



| Stage | Input                  | Output    | Fracture Saturation |
|-------|------------------------|-----------|---------------------|
| S1    | no precipitation       | no flow   | unsaturated         |
| S2a   | precipitation          | no flow   | partially saturated |
| S2b   | possible precipitation | base flow | partially saturated |
| S3    | possible precipitation | discharge | fully saturated     |