1_31	multiplier	0.850	1.150	hru 31 soil layer 1 moist albedo
sol_alb_1_32	multiplier	0.850	1.150	hru 32 soil layer 1 moist albedo
sol_alb_1_33	multiplier	0.850	1.150	hru 33 soil layer 1 moist albedo
sol_alb_1_34	multiplier	0.850	1.150	hru 34 soil layer 1 moist albedo
sol_alb_1_35	multiplier	0.850	1.150	hru 35 soil layer 1 moist albedo
sol_alb_1_36	multiplier	0.850	1.150	hru 36 soil layer 1 moist albedo
sol_alb_1_37	multiplier	0.850	1.150	hru 37 soil layer 1 moist albedo
sol_alb_1_38	multiplier	0.850	1.150	hru 38 soil layer 1 moist albedo
sol_alb_1_39	multiplier	0.850	1.150	hru 39 soil layer 1 moist albedo
sol_alb_1_40	multiplier	0.850	1.150	hru 40 soil layer 1 moist albedo
sol_alb_1_41	multiplier	0.850	1.150	hru 41 soil layer 1 moist albedo
sol_alb_1_42	multiplier	0.850	1.150	hru 42 soil layer 1 moist albedo
sol_alb_1_43	multiplier	0.850	1.150	hru 43 soil layer 1 moist albedo
sol_alb_1_44	multiplier	0.850	1.150	hru 44 soil layer 1 moist albedo

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_alb_1_45	multiplier	0.850	1.150	hru 45 soil layer 1 moist albedo
sol_alb_1_46	multiplier	0.850	1.150	hru 46 soil layer 1 moist albedo
sol_alb_1_47	multiplier	0.850	1.150	hru 47 soil layer 1 moist albedo
sol_alb_1_r	multiplier	1.000	5.000	subbasin soil layer 1 moist albedo
sol_alb_2_01	multiplier	0.850	1.150	hru 01 soil layer 2 moist albedo
sol_alb_2_02	multiplier	0.850	1.150	hru 02 soil layer 2 moist albedo
sol_alb_2_03	multiplier	0.850	1.150	hru 03 soil layer 2 moist albedo
sol_alb_2_04	multiplier	0.850	1.150	hru 04 soil layer 2 moist albedo
sol_alb_2_05	multiplier	0.850	1.150	hru 05 soil layer 2 moist albedo
sol_alb_2_06	multiplier	0.850	1.150	hru 06 soil layer 2 moist albedo
sol_alb_2_07	multiplier	0.850	1.150	hru 07 soil layer 2 moist albedo
sol_alb_2_08	multiplier	0.850	1.150	hru 08 soil layer 2 moist albedo
sol_alb_2_09	multiplier	0.850	1.150	hru 09 soil layer 2 moist albedo
sol_alb_2_10	multiplier	0.850	1.150	hru 10 soil layer 2 moist albedo
sol_alb_2_11	multiplier	0.850	1.150	hru 11 soil layer 2 moist albedo
sol_alb_2_12	multiplier	0.850	1.150	hru 12 soil layer 2 moist albedo
sol_alb_2_13	multiplier	0.850	1.150	hru 13 soil layer 2 moist albedo
sol_alb_2_14	multiplier	0.850	1.150	hru 14 soil layer 2 moist albedo
sol_alb_2_15	multiplier	0.850	1.150	hru 15 soil layer 2 moist albedo
sol_alb_2_16	multiplier	0.850	1.150	hru 16 soil layer 2 moist albedo
sol_alb_2_17	multiplier	0.850	1.150	hru 17 soil layer 2 moist albedo
sol_alb_2_18	multiplier	0.850	1.150	hru 18 soil layer 2 moist albedo
sol_alb_2_19	multiplier	0.850	1.150	hru 19 soil layer 2 moist albedo
sol_alb_2_20	multiplier	0.850	1.150	hru 20 soil layer 2 moist albedo
sol_alb_2_21	multiplier	0.850	1.150	hru 21 soil layer 2 moist albedo
sol_alb_2_22	multiplier	0.850	1.150	hru 22 soil layer 2 moist albedo
sol_alb_2_23	multiplier	0.850	1.150	hru 23 soil layer 2 moist albedo
sol_alb_2_24	multiplier	0.850	1.150	hru 24 soil layer 2 moist albedo
sol_alb_2_25	multiplier	0.850	1.150	hru 25 soil layer 2 moist albedo
sol_alb_2_26	multiplier	0.850	1.150	hru 26 soil layer 2 moist albedo
sol_alb_2_27	multiplier	0.850	1.150	hru 27 soil layer 2 moist albedo
sol_alb_2_28	multiplier	0.850	1.150	hru 28 soil layer 2 moist albedo
sol_alb_2_29	multiplier	0.850	1.150	hru 29 soil layer 2 moist albedo
sol_alb_2_30	multiplier	0.850	1.150	hru 30 soil layer 2 moist albedo
sol_alb_2_31	multiplier	0.850	1.150	hru 31 soil layer 2 moist albedo
sol_alb_2_32	multiplier	0.850	1.150	hru 32 soil layer 2 moist albedo
sol_alb_2_33	multiplier	0.850	1.150	hru 33 soil layer 2 moist albedo
sol_alb_2_34	multiplier	0.850	1.150	hru 34 soil layer 2 moist albedo
sol_alb_2_35	multiplier	0.850	1.150	hru 35 soil layer 2 moist albedo
sol_alb_2_36	multiplier	0.850	1.150	hru 36 soil layer 2 moist albedo
sol_alb_2_37	multiplier	0.850	1.150	hru 37 soil layer 2 moist albedo

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_alb_2_38	multiplier	0.850	1.150	hru 38 soil layer 2 moist albedo
sol_alb_2_39	multiplier	0.850	1.150	hru 39 soil layer 2 moist albedo
sol_alb_2_40	multiplier	0.850	1.150	hru 40 soil layer 2 moist albedo
sol_alb_2_41	multiplier	0.850	1.150	hru 41 soil layer 2 moist albedo
sol_alb_2_42	multiplier	0.850	1.150	hru 42 soil layer 2 moist albedo
sol_alb_2_43	multiplier	0.850	1.150	hru 43 soil layer 2 moist albedo
