RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	1.17	INCHES
UNIT TIME	60	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.290	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

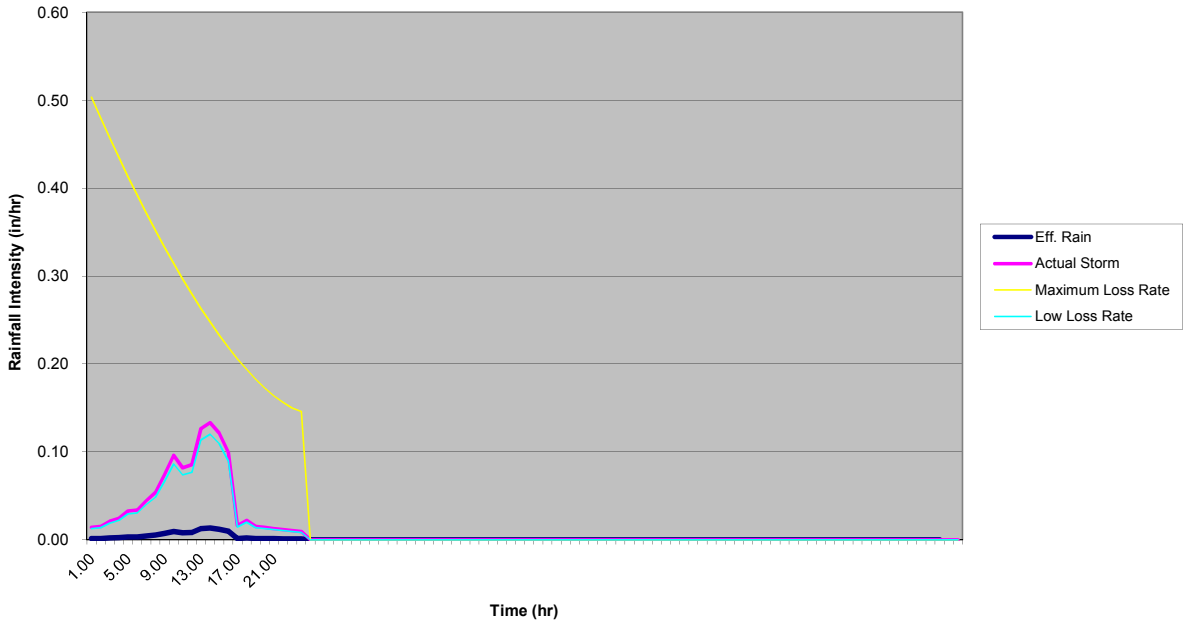
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.012	0.013	0.018	0.021	0.028	0.029	0.038	0.046	0.063	0.082
PI	0.070	0.073	0.108	0.114	0.104	0.085	0.014	0.019	0.013	0.012
PI	0.011	0.010	0.009	0.008						

INPUT FOR THE HEC-1 PB CARD: **0.117** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.99	INCHES
UNIT TIME	60	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.290	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

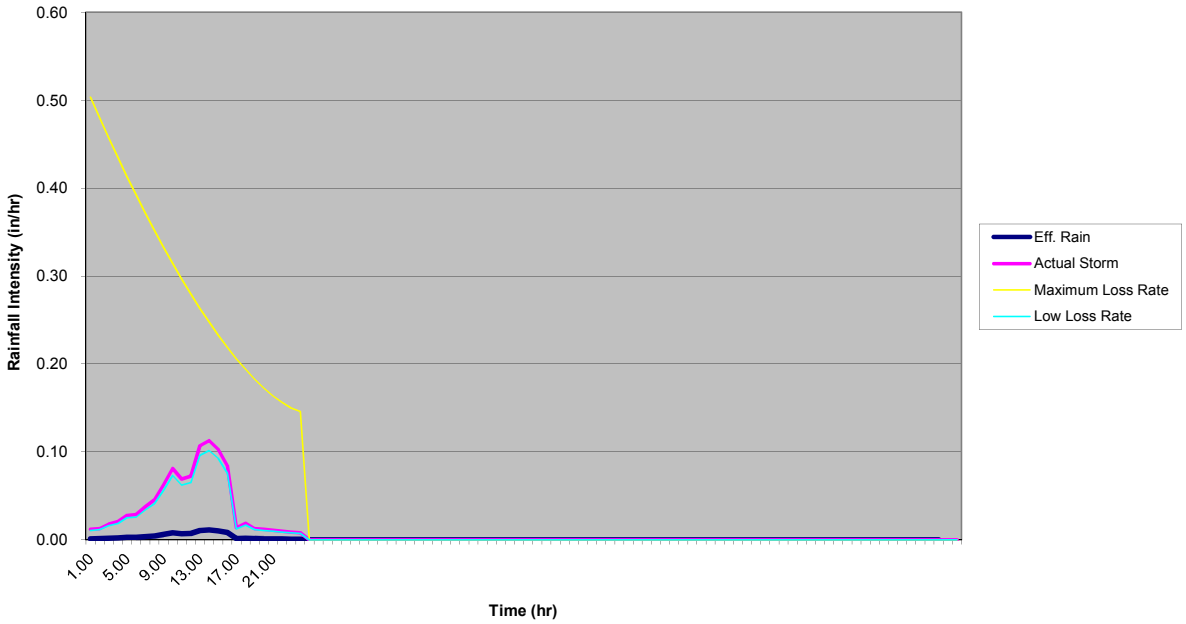
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.012	0.013	0.018	0.021	0.028	0.029	0.038	0.046	0.063	0.082
PI	0.070	0.073	0.108	0.114	0.104	0.085	0.014	0.019	0.013	0.012
PI	0.011	0.010	0.009	0.008						

INPUT FOR THE HEC-1 PB CARD: **0.099** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	1.26	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.260	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

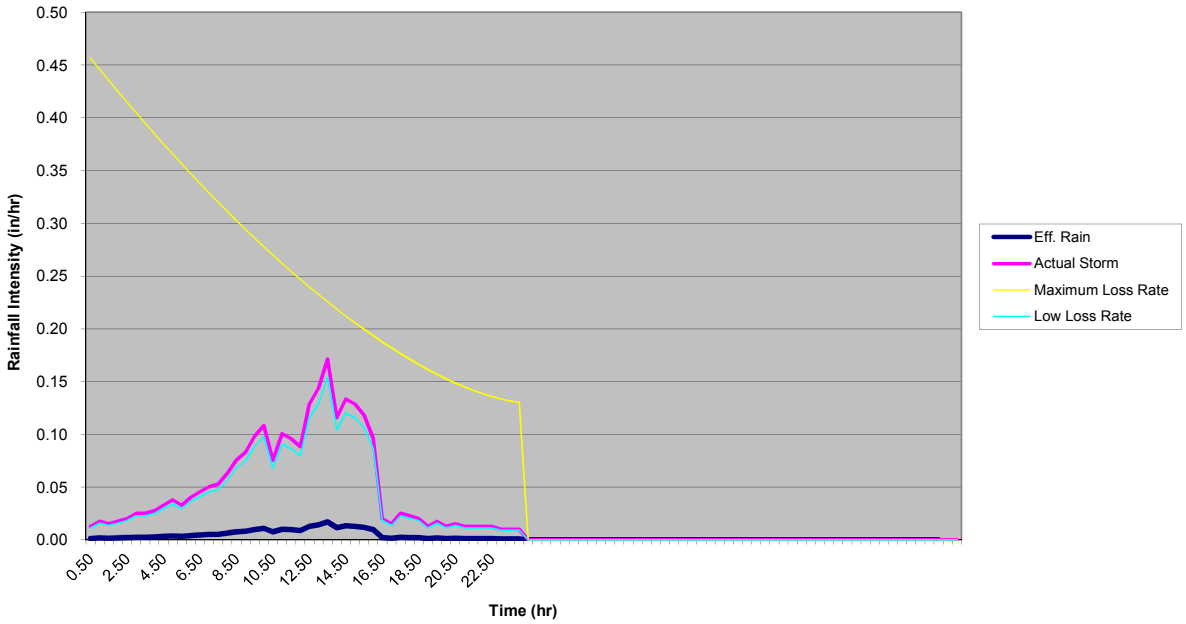
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: **0.126** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.97	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

