Indian Bend Wash
Original FEMA Study.
1984

Baker

Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation

3601 Eisenhower Avenue, Suite 600
Alexandria, Virginia 22304

(703) 960-8800
FAX (703) 960-9125

Property of
Flood Control District of MC Library
Please Return to
2801 W. Durango
Phoenix, AZ 85009

The enclosed data are provided in response to your request.

If you have any questions regarding the enclosed, or if we may be of further assistance, please contact the individual shown on the attached business card.

Baker

Venkatraj Venkataiah
Librarian

Baker Civil
A Unit of Michael Baker Corporation

3601 Eisenhower Avenue, Suite 600
Alexandria, Virginia 22304
(703) 960-8800
FAX (703) 329-3023
e-mail vvenkataiah@bakereng.com

FLOOD CONTROL DISTRICT
RECEIVED
DEC 27 1996
DIR
DEP
ADMIN
FINANCE
C&M
ENGR
REMARKS

X-SEC
X-3

Property of
Flood Control District of MC Library
Please Return to
2801 W. Durango
Phoenix, AZ 85009

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*****************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAR  1982
  ERROR CODE -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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THIS RUN EXECUTED 28-MAR-84 11:36:01

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T1      INDIAN BEND WASH U/S OF DROP STRUCTURE @ INDIAN BEND ROAD
T2      SCOTTSDALE, ARIZONA
T3      MULTIPLE RUN - BRENDA SULLIVAN - DXR - BS1BWMLT3.IN

J1  ICHECK    INQ     NINQ    IDIR    STRT    METRIC  HVINS   Q       WSEL    FQ
     0.       3.      0.      0.   0.000000   0.00    0.0     0.    281.710   0.000

J2  NPROF     IPLOT   PRFVS   XSECV   XSECH   FN      ALLDC   IBW     CHNIM   ITRACE
    1.000     0.000  -1.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

    38.000   11.000   12.000   3.000   10.000   1.000   51.000   42.000   5.000   41.000

    35.000   34.000   39.000   38.000   41.000   40.000   45.000   44.000   49.000   47.000

    46.000   13.000   14.000   15.000   43.000   1.000   38.000   39.000   42.000   1.000

    41.000   53.000   31.000   32.000   54.000   4.000   63.000   23.000   24.000   201.000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

   -10.000  -10.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000    0.000

NC      0.035    0.035    0.025    0.200    0.400    0.000    0.000    0.000    0.000    0.000
QT      7.500 3500.000 12000.000 17000.000 39000.000 17000.000 17000.000 17000.000    0.000    0.000
                UPSTREAM OF DROP STRUCTURE AT INDIAN BEND ROAD
X1  42600.000    7.000 2300.000 2700.000  210.000  226.000  210.000    0.000    0.000    0.000
GR    388.500    0.000  388.500 1300.000  281.000 2000.000  281.000 2300.000  281.000 2700.000
GR    281.000 3000.000  285.500 3200.000    0.000    0.000    0.000    0.000    0.000    0.000

X1  42650.000    8.000  925.000 1415.000  275.000   20.000   20.000    0.000    0.000    0.000
GR    386.000    0.000  382.000  205.000  272.000  350.000  272.000  455.000  281.000  540.000
GR    380.000  925.000  280.000 1415.000  285.000 1550.000    0.000    0.000    0.000    0.000
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XI	42800.000	15.000	3415.000	3710.000	150.000	60.000	150.000	0.000	0.000	0.000
GR	288.000	0.000	285.000	2405.000	283.200	2450.000	282.000	2675.000	271.000	2810.000
GR	271.000	2895.000	284.000	2990.000	284.000	3135.000	285.000	3250.000	283.000	3415.000
GR	282.000	3510.000	281.500	3560.000	281.500	3710.000	281.700	3905.000	285.000	3950.000
XI	42900.000	17.000	3450.000	3660.000	275.000	60.000	100.000	0.000	0.000	0.000
GR	289.000	0.000	285.000	2330.000	284.000	2620.000	284.000	2750.000	271.000	2870.000
GR	271.000	3020.000	284.000	3130.000	283.500	3230.000	281.000	3450.000	280.000	3530.000
GR	275.000	3600.000	280.000	3660.000	281.500	3775.000	281.800	3910.000	282.000	4070.000
GR	285.000	4070.000	286.000	4655.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	10.000	2715.000	0.035	3465.000	0.025	3785.000	0.035	4655.000	0.000
XI	43100.000	18.000	3465.000	3785.000	180.000	130.000	200.000	0.000	0.000	0.000
GR	290.000	0.000	286.000	1775.000	285.000	2715.000	282.000	2730.000	271.000	2840.000
GR	271.000	3030.000	282.000	3120.000	283.200	3205.000	282.000	3305.000	281.000	3385.000
GR	280.000	3465.000	275.000	3610.000	275.000	3690.000	280.000	3785.000	281.300	3975.000
GR	285.000	4365.000	286.000	4480.000	288.000	4655.000	0.000	0.000	0.000	0.000
NH	4.000	10.000	2685.000	0.035	3580.000	0.025	3860.000	0.035	4375.000	0.000
XI	43350.000	37.000	3580.000	3860.000	265.000	220.000	250.000	0.000	0.000	0.000
GR	296.000	0.000	290.000	605.000	289.500	1045.000	288.000	1110.000	285.000	1310.000
GR	284.000	1375.000	284.000	1755.000	280.000	1775.000	280.000	1885.000	282.000	1920.000
GR	282.000	2015.000	280.000	2300.000	280.000	2570.000	281.000	2685.000	280.000	2850.000
GR	271.000	2970.000	271.000	3105.000	280.000	3200.000	286.000	3250.000	283.000	3330.000
GR	285.000	3385.000	283.000	3415.000	283.000	3555.000	282.000	3580.000	280.000	3595.000
GR	276.000	3665.000	276.000	3740.000	276.000	3765.000	280.000	3815.000	282.000	3860.000
GR	285.000	3890.000	288.000	4020.000	285.000	4185.000	283.000	4210.000	285.000	4255.000
GR	285.000	4330.000	286.000	4375.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	10.000	3655.000	0.035	3540.000	0.025	3740.000	0.035	4255.000	0.000
XI	43600.000	37.000	3540.000	3740.000	225.000	260.000	250.000	0.000	0.000	0.000
GR	296.100	0.000	290.000	620.000	290.000	880.000	291.000	985.000	290.000	1020.000
GR	288.000	1190.000	285.000	1300.000	286.300	1330.000	288.000	1375.000	285.000	1445.000
GR	280.000	1500.000	280.000	1590.000	285.000	1640.000	288.000	1795.000	288.000	1945.000
GR	285.000	2060.000	284.000	2310.000	284.000	2500.000	285.000	2655.000	285.000	2890.000
GR	281.000	2965.000	280.000	3020.000	280.000	3160.000	285.000	3310.000	289.000	3375.000
GR	283.000	3490.000	282.000	3540.000	280.000	3545.000	276.000	3605.000	276.000	3655.000
GR	280.000	3700.000	282.000	3740.000	283.000	3810.000	284.000	3880.000	285.000	4100.000
GR	283.000	4180.000	288.000	4255.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	10.000	2500.000	0.035	3580.000	0.025	3670.000	0.035	4195.000	0.000
XI	43850.000	38.000	3580.000	3670.000	240.000	250.000	250.000	0.000	0.000	0.000
GR	285.000	0.000	290.000	155.000	290.000	260.000	289.000	375.000	286.000	610.000
GR	283.000	840.000	283.000	1245.000	291.000	1280.000	289.000	1525.000	289.200	1780.000
GR	288.500	1940.000	288.300	2185.000	287.000	2365.000	289.000	2435.000	286.000	2500.000
GR	286.000	2700.000	284.000	2795.000	283.000	2955.000	281.000	3110.000	285.000	3140.000
GR	284.500	3220.000	285.000	3300.000	288.000	3350.000	285.000	3425.000	284.000	3475.000
GR	283.000	3580.000	280.000	3585.000	276.000	3610.000	280.000	3630.000	285.000	3670.000
GR	289.000	3735.000	284.000	3790.000	284.000	3910.000	285.000	4005.000	286.000	4030.000
GR	287.000	4070.000	284.000	4135.000	288.500	4195.000	0.000	0.000	0.000	0.000