sol_alb_2_44	multiplier	0.850	1.150	hru 44 soil layer 2 moist albedo
sol_alb_2_45	multiplier	0.850	1.150	hru 45 soil layer 2 moist albedo
sol_alb_2_46	multiplier	0.850	1.150	hru 46 soil layer 2 moist albedo
sol_alb_2_47	multiplier	0.850	1.150	hru 47 soil layer 2 moist albedo
sol_alb_2_r	multiplier	1.000	5.000	subbasin soil layer 2 moist albedo
sol_alb_3_01	multiplier	0.850	1.150	hru 01 soil layer 3 moist albedo
sol_alb_3_02	multiplier	0.850	1.150	hru 02 soil layer 3 moist albedo
sol_alb_3_03	multiplier	0.850	1.150	hru 03 soil layer 3 moist albedo
sol_alb_3_04	multiplier	0.850	1.150	hru 04 soil layer 3 moist albedo
sol_alb_3_05	multiplier	0.850	1.150	hru 05 soil layer 3 moist albedo
sol_alb_3_06	multiplier	0.850	1.150	hru 06 soil layer 3 moist albedo
sol_alb_3_07	multiplier	0.850	1.150	hru 07 soil layer 3 moist albedo
sol_alb_3_08	multiplier	0.850	1.150	hru 08 soil layer 3 moist albedo
sol_alb_3_09	multiplier	0.850	1.150	hru 09 soil layer 3 moist albedo
sol_alb_3_10	multiplier	0.850	1.150	hru 10 soil layer 3 moist albedo
sol_alb_3_11	multiplier	0.850	1.150	hru 11 soil layer 3 moist albedo
sol_alb_3_12	multiplier	0.850	1.150	hru 12 soil layer 3 moist albedo
sol_alb_3_13	multiplier	0.850	1.150	hru 13 soil layer 3 moist albedo
sol_alb_3_14	multiplier	0.850	1.150	hru 14 soil layer 3 moist albedo
sol_alb_3_15	multiplier	0.850	1.150	hru 15 soil layer 3 moist albedo
sol_alb_3_16	multiplier	0.850	1.150	hru 16 soil layer 3 moist albedo
sol_alb_3_17	multiplier	0.850	1.150	hru 17 soil layer 3 moist albedo
sol_alb_3_18	multiplier	0.850	1.150	hru 18 soil layer 3 moist albedo
sol_alb_3_19	multiplier	0.850	1.150	hru 19 soil layer 3 moist albedo
sol_alb_3_20	multiplier	0.850	1.150	hru 20 soil layer 3 moist albedo
sol_alb_3_21	multiplier	0.850	1.150	hru 21 soil layer 3 moist albedo
sol_alb_3_22	multiplier	0.850	1.150	hru 22 soil layer 3 moist albedo
sol_alb_3_23	multiplier	0.850	1.150	hru 23 soil layer 3 moist albedo
sol_alb_3_24	multiplier	0.850	1.150	hru 24 soil layer 3 moist albedo
sol_alb_3_25	multiplier	0.850	1.150	hru 25 soil layer 3 moist albedo
sol_alb_3_26	multiplier	0.850	1.150	hru 26 soil layer 3 moist albedo
sol_alb_3_27	multiplier	0.850	1.150	hru 27 soil layer 3 moist albedo
sol_alb_3_28	multiplier	0.850	1.150	hru 28 soil layer 3 moist albedo
sol_alb_3_29	multiplier	0.850	1.150	hru 29 soil layer 3 moist albedo
sol_alb_3_30	multiplier	0.850	1.150	hru 30 soil layer 3 moist albedo

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_alb_3_31	multiplier	0.850	1.150	hru 31 soil layer 3 moist albedo
sol_alb_3_32	multiplier	0.850	1.150	hru 32 soil layer 3 moist albedo
sol_alb_3_33	multiplier	0.850	1.150	hru 33 soil layer 3 moist albedo
sol_alb_3_34	multiplier	0.850	1.150	hru 34 soil layer 3 moist albedo
sol_alb_3_35	multiplier	0.850	1.150	hru 35 soil layer 3 moist albedo
sol_alb_3_36	multiplier	0.850	1.150	hru 36 soil layer 3 moist albedo
sol_alb_3_37	multiplier	0.850	1.150	hru 37 soil layer 3 moist albedo
sol_alb_3_38	multiplier	0.850	1.150	hru 38 soil layer 3 moist albedo
sol_alb_3_39	multiplier	0.850	1.150	hru 39 soil layer 3 moist albedo
sol_alb_3_40	multiplier	0.850	1.150	hru 40 soil layer 3 moist albedo
sol_alb_3_41	multiplier	0.850	1.150	hru 41 soil layer 3 moist albedo
sol_alb_3_42	multiplier	0.850	1.150	hru 42 soil layer 3 moist albedo
sol_alb_3_43	multiplier	0.850	1.150	hru 43 soil layer 3 moist albedo
sol_alb_3_44	multiplier	0.850	1.150	hru 44 soil layer 3 moist albedo
sol_alb_3_45	multiplier	0.850	1.150	hru 45 soil layer 3 moist albedo
sol_alb_3_46	multiplier	0.850	1.150	hru 46 soil layer 3 moist albedo
sol_alb_3_47	multiplier	0.850	1.150	hru 47 soil layer 3 moist albedo
sol_alb_3_r	multiplier	1.000	5.000	subbasin soil layer 3 moist albedo
