

#### RUN #4

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STAND-DATE: sta22222222_1969_0214
DATA DIR: d:\jvrtabel\SWAP\UNIT\precip_loss_optimization\toweb\BOTW\EXAMPLE003
AREA [mi2] ..... PRECIPITATION ..... 1.94
----- TOTAL RAIN VOLUME [inches] ..... 1.2333
EXCESS RAIN VOLUME [inches] ..... 0.71044
PERCENT RAIN VOLUME LOSS ..... 42.3965
----- MEAN OBS Q [CFS] ..... 37.3791
MEAN SIM Q [CFS] ..... 36.8326
RMS Q RESIDUALS [CFS] ..... 47.1294
Q RELATIVE BIAS ..... -0.014619
Q NASH-SUTCLIFFE EFFICIENCY ..... -0.48799
Q SIM vs OBS R2 ..... 0.549
Q SIM vs OBS SLOPE ..... 0.42119
Q SIM vs OBS INTERCEPT ..... 21.8656
----- VOLUME
MEAN OBS V [CFS] ..... 0.42808
MEAN SIM V [CFS] ..... 0.50599
RMS V RESIDUALS [CFS] ..... 0.12147
V RELATIVE BIAS ..... 0.182
V NASH-SUTCLIFFE EFFICIENCY ..... 0.81219
V SIM vs OBS R2 ..... 0.8951
V SIM vs OBS SLOPE ..... 0.91346
V SIM vs OBS INTERCEPT ..... -0.034122
----- OPTIMIZATION RESULTS
SIM/OBS TOTAL VOLUME RATIO ..... 0.98751
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 641920.1333
Copt: 0.39915

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#### PRECIP LOSS FUNCTION: $P_{xs}(t) = \text{init.abs. then prop.loss}$