NH	4.000	10.000	2725.000	0.035	3520.000	0.025	3650.000	0.035	4125.000	0.000
X1	44100.000	33.000	3520.000	3650.000	250.000	375.000	250.000	0.000	0.000	0.000
GR	295.000	0.000	294.000	115.000	283.000	420.000	283.000	765.000	292.000	805.000
GR	292.000	1145.000	290.000	1355.000	290.000	1940.000	289.400	2085.000	288.700	2365.000
GR	280.000	2725.000	291.000	2815.000	292.000	2895.000	290.000	2910.000	286.000	2940.000
GR	285.000	2980.000	283.000	3040.000	283.000	3120.000	285.000	3150.000	288.000	3195.000
GR	285.000	3315.000	288.000	3395.000	284.000	3520.000	280.000	3555.000	276.800	3590.000
GR	280.000	3615.000	285.000	3650.000	290.000	3690.000	285.000	3735.000	287.000	3885.000
GR	289.000	4005.000	285.000	4065.000	290.000	4125.000	0.000	0.000	0.000	0.000
NC	0.035	0.035	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	44400.000	30.000	3440.000	3545.000	250.000	340.000	300.000	0.000	0.000	0.000
GR	295.000	0.000	294.000	220.000	292.000	870.000	291.300	1335.000	290.700	1745.000
GR	290.000	2070.000	288.700	2550.000	289.000	2660.000	292.000	2720.000	287.000	2780.000
GR	285.000	2880.000	288.000	2945.000	285.000	3005.000	283.000	3050.000	285.000	3135.000
GR	287.000	3270.000	290.000	3315.000	293.000	3390.000	290.000	3440.000	285.000	3442.000
GR	277.000	3475.000	285.000	3520.000	290.000	3545.000	290.000	3600.000	285.000	3630.000
GR	293.000	3750.000	285.000	3885.000	286.000	3945.000	290.000	3965.000	292.000	4015.000
X1	44700.000	27.000	3390.000	3470.000	300.000	260.000	300.000	0.000	0.000	0.000
GR	295.000	0.000	294.500	170.000	296.000	280.000	295.000	520.000	294.000	680.000
GR	292.300	1520.000	290.000	2180.000	290.000	2520.000	288.000	2640.000	290.000	2775.000
GR	285.000	2900.000	284.000	2965.000	285.000	3015.000	285.000	3110.000	290.000	3155.000
GR	293.000	3210.000	290.000	3375.000	285.000	3390.000	278.500	3440.000	285.000	3470.000
GR	290.000	3545.000	285.000	3695.000	285.000	3895.000	286.000	3945.000	291.000	3995.000
GR	292.000	4075.000	293.000	4090.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	10.000	1750.000	0.035	3275.000	0.025	3535.000	0.035	4005.000	0.000
X1	45000.000	26.000	3275.000	3535.000	400.000	245.000	300.000	0.000	0.000	0.000
X4	1.000	1292.500	1750.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	299.000	0.000	298.000	105.000	297.000	200.000	296.000	320.000	294.000	540.000
GR	294.000	845.000	294.700	1230.000	292.900	1525.000	292.000	2085.000	290.000	2385.000
GR	289.000	2945.000	291.000	3060.000	286.000	3160.000	285.000	3275.000	280.200	3310.000
GR	285.000	3340.000	288.000	3395.000	285.000	3460.000	280.200	3500.000	285.000	3535.000
GR	287.000	3565.000	286.000	3675.000	286.000	3855.000	290.000	3920.000	293.000	3980.000
GR	293.500	4005.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	10.000	2345.000	0.035	3270.000	0.025	3745.000	0.035	4195.000	0.000
X1	45300.000	26.000	3270.000	3745.000	260.000	300.000	300.000	0.000	0.000	0.000
GR	299.000	0.000	298.000	205.000	297.000	345.000	296.000	440.000	295.000	485.000
GR	295.000	590.000	295.500	665.000	295.000	725.000	294.000	1110.000	292.000	1600.000
GR	293.300	2090.000	291.000	2345.000	290.000	2800.000	290.000	3100.000	292.000	3145.000
GR	290.000	3220.000	285.000	3270.000	281.000	3310.000	285.000	3350.000	295.000	3525.000
GR	285.000	3675.000	281.000	3715.000	285.000	3745.000	287.000	3800.000	287.000	4025.000
GR	295.000	4195.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	5.000	10.000	1485.000	0.035	3415.000	0.025	3665.000	0.035	4080.000	10.000
NH	5420.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

XI	45600.000	53.000	3415.000	3665.000	275.000	305.000	300.000	0.000	0.000	0.000
GR	299.000	1.000	298.000	300.000	297.000	600.000	296.000	695.000	296.000	815.000
GR	295.000	1160.000	294.000	1485.000	292.000	1875.000	291.000	1955.000	292.000	2015.000
GR	292.000	2195.000	295.000	2315.000	300.000	2465.000	295.000	2610.000	291.000	2770.000
GR	291.000	2880.000	294.000	2965.000	292.000	3050.000	300.000	3165.000	290.000	3315.000
GR	285.000	3415.000	281.500	3515.000	285.000	3540.000	290.000	3585.000	285.000	3610.000
GR	281.500	3635.000	285.000	3665.000	292.000	3760.000	283.000	3855.000	283.000	3910.000
GR	283.000	3955.000	290.000	4050.000	290.000	4080.000	288.000	4103.000	287.500	4135.000
GR	288.000	4160.000	290.000	4183.000	291.000	4198.000	291.000	4285.000	290.300	4330.000
GR	290.000	4408.000	290.000	4500.000	290.300	4545.000	291.000	4592.000	292.000	4750.000
GR	292.000	4800.000	292.000	4815.000	293.000	4825.000	294.000	4883.000	294.000	4910.000
GR	295.000	4930.000	296.000	5300.000	298.000	5420.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	5.000	10.000	2200.000	0.035	3335.000	0.025	3550.000	0.035	3970.000	10.000
NH	5245.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
XI	45900.000	49.000	3335.000	3550.000	250.000	315.000	300.000	0.000	0.000	0.000
GR	299.000	1.000	298.000	360.000	297.000	585.000	296.000	825.000	295.000	1170.000
GR	295.000	1315.000	294.000	1510.000	297.600	1640.000	295.000	1740.000	292.200	1850.000
GR	293.100	2000.000	295.000	2090.000	300.000	2200.000	297.000	2295.000	296.000	2425.000
GR	300.000	2605.000	293.000	2755.000	295.000	2850.000	293.000	2975.000	291.000	3025.000
GR	295.000	3335.000	295.000	3300.000	291.000	3335.000	290.000	3445.000	291.000	3550.000
GR	292.000	3695.000	293.000	3760.000	295.000	3795.000	299.000	3930.000	295.000	3970.000
GR	294.000	4038.000	290.000	4059.000	288.000	4083.000	287.500	4102.000	288.000	4123.000
GR	290.000	4140.000	291.000	4148.000	292.000	4320.000	292.000	4354.000	292.000	4436.000
GR	292.600	4474.000	292.000	4496.000	292.000	4507.000	293.000	4560.000	294.000	4593.000
GR	294.300	4620.000	294.000	4775.000	296.000	5050.000	298.000	5245.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	5.000	10.000	2200.000	0.035	2935.000	0.025	3590.000	0.035	3640.000	10.000
NH	4950.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
XI	46200.000	47.000	2935.000	3590.000	150.000	410.000	300.000	0.000	0.000	0.000
GR	299.000	1.000	299.000	165.000	298.000	440.000	297.000	630.000	296.000	885.000
GR	295.200	1170.000	295.000	1315.000	294.000	1545.000	295.000	2060.000	296.000	2090.000
GR	302.000	2300.000	297.000	2310.000	297.000	2430.000	301.000	2515.000	295.000	2600.000
GR	295.000	2765.000	292.000	2910.000	291.000	2935.000	285.000	3025.000	285.000	3230.000
GR	285.000	3475.000	285.000	3530.000	291.000	3590.000	295.000	3615.000	297.000	3640.000
GR	310.000	3640.100	310.000	3845.000	310.000	4020.000	295.000	4020.100	292.000	4065.000
GR	291.000	4085.000	292.000	4130.000	292.000	4150.000	290.000	4170.000	290.000	4180.000
GR	289.000	4200.000	290.000	4223.000	292.000	4235.000	293.000	4250.000	294.000	4335.000
GR	294.100	4337.000	294.000	4339.000	293.600	4430.000	293.600	4490.000	294.000	4540.000
GR	296.000	4830.000	298.000	4950.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	5.000	10.000	2360.000	0.035	2770.000	0.025	3185.000	0.035	3230.000	10.000
NH	4555.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
XI	46500.000	35.000	2770.000	3185.000	135.000	335.000	300.000	0.000	0.000	0.000
GR	300.000	2270.000	295.000	2270.100	297.000	2360.000	293.000	2400.000	292.000	2450.000
GR	291.000	2540.000	291.000	2665.000	292.000	2755.000	291.000	2770.000	285.000	2850.000
GR	285.000	2935.000	285.000	3060.000	285.000	3115.000	291.000	3185.000	296.000	3230.000
GR	310.000	3230.100	310.000	3730.000	296.000	3730.100	297.000	3815.000	296.000	3845.000
GR	295.000	3852.000	292.000	3869.000	291.100	3909.000	292.000	3920.000	293.000	3946.000

ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	0.035	2640.000	0.025	3280.000	0.035	3340.100	10.000	4335.000	0.000
X1	46800.000	24.000	2640.000	3280.000	410.000	225.000	300.000	0.000	0.000	0.000
GR	300.000	2300.000	295.000	2385.000	291.000	2455.000	291.000	2545.000	292.000	2600.000
GR	291.000	2640.000	285.000	2715.000	285.000	2970.000	285.000	3010.000	285.000	3140.000
GR	285.000	3195.000	291.000	3280.000	295.000	3300.000	298.000	3340.000	310.000	3340.100
GR	310.000	3795.000	297.000	3795.100	297.600	3860.000	296.000	3915.000	294.000	3940.000
GR	295.400	3990.000	294.800	4105.000	296.000	4325.000	298.000	4335.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	0.035	2525.000	0.025	3240.000	0.035	3325.100	10.000	4500.000	0.000
X1	47050.000	24.000	2525.000	3240.000	410.000	200.000	300.000	0.000	0.000	0.000
GR	300.000	2200.000	300.000	2310.000	295.000	2390.000	300.000	2440.000	295.000	2485.000
GR	290.000	2525.000	285.000	2590.000	285.000	2725.000	285.000	2820.000	285.000	3000.000
GR	285.000	3125.000	290.000	3240.000	299.000	3315.000	315.000	3315.100	315.000	3630.000
GR	298.000	3630.100	298.000	3660.000	296.000	3680.000	294.000	3705.000	295.700	3760.000
GR	295.100	3945.000	296.000	4200.000	298.000	4300.000	300.000	4500.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NH	4.000	0.035	2660.000	0.025	3280.000	0.035	3350.100	10.000	4585.000	0.000
X1	47300.000	17.000	2660.000	3280.000	230.000	210.000	250.000	0.000	0.000	0.000
GR	300.000	2760.000	290.000	2660.000	280.000	2780.000	280.000	2940.000	280.000	3080.000
GR	280.000	3155.000	295.000	3280.000	299.000	3350.000	315.000	3350.100	315.000	3650.000
GR	299.000	3650.100	298.000	3725.000	294.000	3750.000	295.900	3800.000	295.200	3940.000
GR	297.000	4295.000	300.000	4585.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.035	0.035	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	47550.000	31.000	2660.000	3775.000	380.000	180.000	250.000	0.000	0.000	0.000
GR	308.000	1.000	307.000	350.000	304.000	940.000	303.000	1040.000	320.000	1040.100
GR	320.000	1200.000	302.000	1200.100	301.500	1465.000	301.000	1570.000	320.000	1570.100
GR	320.000	1730.000	300.500	1730.100	300.000	1915.000	299.000	2295.000	298.000	2430.000
GR	296.000	2435.000	296.000	2595.000	290.000	2660.000	280.000	2925.000	280.000	3415.000
GR	280.000	3510.000	295.000	3775.000	296.000	3805.000	315.000	3805.100	315.000	4075.000
GR	296.000	4075.100	296.000	4150.000	295.500	4420.000	296.000	4670.000	298.000	4930.000
GR	300.000	5000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	47800.000	29.000	2470.000	3120.000	240.000	240.000	250.000	0.000	0.000	0.000
GR	305.000	1.000	304.000	25.000	303.000	240.000	320.000	240.100	320.000	435.000
GR	301.700	435.100	301.500	540.000	302.500	750.000	320.000	750.100	320.000	1000.000
GR	301.000	1000.100	300.000	1200.000	299.000	1570.000	298.000	1835.000	296.000	1920.000
GR	296.000	2095.000	290.000	2180.000	291.000	2470.000	290.000	2655.000	285.000	2760.000
GR	285.000	2830.000	285.000	2880.000	290.000	3050.000	295.000	3120.000	296.800	3290.000
GR	296.000	3430.000	296.000	3865.000	298.000	4105.000	300.000	4250.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	48100.000	29.000	2525.000	2925.000	250.000	330.000	300.000	0.000	0.000	0.000
GR	301.000	1.000	303.000	460.000	320.000	460.100	320.000	640.000	302.000	640.100
GR	301.500	880.000	301.000	980.000	320.000	980.100	320.000	1080.000	301.000	1080.100
GR	300.000	1255.000	299.500	1485.000	299.000	1740.000	320.000	1740.100	320.000	1985.000