sol_awc_1_01	multiplier	0.850	1.150	hru 01 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_02	multiplier	0.850	1.150	hru 02 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_03	multiplier	0.850	1.150	hru 03 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_04	multiplier	0.850	1.150	hru 04 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_05	multiplier	0.850	1.150	hru 05 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_06	multiplier	0.850	1.150	hru 06 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_07	multiplier	0.850	1.150	hru 07 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_08	multiplier	0.850	1.150	hru 08 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_09	multiplier	0.850	1.150	hru 09 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_10	multiplier	0.850	1.150	hru 10 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_11	multiplier	0.850	1.150	hru 11 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_12	multiplier	0.850	1.150	hru 12 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_13	multiplier	0.850	1.150	hru 13 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_14	multiplier	0.850	1.150	hru 14 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_15	multiplier	0.850	1.150	hru 15 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_16	multiplier	0.850	1.150	hru 16 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_17	multiplier	0.850	1.150	hru 17 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_18	multiplier	0.850	1.150	hru 18 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_19	multiplier	0.850	1.150	hru 19 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_20	multiplier	0.850	1.150	hru 20 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_21	multiplier	0.850	1.150	hru 21 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_22	multiplier	0.850	1.150	hru 22 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )
sol_awc_1_23	multiplier	0.850	1.150	hru 23 soil layer 1 available water capacity ( $\frac{\text{mm}}{\text{mm}}$ )

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_awc_1_24	multiplier	0.850	1.150	hru 24 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_25	multiplier	0.850	1.150	hru 25 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_26	multiplier	0.850	1.150	hru 26 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_27	multiplier	0.850	1.150	hru 27 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_28	multiplier	0.850	1.150	hru 28 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_29	multiplier	0.850	1.150	hru 29 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_30	multiplier	0.850	1.150	hru 30 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_31	multiplier	0.850	1.150	hru 31 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_32	multiplier	0.850	1.150	hru 32 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_33	multiplier	0.850	1.150	hru 33 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_34	multiplier	0.850	1.150	hru 34 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_35	multiplier	0.850	1.150	hru 35 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_36	multiplier	0.850	1.150	hru 36 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_37	multiplier	0.850	1.150	hru 37 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_38	multiplier	0.850	1.150	hru 38 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_39	multiplier	0.850	1.150	hru 39 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_40	multiplier	0.850	1.150	hru 40 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_41	multiplier	0.850	1.150	hru 41 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_42	multiplier	0.850	1.150	hru 42 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_43	multiplier	0.850	1.150	hru 43 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_44	multiplier	0.850	1.150	hru 44 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_45	multiplier	0.850	1.150	hru 45 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_46	multiplier	0.850	1.150	hru 46 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_47	multiplier	0.850	1.150	hru 47 soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_1_r	multiplier	1.000	5.000	subbasin soil layer 1 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_01	multiplier	0.850	1.150	hru 01 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_02	multiplier	0.850	1.150	hru 02 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_03	multiplier	0.850	1.150	hru 03 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_04	multiplier	0.850	1.150	hru 04 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_05	multiplier	0.850	1.150	hru 05 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_06	multiplier	0.850	1.150	hru 06 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_07	multiplier	0.850	1.150	hru 07 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_08	multiplier	