

Appendix B – Hydrologic Calculations

- Proposed Conditions HEC-1 Output

PRO. OUT

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* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* JUN 1998 *
* VERSION 4.1 *
* RUN DATE 09SEP24 TIME 13:48:03 *
*
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* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET *
* DAVIS, CALIFORNIA 95616 *
* (916) 756-1104 *
*
*****

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* DISCOUNT TIRE CO. STORE # - NVL - 11 *
* PROPOSED CONDITIONS *
*
* PROJECT No: _ _ _ 092593009 *
* FILE: _ _ _ _ _PRO.H1 *
* DATE MODELED: _ _ _ 09/06/24 *
* MODELED BY: _ _ _ CZ *
*
*****
* RETURN PERIOD: _ _ _100-, 10- YEAR *
* DISTRIBUTION: _ _ _6-HOUR SDN3 *
*****

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19 IO OUTPUT CONTROL VARIABLES
      IPRNT      5 PRINT CONTROL
      IPLOT      0 PLOT CONTROL
      OSCAL      0. HYDROGRAPH PLOT SCALE

IT HYDROGRAPH TIME DATA
  NMIN      5 MINUTES IN COMPUTATION INTERVAL
  IDATE     1 0 STARTING DATE
  ITIME     0000 STARTING TIME
  NQ        300 NUMBER OF HYDROGRAPH ORDINATES
  NDDATE    2 0 ENDING DATE
  NDTIME    0055 ENDING TIME
  ICENT     19 CENTURY MARK

  COMPUTATION INTERVAL .08 HOURS
  TOTAL TIME BASE 24.92 HOURS

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ENGLISH UNITS
DRAINAGE AREA SQUARE MILES
PRECIPITATION DEPTH INCHES
LENGTH, ELEVATION FEET
FLOW CUBIC FEET PER SECOND
STORAGE VOLUME ACRE-FEET
SURFACE AREA ACRES
TEMPERATURE DEGREES FAHRENHEIT

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JP MULTI-PLAN OPTION
  NPLAN 1 NUMBER OF PLANS

JR MULTI-RATIO OPTION
  RATIOS OF PRECIPITATION
  .57 1.00

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1

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
 TIME TO PEAK IN HOURS

| OPERATION | STATION | AREA | PLAN | RATIOS APPLIED TO PRECIPITATION | |
|---------------|---------|------|--------|---------------------------------|---------|
| | | | | RATIO 1 | RATIO 2 |
| | | | | .57 | 1.00 |
| HYDROGRAPH AT | | | | | |
| + | DEON1* | .00 | 1 FLOW | 1. | 2. |
| | | | TIME | 3.50 | 3.50 |

*** NORMAL END OF HEC-1 ***