

RUN #3

```

STAND-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] ..... 3.2475
PERCENT RAIN VOLUME LOSS ..... 48.1786
----- DISCHARGE
----- MEAN OBS Q [CFS] ..... 170.2986
MEAN SIM Q [CFS] ..... 168.3639
RMS Q RESIDUALS [CFS] ..... 115.8945
Q RELATIVE BIAS ..... -0.011361
Q NASH-SUTCLIFFE EFFICIENCY ..... 0.80871
Q SIM vs OBS R2 ..... 0.9142
Q SIM vs OBS SLOPE ..... 0.74649
Q SIM vs OBS INTERCEPT ..... 44.6162
----- VOLUME
----- MEAN OBS V [CFS] ..... 1.7867
MEAN SIM V [CFS] ..... 1.8755
RMS V RESIDUALS [CFS] ..... 0.19147
V RELATIVE BIAS ..... 0.049688
V NASH-SUTCLIFFE EFFICIENCY ..... 0.98261
V SIM vs OBS R2 ..... 0.98745
V SIM vs OBS SLOPE ..... 0.96768
V SIM vs OBS INTERCEPT ..... -0.02816
----- OPTIMIZATION RESULTS
SIM/OBS TOTAL VOLUME RATIO ..... 0.98809
MINIMIZED OBJECTIVE FUNCTION VALUE ..... 3881712.7651
Copt: 2.4104 0.013085

```

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