0.850	1.150	hru 08 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_09	multiplier	0.850	1.150	hru 09 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_10	multiplier	0.850	1.150	hru 10 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_11	multiplier	0.850	1.150	hru 11 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_12	multiplier	0.850	1.150	hru 12 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_13	multiplier	0.850	1.150	hru 13 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_14	multiplier	0.850	1.150	hru 14 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_15	multiplier	0.850	1.150	hru 15 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )
sol_awc_2_16	multiplier	0.850	1.150	hru 16 soil layer 2 available water capacity ( $\frac{mm}{mm}$ )

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_k_3_18	multiplier	0.850	1.150	hru 18 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_19	multiplier	0.850	1.150	hru 19 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_20	multiplier	0.850	1.150	hru 20 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_21	multiplier	0.850	1.150	hru 21 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_22	multiplier	0.850	1.150	hru 22 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_23	multiplier	0.850	1.150	hru 23 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_24	multiplier	0.850	1.150	hru 24 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_25	multiplier	0.850	1.150	hru 25 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_26	multiplier	0.850	1.150	hru 26 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_27	multiplier	0.850	1.150	hru 27 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_28	multiplier	0.850	1.150	hru 28 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_29	multiplier	0.850	1.150	hru 29 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_30	multiplier	0.850	1.150	hru 30 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_31	multiplier	0.850	1.150	hru 31 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_32	multiplier	0.850	1.150	hru 32 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_33	multiplier	0.850	1.150	hru 33 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_34	multiplier	0.850	1.150	hru 34 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_35	multiplier	0.850	1.150	hru 35 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_36	multiplier	0.850	1.150	hru 36 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_37	multiplier	0.850	1.150	hru 37 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_38	multiplier	0.850	1.150	hru 38 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_39	multiplier	0.850	1.150	hru 39 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_40	multiplier	0.850	1.150	hru 40 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_41	multiplier	0.850	1.150	hru 41 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_42	multiplier	0.850	1.150	hru 42 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_43	multiplier	0.850	1.150	hru 43 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_44	multiplier	0.850	1.150	hru 44 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_45	multiplier	0.850	1.150	hru 45 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_46	multiplier	0.850	1.150	hru 46 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_47	multiplier	0.850	1.150	hru 47 soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_k_3_r	multiplier	1.000	5.000	subbasin soil layer 3 saturated hydraulic conductivity ( $\frac{\text{mm}}{\text{hr}}$ )
sol_thk_1_01	multiplier	0.850	1.150	hru 01 soil layer 1 thickness (mm)
sol_thk_1_02	multiplier	0.850	1.150	hru 02 soil layer 1 thickness (mm)
sol_thk_1_03	multiplier	0.850	1.150	hru 03 soil layer 1 thickness (mm)
sol_thk_1_04	multiplier	0.850	1.150	hru 04 soil layer 1 thickness (mm)
sol_thk_1_05	multiplier	0.850	1.150	hru 05 soil layer 1 thickness (mm)
sol_thk_1_06	multiplier	0.850	1.150	hru 06 soil layer 1 thickness (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_thk_1_07	multiplier	0.850	1.150	hru 07 soil layer 1 thickness (mm)
sol_thk_1_08	multiplier	0.850	1.150	hru 08 soil layer 1 thickness (mm)
sol_thk_1_09	multiplier	0.850	1.150	hru 09 soil layer 1 thickness (mm)
sol_thk_1_10	multiplier	0.850	1.150	hru 10 soil layer 1 thickness (mm)
