

# RUN #1

STADID-DATE: sta1111111 1968 0709

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STAT-DAT: scalar_1000_0.75
DATA DIR: d:\ivlabel\SWAP\UNIT\precip loss optimization\towEB\BOTH
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AREA [m<sup>2</sup>] 1 33

AREA [MI] ..... 1.33  
----- PRECIPITATION -----

TOTAL RAIN VOLUME [inches]	5.8333
PRECIPITATION	5.8333

TOTAL RAIN VOLUME [inches]	.....	3.86
EXCESS RAIN VOLUME [inches]	.....	3.16

EXCESS RAIN VOLUME [ LICHES ] ..... LOSS  
PERCENT RAIN VOL.TIME LOSS

PERCENT RAIN VOLUME LOSS	..... 43.81
DISCHARGE	-----

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-----DISCHARGE-----
MEAN OBS 0 [CFS]
112 4013
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MEAN OBS	Q [CFS]	.....	112.4015
MEAN STM	Q [CFS]	.....	112 4039

MEAN STM Q [CFS]	.....	112.4039
RMS Q RESIDUALS [CFS]		117.7411

RMS Q RESIDUALS [CFS]	.....	11/7/41
Q RELATIVE PIAC		2 2020-

Q	RELATIVE BIAS	.....	2.303e-
Q	NASH SUTCI TEFF	EFFICIENCY	0.60001

$\bar{Q}$	NASH-SUTCLIFFE	EFFICIENCY	.....	0.60001
C	GEN	CYC	P <sub>2</sub>	0.0070

	Q	SIM	vs	OBS	R <sup>2</sup>	0.8259
					.....	0.8259

Q	SIM vs OBS	SLOPE	.....
Q	SIM vs OBS	INTERCEPT	.....

Q SIM vs OBS INTERCEPT .....	38.596
TOTAL TRANS	

----- VOLUME -----

MEAN OBS V [CFS]	1.9698
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MEAN SIM V [CFS]	.....	1.9655
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RMS V RESIDUALS [CFS]	.....	0.15014
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V RELATIVE BIAS	.....	-0.0021
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V NASH-SUTCLIFFE EFFICIENCY ..... 0.98808

V SIM vs OBS R <sup>2</sup>	0.99105
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V SIM vs OBS SLOPE	.....
V SIM vs OBS SLOPE	.....

V SIM	VS OBS	INTERCEPT	.....	0
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## ----- OPTIMIZATION RESULTS -----

SIM/OBS TOT

**PRECIP LOSS FUNCTION:**  $P_{xs}(t) = P_{tot} - \text{init.abs}(c_1 P_{tot}) [0 \leq c_1 \leq 1]$