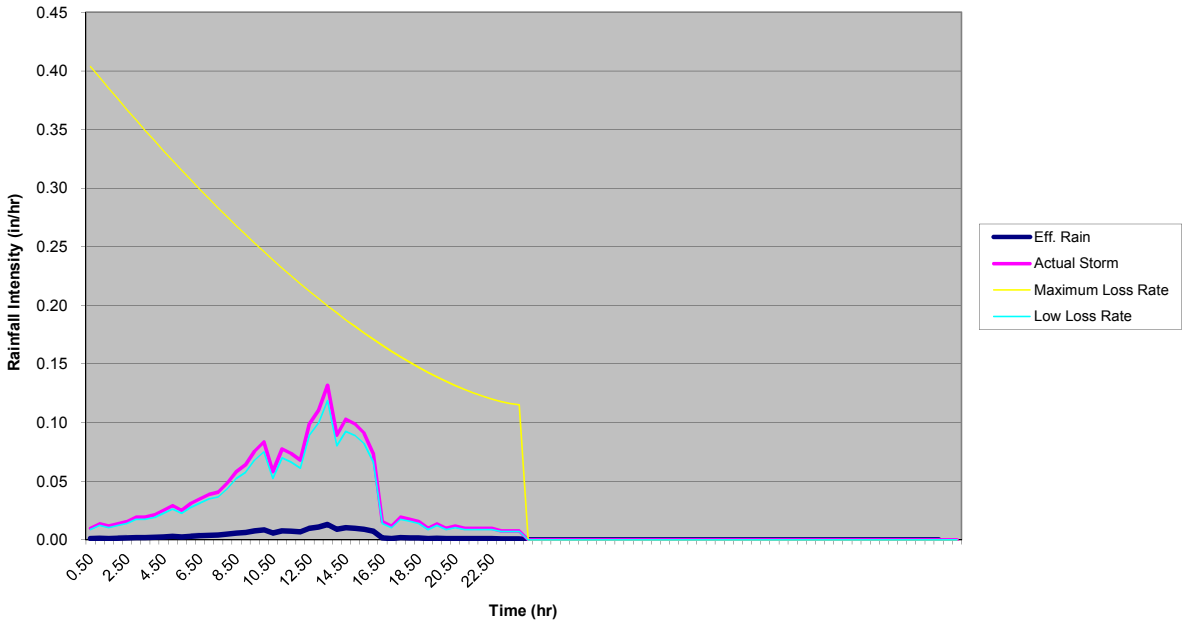
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: **0.097** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	1.33	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

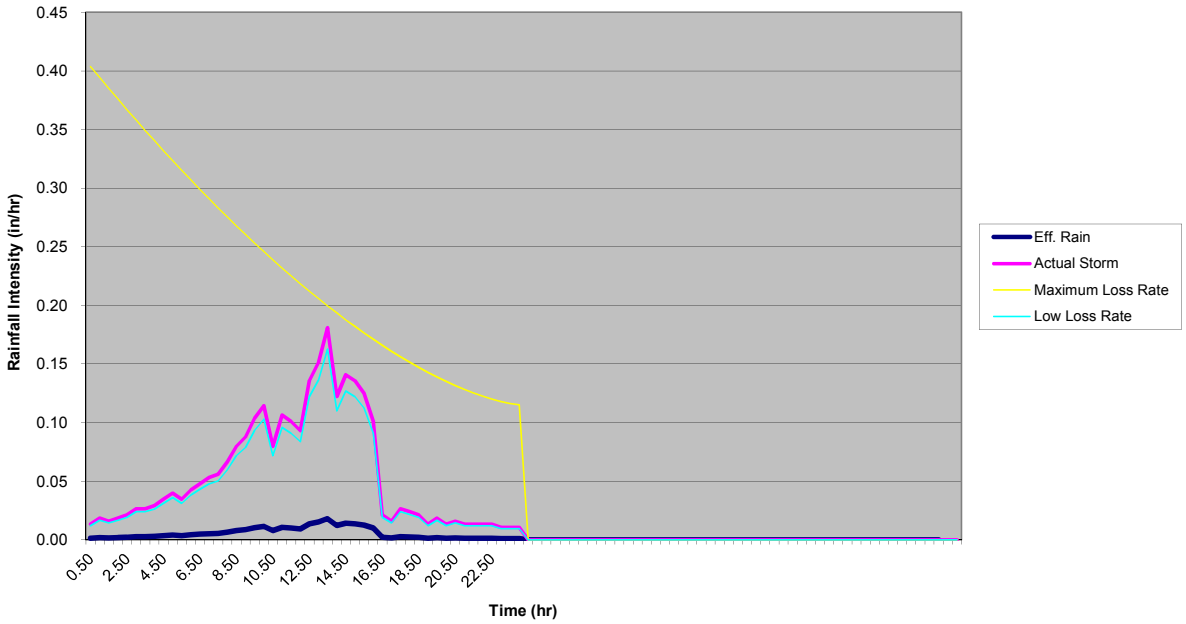
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: 0.133 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	1.11	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.240	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

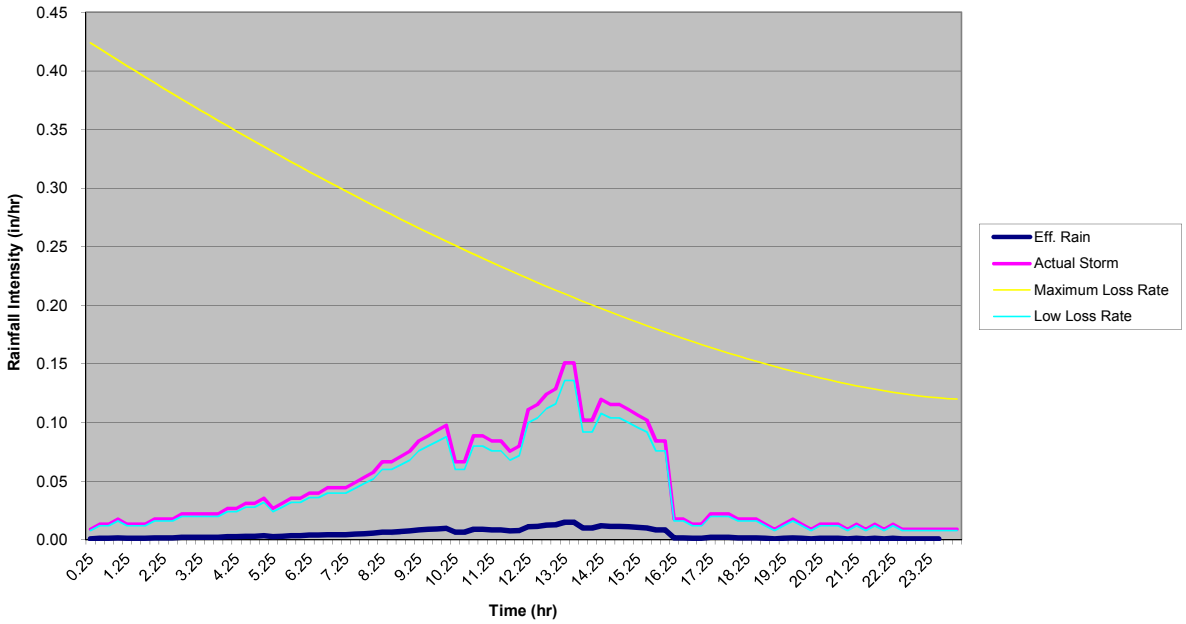
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.111 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	1.13	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.300	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

