

### RUN #3

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STATION-DATE: sta22222222_1968_0709
DATA DIR: d:\jvrtabel\SWAP\UNIT\precip_loss_optimization\toweb\BOTIN\EXAMPLE
AREA [mi2] ..... PRECIPITATION ..... 1.94
----- TOTAL RAIN VOLUME [inches] ..... 6.2667
EXCESS RAIN VOLUME [inches] ..... 2.6397
PERCENT RAIN VOLUME LOSS ..... 57.8765
----- DISCHARGE
MEAN OBS Q [CFS] ..... 170.2986
MEAN SIM Q [CFS] ..... 136.8556
RMS Q RESIDUALS [CFS] ..... 78.7578
Q RELATIVE BIAS ..... -0.19638
Q NASH-SUTCLIFFE EFFICIENCY ..... 0.91166
Q SIM vs OBS R2 ..... 0.93161
Q SIM vs OBS SLOPE ..... 0.93839
Q SIM vs OBS INTERCEPT ..... 41.8745
----- VOLUME
MEAN OBS V [CFS] ..... 1.7867
MEAN SIM V [CFS] ..... 1.5145
RMS V RESIDUALS [CFS] ..... 0.38637
V RELATIVE BIAS ..... -0.15238
V NASH-SUTCLIFFE EFFICIENCY ..... 0.92919
V SIM vs OBS R2 ..... 0.99002
V SIM vs OBS SLOPE ..... 1.1919
V SIM vs OBS INTERCEPT ..... -0.018389
----- OPTIMIZATION RESULTS
SIM/OBS TOTAL VOLUME RATIO ..... 0.80318
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 1792605.5935
Copt: 2.4923 0.69938

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

