Table summary of input data, ELM v2.8.6 CERP ASR Project. Lists all input data files used to run an ELM simulation, indicating the filename, brief description, whether it is common to all base & alt simulations, and notes on its use in ASR project. Most data remain the same as ELM v2.8.3/v2.8.4, except where noted in red font.

| Type | Input filename | Description | Common or unique among simulations | Data description - red fields indicate new graphic available |
|---|---|---|---|---|
| Model domains | | | | |
| | ModArea (map) | Define spatial domain | common | ELM v2.5/v2.8.6 documentation |
| | gridmapping.txt | Link coarse (SFWMM) grids to fine grids | common | ELM v2.5/v2.8.6 documentation |
| Initial condition maps | | | | |
| | icSfWt | Initial surface water | common | ASR map; from SFWMM Jan 1, 1974 |
| | icUnsat | Initial unsaturated water | common | ASR map; from SFWMM Jan 1, 1974 |
| | Elevation | Initial land elevation | common | Decomp map; ELM v2.8.3 documentation (but using NGVD'29 version) |
| | Bathymetry | Initial (and constant) creek bathymetry | common | Decomp map; ELM v2.8.3 documentation (but using NGVD'29 version) |
| | soilBD | Initial (and constant) soil bulk density | common | Decomp map; 2003 data in WCA3; ca. 1995 elsewhere |
| | soil_orgBD | Initial (and constant) soil organic bulk density | common | Decomp map; 2003 data in WCA3; ca. 1995 elsewhere |
| | soilTP | Initial soil phosphorus | common | Decomp map; 2003 data in WCA3; ca. 1995 elsewhere; 5-yr spinup |
| | HAB | Initial habitat type | common | Decomp map; 2004 data in WCA3; ca. 1995 elsewhere; succession is OFF |
| | icMacBio | Initial total macrophyte biomass | common | Decomp map; ELM v2.8.3 documentation; 5-yr spinup |
| Boundary conditions | | | | |
| | BoundCond (map) | Grid cells allowing boundary flows | common | ELM v2.5/v2.8.3 documentation |
| | BoundCond_stage.BIN | Boundary stage spatial time series (SFWMM) | depends, may be unique to each base/alt | SFWMM v5.4 daily output |
| | rain.BIN | Rainfall spatial time series | common | SFWMM v5.4/6.0 daily input |
| | ETp.BIN | Potential ET spatial time series | common | SFWMM v5.4/6.0 daily input |
| | AtmosPdepos | (optional) map, total atmospheric P deposition | common | ELM v2.5/v2.8.3 documentation |
| | AtmosCLdepos | (optional) map, total atmospheric Cl deposition | common | ELM v2.5/v2.8.3 documentation |
| | AtmosSO4depos | (optional) map, total atmospheric SO4 deposition | common | ELM v2.8.6 documentation |
| | CanalData.struct_wat | Structure: water flow point time series | unique to each base/alt | SFWMM v5.4 daily output |
| | CanalData.struct_TS | Structure: sulfate conc. point time series | unique to each base/alt | Boundary conditions generated with multiple methods, incl. SMSTA (see web pg) |
| | CanalData.graph | Recurring annual point time series of tidal stage | common | ELM v2.5/v2.8.3 documentation |
| Static attributes | | | | |
| | CanalData.chan | Canal/levee parameters/locations | depends, may be unique to each base/alt | See web page for maps of 2050B2 and CERP0 canals |
| | CanalData.struct | Water control structure attributes (incl. inflow P conc.) | depends, may be unique to each base/alt | See web page for dbase export of 2050B2 and CERP0 water control structures |
| | basins (map) | Basin/Indicator Region locations | common (but Decomp PDT is not using) | N/A |
| | basinIR | Basin/Indicator Region hierarchy | common | N/A |
| | GlobalParms_NOM | Parameters: global | common | ELM v2.5/v2.8.3 documentation |
| | HabParms_NOM | Parameters: habitat-specific | common | ELM v2.5/v2.8.3 documentation |
| | soil_SO4SetVel (map) | Parameters: SO4 settling velocity | common | ASR map |
| | HydrCond (map) | Parameters: hydraulic conductivity | common | ELM v2.5/v2.8.3 documentation |