GR	297.000	3460.000	297.000	3900.000	300.000	4150.000	304.000	4520.000	0.000	0.000
GI	7.000	3400.000	11000.000	16000.000	35000.000	16000.000	16000.000	16000.000	0.000	0.000
XI	48400.000	35.000	2265.000	2900.000	250.000	330.000	300.000	0.000	0.000	0.000
GI	304.000	0.000	303.500	335.000	303.000	430.000	320.000	430.100	320.000	560.000
GR	303.100	560.100	302.000	860.000	320.000	860.100	320.000	1015.000	301.000	1015.100
GI	300.000	1295.000	299.000	1590.000	298.500	1780.000	320.000	1780.100	320.000	2000.000
GR	298.500	3000.100	298.000	2145.000	296.000	2365.000	294.000	2510.000	292.000	2565.000
GR	294.000	2740.000	297.600	2900.000	297.300	3570.000	300.000	3985.000	304.000	4300.000
XI	48700.000	15.000	1820.000	2410.000	400.000	220.000	300.000	0.000	0.000	0.000
GI	304.000	0.000	302.000	295.000	320.000	305.000	320.000	510.000	302.000	510.100
GR	300.000	1045.000	298.700	1450.000	298.000	1830.000	296.000	2020.000	296.200	2235.000
GR	297.300	2410.000	297.000	2620.000	297.400	2890.000	300.000	3375.000	304.000	3700.000
XI	49000.000	18.000	2645.000	3080.000	390.000	380.000	300.000	0.000	0.000	0.000
GI	308.500	0.000	307.000	185.000	320.000	185.000	320.000	380.000	306.500	380.000
GR	304.500	650.000	320.000	650.000	320.000	770.000	304.500	770.000	303.000	1395.000
GR	302.000	1835.000	300.000	2235.000	298.900	2645.000	298.000	2985.000	298.000	3080.000
GR	298.100	3520.000	300.000	4170.000	304.000	4430.000	0.000	0.000	0.000	0.000
XI	49300.000	14.000	2275.000	2820.000	360.000	260.000	300.000	0.000	0.000	0.000
GR	307.500	0.000	306.000	610.000	304.000	1225.000	303.000	1685.000	302.000	1960.000
GR	300.000	2035.000	298.800	2275.000	298.000	2465.000	298.600	2675.000	298.200	2820.000
GR	298.900	3250.000	299.000	3670.000	300.000	3800.000	304.000	4040.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 28-MAR-84 11:38:18

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*****************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAR  1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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T1
T2
T3

I1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	3.	0.	0.	0.000000	0.00	0.0	0.	282.580	0.000
I2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 28-MAR-84 11:38:32

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*****************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAR  1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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T1
T2
T3

I1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	4.	0.	0.	0.000000	0.00	0.0	0.	282.980	0.000
I3	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 28-MAR-84 11:38:41

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*****************************************************
  HECS RELEASE DATED NOV 76 UPDATED MAR  1982
  ERROR CODE -  01,02,03,04,05
  MODIFICATION    50,51,52,53,54,55
*****************************************************
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T1
T2
T3

J1	ICHECK	INQ	NINV	IDTR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	5.	0.	0.	0.000000	0.00	0.0	0.	284.330	0.000

J3	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IRW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 28-MAR-84 11:38:53

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*****************************************
  HEC1 RELEASE DATED NOV 76 UPDATED MAR  1983
  ERROR CODE -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

MULTIPLE RUN - ERENIA SU

SUMMARY PRINTOUT

	SELNO	HL	OLOSS	EG	HV	CWSEL	DTFWSX	ELMIN	10KAS	ELLC	AREA	.01K	XLCH	
*	42600.000	0.00	0.00	282.09	0.36	281.73	0.00	281.00	135.71	0.00	768.30	300.44	0.00	
*	42600.000	0.00	0.00	283.39	0.76	282.63	0.00	281.00	102.70	0.00	1817.37	1184.11	0.00	
*	42600.000	0.00	0.00	283.98	0.94	283.04	0.00	281.00	95.02	0.00	2330.60	1743.97	0.00	
*	42600.000	0.00	0.00	285.95	1.50	284.45	0.00	281.00	79.10	0.00	4272.98	4384.98	0.00	
	42650.000	0.03	0.07	282.18	0.01	282.17	0.44	272.00	0.45	0.00	4066.51	5193.28	20.00	
	42650.000	0.09	0.14	283.62	0.07	283.56	0.92	272.00	1.96	0.00	5915.30	8571.64	20.00	
	42650.000	0.11	0.17	284.26	0.10	284.16	1.12	272.00	2.70	0.00	6764.38	10336.94	20.00	
	42650.000	0.18	0.25	286.38	0.26	286.12	1.67	272.00	5.05	0.00	9710.23	17352.84	20.00	
	42800.000	0.01	0.01	282.20	0.04	282.16	-0.01	271.00	0.88	0.00	2403.86	3727.47	150.00	
	42800.000	0.04	0.05	283.72	0.20	283.52	-0.04	271.00	4.79	0.00	3692.96	5480.62	150.00	170
	42800.000	0.06	0.07	284.39	0.27	284.12	-0.04	271.00	6.71	0.00	4394.93	6560.48	150.00	
	42800.000	0.10	0.05	286.53	0.38	286.15	0.03	271.00	10.52	0.00	7967.65	12026.70	150.00	
	42900.000	0.01	0.00	282.22	0.01	282.20	0.04	271.00	0.32	0.00	3893.05	6230.02	100.00	
	42900.000	0.06	0.02	283.80	0.08	283.72	0.20	271.00	1.69	0.00	5651.25	9224.91	100.00	270
	42900.000	0.09	0.03	284.50	0.12	284.39	0.27	271.00	2.42	0.00	6590.52	10929.19	100.00	
	42900.000	0.14	0.03	286.70	0.21	286.49	0.34	271.00	4.35	0.00	11425.70	18700.01	100.00	
	43100.000	0.00	0.00	282.22	0.01	282.22	0.01	271.00	0.14	0.00	5520.93	9462.04	200.00	
	43100.000	0.02	0.01	283.83	0.04	283.79	0.06	271.00	0.75	0.00	7682.51	13892.58	200.00	470
	43100.000	0.03	0.01	284.54	0.07	284.47	0.09	271.00	1.10	0.00	8747.01	16237.61	200.00	
	43100.000	0.06	0.01	286.77	0.16	286.61	0.13	271.00	2.37	0.00	13562.02	25335.88	200.00	
	43350.000	0.00	0.00	282.23	0.01	282.22	0.01	271.00	0.22	0.00	5934.71	7476.37	250.00	
	43350.000	0.02	0.00	283.86	0.04	283.82	0.03	271.00	1.20	0.00	8919.56	10969.63	250.00	720
	43350.000	0.04	0.00	284.58	0.06	284.52	0.05	271.00	1.76	0.00	10569.90	12802.93	250.00	
	43350.000	0.08	0.00	286.85	0.16	286.69	0.08	271.00	3.82	0.00	16690.47	19959.66	250.00	
	43600.000	0.01	0.06	282.30	0.16	282.15	-0.08	276.00	5.58	0.00	1509.81	1482.27	250.00	
	43600.000	0.07	0.27	284.20	0.71	283.49	-0.33	276.00	19.09	0.00	2542.60	2746.69	250.00	970