sol_thk_1_11	multiplier	0.850	1.150	hru 11 soil layer 1 thickness (mm)
sol_thk_1_12	multiplier	0.850	1.150	hru 12 soil layer 1 thickness (mm)
sol_thk_1_13	multiplier	0.850	1.150	hru 13 soil layer 1 thickness (mm)
sol_thk_1_14	multiplier	0.850	1.150	hru 14 soil layer 1 thickness (mm)
sol_thk_1_15	multiplier	0.850	1.150	hru 15 soil layer 1 thickness (mm)
sol_thk_1_16	multiplier	0.850	1.150	hru 16 soil layer 1 thickness (mm)
sol_thk_1_17	multiplier	0.850	1.150	hru 17 soil layer 1 thickness (mm)
sol_thk_1_18	multiplier	0.850	1.150	hru 18 soil layer 1 thickness (mm)
sol_thk_1_19	multiplier	0.850	1.150	hru 19 soil layer 1 thickness (mm)
sol_thk_1_20	multiplier	0.850	1.150	hru 20 soil layer 1 thickness (mm)
sol_thk_1_21	multiplier	0.850	1.150	hru 21 soil layer 1 thickness (mm)
sol_thk_1_22	multiplier	0.850	1.150	hru 22 soil layer 1 thickness (mm)
sol_thk_1_23	multiplier	0.850	1.150	hru 23 soil layer 1 thickness (mm)
sol_thk_1_24	multiplier	0.850	1.150	hru 24 soil layer 1 thickness (mm)
sol_thk_1_25	multiplier	0.850	1.150	hru 25 soil layer 1 thickness (mm)
sol_thk_1_26	multiplier	0.850	1.150	hru 26 soil layer 1 thickness (mm)
sol_thk_1_27	multiplier	0.850	1.150	hru 27 soil layer 1 thickness (mm)
sol_thk_1_28	multiplier	0.850	1.150	hru 28 soil layer 1 thickness (mm)
sol_thk_1_29	multiplier	0.850	1.150	hru 29 soil layer 1 thickness (mm)
sol_thk_1_30	multiplier	0.850	1.150	hru 30 soil layer 1 thickness (mm)
sol_thk_1_31	multiplier	0.850	1.150	hru 31 soil layer 1 thickness (mm)
sol_thk_1_32	multiplier	0.850	1.150	hru 32 soil layer 1 thickness (mm)
sol_thk_1_33	multiplier	0.850	1.150	hru 33 soil layer 1 thickness (mm)
sol_thk_1_34	multiplier	0.850	1.150	hru 34 soil layer 1 thickness (mm)
sol_thk_1_35	multiplier	0.850	1.150	hru 35 soil layer 1 thickness (mm)
sol_thk_1_36	multiplier	0.850	1.150	hru 36 soil layer 1 thickness (mm)
sol_thk_1_37	multiplier	0.850	1.150	hru 37 soil layer 1 thickness (mm)
sol_thk_1_38	multiplier	0.850	1.150	hru 38 soil layer 1 thickness (mm)
sol_thk_1_39	multiplier	0.850	1.150	hru 39 soil layer 1 thickness (mm)
sol_thk_1_40	multiplier	0.850	1.150	hru 40 soil layer 1 thickness (mm)
sol_thk_1_41	multiplier	0.850	1.150	hru 41 soil layer 1 thickness (mm)
sol_thk_1_42	multiplier	0.850	1.150	hru 42 soil layer 1 thickness (mm)
sol_thk_1_43	multiplier	0.850	1.150	hru 43 soil layer 1 thickness (mm)
sol_thk_1_44	multiplier	0.850	1.150	hru 44 soil layer 1 thickness (mm)
sol_thk_1_45	multiplier	0.850	1.150	hru 45 soil layer 1 thickness (mm)
sol_thk_1_46	multiplier	0.850	1.150	hru 46 soil layer 1 thickness (mm)
sol_thk_1_47	multiplier	0.850	1.150	hru 47 soil layer 1 thickness (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_thk_2_01	multiplier	0.850	1.150	hru 01 soil layer 2 thickness (mm)
sol_thk_2_02	multiplier	0.850	1.150	hru 02 soil layer 2 thickness (mm)
sol_thk_2_03	multiplier	0.850	1.150	hru 03 soil layer 2 thickness (mm)
sol_thk_2_04	multiplier	0.850	1.150	hru 04 soil layer 2 thickness (mm)
sol_thk_2_05	multiplier	0.850	1.150	hru 05 soil layer 2 thickness (mm)
sol_thk_2_06	multiplier	0.850	1.150	hru 06 soil layer 2 thickness (mm)
sol_thk_2_07	multiplier	0.850	1.150	hru 07 soil layer 2 thickness (mm)
sol_thk_2_08	multiplier	0.850	1.150	hru 08 soil layer 2 thickness (mm)
sol_thk_2_09	multiplier	0.850	1.150	hru 09 soil layer 2 thickness (mm)
sol_thk_2_10	multiplier	0.850	1.150	hru 10 soil layer 2 thickness (mm)
sol_thk_2_11	multiplier	0.850	1.150	hru 11 soil layer 2 thickness (mm)
sol_thk_2_12	multiplier	0.850	1.150	hru 12 soil layer 2 thickness (mm)
sol_thk_2_13	multiplier	0.850	1.150	hru 13 soil layer 2 thickness (mm)
sol_thk_2_14	multiplier	0.850	1.150	hru 14 soil layer 2 thickness (mm)
sol_thk_2_15	multiplier	0.850	1.150	hru 15 soil layer 2 thickness (mm)
sol_thk_2_16	multiplier	0.850	1.150	hru 16 soil layer 2 thickness (mm)
sol_thk_2_17	multiplier	0.850	1.150	hru 17 soil layer 2 thickness (mm)
sol_thk_2_18	multiplier	0.850	1.150	hru 18 soil layer 2 thickness (mm)
sol_thk_2_19	multiplier	0.850	1.150	hru 19 soil layer 2 thickness (mm)
sol_thk_2_20	multiplier	0.850	1.150	hru 20 soil layer 2 thickness (mm)
sol_thk_2_21	multiplier	0.850	1.150	hru 21 soil layer 2 thickness (mm)
sol_thk_2_22	multiplier	0.850	1.150	hru 22 soil layer 2 thickness (mm)
sol_thk_2_23	multiplier	0.850	1.150	hru 23 soil layer 2 thickness (mm)