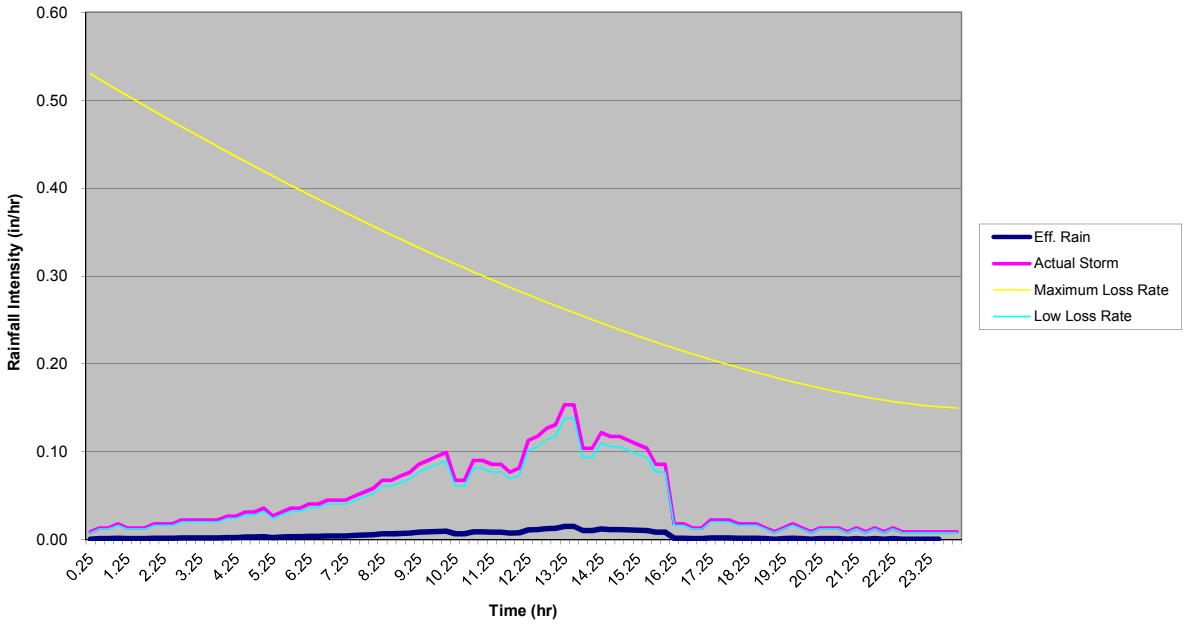
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.113 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.81	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

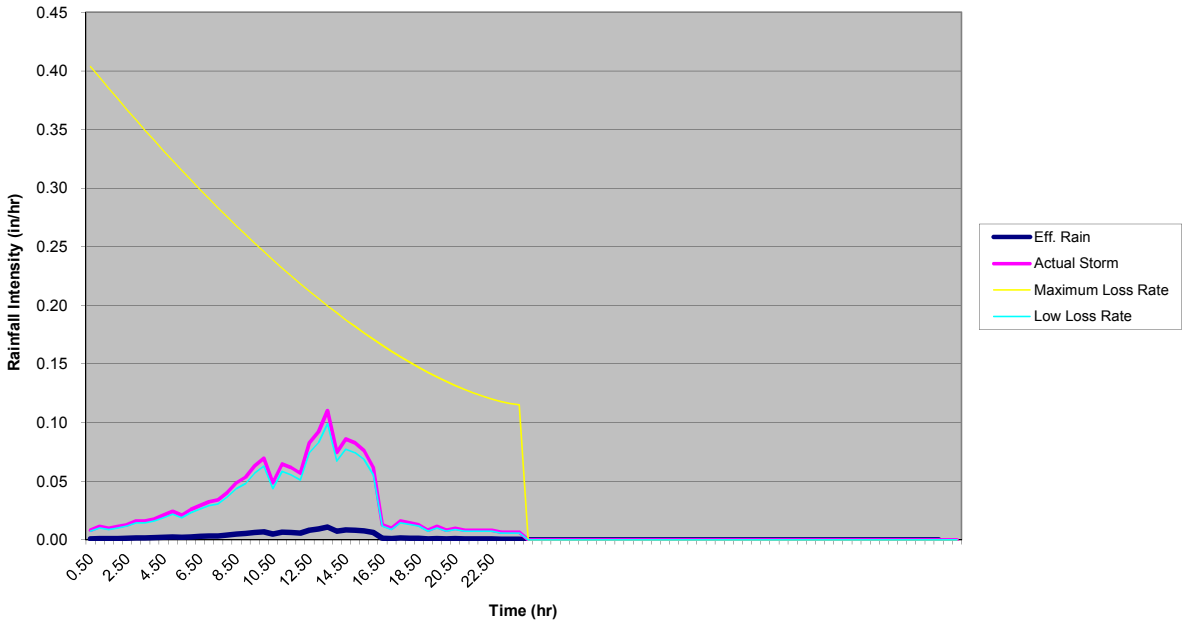
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: 0.081 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.84	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.250	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

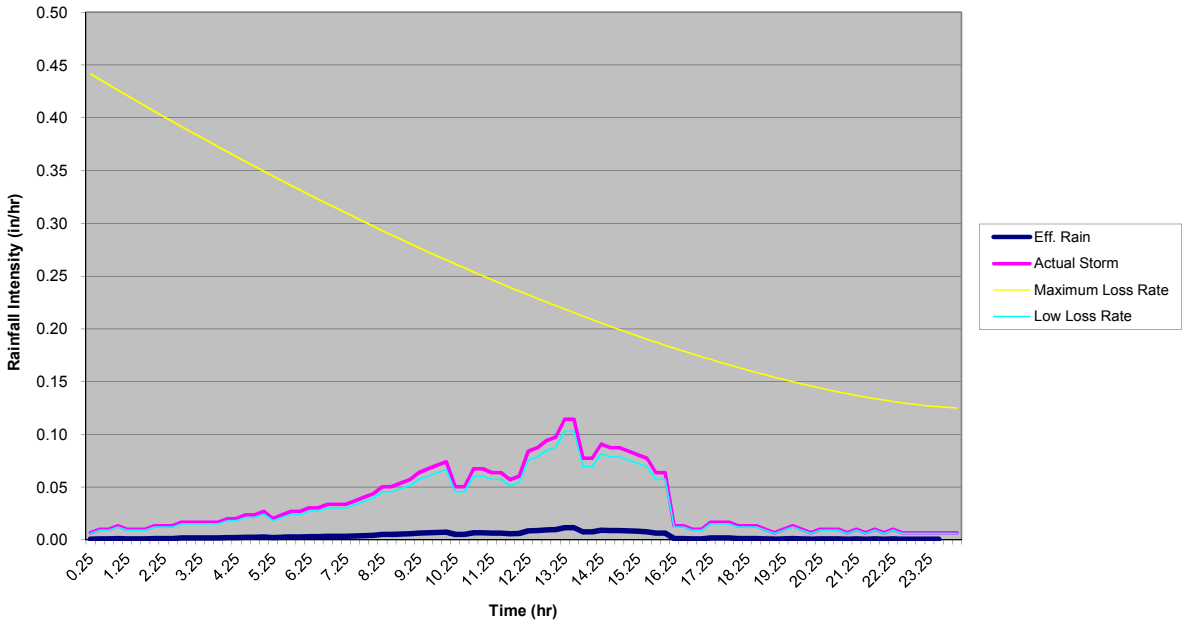
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.084 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.68	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.280	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