	SELMN	DL	OLOSS	EG	HV	CWSEL	DIFWSX	ELMIN	10KAS	ELLC	AREA	.01K	XLCH	
*	43850.000	0.38	1.20	285.45	3.15	282.30	0.15	276.00	131.70	0.00	290.98	304.99	250.00	
*	43850.000	0.65	0.06	286.26	0.85	285.41	1.92	276.00	38.53	0.00	3295.85	1933.23	250.00	1220
*	43850.000	0.79	0.01	286.87	1.00	285.87	1.80	276.00	44.83	0.00	4132.43	2539.03	250.00	
*	43850.000	0.91	0.01	288.59	1.24	287.36	1.17	276.00	52.86	0.00	7504.13	5364.12	250.00	
	44100.000	0.26	0.60	286.32	0.15	286.17	3.87	276.80	3.57	0.00	2678.76	1852.28	250.00	
*	44100.000	0.91	0.22	287.87	1.41	286.46	1.05	276.80	32.79	0.00	3007.07	2095.76	250.00	1470
*	44100.000	0.96	0.19	288.80	1.48	28[illegible]	1.45	276.80	32.43	0.00	4113.41	2985.07	250.00	
*	44100.000	1.11	0.16	291.16	1.63	289.53	2.18	276.80	33.34	0.00	8295.79	6754.49	250.00	
	44400.000	0.18	0.13	286.62	0.46	286.16	-0.01	277.00	14.20	0.00	861.98	928.87	300.00	
	44400.000	0.93	0.07	288.87	1.04	287.83	1.37	277.00	32.11	0.00	1954.13	2117.58	300.00	1770
	44400.000	0.83	0.12	289.75	0.90	288.85	1.53	277.00	26.64	0.00	2807.61	3293.68	300.00	
	44400.000	0.73	0.18	292.07	0.75	291.32	1.78	277.00	20.86	0.00	6938.31	8538.48	300.00	
	44700.000	0.29	0.05	286.97	0.20	286.77	0.61	278.50	7.37	0.00	1377.64	1289.32	300.00	
	44700.000	0.45	0.15	289.46	0.32	289.14	1.32	278.50	8.91	0.00	3371.91	4019.99	300.00	2070
	44700.000	0.45	0.10	290.30	0.39	289.91	1.06	278.50	10.23	0.00	4245.51	5315.35	300.00	
	44700.000	0.44	0.05	292.57	0.50	292.06	0.75	278.50	11.77	0.00	8478.84	11367.70	300.00	
X	45000.000	0.36	0.00	287.24	0.21	287.03	0.36	280.20	10.00	0.00	1166.21	1106.78	300.00	
	45000.000	0.28	0.00	289.74	0.32	289.43	0.28	280.20	9.64	0.00	3072.60	3865.28	300.00	2370
	45000.000	0.31	0.00	290.61	0.38	290.24	0.33	280.20	10.02	0.00	4154.82	5370.70	300.00	
	45000.000	0.37	0.02	292.96	0.56	292.40	0.33	280.20	11.30	0.00	7914.51	11602.42	300.00	
	45300.000	0.33	0.04	287.60	0.30	287.30	0.37	281.00	11.96	0.00	897.17	1012.15	300.00	
	45300.000	0.36	0.08	290.19	0.52	289.67	0.24	281.00	16.00	0.00	2341.40	2999.78	300.00	2670
	45300.000	0.38	0.10	291.09	0.62	290.48	0.24	281.00	17.55	0.00	3117.84	4058.15	300.00	
	45300.000	0.41	0.06	293.42	0.71	292.71	0.31	281.00	17.80	0.00	7047.96	9244.86	300.00	
	45600.000	0.15	0.04	287.79	0.07	287.72	0.42	281.50	2.80	0.00	1724.26	2093.19	300.00	
	45600.000	0.37	0.06	290.51	0.23	290.29	0.62	281.50	5.73	0.00	3554.55	5011.21	300.00	2970
	45600.000	0.31	0.06	291.47	0.31	291.16	0.68	281.50	6.90	0.00	4574.28	6469.91	300.00	
	45600.000	0.43	0.01	293.37	0.65	293.21	0.50	281.50	11.95	0.00	8681.43	11283.67	300.00	
*	45900.000	0.23	0.22	293.03	0.62	292.41	4.69	287.50	57.78	0.00	1218.39	460.44	300.00	
*	45900.000	0.39	0.31	295.05	0.99	294.06	3.77	287.50	51.55	0.00	3449.89	1671.34	300.00	3270
*	45900.000	0.45	0.36	295.82	1.20	294.61	3.46	287.50	55.07	0.00	4576.77	2290.83	300.00	
*	45900.000	0.63	0.30	297.95	1.39	296.56	3.34	287.50	48.38	0.00	10572.78	5607.01	300.00	
	46200.000	0.01	0.12	293.17	0.01	293.16	0.75	285.00	0.10	0.00	5381.50	11154.18	300.00	
	46200.000	0.05	0.19	295.29	0.05	295.23	1.18	285.00	0.50	0.00	8662.81	17016.12	300.00	3570
	46200.000	0.07	0.22	296.11	0.09	296.02	1.41	285.00	0.75	0.00	10889.98	19646.30	300.00	
	46200.000	0.16	0.22	298.33	0.30	298.03	1.48	285.00	2.02	0.00	17899.35	27438.75	300.00	
	46500.000	0.00	0.00	293.18	0.02	293.16	0.00	285.00	0.26	0.00	3685.33	6827.25	300.00	
	46500.000	0.02	0.02	295.33	0.10	295.22	-0.01	285.00	1.12	0.00	5853.97	11356.76	300.00	3870
	46500.000	0.03	0.03	296.17	0.16	296.01	-0.01	285.00	1.62	0.00	6864.19	13376.85	300.00	
	46500.000	0.08	0.09	298.49	0.51	297.98	-0.05	285.00	4.12	0.00	9983.15	19217.72	300.00	

	SECND	HE	QIDSX	EG	HV	CWSEL	DIFWSX	ELMIN	10K*S	ELLC	AREA	.01K	XLCH	
	46600.000	0.00	0.00	293.18	0.01	293.17	0.02	285.00	0.10	0.00	5154.34	10987.15	300.00	
	46600.000	0.02	0.01	295.36	0.05	295.31	0.09	285.00	0.48	0.00	7166.11	17335.46	300.00	4170
	46600.000	0.03	0.02	296.22	0.08	296.13	0.13	285.00	0.71	0.00	8231.10	20161.32	300.00	
	46800.000	0.08	0.05	298.63	0.27	298.35	0.37	285.00	1.84	0.00	11487.79	28746.91	300.00	
	47050.000	0.00	0.00	293.19	0.01	293.18	0.00	285.00	0.08	0.00	5481.19	12395.20	300.00	
	47050.000	0.01	0.00	295.37	0.05	295.33	0.02	285.00	0.40	0.00	7227.59	18949.83	300.00	4470
	47050.000	0.03	0.00	296.24	0.08	296.16	0.03	285.00	0.61	0.00	8268.86	21827.91	300.00	
	47050.000	0.05	0.00	298.68	0.26	298.42	0.07	285.00	1.63	0.00	11644.48	30502.13	300.00	
Y	47300.000	0.00	0.00	293.19	0.00	293.18	0.00	280.00	0.03	0.00	6699.00	19541.42	250.00	
	47300.000	0.01	0.00	295.38	0.03	295.35	0.02	280.00	0.21	0.00	8149.09	26092.19	250.00	4720
	47300.000	0.01	0.00	296.25	0.06	296.19	0.03	280.00	0.34	0.00	8962.27	29063.72	250.00	
	47300.000	0.03	0.01	298.72	0.23	298.49	0.07	280.00	1.06	0.00	12005.65	37891.56	250.00	
	47550.000	0.00	0.00	293.19	0.00	293.19	0.00	280.00	0.01	0.00	11471.80	32651.26	250.00	
	47550.000	0.00	0.00	295.39	0.01	295.38	0.03	280.00	0.07	0.00	13993.80	44190.98	250.00	4970
	47550.000	0.00	0.01	296.27	0.02	296.25	0.05	280.00	0.12	0.00	15354.82	49595.41	250.00	
	47550.000	0.01	0.03	298.77	0.07	298.70	0.21	280.00	0.33	0.00	20658.12	68123.36	250.00	
	47800.000	0.00	0.01	293.19	0.01	293.18	-0.01	285.00	0.33	0.00	3965.66	6082.74	250.00	
	47800.000	0.00	0.02	295.42	0.07	295.35	-0.03	285.00	1.07	0.00	6111.68	11579.02	250.00	5220
	47800.000	0.01	0.03	296.31	0.10	296.20	-0.04	285.00	1.41	0.00	7176.39	14308.93	250.00	
	47800.000	0.02	0.06	298.85	0.23	298.62	-0.08	285.00	2.36	0.00	12417.92	25392.96	250.00	
	48100.000	0.02	0.02	293.33	0.05	293.17	-0.01	287.00	1.22	0.00	1913.92	3172.45	300.00	
	48100.000	0.06	0.09	295.56	0.29	295.27	-0.08	287.00	4.43	0.00	2896.49	5704.11	300.00	5520
	48100.000	0.08	0.14	296.52	0.45	296.07	-0.13	287.00	5.91	0.00	3361.42	6990.59	300.00	
	48100.000	0.12	0.26	299.23	0.89	298.35	-0.27	287.00	9.44	0.00	6878.17	12694.03	300.00	
*	48400.000	0.11	0.35	295.60	0.69	294.92	1.74	292.00	85.54	0.00	510.54	367.62	300.00	
*	48400.000	0.32	0.33	297.59	1.13	296.46	1.19	292.00	71.38	0.00	1397.27	1302.00	300.00	5820
*	48400.000	0.40	0.36	298.50	1.35	297.15	1.07	292.00	63.93	0.00	1738.94	2001.08	300.00	
*	48400.000	0.48	0.17	300.39	1.32	299.07	0.73	292.00	36.96	0.00	4678.95	5757.37	300.00	
*	48700.000	2.28	0.06	297.95	0.38	297.57	2.66	296.00	70.13	0.00	775.92	406.00	300.00	
	48700.000	1.48	0.13	299.21	0.46	298.75	2.28	296.00	38.41	0.00	2336.52	1774.86	300.00	6120
	48700.000	1.15	0.18	299.84	0.43	299.41	2.26	296.00	26.88	0.00	3572.51	3085.89	300.00	
	48700.000	0.82	0.15	301.37	0.55	300.82	1.75	296.00	22.43	0.00	6880.58	7389.33	300.00	
	49000.000	1.45	0.05	299.45	0.12	299.33	1.76	298.00	30.26	0.00	1285.25	618.10	300.00	
	49000.000	1.24	0.03	300.48	0.29	300.20	1.45	298.00	35.65	0.00	2807.12	1842.39	300.00	6420
	49000.000	1.09	0.01	300.93	0.38	300.55	1.14	298.00	38.58	0.00	3523.14	2575.84	300.00	
	49000.000	0.96	0.02	302.35	0.59	301.76	0.94	298.00	34.87	0.00	6200.78	5926.86	300.00	
	49300.000	0.44	0.01	299.91	0.06	299.84	0.51	298.00	9.67	0.00	1894.70	1093.57	300.00	
	49300.000	0.55	0.03	301.07	0.16	300.91	0.71	298.00	12.33	0.00	3790.05	3132.61	300.00	6720
	49300.000	0.61	0.03	301.58	0.22	301.36	0.81	298.00	13.77	0.00	4656.90	4311.46	300.00	
	49300.000	0.68	0.03	303.06	0.42	302.64	0.88	298.00	17.16	0.00	7366.46	8449.36	300.00	