sol_thk_2_24	multiplier	0.850	1.150	hru 24 soil layer 2 thickness (mm)
sol_thk_2_25	multiplier	0.850	1.150	hru 25 soil layer 2 thickness (mm)
sol_thk_2_26	multiplier	0.850	1.150	hru 26 soil layer 2 thickness (mm)
sol_thk_2_27	multiplier	0.850	1.150	hru 27 soil layer 2 thickness (mm)
sol_thk_2_28	multiplier	0.850	1.150	hru 28 soil layer 2 thickness (mm)
sol_thk_2_29	multiplier	0.850	1.150	hru 29 soil layer 2 thickness (mm)
sol_thk_2_30	multiplier	0.850	1.150	hru 30 soil layer 2 thickness (mm)
sol_thk_2_31	multiplier	0.850	1.150	hru 31 soil layer 2 thickness (mm)
sol_thk_2_32	multiplier	0.850	1.150	hru 32 soil layer 2 thickness (mm)
sol_thk_2_33	multiplier	0.850	1.150	hru 33 soil layer 2 thickness (mm)
sol_thk_2_34	multiplier	0.850	1.150	hru 34 soil layer 2 thickness (mm)
sol_thk_2_35	multiplier	0.850	1.150	hru 35 soil layer 2 thickness (mm)
sol_thk_2_36	multiplier	0.850	1.150	hru 36 soil layer 2 thickness (mm)
sol_thk_2_37	multiplier	0.850	1.150	hru 37 soil layer 2 thickness (mm)
sol_thk_2_38	multiplier	0.850	1.150	hru 38 soil layer 2 thickness (mm)
sol_thk_2_39	multiplier	0.850	1.150	hru 39 soil layer 2 thickness (mm)
sol_thk_2_40	multiplier	0.850	1.150	hru 40 soil layer 2 thickness (mm)
sol_thk_2_41	multiplier	0.850	1.150	hru 41 soil layer 2 thickness (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_thk_2_42	multiplier	0.850	1.150	hru 42 soil layer 2 thickness (mm)
sol_thk_2_43	multiplier	0.850	1.150	hru 43 soil layer 2 thickness (mm)
sol_thk_2_44	multiplier	0.850	1.150	hru 44 soil layer 2 thickness (mm)
sol_thk_2_45	multiplier	0.850	1.150	hru 45 soil layer 2 thickness (mm)
sol_thk_2_46	multiplier	0.850	1.150	hru 46 soil layer 2 thickness (mm)
sol_thk_2_47	multiplier	0.850	1.150	hru 47 soil layer 2 thickness (mm)
sol_thk_3_01	multiplier	0.850	1.150	hru 01 soil layer 3 thickness (mm)
sol_thk_3_02	multiplier	0.850	1.150	hru 02 soil layer 3 thickness (mm)
sol_thk_3_03	multiplier	0.850	1.150	hru 03 soil layer 3 thickness (mm)
sol_thk_3_04	multiplier	0.850	1.150	hru 04 soil layer 3 thickness (mm)
sol_thk_3_05	multiplier	0.850	1.150	hru 05 soil layer 3 thickness (mm)
sol_thk_3_06	multiplier	0.850	1.150	hru 06 soil layer 3 thickness (mm)
sol_thk_3_07	multiplier	0.850	1.150	hru 07 soil layer 3 thickness (mm)
sol_thk_3_08	multiplier	0.850	1.150	hru 08 soil layer 3 thickness (mm)
sol_thk_3_09	multiplier	0.850	1.150	hru 09 soil layer 3 thickness (mm)
sol_thk_3_10	multiplier	0.850	1.150	hru 10 soil layer 3 thickness (mm)
sol_thk_3_11	multiplier	0.850	1.150	hru 11 soil layer 3 thickness (mm)
sol_thk_3_12	multiplier	0.850	1.150	hru 12 soil layer 3 thickness (mm)
sol_thk_3_13	multiplier	0.850	1.150	hru 13 soil layer 3 thickness (mm)
sol_thk_3_14	multiplier	0.850	1.150	hru 14 soil layer 3 thickness (mm)
sol_thk_3_15	multiplier	0.850	1.150	hru 15 soil layer 3 thickness (mm)
sol_thk_3_16	multiplier	0.850	1.150	hru 16 soil layer 3 thickness (mm)
sol_thk_3_17	multiplier	0.850	1.150	hru 17 soil layer 3 thickness (mm)
sol_thk_3_18	multiplier	0.850	1.150	hru 18 soil layer 3 thickness (mm)
sol_thk_3_19	multiplier	0.850	1.150	hru 19 soil layer 3 thickness (mm)
sol_thk_3_20	multiplier	0.850	1.150	hru 20 soil layer 3 thickness (mm)
sol_thk_3_21	multiplier	0.850	1.150	hru 21 soil layer 3 thickness (mm)
sol_thk_3_22	multiplier	0.850	1.150	hru 22 soil layer 3 thickness (mm)
sol_thk_3_23	multiplier	0.850	1.150	hru 23 soil layer 3 thickness (mm)
sol_thk_3_24	multiplier	0.850	1.150	hru 24 soil layer 3 thickness (mm)
sol_thk_3_25	multiplier	0.850	1.150	hru 25 soil layer 3 thickness (mm)
sol_thk_3_26	multiplier	0.850	1.150	hru 26 soil layer 3 thickness (mm)
sol_thk_3_27	multiplier	0.850	1.150	hru 27 soil layer 3 thickness (mm)
sol_thk_3_28	multiplier	0.850	1.150	hru 28 soil layer 3 thickness (mm)
sol_thk_3_29	multiplier	0.850	1.150	hru 29 soil layer 3 thickness (mm)
sol_thk_3_30	multiplier	0.850	1.150	hru 30 soil layer 3 thickness (mm)
sol_thk_3_31	multiplier	0.850	1.150	hru 31 soil layer 3 thickness (mm)
sol_thk_3_32	multiplier	0.850	1.150	hru 32 soil layer 3 thickness (mm)
sol_thk_3_33	multiplier	0.850	1.150	hru 33 soil layer 3 thickness (mm)
sol_thk_3_34	multiplier	0.850	1.150	hru 34 soil layer 3 thickness (mm)
sol_thk_3_35	multiplier	0.850	1.150	hru 35 soil layer 3 thickness (mm)