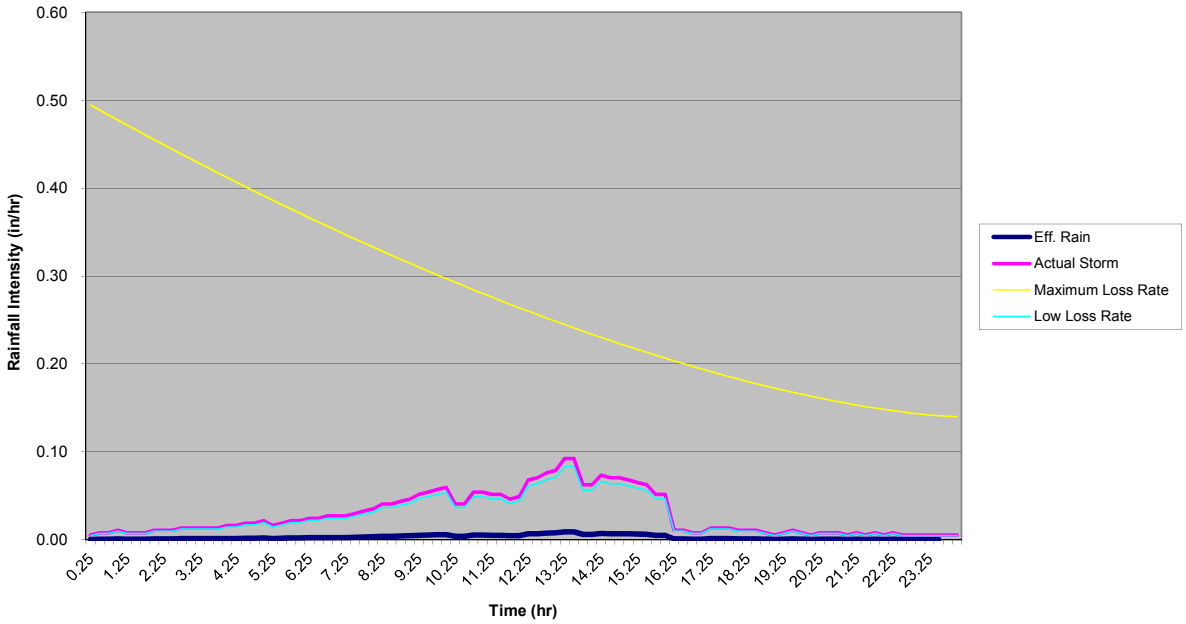
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.068 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.67	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.280	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

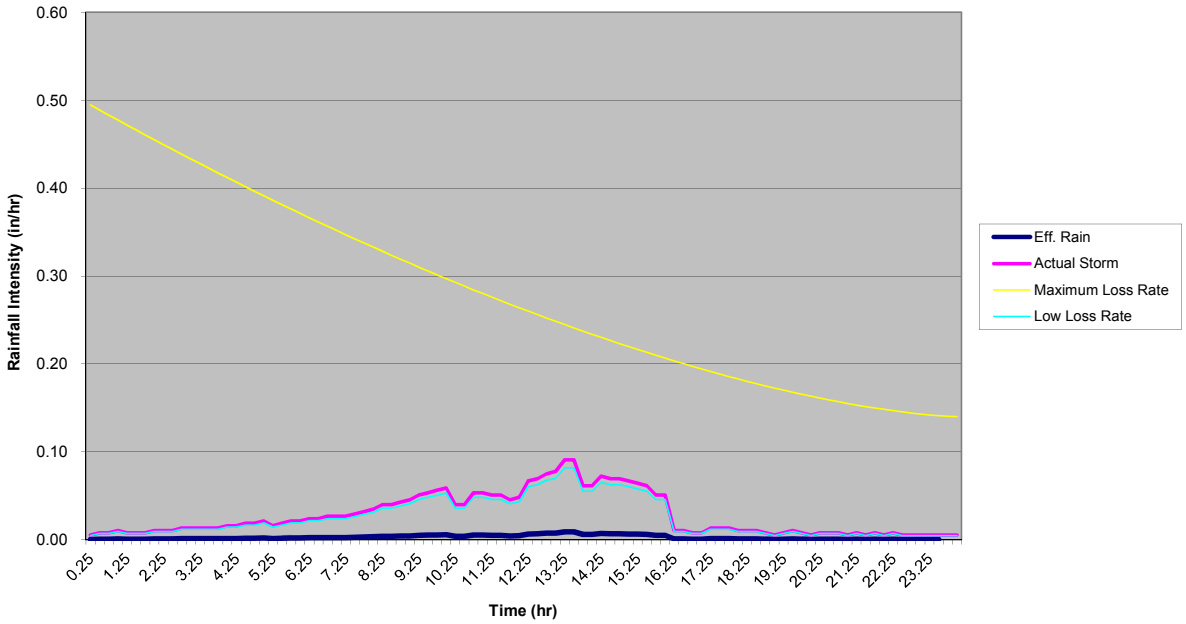
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.067 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.72	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.260	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

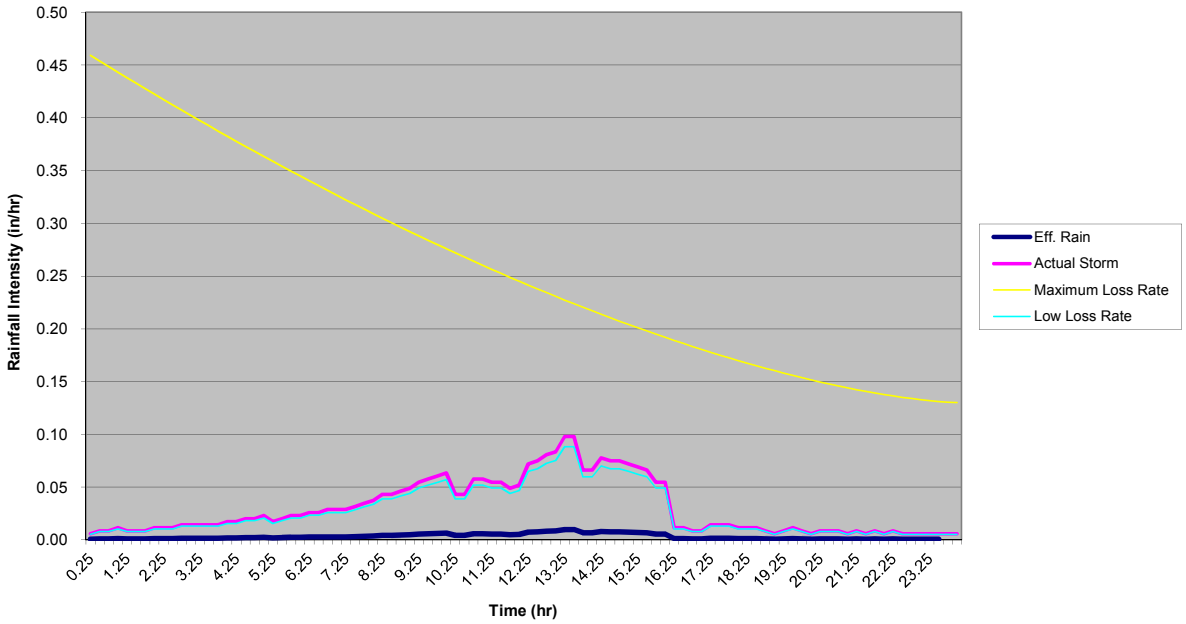
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.072 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.61	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