[illegible] - BRENNA SU

SUMMARY PRINTOUT

	SECNO	ELTRD	ELTRD	ELLOC	ELPRC	CLASS	QPR	QWEIR	QLOB	QCH	QROB	Q	CWSEL
*	42600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	944.21	1644.65	911.13	3500.00	281.73
*	42600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3392.88	5459.49	3147.63	12000.00	282.63
*	42600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4902.06	7624.22	4473.71	17000.00	283.04
*	42600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11954.25	16674.40	10371.35	39000.00	284.45
												26,000.	
	42650.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2768.40	712.47	19.13	3500.00	282.17
	42650.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8473.24	3377.92	148.84	12000.00	283.56
	42650.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11583.70	5150.89	265.41	17000.00	284.16
	42650.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24498.04	13408.49	1093.48	39000.00	286.12
	42800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3423.72	46.21	30.07	3500.00	282.16
	42800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10548.67	892.41	558.92	12000.00	283.52
	42800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14180.25	1766.63	1053.12	17000.00	284.12
	42800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28868.89	6435.24	3695.87	39000.00	286.15
	42900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2849.98	581.59	68.43	3500.00	282.20
	42900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8683.07	2435.76	881.17	12000.00	283.72
	42900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11817.92	3573.32	1608.76	17000.00	284.39
	42900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25122.86	8060.28	5816.86	39000.00	286.49
	43100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2286.02	1147.00	66.98	3500.00	282.22
	43100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7285.07	4111.35	603.58	12000.00	283.79
	43100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10060.05	5834.79	1105.16	17000.00	284.47
	43100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21436.87	13005.84	4557.29	39000.00	286.61
	43350.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2617.24	882.75	0.01	3500.00	282.22
	43350.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8495.82	3494.00	10.19	12000.00	283.82
	43350.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11848.02	5112.35	39.63	17000.00	284.52
	43350.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26123.78	12099.51	776.71	39000.00	286.69
	43600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	710.57	2789.30	0.13	3500.00	282.15
	43600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3449.97	8409.12	140.90	12000.00	283.49
	43600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5333.13	11253.82	413.06	17000.00	284.07
	43600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14828.07	19928.99	4242.93	39000.00	286.19
*	43850.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	262.71	3237.29	0.00	3500.00	282.30
*	43850.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5990.45	5137.30	872.25	12000.00	285.41
*	43850.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8945.26	6383.80	1670.94	17000.00	285.87
*	43850.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22699.28	10207.45	6093.27	39000.00	287.36
	44100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	816.64	2638.08	45.29	3500.00	286.17
*	44100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3065.75	8685.85	248.40	12000.00	286.46
*	44100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5299.79	10808.77	891.44	17000.00	287.32
*	44100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15950.34	17487.21	5562.45	39000.00	289.53

SECNO	ELLC	ELTRD	EGLWC	EGPRS	CLASS	QPR	QWEIR	QLOB	QCH	QROB	Q	CWSEL
44400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	874.31	2548.34	77.35	3500.00	286.16
44400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4980.24	5955.90	1063.86	12000.00	287.83
44400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8164.13	6838.73	1997.14	17000.00	288.85
44400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23141.41	10016.90	5841.68	39000.00	291.32
44700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	862.32	1880.58	757.09	3500.00	286.77
44700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3903.77	3951.02	4145.21	12000.00	289.14 2070
44700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5845.41	4987.55	6167.04	17000.00	289.91
44700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17088.55	7899.40	14012.05	39000.00	292.06
45000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	319.56	2831.48	348.96	3500.00	287.03
45000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1732.52	7058.41	3209.06	12000.00	289.43
45000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2966.67	9231.33	4801.99	17000.00	290.24
45000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11635.09	16551.61	10813.29	39000.00	292.40
45300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.47	3287.90	169.64	3500.00	287.30
45300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	334.65	8742.61	2932.74	12000.00	289.67
45300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	742.59	11542.34	4715.07	17000.00	290.48
45300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7857.84	20160.97	10981.19	39000.00	292.71
45600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.44	2111.38	1324.19	3500.00	287.72
45600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	560.48	6723.55	4715.97	12000.00	290.29 2970
45600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	982.38	9303.40	6714.22	17000.00	291.16
45600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4802.83	19098.35	15098.82	39000.00	293.21
* 45900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	219.80	2860.82	419.38	3500.00	292.41
* 45900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1813.72	7605.47	2580.81	12000.00	294.06
* 45900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3124.92	10018.81	3856.26	17000.00	294.61
* 45900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12014.13	17891.75	9094.12	39000.00	296.56
46200.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.74	3486.91	2.35	3500.00	293.16
46200.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.51	11788.17	31.32	12000.00	295.23
46200.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	428.47	16506.86	64.67	17000.00	296.02
46200.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2221.17	36487.25	291.58	39000.00	298.03
46500.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	201.87	3293.26	4.87	3500.00	293.16
46500.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1532.76	10406.73	60.52	12000.00	295.22
46500.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2532.13	14352.90	114.98	17000.00	296.01
46500.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7488.84	31037.85	473.31	39000.00	297.98
46800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.24	3418.11	1.66	3500.00	293.17
46800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	644.03	11332.47	33.50	12000.00	295.31
46800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1101.23	15848.75	50.02	17000.00	296.13
46800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3531.73	35212.08	256.19	39000.00	298.35
47050.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.57	3486.58	6.85	3500.00	293.18
47050.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.84	11878.16	61.00	12000.00	295.33
47050.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.41	16768.56	111.03	17000.00	296.16
47050.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	576.74	38000.58	422.68	39000.00	298.42

	SECNO	ELLE	ELTRD	EGLWC	EGPRS	CLASS	QPR	QWEIR	QLOB	QCH	QROB	Q	CWSEL
	47300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.22	3494.78	0.00	3500.00	293.18
	47300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.37	11946.55	0.08	12000.00	295.35
	47300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.51	16897.16	2.34	17000.00	296.19
	47300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	411.28	38516.86	71.87	39000.00	298.49
	47550.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	3496.60	0.00	3500.00	293.19
	47550.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.84	11965.07	0.08	12000.00	295.38
	47550.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.38	16903.25	27.37	17000.00	296.25
	47550.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	496.31	37443.68	1060.01	39000.00	298.70
	47800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	391.86	3108.14	0.00	3500.00	293.18
	47800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1944.37	10054.84	0.79	12000.00	295.35
	47800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2966.86	13992.61	40.53	17000.00	296.20
	47800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7893.81	28407.71	2698.48	39000.00	298.62
	48100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3438.83	61.17	3500.00	293.17
	48100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	11534.87	464.64	12000.00	295.27
	48100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.61	16142.68	830.71	17000.00	296.07
	48100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2726.13	31944.26	4329.61	39000.00	298.35
*	48400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3400.00	0.00	3400.00	294.92
*	48400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.79	10991.21	0.00	11000.00	296.46
*	48400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.34	15907.66	0.00	16000.00	297.15
*	48400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1389.27	29155.78	4454.96	35000.00	299.07
*	48700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3035.80	364.20	3400.00	297.57
	48700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	208.34	7775.66	3016.00	11000.00	298.75
	48700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	979.55	10171.26	4849.19	16000.00	299.41
	48700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4983.98	18284.77	11731.25	35000.00	300.82
	49000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.28	1376.39	1994.33	3400.00	299.33
	49000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	643.30	4291.16	6065.54	11000.00	300.20
	49000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1301.98	5970.99	8727.03	16000.00	300.55
	49000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4806.54	11706.78	18486.69	35000.00	301.76
	49300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.21	1940.82	1365.97	3400.00	299.84
	49300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	714.63	5365.30	4920.07	11000.00	300.91
	49300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1202.96	7495.68	7301.36	16000.00	301.36
	49300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3548.01	15095.90	16356.09	35000.00	302.64