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control file name	type	lower bound	upper bound	description (with units if applicable)
sol_thk_3_36	multiplier	0.850	1.150	hru 36 soil layer 3 thickness (mm)
sol_thk_3_37	multiplier	0.850	1.150	hru 37 soil layer 3 thickness (mm)
sol_thk_3_38	multiplier	0.850	1.150	hru 38 soil layer 3 thickness (mm)
sol_thk_3_39	multiplier	0.850	1.150	hru 39 soil layer 3 thickness (mm)
sol_thk_3_40	multiplier	0.850	1.150	hru 40 soil layer 3 thickness (mm)
sol_thk_3_41	multiplier	0.850	1.150	hru 41 soil layer 3 thickness (mm)
sol_thk_3_42	multiplier	0.850	1.150	hru 42 soil layer 3 thickness (mm)
sol_thk_3_43	multiplier	0.850	1.150	hru 43 soil layer 3 thickness (mm)
sol_thk_3_44	multiplier	0.850	1.150	hru 44 soil layer 3 thickness (mm)
sol_thk_3_45	multiplier	0.850	1.150	hru 45 soil layer 3 thickness (mm)
sol_thk_3_46	multiplier	0.850	1.150	hru 46 soil layer 3 thickness (mm)
sol_thk_3_47	multiplier	0.850	1.150	hru 47 soil layer 3 thickness (mm)
surlag_01	multiplier	0.850	1.150	hru 01 surface runoff lag coefficient
surlag_02	multiplier	0.850	1.150	hru 02 surface runoff lag coefficient
surlag_03	multiplier	0.850	1.150	hru 03 surface runoff lag coefficient
surlag_04	multiplier	0.850	1.150	hru 04 surface runoff lag coefficient
surlag_05	multiplier	0.850	1.150	hru 05 surface runoff lag coefficient
surlag_06	multiplier	0.850	1.150	hru 06 surface runoff lag coefficient
surlag_07	multiplier	0.850	1.150	hru 07 surface runoff lag coefficient
surlag_08	multiplier	0.850	1.150	hru 08 surface runoff lag coefficient
surlag_09	multiplier	0.850	1.150	hru 09 surface runoff lag coefficient
surlag_10	multiplier	0.850	1.150	hru 10 surface runoff lag coefficient
surlag_11	multiplier	0.850	1.150	hru 11 surface runoff lag coefficient
surlag_12	multiplier	0.850	1.150	hru 12 surface runoff lag coefficient
surlag_13	multiplier	0.850	1.150	hru 13 surface runoff lag coefficient
surlag_14	multiplier	0.850	1.150	hru 14 surface runoff lag coefficient
surlag_15	multiplier	0.850	1.150	hru 15 surface runoff lag coefficient
surlag_16	multiplier	0.850	1.150	hru 16 surface runoff lag coefficient
surlag_17	multiplier	0.850	1.150	hru 17 surface runoff lag coefficient
surlag_18	multiplier	0.850	1.150	hru 18 surface runoff lag coefficient
surlag_19	multiplier	0.850	1.150	hru 19 surface runoff lag coefficient
surlag_20	multiplier	0.850	1.150	hru 20 surface runoff lag coefficient
surlag_21	multiplier	0.850	1.150	hru 21 surface runoff lag coefficient
surlag_22	multiplier	0.850	1.150	hru 22 surface runoff lag coefficient
surlag_23	multiplier	0.850	1.150	hru 23 surface runoff lag coefficient
surlag_24	multiplier	0.850	1.150	hru 24 surface runoff lag coefficient
surlag_25	multiplier	0.850	1.150	hru 25 surface runoff lag coefficient
surlag_26	multiplier	0.850	1.150	hru 26 surface runoff lag coefficient
surlag_27	multiplier	0.850	1.150	hru 27 surface runoff lag coefficient
surlag_28	multiplier	0.850	1.150	hru 28 surface runoff lag coefficient
surlag_29	multiplier	0.850	1.150	hru 29 surface runoff lag coefficient

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control file name	type	lower bound	upper bound	description (with units if applicable)
surlag_30	multiplier	0.850	1.150	hru 30 surface runoff lag coefficient
surlag_31	multiplier	0.850	1.150	hru 31 surface runoff lag coefficient
surlag_32	multiplier	0.850	1.150	hru 32 surface runoff lag coefficient
surlag_33	multiplier	0.850	1.150	hru 33 surface runoff lag coefficient
surlag_34	multiplier	0.850	1.150	hru 34 surface runoff lag coefficient
surlag_35	multiplier	0.850	1.150	hru 35 surface runoff lag coefficient
surlag_36	multiplier	0.850	1.150	hru 36 surface runoff lag coefficient
surlag_37	multiplier	0.850	1.150	hru 37 surface runoff lag coefficient
surlag_38	multiplier	0.850	1.150	hru 38 surface runoff lag coefficient
surlag_39	multiplier	0.850	1.150	hru 39 surface runoff lag coefficient
surlag_40	multiplier	0.850	1.150	hru 40 surface runoff lag coefficient
surlag_41	multiplier	0.850	1.150	hru 41 surface runoff lag coefficient
surlag_42	multiplier	0.850	1.150	hru 42 surface runoff lag coefficient
surlag_43	multiplier	0.850	1.150	hru 43 surface runoff lag coefficient
surlag_44	multiplier	0.850	1.150	hru 44 surface runoff lag coefficient
surlag_45	multiplier	0.850	1.150	hru 45 surface runoff lag coefficient