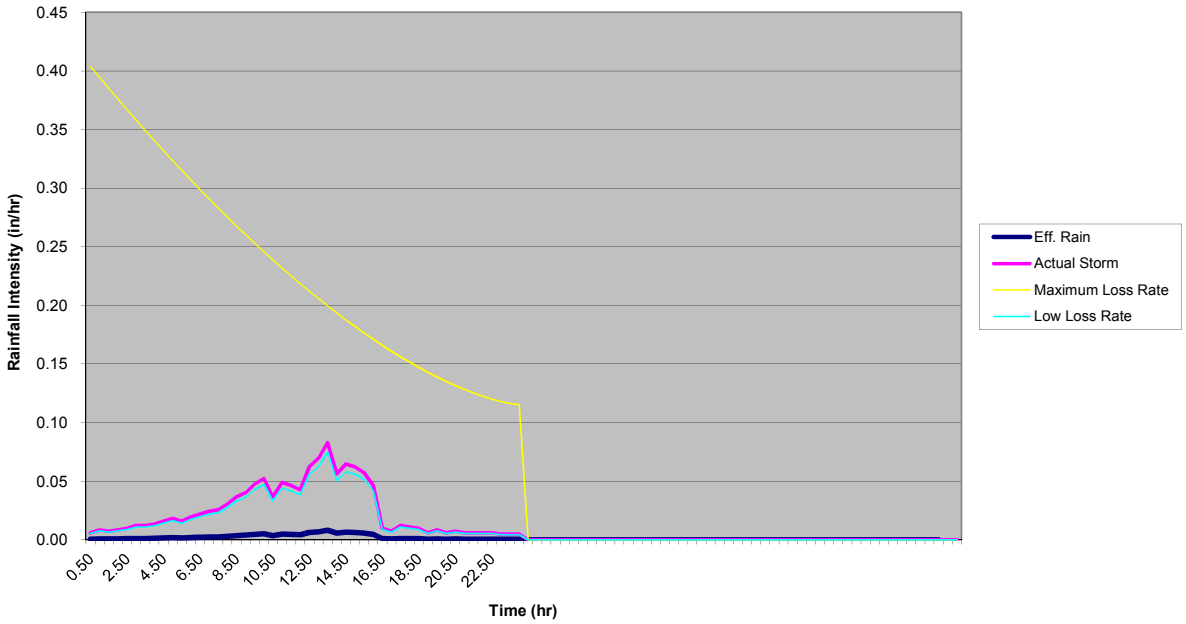
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: 0.061 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.66	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.250	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

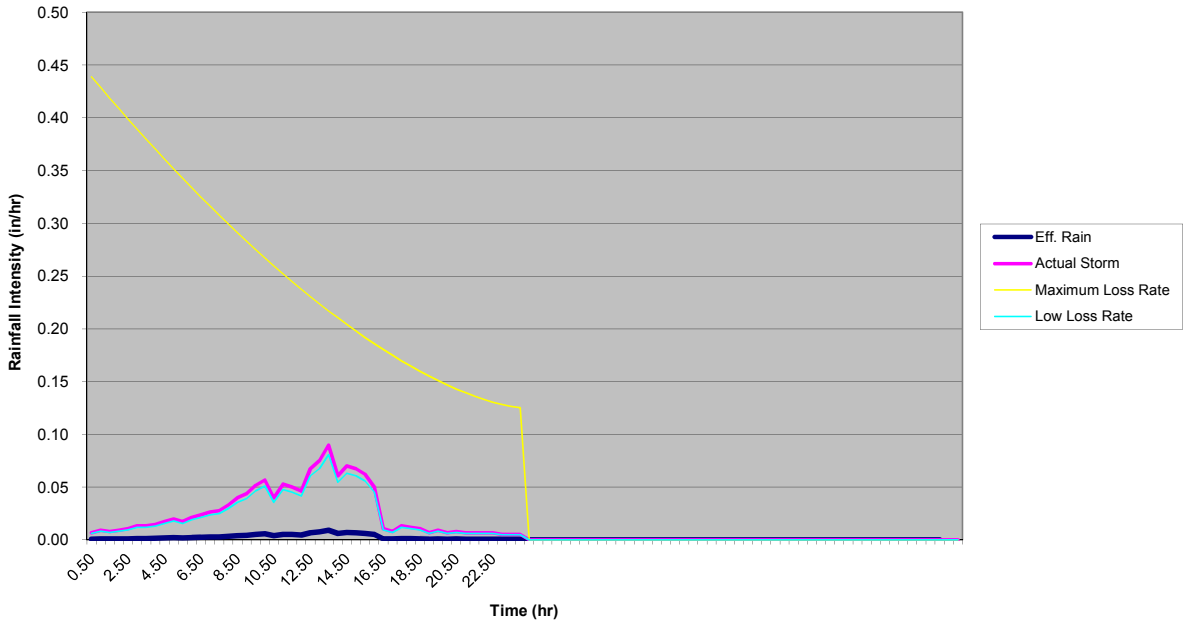
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: **0.066** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.76	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.270	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

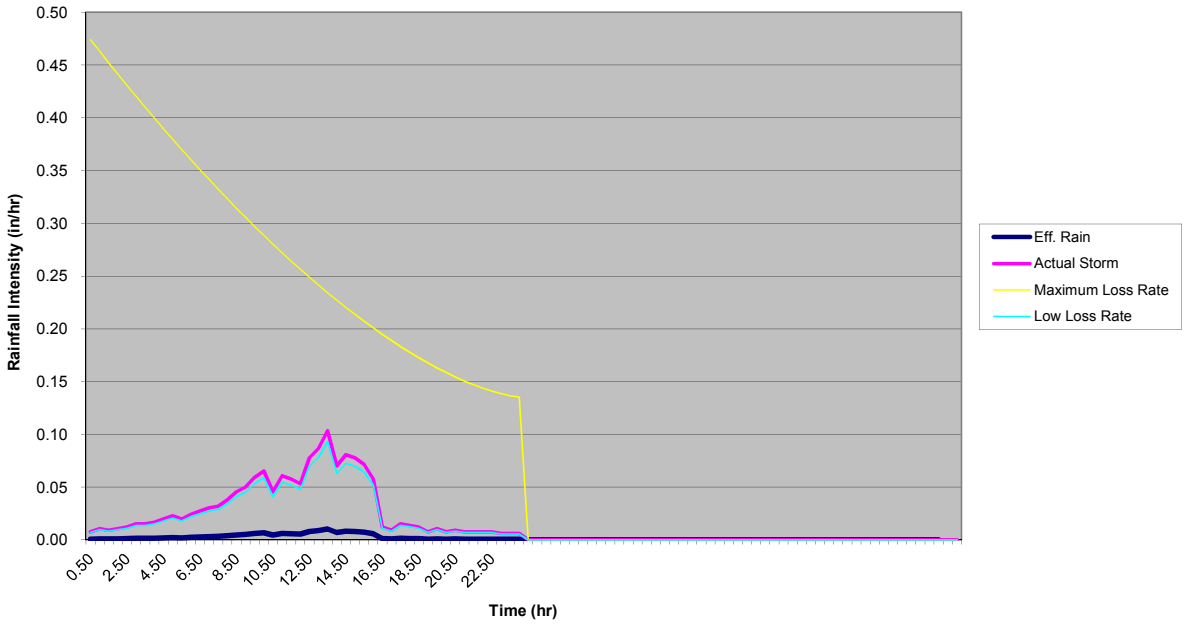
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: **0.076** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.85	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