MULTIPLE RUN - BRENDA SU

Summary Printout

	SECNO	XLCH	ELMIN	CWSEL	ELLC	SSTA	STCHL	STCHR	ENDST	TOPWID	TELMX	XLREL	RBEL
*	43600.000	0.00	281.00	281.73	0.00	1931.73	2300.00	2700.00	3032.51	1100.78	285.50	281.00	281.00
*	43600.000	0.00	281.00	282.63	0.00	1847.54	2300.00	2700.00	3072.60	1225.07	285.50	281.00	281.00
*	43600.000	0.00	281.00	283.04	0.00	1809.31	2300.00	2700.00	3090.80	1281.49	285.50	281.00	281.00
*	43600.000	0.00	281.00	284.45	0.00	1677.81	2300.00	2700.00	3153.42	1475.62	285.50	281.00	281.00
	42650.000	20.00	272.00	282.17	0.00	196.43	925.00	1415.00	1473.52	1277.09	285.00	280.00	280.00
	42650.000	20.00	272.00	283.56	0.00	125.26	925.00	1415.00	1511.01	1385.75	285.00	280.00	280.00
	42650.000	20.00	272.00	284.16	0.00	94.39	925.00	1415.00	1527.27	1432.89	285.00	280.00	280.00
	42650.000	20.00	272.00	286.12	0.00	0.00	925.00	1415.00	1550.00	1550.00	285.00	280.00	280.00
	42800.000	150.00	271.00	282.16	0.00	2644.42	3415.00	3710.00	3911.32	748.97	285.00	283.00	281.50
	42800.000	150.00	271.00	283.52	0.00	2441.92	3415.00	3710.00	3929.86	1102.62	285.00	283.00	281.50
	42800.000	150.00	271.00	284.12	0.00	2426.93	3415.00	3710.00	3938.04	1329.14	285.00	283.00	281.50
	42800.000	150.00	271.00	286.15	0.00	1481.27	3415.00	3710.00	3950.00	2468.73	285.00	283.00	281.50
	42900.000	100.00	271.00	282.20	0.00	2766.58	3450.00	3660.00	4070.00	1074.15	286.00	281.00	280.00
	42900.000	100.00	271.00	283.72	0.00	2753.55	3450.00	3660.00	4070.00	1259.97	286.00	281.00	280.00
	42900.000	100.00	271.00	284.39	0.00	2507.65	3450.00	3660.00	4070.00	1562.35	286.00	281.00	280.00
	42900.000	100.00	271.00	286.49	0.00	1461.10	3450.00	3660.00	4655.00	3193.90	286.00	281.00	280.00
	43100.000	300.00	271.00	282.22	0.00	2728.93	3465.00	3785.00	4071.33	1190.38	288.00	280.00	280.00
	43100.000	300.00	271.00	283.79	0.00	2721.10	3465.00	3785.00	4236.33	1515.22	288.00	280.00	280.00
	43100.000	300.00	271.00	284.47	0.00	2717.68	3465.00	3785.00	4308.57	1590.90	288.00	280.00	280.00
	43100.000	300.00	271.00	286.61	0.00	1501.22	3465.00	3785.00	4533.99	3032.77	288.00	280.00	280.00
	43350.000	250.00	271.00	282.22	0.00	1763.89	3580.00	3860.00	3862.22	1742.39	286.00	282.00	282.00
	43350.000	250.00	271.00	282.82	0.00	1755.91	3580.00	3860.00	4228.42	2024.38	286.00	282.00	282.00
	43350.000	250.00	271.00	284.52	0.00	1341.37	3580.00	3860.00	4244.14	2524.52	286.00	282.00	282.00
	43350.000	250.00	271.00	286.69	0.00	1197.26	3580.00	3860.00	4375.00	3049.04	286.00	282.00	282.00
	43600.000	250.00	276.00	282.15	0.00	1476.39	3540.00	3740.00	3750.27	633.59	288.00	282.00	282.00
	43600.000	250.00	276.00	283.49	0.00	1461.52	3540.00	3740.00	4187.48	902.13	288.00	282.00	282.00
	43600.000	250.00	276.00	284.07	0.00	1455.20	3540.00	3740.00	4196.08	1255.04	288.00	282.00	282.00
	43600.000	250.00	276.00	286.19	0.00	1417.21	3540.00	3740.00	4227.87	2398.37	288.00	282.00	282.00
*	43850.000	250.00	276.00	282.30	0.00	3009.21	3580.00	3670.00	3648.40	177.78	285.00	283.00	285.00
*	43850.000	250.00	276.00	285.41	0.00	0.00	3580.00	3670.00	4153.79	1743.65	285.00	283.00	285.00
*	43850.000	250.00	276.00	285.87	0.00	0.00	3580.00	3670.00	4159.95	1876.96	285.00	283.00	285.00
*	43850.000	250.00	276.00	287.36	0.00	0.00	3580.00	3670.00	4179.73	2532.17	285.00	283.00	285.00
	44100.000	250.00	276.80	286.17	0.00	332.20	3520.00	3650.00	4079.00	1089.89	290.00	284.00	285.00
*	44100.000	250.00	276.80	286.46	0.00	324.14	3520.00	3650.00	4082.49	1168.84	290.00	284.00	285.00
*	44100.000	250.00	276.80	287.32	0.00	300.27	3520.00	3650.00	4092.82	1397.92	290.00	284.00	285.00
*	44100.000	250.00	276.80	289.53	0.00	238.84	3520.00	3650.00	4119.40	2471.51	290.00	284.00	285.00

SECNO	XLCH	ELMIN	CWSEL	ELLC	SSTA	STCHL	STCHR	ENDST	TOPWID	TELMX	XLBEL	RBEL
44400.000	300.00	277.00	286.16	0.00	2821.72	3440.00	3545.00	3945.83	504.80	292.00	290.00	290.00
44400.000	300.00	277.00	287.83	0.00	2770.10	3440.00	3545.00	3954.12	774.31	292.00	290.00	290.00
44400.000	300.00	277.00	288.85	0.00	2492.79	3440.00	3545.00	3959.27	973.21	292.00	290.00	290.00
44400.000	300.00	277.00	291.32	0.00	1329.10	3440.00	3545.00	3997.72	2522.14	292.00	290.00	290.00
44700.000	300.00	278.50	286.77	0.00	2855.82	3390.00	3470.00	3952.67	692.57	293.00	285.00	285.00
44700.000	300.00	278.50	289.14	0.00	2571.09	3390.00	3470.00	3976.48	1058.09	293.00	285.00	285.00
44700.000	300.00	278.50	289.91	0.00	2525.20	3390.00	3470.00	3984.13	1225.99	293.00	285.00	285.00
44700.000	300.00	278.50	292.06	0.00	1560.94	3390.00	3470.00	4075.95	2446.34	293.00	285.00	285.00
45000.000	300.00	280.20	287.03	0.00	3139.58	3275.00	3535.00	3871.59	692.86	293.50	285.00	285.00
45000.000	300.00	280.20	289.43	0.00	2704.24	3275.00	3535.00	3910.74	1084.82	293.50	285.00	285.00
45000.000	300.00	280.20	290.24	0.00	2348.94	3275.00	3535.00	3924.81	1517.00	293.50	285.00	285.00
45000.000	300.00	280.20	292.40	0.00	2084.87	3275.00	3535.00	3967.94	1883.07	293.50	285.00	285.00
45300.000	300.00	281.00	287.30	0.00	3247.00	3270.00	3745.00	4031.37	534.10	295.00	285.00	285.00
45300.000	300.00	281.00	289.67	0.00	3223.31	3270.00	3745.00	4081.71	685.13	295.00	285.00	285.00
45300.000	300.00	281.00	290.48	0.00	2582.51	3270.00	3745.00	4098.91	1278.11	295.00	285.00	285.00
45300.000	300.00	281.00	292.71	0.00	1423.75	3270.00	3745.00	4146.54	2365.46	295.00	285.00	285.00
45600.000	300.00	281.50	287.72	0.00	3360.59	3415.00	3665.00	4146.02	548.41	298.00	285.00	285.00
45600.000	300.00	281.50	290.29	0.00	3310.71	3415.00	3665.00	4542.87	1044.41	298.00	285.00	285.00
45600.000	300.00	281.50	291.16	0.00	1942.31	3415.00	3665.00	4617.07	1442.20	298.00	285.00	285.00
45600.000	300.00	281.50	293.21	0.00	1638.04	3415.00	3665.00	4837.48	2506.75	298.00	285.00	285.00
* 45900.000	300.00	287.50	292.41	0.00	1841.68	3335.00	3550.00	4528.83	1015.84	298.00	291.00	291.00
* 45900.000	300.00	287.50	294.06	0.00	1498.87	3335.00	3550.00	4782.85	1702.50	298.00	291.00	291.00
* 45900.000	300.00	287.50	294.61	0.00	1390.20	3335.00	3550.00	4859.47	2258.62	298.00	291.00	291.00
* 45900.000	300.00	287.50	296.56	0.00	691.27	3335.00	3550.00	5104.33	3771.43	298.00	291.00	291.00
46200.000	300.00	285.00	293.16	0.00	2854.00	2935.00	3590.00	4263.48	965.30	298.00	291.00	291.00
46200.000	300.00	285.00	295.23	0.00	1202.64	2935.00	3590.00	4718.71	2584.14	298.00	291.00	291.00
46200.000	300.00	285.00	296.02	0.00	879.95	2935.00	3590.00	4831.19	3063.71	298.00	291.00	291.00
46200.000	300.00	285.00	298.03	0.00	430.48	2935.00	3590.00	4950.00	3874.49	298.00	291.00	291.00
46500.000	300.00	285.00	293.16	0.00	2398.43	2770.00	3185.00	3953.54	897.08	298.00	291.00	291.00
46500.000	300.00	285.00	295.22	0.00	2270.10	2770.00	3185.00	4226.27	1231.18	298.00	291.00	291.00
46500.000	300.00	285.00	296.01	0.00	2270.08	2770.00	3185.00	4290.75	1351.85	298.00	291.00	291.00
46500.000	300.00	285.00	297.98	0.00	2270.04	2770.00	3185.00	4553.87	1693.67	298.00	291.00	291.00
46800.000	300.00	285.00	293.17	0.00	2417.05	2640.00	3280.00	3290.84	873.79	298.00	291.00	291.00
46800.000	300.00	285.00	295.31	0.00	2379.75	2640.00	3280.00	4198.25	1178.19	298.00	291.00	291.00
46800.000	300.00	285.00	296.13	0.00	2365.71	2640.00	3280.00	4325.67	1364.71	298.00	291.00	291.00
46800.000	300.00	285.00	298.35	0.00	2338.00	2640.00	3280.00	4335.00	1551.92	298.00	291.00	291.00
47050.000	300.00	285.00	293.18	0.00	2499.56	2525.00	3240.00	3266.50	766.94	300.00	290.00	290.00
47050.000	300.00	285.00	295.33	0.00	2384.67	2525.00	3240.00	4010.97	1008.62	300.00	290.00	290.00
47050.000	300.00	285.00	296.16	0.00	2371.28	2525.00	3240.00	4208.49	1377.54	300.00	290.00	290.00
47050.000	300.00	285.00	298.42	0.00	2335.30	2525.00	3240.00	4341.89	1656.61	300.00	290.00	290.00

