|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Function | GSFLOW | PRMS | MODFLOW | MODSIM-  GSFLOW | MODSIM-  PRMS | MODSIM-  MODFLOW | MODSIM |
| dynamic params | X | X |  | X | X |  |  |
| Water Use: canopy, DPRST, CPR, internal, external |  |  |  |  |  |  |  |
| Water Use: lakes, streams |  | X |  |  |  |  |  |
| LMG, GFD, GWT, GMG, GWM, CFP, PCGN, FMP, GFB |  |  |  |  |  |  |  |
| DRN, RIV, EVT, RCH, RES, STR, IBS, OBS (DRN, RIV, STR), ETS, DRT, HYD, SUB, SWR |  |  | X |  |  | X |  |
| BAS, BCF, CHD, FHB, GAG, GHB, HFB, HUF, LAK, LPF, MNW1, MNW2, SFR, SWI, SWT, UPW, UZF, HUF, LMT, NWT, OBS (BAS, CHD, GHB) , PCG, SIP | X |  | X | X |  | X |  |
| Restart | X | X | X | X | X | X |  |
| PRMS lakes, multiple HRUs |  | not yet |  |  | not yet |  |  |
| PRMS lakes, single HRUs |  | X |  |  |  |  |  |
| SNTEMP |  | X |  |  |  |  |  |
| Frozen Ground | X | X |  |  | X |  |  |
| PET: JH, PT, PM, PM\_sta, HS, PAN, specified | X | X |  | X | X |  |  |
| CLIMATE: 1sta, laps, IDE, XYZ, specified, gridded, dist2 |  |  |  |  |  |  |  |
| PRMS summary: nhru, nsub, basin, map\_results | X | X |  | X | X |  |  |
| PRMS CSV file, basin\_sum |  | X |  |  | X |  |  |
| GW/SW interaction | X |  | X | X |  | X |  |
| GW/SW/Lake interaction | X | X | X | X |  | X |  |
|  |  |  |  |  |  |  |  |