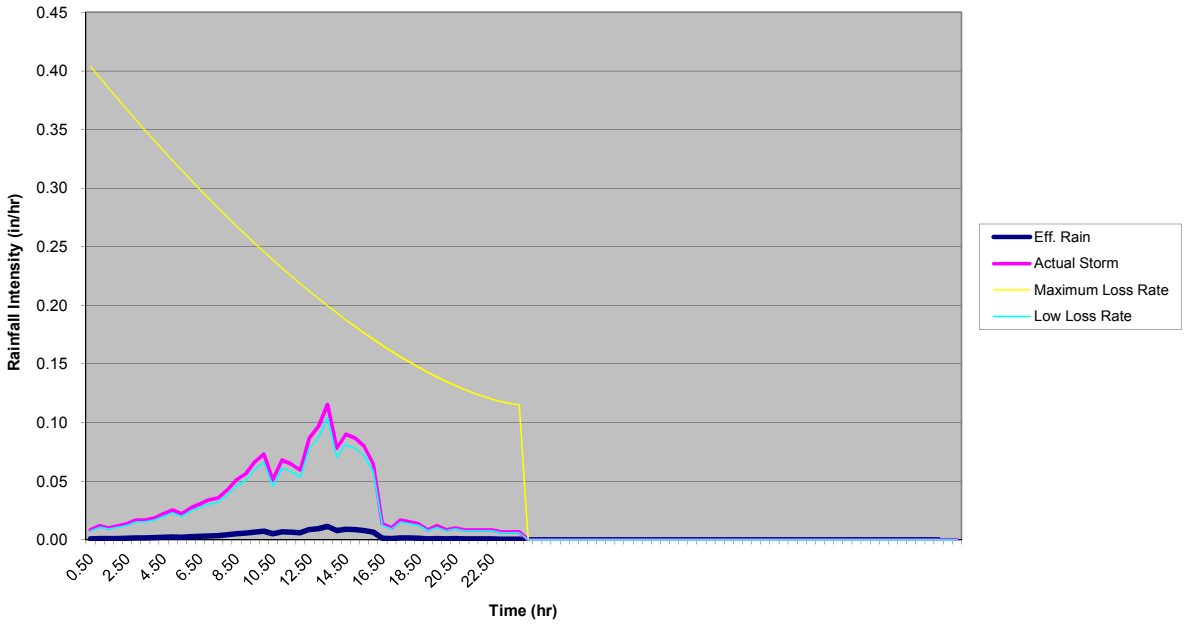
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: 0.085 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.69	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.250	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

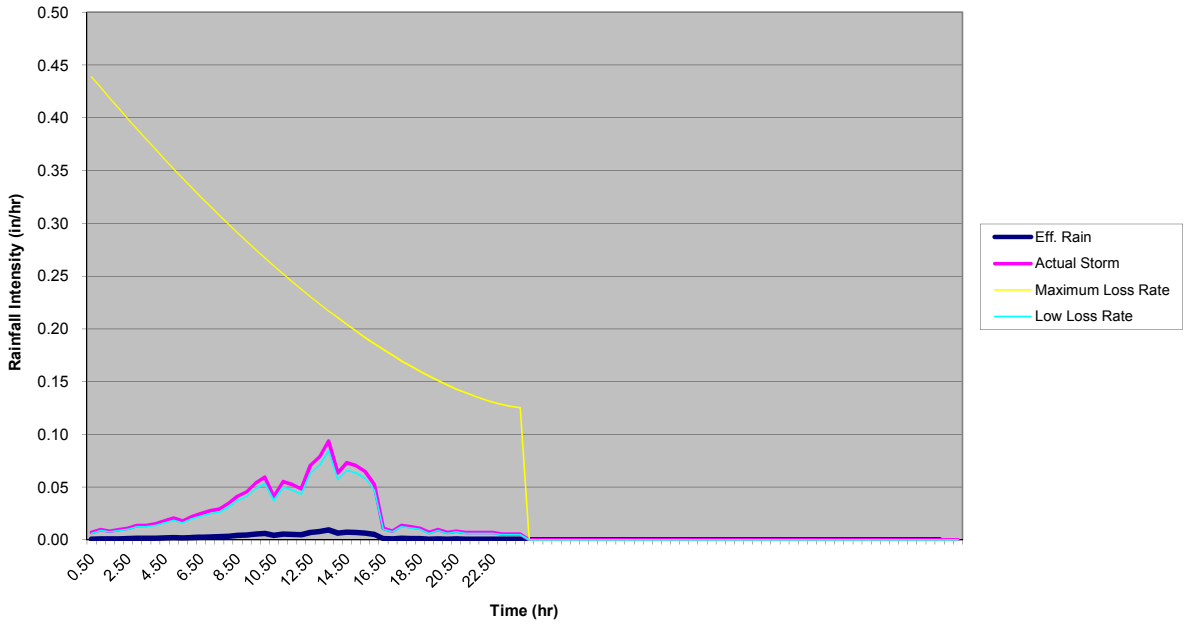
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: **0.069** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.65	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.220	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

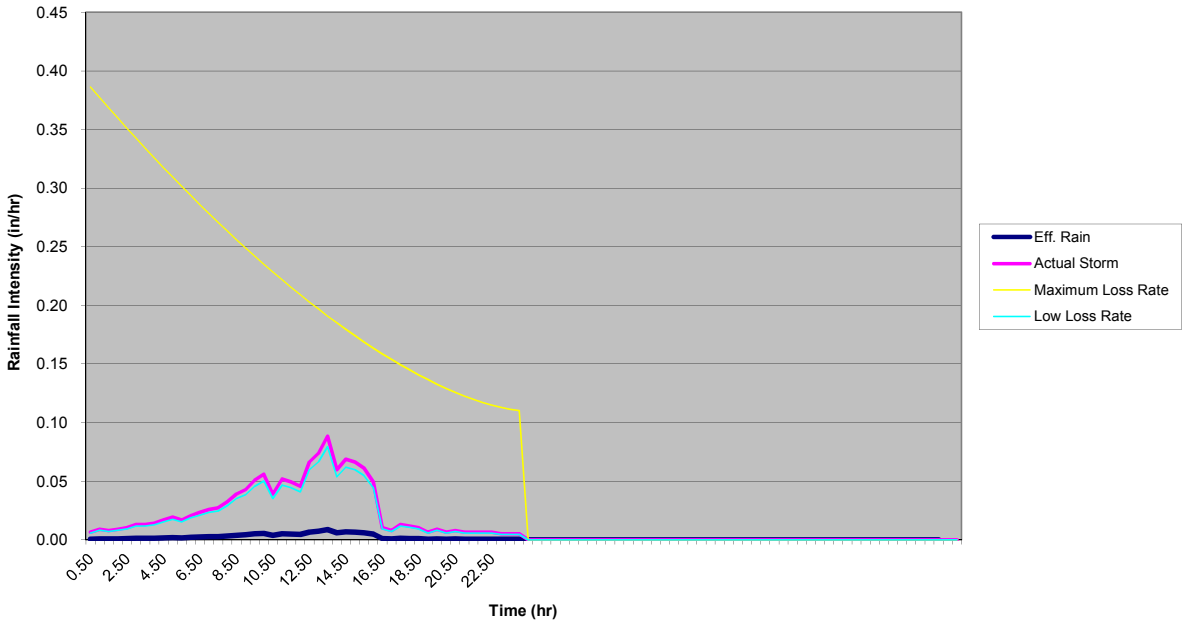
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: **0.065** INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.67	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.250	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

