RUN #1
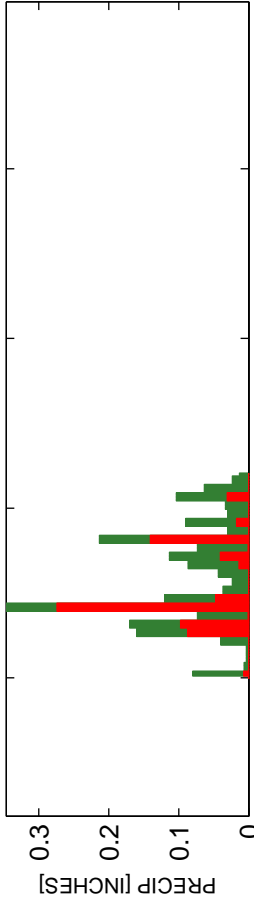
STAID-DATE: stall111111_1968_0709
DATA DIR: d:\jvrabel\SWAP\UNIT\precip_loss_optimization\toWEB\BOTH\EXAMPL
AREA [mi²] 1.33
----- PRECIPITATION -----
TOTAL RAIN VOLUME [inches] 5.8333
EXCESS RAIN VOLUME [inches] 2.2656
PECENT RAIN VOLUME LOSS 61.1611
----- DISCHARGE -----
MEAN OBS Q [CFS] 112.4013
MEAN SIM Q [CFS] 80.5618
RMS Q RESIDUALS [CFS] 155.5721
Q RELATIVE BIAS .... -0.28327
Q NASH-SUTCLIFFE EFFICIENCY 0.30168
Q SIM vs OBS R² 0.45579
Q SIM vs OBS SLOPE 0.65643
Q SIM vs OBS INTERCEPT 59.518
----- VOLUME -----
MEAN OBS V [CFS] 1.9698
MEAN SIM V [CFS] 1.5448
RMS V RESIDUALS [CFS] 0.65264
V RELATIVE BIAS .... -0.21576
V NASH-SUTCLIFFE EFFICIENCY 0.77483
V SIM vs OBS R² 0.93559
V SIM vs OBS SLOPE 1.359
V SIM vs OBS INTERCEPT .... -0.12955
----- OPTIMIZATION RESULTS -----
SIM/OBS TOTAL VOLUME RATIO 0.71672
MINIMIZED OBJECTIVE FUNCTION VALUE . 6994578.0654
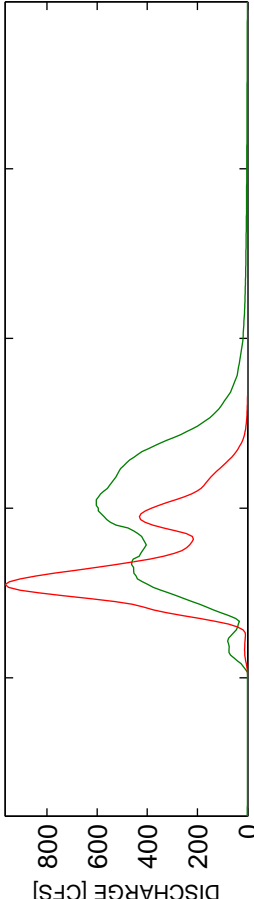C_{opt} : 0.072697

PRECIP LOSS FUNCTION: $L(t) = c_1$

LOSS RATE [INCH/5MIN]
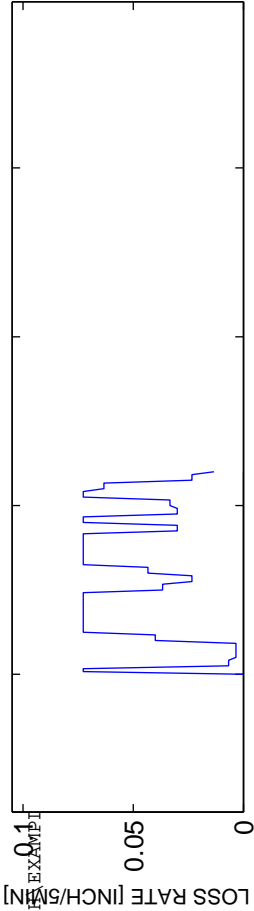
$\Phi = \Sigma(Q_{true} - Q_{est})^2$ (fbnd)

OBS AND MODELED RAINFALL: RAW DATA USED

PRECIP [INCHES]

OBS AND ESTIMATED DISCHARGES

DISCHARGE [CFS]

TIME [HOURS]

DISCHARGE RESIDUALS

$(Q_{true} - Q_{est})$ [CFS]

TIME [HOURS]
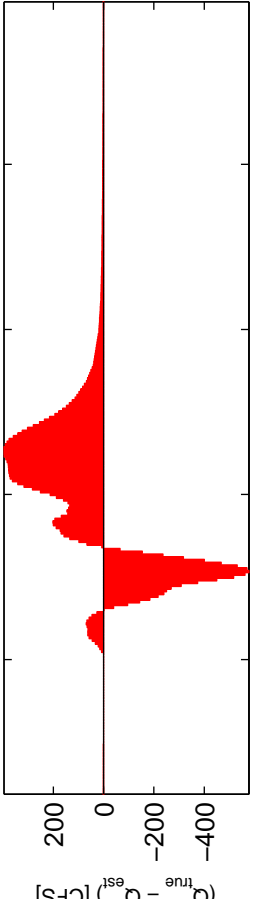
OBS AND ESTIMATED ACCUMULATED VOLUME

VOLUME [INCHES]

TIME [HOURS]
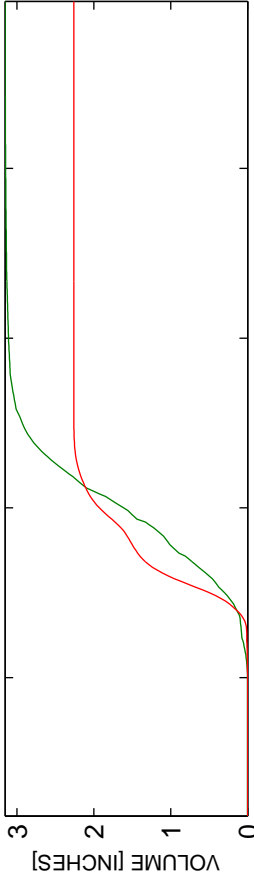
ACCUMULATED VOLUME RESIDUALS

$(VOL_{true} - VOL_{est})$ [INCHES]

TIME [HOURS]