	SECNO	XLCH	ELMIN	CWSEL	ELLC	SSTA	STCHL	STCHR	ENDST	TOPWID	TELMX	XLBEL	RBEL
	47300.000	250.00	280.00	293.18	0.00	2628.19	2660.00	3280.00	3264.84	636.65	300.00	290.00	295.00
	47300.000	250.00	280.00	295.35	0.00	2606.61	2660.00	3280.00	3967.37	778.05	300.00	290.00	295.00
	47300.000	250.00	280.00	296.19	0.00	2598.15	2660.00	3280.00	4134.31	1100.56	300.00	290.00	295.00
	47300.000	250.00	280.00	298.49	0.00	2575.12	2660.00	3280.00	4438.83	1516.29	300.00	290.00	295.00
	47550.000	250.00	280.00	293.19	0.00	2635.51	2660.00	3775.00	3742.92	1117.41	300.00	290.00	295.00
	47550.000	250.00	280.00	295.38	0.00	2601.73	2660.00	3775.00	3786.37	1184.64	300.00	290.00	295.00
	47550.000	250.00	280.00	296.25	0.00	2434.39	2660.00	3775.00	4701.98	1997.49	300.00	290.00	295.00
	47550.000	250.00	280.00	298.70	0.00	2335.89	2660.00	3775.00	4954.40	2348.44	300.00	290.00	295.00
	47800.000	250.00	285.00	293.18	0.00	2134.85	2470.00	3120.00	3094.62	959.76	300.00	291.00	295.00
	47800.000	250.00	285.00	295.35	0.00	2104.22	2470.00	3120.00	3152.98	1048.76	300.00	291.00	295.00
	47800.000	250.00	285.00	296.20	0.00	1911.39	2470.00	3120.00	3889.31	1816.94	300.00	291.00	295.00
	47800.000	250.00	285.00	298.62	0.00	1670.74	2470.00	3120.00	4149.94	2479.20	300.00	291.00	295.00
	48100.000	300.00	287.00	293.17	0.00	2554.14	2525.00	2925.00	2985.39	431.25	301.00	295.00	290.00
	48100.000	300.00	287.00	295.27	0.00	2509.92	2525.00	2925.00	3028.57	518.65	301.00	295.00	290.00
	48100.000	300.00	287.00	296.07	0.00	2147.20	2525.00	2925.00	3053.54	906.34	301.00	295.00	290.00
	48100.000	300.00	287.00	298.35	0.00	1985.09	2525.00	2925.00	4012.61	2027.52	301.00	295.00	290.00
*	48400.000	300.00	292.00	294.92	0.00	2397.85	2265.00	2900.00	2780.69	382.84	304.00	296.00	297.60
*	48400.000	300.00	292.00	296.46	0.00	2337.11	2265.00	2900.00	2849.55	612.44	304.00	296.00	297.60
*	48400.000	300.00	292.00	297.15	0.00	2196.32	2265.00	2900.00	2879.84	683.62	304.00	296.00	297.60
*	48400.000	300.00	292.00	299.07	0.00	1568.26	2265.00	2900.00	3842.63	2054.27	304.00	296.00	297.60
*	48700.000	300.00	296.00	297.57	0.00	1862.78	1820.00	2410.00	2922.12	1059.34	304.00	298.00	297.30
	48700.000	300.00	296.00	298.75	0.00	1435.54	1820.00	2410.00	3141.16	1705.62	304.00	298.00	297.30
	48700.000	300.00	296.00	299.41	0.00	1229.65	1820.00	2410.00	3264.44	2034.79	304.00	298.00	297.30
	48700.000	300.00	296.00	300.82	0.00	827.05	1820.00	2410.00	3441.21	2614.17	304.00	298.00	297.30
	49000.000	300.00	298.00	299.33	0.00	2483.89	2645.00	3080.00	3941.56	1457.67	304.00	298.90	298.00
	49000.000	300.00	298.00	300.20	0.00	2195.32	2645.00	3080.00	4182.90	1987.58	304.00	298.90	298.00
	49000.000	300.00	298.00	300.55	0.00	2124.92	2645.00	3080.00	4205.78	2080.86	304.00	298.90	298.00
	49000.000	300.00	298.00	301.76	0.00	1885.77	2645.00	3080.00	4283.50	2397.73	304.00	298.90	298.00
	49300.000	300.00	298.00	299.84	0.00	2066.25	2275.00	2820.00	3779.69	1713.43	304.00	298.80	298.20
	49300.000	300.00	298.00	300.91	0.00	2001.34	2275.00	2820.00	3853.86	1852.52	304.00	298.80	298.20
	49300.000	300.00	298.00	301.36	0.00	1984.00	2275.00	2820.00	3881.60	1897.59	304.00	298.80	298.20
	49300.000	300.00	298.00	302.64	0.00	1539.21	2275.00	2820.00	3958.03	2418.83	304.00	298.80	298.20

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION   SECNO=42600.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=42600.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=42600.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=42600.000  PROFILE= 4  CRITICAL DEPTH ASSUMED

CAUTION   SECNO=43850.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=43850.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=43850.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=43850.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=43850.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=43850.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=43850.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=43850.000  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=43850.000  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=43850.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=43850.000  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=43850.000  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=44100.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=44100.000  PROFILE= 2  MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=44100.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=44100.000  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=44100.000  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=44100.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=44100.000  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=44100.000  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=45900.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=45900.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=45900.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=45900.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=45900.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=45900.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=45900.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=45900.000  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=45900.000  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=45900.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=45900.000  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=45900.000  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=48400.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=48400.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=48400.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=48400.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=48400.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=48400.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=48400.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=48400.000  PROFILE= 3  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=48400.000  PROFILE= 3  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=48400.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=48400.000  PROFILE= 4  PROBABLE MINIMUM SPECIFIC ENERGY
```

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CAUTION  SECNO=48400.000  PROFILE= 4  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION  SECNO=48700.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=48700.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY
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FLOOD INSURANCE ZONE DATA FOR MULTIPLE RUN - BRENDA SU

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND 10	2	0.2
42600.000	0.	-1.31	-0.41	1.41
42650.000	20.	-1.99	-0.60	1.96
42800.000	170.	-1.95	-0.60	2.03
42900.000	270.	-2.18	-0.66	2.10
43100.000	470.	-2.26	-0.69	2.13
43350.000	720.	-2.30	-0.70	2.17
43600.000	970.	-1.92	-0.58	2.12
43850.000	1220.	-3.57	-0.46	1.48
44100.000	1470.	-1.15	-0.86	2.22
44400.000	1770.	-2.69	-1.02	2.47
44700.000	2070.	-3.14	-0.77	2.15
45000.000	2370.	-3.21	-0.81	2.16
45300.000	2670.	-3.18	-0.81	2.23
45600.000	2970.	-3.44	-0.87	2.06
45900.000	3270.	-2.20	-0.56	1.94
46200.000	3570.	-2.86	-0.79	2.01
46500.000	3870.	-2.85	-0.78	1.98
46800.000	4170.	-2.96	-0.83	2.22
47050.000	4470.	-2.98	-0.83	2.26
47300.000	4720.	-3.01	-0.84	2.30
47550.000	4970.	-3.06	-0.87	2.45
47800.000	5220.	-3.02	-0.85	2.42
48100.000	5520.	-2.90	-0.80	2.27
48400.000	5820.	-2.23	-0.68	1.93
48700.000	6120.	-1.84	-0.66	1.41
49000.000	6420.	-1.22	-0.35	1.21
49300.000	6720.	-1.52	-0.45	1.27
WEIGHTED AVG FOR REACH		-2.58	-0.73	2.05

FHF FOR THE REACH = 025 WITH 91.1 PERCENT OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

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U.S. ARMY CORPS OF ENGINEERS
THE HYDROLOGIC ENGINEERING CENTER
609 SECOND STREET, SUITE D
DAVIS, CALIFORNIA 95616
(916) 440-2105 (FTS) 448-2105
```

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X      X  XXXXXXX   XXXXX              XXXXX
X      X  X         X     X            X     X
X      X  X         X                        X
XXXXXXX   XXXX      X           XXXXX    XXXXX
X      X  X         X                  X
X      X  X         X     X            X
X      X  XXXXXXX    XXXXX             XXXXXXX
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THIS RUN EXECUTED 28-MAR-84 12:02:23

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*****************************************************
 HEC1 RELEASE DATED NOV 76 UPDATED MAR  1982
 EPTSK CORE -  01,02,03,04,05
 ADD PROGRAM -  50,51,52,53,54,55
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R
T1      INDIAN BEND WASH U/S OF DROP STRUCTURE @ INDIAN BEND ROAD
T2      SCOTTSDALE, ARIZONA
T3      FLOODWAY RUN - BRENDA SULLIVAN - D&D - BS1BWEDW3.IN

J1  NRTIO     IND       NTIM      IDIR      STPT      METRIC    HVINS     Q         WSEL      FQ

     0.       4.        0.        0.   0.000000      0.00      0.0       0.    282.980   0.000

J2  NROUP     IPLOT     PRFVS     XSECV     XSECH     TN        ALLDC     IBW       CHNIM     ITRACE

    1.000     0.000    -1.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   38.000    39.000    52.000    53.000    27.000    31.000     4.000    22.000    28.000    54.000

    1.000    23.000    24.000    38.000    11.000    12.000     3.000    10.000     1.000    52.000

   41.000    57.000     4.000    35.000    38.000    39.000    38.000    41.000    40.000    45.000

   44.000    49.000    47.000    46.000    13.000    14.000    15.000    43.000     1.000   200.000

J5  LPRNT    NUMSEC                    ********REQUESTED SECTION NUMBERS********

  -10.000   -10.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000

NC      0.035     0.035     0.025     0.100     0.400     0.000     0.000     0.000     0.000     0.000
ET      2.000  3500.000 12000.000 17000.000 39000.000 17000.000 17000.000 17000.000     0.000     0.000
CT      0.000     0.000     0.000     0.000     0.000     9.110     0.000     0.000  2080.680  2882.670
                UPSTREAM OF DROP STRUCTURE AT INDIAN BEND ROAD
X1  42000.000     7.000  2300.000  2700.000   210.000   226.000   210.000     0.000     0.000     0.000
GR    288.500     0.000   288.500  1300.000   281.000  2000.000   281.000  2300.000   281.000  2700.000
GR    281.000  3000.000   285.500  3200.000     0.000     0.000     0.000     0.000     0.000     0.000