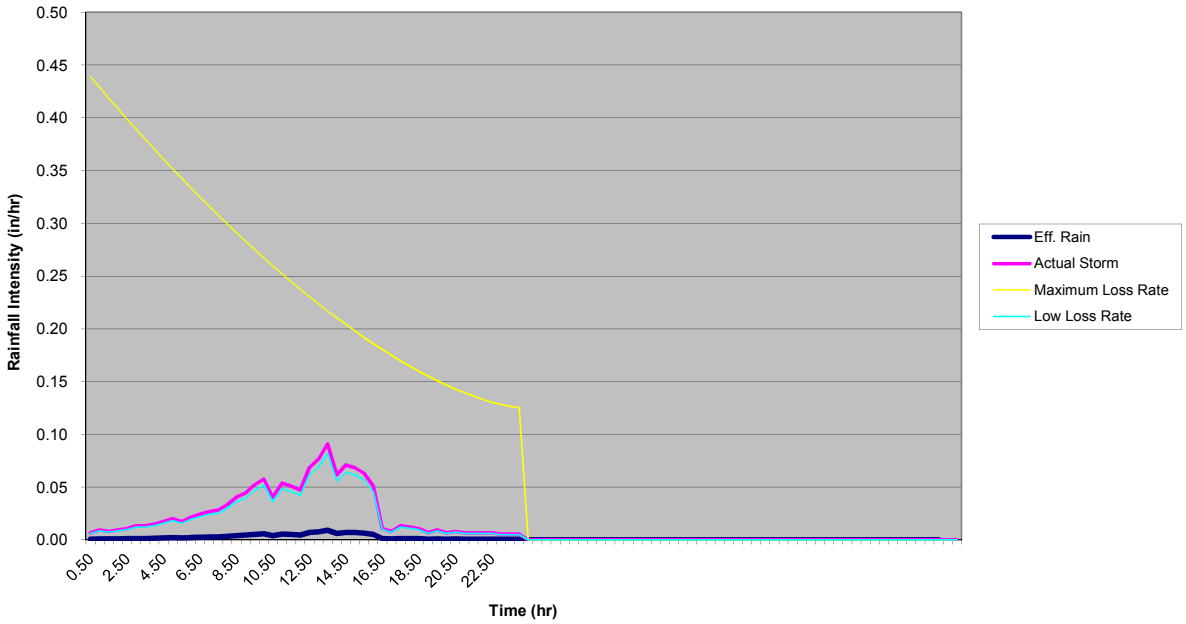
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: 0.067 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.74	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

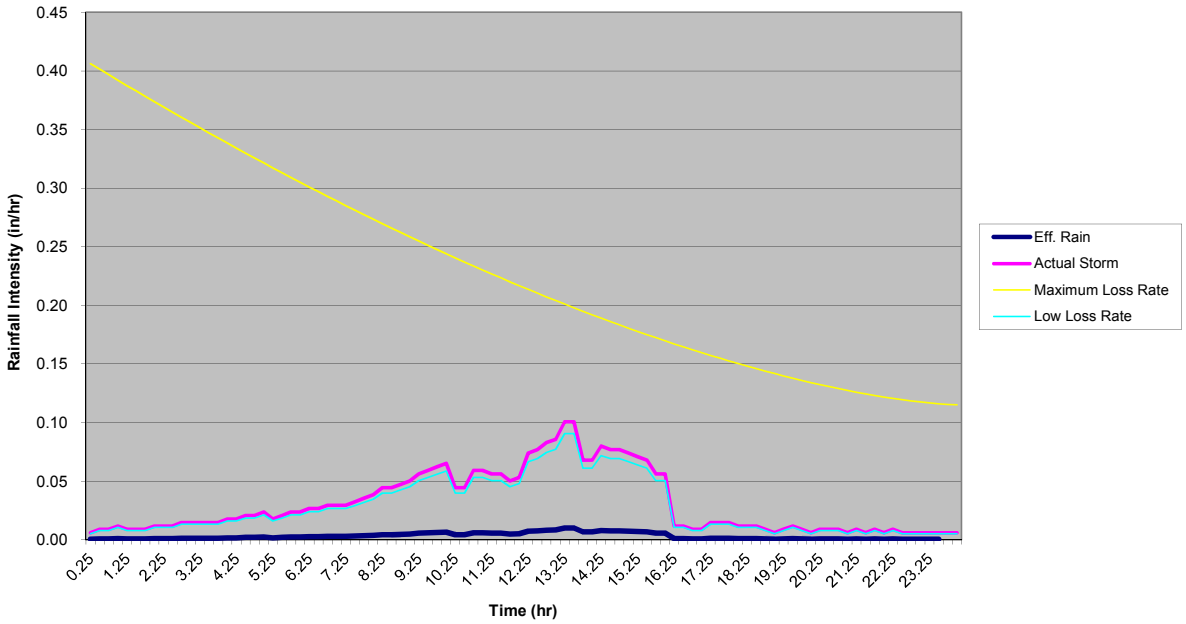
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.074 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.73	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

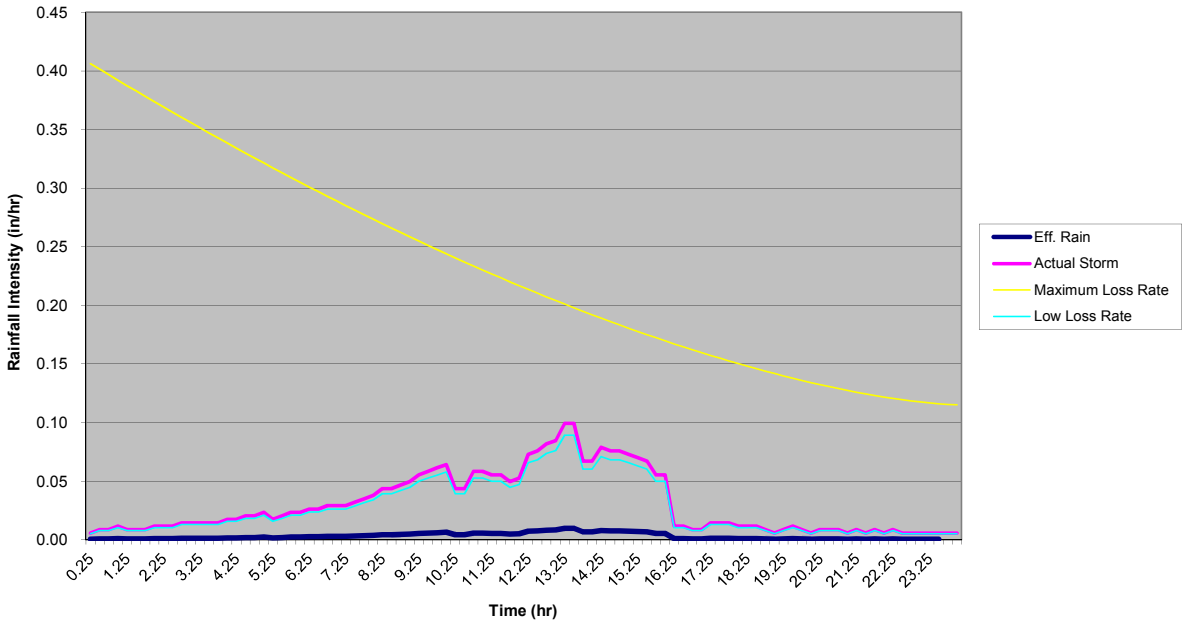
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.073 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