surlag_46	multiplier	0.850	1.150	hru 46 surface runoff lag coefficient
surlag_47	multiplier	0.850	1.150	hru 47 surface runoff lag coefficient
surlag_v	value	2.000	12.000	subbasin surface runoff lag coefficient
topt_frzd	value	15.000	45.000	subbasin decidous forest optimal growth temp( $^{\circ}$ C)
topt_frse	value	15.000	45.000	subbasin evergreen forest optimal growth temp( $^{\circ}$ C)
topt_rnge	value	12.500	37.500	subbasin rangeland optimal growth temp( $^{\circ}$ C)
trnsrch_v	value	0.500	0.980	subbasin deep aquifer fraction main channel transmission losses

Supplementart Material: The top five most influential parameters for each QOI and conditioning measure from the GSA 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: Summary of GSA method of Morris results showing the mean dimensionless sensitivity of the parameters to the conditioning measures and brush management 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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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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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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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 ET-precip ratio	ET-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 ET-precip ratio	ET-discharge-precip ratio	post-treat ET 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 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

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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_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

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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 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 ET-precip ratio	ET-discharge-precip ratio	post-treat ET diff	NSE
sol_alb_3_17	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_18	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_19	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_20	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_21	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_22	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_23	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_24	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_25	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_26	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_27	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_28	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_29	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_30	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_31	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_32	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_33	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_34	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_35	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_36	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_37	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00	0.000000e+00
sol_alb_3_38	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_aws_1_01	1.090710e-04	8.116670e-05	7.448720e-05		4.729490e-05	6.528840e-06		-6.358650e-04
sol_aws_1_02	6.663140e-04	-9.881600e-04	7.497120e-04		-8.381830e-04	3.141670e-05		9.965960e-03
sol_aws_1_03	3.776730e-03	-3.598050e-03	3.861570e-03		-3.244120e-03	-3.968910e-05		3.199570e-02
sol_aws_1_04	5.878210e-05	5.580130e-06	5.596150e-05		4.564100e-06	1.228850e-05		-7.525640e-05
sol_aws_1_05	5.536540e-04	-4.734360e-04	7.110900e-04		-3.607920e-04	-5.481310e-05		3.936610e-02
sol_aws_1_06	1.480740e-03	6.252560e-05	1.394680e-03		-1.318240e-04	4.502880e-05		-4.971700e-03
sol_aws_1_07	1.208490e-03	-1.681150e-04	1.242050e-03		-5.310990e-04	-5.790510e-05		-1.548260e-02
sol_aws_1_08	3.368590e-05	3.522440e-06	4.153850e-05		2.519230e-06	-6.057690e-06		1.037820e-04
sol_aws_1_09	1.301280e-05	-2.704490e-05	6.650640e-05		-1.491990e-05	-4.653530e-05		9.450640e-04
sol_aws_1_10	1.131410e-05	-6.378210e-07	1.080130e-05		2.147440e-07	4.163460e-06		1.553530e-04
sol_aws_1_11	4.841990e-04	-5.658650e-05	4.850000e-04		-6.688780e-05	4.637980e-05		-1.408650e-04
sol_aws_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 ratio	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