

RUN #3

```

START-DATE: sta22222222_1968_0709
DATA DIR: d:\jvrtabel\SWAP\UNIT\precip_loss_optimization\toweb\BOTN\EXAMPLE
AREA [mi2] ..... PRECIPITATION ..... 1.94
----- TOTAL RAIN VOLUME [inches] ..... 6.2667
EXCESS RAIN VOLUME [inches] ..... 2.6347
PERCENT RAIN VOLUME LOSS ..... 57.9563
----- DISCHARGE
MEAN OBS Q [CFS] ..... 170.2986
MEAN SIM Q [CFS] ..... 136.5968
RMS Q RESIDUALS [CFS] ..... 96.1345
Q RELATIVE BIAS ..... -0.1979
Q NASH-SUTCLIFFE EFFICIENCY ..... 0.86838
Q SIM vs OBS R2 ..... 0.9029
Q SIM vs OBS SLOPE ..... 0.87526
Q SIM vs OBS INTERCEPT ..... 50.741
----- VOLUME
MEAN OBS V [CFS] ..... 1.7867
MEAN SIM V [CFS] ..... 1.512
RMS V RESIDUALS [CFS] ..... 0.39036
V RELATIVE BIAS ..... -0.15373
V NASH-SUTCLIFFE EFFICIENCY ..... 0.92772
V SIM vs OBS R2 ..... 0.98781
V SIM vs OBS SLOPE ..... 1.186
V SIM vs OBS INTERCEPT ..... -0.0066389
----- OPTIMIZATION RESULTS
SIM/OBS TOTAL VOLUME RATIO ..... 0.80166
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 2670891.7744
Copt: 2.6901 0.021438

```

PRECIP LOSS FUNCTION: P_{xs}(t) = init.abs. then const.loss