AERIAL ADJUSTED TOTAL STORM RAIN	0.83	INCHES
UNIT TIME	30	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.230	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

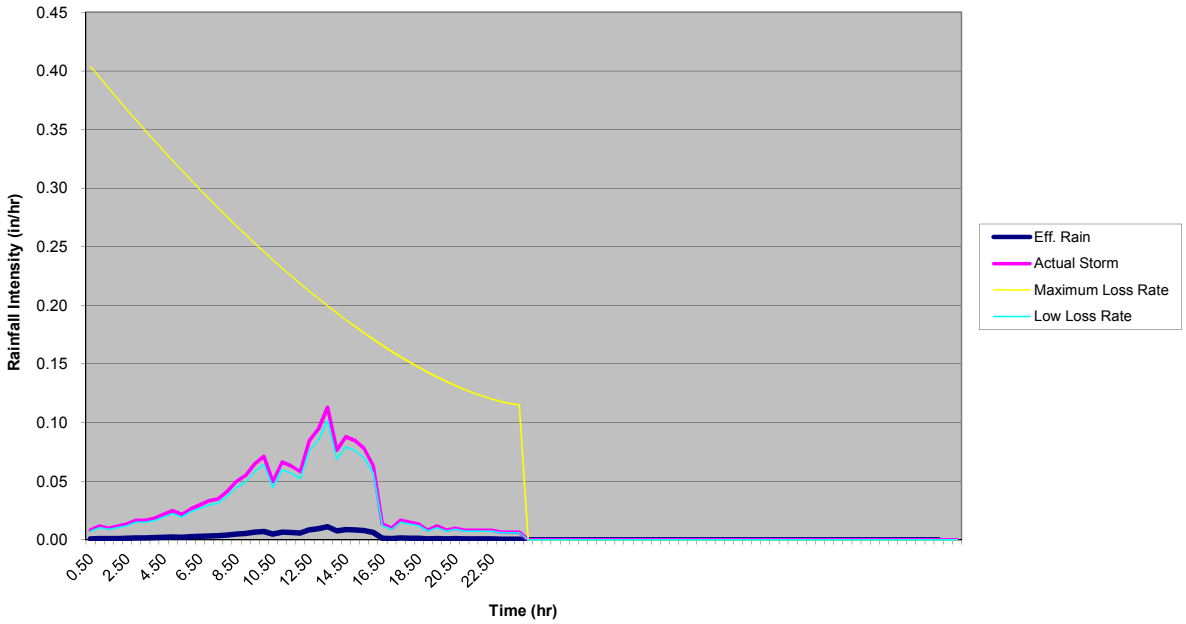
HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.005	0.007	0.006	0.007	0.008	0.010	0.010	0.011	0.013	0.015
PI	0.013	0.016	0.018	0.020	0.021	0.025	0.030	0.033	0.039	0.043
PI	0.030	0.040	0.038	0.035	0.051	0.057	0.068	0.046	0.053	0.051
PI	0.047	0.038	0.008	0.006	0.010	0.009	0.008	0.005	0.007	0.005
PI	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004		

INPUT FOR THE HEC-1 PB CARD: 0.083 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall



RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT

24-HOUR STORM EFFECTIVE RAINFALL

-THE PROVIDED INPUT CALCULATES THE EFFECTIVE RAINFALL PATTERN AND TOTAL STORM EFFECTIVE RAINFALL VALUES FOR THE HEC-1 PI & PB CARDS, ACCOUNTING FOR THE VARIABLE LOSS RATES CALLED FOR BY THE RCFC&WCD HYDROLOGY MANUAL FOR A 24-HOUR STORM.

RCFC & WCD INPUT:

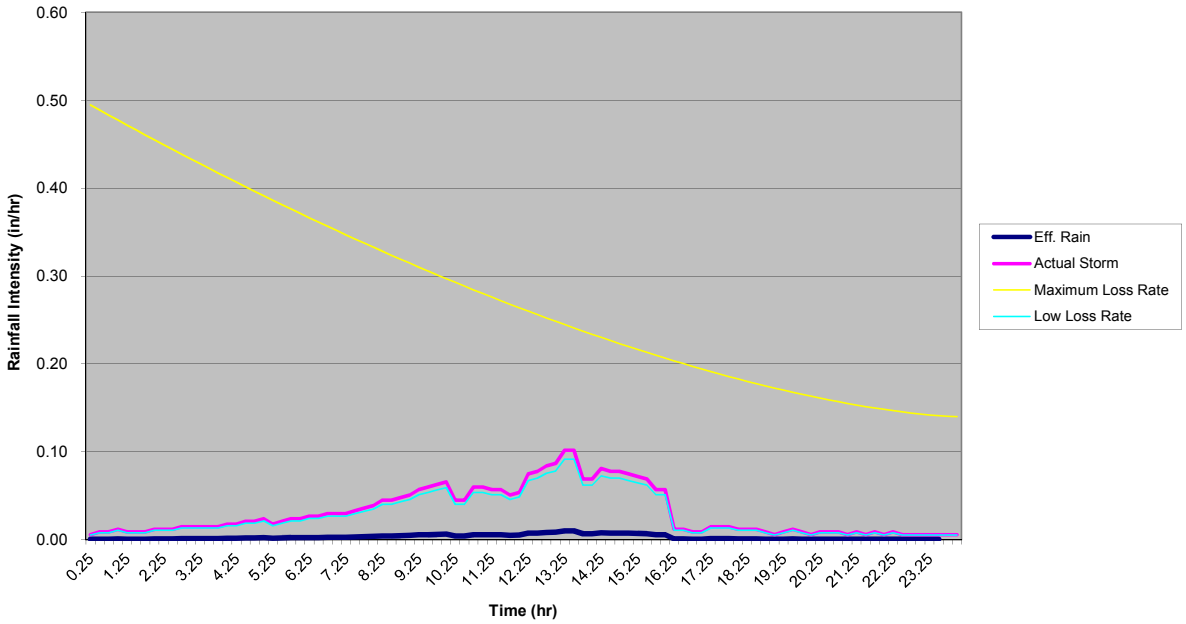
AERIAL ADJUSTED TOTAL STORM RAIN	0.75	INCHES
UNIT TIME	15	MINUTES
ADJUSTED (CONSTANT) LOSS RATE (F)	0.280	IN/HR
LOW LOSS RATE	90%	% OF STORM RAINFALL INTENSITY
MINIMUM LOSS RATE PERCENTAGE	50%	% OF (F)

** INPUT VALUES ARE AS DEFINED ON PLATES E-1.1 (1-3 OF 6)*

HEC-1 INPUT DATA:

INPUT FOR THE HEC-1 PI CARDS (EFFECTIVE RAIN PATTERN %)

PI	0.002	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
PI	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008
PI	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011
PI	0.012	0.013	0.015	0.015	0.016	0.017	0.019	0.020	0.021	0.022
PI	0.015	0.015	0.020	0.020	0.019	0.019	0.017	0.018	0.025	0.026
PI	0.028	0.029	0.034	0.034	0.023	0.023	0.027	0.026	0.026	0.025
PI	0.024	0.023	0.019	0.019	0.004	0.004	0.003	0.003	0.005	0.005
PI	0.005	0.004	0.004	0.004	0.003	0.002	0.003	0.004	0.003	0.002
PI	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002	0.003	0.002
PI	0.002	0.002	0.002	0.002	0.002	0.002				

INPUT FOR THE HEC-1 PB CARD: 0.075 INCHES (TOTAL EFFECTIVE RAIN)

24-Hour Effective Rainfall