ET      0.000     0.000     0.000     0.000     0.000     9.110     0.000     0.000   160.000  1500.000
X1  42650.000     8.000   925.000  1415.000   275.000    20.000    20.000     0.000     0.000     0.000
GR    286.000     0.000   282.000   205.000   272.000   350.000   272.000   455.000   281.000   540.000
GR    280.000   925.000   280.000  1415.000   285.000  1550.000     0.000     0.000     0.000     0.000
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[illegible]	[illegible]	0.000	0.000	0.000	0.000	9.110	0.000	0.000	3600.000	3950.000
[illegible]	[illegible]	[illegible]	3415.000	3710.000	150.000	60.000	150.000	0.000	0.000	0.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	283.500	2450.000	282.000	2675.000	271.000	2810.000
GI	[illegible]	[illegible]	284.000	2990.000	284.000	3135.000	285.000	3250.000	283.000	3415.000
GR	[illegible]	1516.000	281.500	3560.000	281.500	3710.000	281.700	3905.000	285.000	3950.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2600.000	3950.000
XI	42900.000	17.000	3450.000	3660.000	275.000	60.000	100.000	0.000	0.000	0.000
GI	289.000	0.000	285.000	3330.000	284.000	2620.000	284.000	2750.000	271.000	2870.000
GR	271.000	2620.000	284.000	3130.000	283.500	3230.000	281.000	3450.000	280.000	3530.000
GI	275.000	3530.000	280.000	3660.000	281.500	3775.000	281.800	3910.000	282.000	4070.000
GR	285.000	4070.000	286.000	4655.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2540.000	4070.000
OH	4.000	10.000	3715.000	0.035	3455.000	0.035	3785.000	0.035	4655.000	0.000
XI	41100.000	18.000	3465.000	3785.000	180.000	130.000	200.000	0.000	0.000	0.000
GR	290.000	0.000	286.000	1775.000	285.000	2715.000	282.000	2730.000	271.000	2840.000
GR	271.000	3030.000	282.000	3120.000	283.200	3305.000	282.000	3305.000	281.000	3385.000
GR	280.000	3465.000	275.000	3610.000	275.000	3690.000	280.000	3785.000	281.300	3975.000
GR	285.000	4365.000	286.000	4480.000	288.000	4655.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1490.000	4480.000
NH	4.000	10.000	3685.000	0.035	3580.000	0.035	3860.000	0.035	4375.000	0.000
XI	43350.000	37.000	3580.000	3860.000	365.000	220.000	250.000	0.000	0.000	0.000
GR	296.000	0.000	290.000	605.000	289.500	1045.000	288.000	1110.000	285.000	1310.000
GR	284.000	1375.000	284.000	1755.000	280.000	1775.000	280.000	1885.000	282.000	1920.000
GR	282.000	2015.000	280.000	2300.000	280.000	2570.000	281.000	2685.000	280.000	2850.000
GI	271.000	2970.000	271.000	3105.000	280.000	3200.000	286.000	3250.000	283.000	3330.000
GR	285.000	3385.000	283.000	3415.000	283.000	3555.000	282.000	3580.000	280.000	3595.000
GR	276.000	3665.000	276.000	3740.000	276.000	3765.000	280.000	3815.000	282.000	3860.000
GR	285.000	3890.000	288.000	4020.000	285.000	4185.000	283.000	4210.000	285.000	4255.000
GR	285.000	4230.000	286.000	4375.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1470.000	4330.000
NH	4.000	10.000	2655.000	0.035	3540.000	0.025	3740.000	0.035	4255.000	0.000
XI	43600.000	37.000	3540.000	3740.000	225.000	260.000	250.000	0.000	0.000	0.000
GR	296.100	0.000	290.000	620.000	290.000	880.000	291.000	985.000	290.000	1020.000
GI	288.000	1190.000	288.000	1300.000	288.200	1330.000	288.000	1375.000	285.000	1445.000
GR	280.000	1500.000	280.000	1590.000	285.000	1640.000	288.000	1795.000	288.000	1945.000
GR	285.000	2060.000	284.000	2310.000	284.000	2500.000	285.000	2655.000	285.000	2890.000
GR	281.000	2965.000	280.000	3020.000	280.000	3160.000	285.000	3310.000	289.000	3375.000
GR	283.000	3490.000	282.000	3540.000	280.000	3545.000	276.000	3605.000	276.000	3655.000
GR	280.000	3700.000	282.000	3740.000	283.000	3810.000	284.000	3880.000	285.000	4100.000
GR	283.000	4180.000	288.000	4255.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	155.000	4200.000
NH	4.000	10.000	2500.000	0.035	3580.000	0.025	3670.000	0.035	4195.000	0.000
XI	43850.000	38.000	3580.000	3670.000	240.000	250.000	250.000	0.000	0.000	0.000
GR	355.000	0.000	290.000	155.000	290.000	260.000	289.000	375.000	286.000	610.000
GR	283.000	840.000	283.000	1245.000	291.000	1280.000	289.000	1525.000	289.200	1780.000
GR	288.500	1940.000	288.300	2185.000	287.000	2365.000	289.000	2435.000	286.000	2500.000
GR	286.000	2700.000	284.000	2795.000	283.000	2955.000	281.000	3110.000	285.000	3140.000
GR	284.500	3220.000	285.000	3300.000	288.000	3350.000	285.000	3425.000	284.000	3475.000

GI	284.000	3580.000	280.000	3585.000	276.000	3610.000	280.000	3630.000	285.000	3670.000
GR	290.000	3795.000	284.000	3790.000	284.000	3910.000	285.000	4005.000	286.000	4030.000
GI	287.000	4070.000	284.000	4135.000	288.500	4195.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	0.000	4080.000
NH	4.000	10.000	2725.000	0.035	3520.000	0.025	3650.000	0.035	4125.000	0.000
XI	44100.000	33.000	3520.000	3650.000	250.000	375.000	250.000	0.000	0.000	0.000
GF	295.000	0.000	294.000	115.000	283.000	420.000	283.000	765.000	292.000	805.000
GR	292.000	1145.000	290.000	1355.000	290.000	1940.000	289.400	2085.000	288.700	2365.000
GI	288.000	2725.000	291.000	2815.000	292.000	2895.000	290.000	2910.000	286.000	2940.000
GR	285.000	2980.000	283.000	3040.000	283.000	3120.000	285.000	3150.000	288.000	3195.000
GI	350.000	3315.000	288.000	3395.000	284.000	3520.000	280.000	3555.000	276.800	3590.000
GR	280.000	3615.000	285.000	3650.000	290.000	3690.000	285.000	3735.000	287.000	3885.000
GI	289.000	4005.000	285.000	4065.000	290.000	4125.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2585.000	4015.000
NH	0.035	0.035	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000
XI	44400.000	30.000	3440.000	3545.000	250.000	340.000	300.000	0.000	0.000	0.000
GF	295.000	0.000	294.000	220.000	292.000	870.000	291.300	1335.000	290.700	1745.000
GR	290.000	2070.000	288.700	2550.000	289.000	2660.000	292.000	2720.000	287.000	2780.000
GI	285.000	2880.000	288.000	2945.000	285.000	3005.000	283.000	3050.000	285.000	3135.000
GR	287.000	3270.000	290.000	3315.000	293.000	3390.000	290.000	3440.000	285.000	3442.000
GI	277.000	3475.000	285.000	3520.000	290.000	3545.000	290.000	3600.000	285.000	3630.000
GR	291.000	3750.000	285.000	3885.000	286.000	3945.000	290.000	3965.000	292.000	4015.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2460.000	3985.000
XI	44700.000	37.000	3390.000	3470.000	300.000	260.000	300.000	0.000	0.000	0.000
GF	295.000	0.000	296.500	170.000	296.000	280.000	295.000	520.000	294.000	680.000
GR	293.300	1510.000	290.000	2180.000	290.000	2520.000	288.000	2640.000	290.000	2775.000
GF	285.000	2900.000	284.000	2965.000	285.000	3015.000	285.000	3110.000	290.000	3155.000
GR	291.000	3310.000	290.000	3375.000	285.000	3390.000	278.500	3440.000	285.000	3470.000
GF	290.000	3515.000	285.000	3695.000	285.000	3895.000	286.000	3945.000	291.000	3995.000
GR	292.000	4075.000	293.000	4090.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	3270.000	3980.000
NH	4.000	10.000	1750.000	0.035	3275.000	0.025	3535.000	0.035	4005.000	0.000
XI	45300.000	36.000	3275.000	3335.000	400.000	245.000	300.000	0.000	0.000	0.000
XA	1.000	1293.500	1750.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GF	299.000	0.000	298.000	105.000	297.000	200.000	296.000	320.000	294.000	540.000
GR	294.000	845.000	294.700	1230.000	292.000	1535.000	292.000	2085.000	290.000	2385.000
GF	289.000	2945.000	291.000	3060.000	286.000	3160.000	285.000	3275.000	280.200	3310.000
GR	285.000	3340.000	288.000	3395.000	285.000	3460.000	280.200	3500.000	285.000	3535.000
GI	287.000	3565.000	286.000	3675.000	286.000	3855.000	290.000	3920.000	293.000	3980.000
GR	293.500	4005.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2045.000	4195.000
NH	4.000	10.000	2345.000	0.035	3270.000	0.035	3745.000	0.035	4195.000	0.000
XI	45300.000	26.000	3270.000	3745.000	260.000	300.000	300.000	0.000	0.000	0.000
GR	299.000	0.000	296.000	205.000	297.000	345.000	296.000	440.000	295.000	485.000
GR	295.000	590.000	295.500	665.000	295.000	725.000	294.000	1110.000	292.000	1600.000
GR	293.300	2090.000	291.000	2345.000	290.000	2800.000	290.000	3100.000	292.000	3145.000
GR	290.000	3220.000	285.000	3270.000	281.000	3310.000	285.000	3350.000	295.000	3525.000
GR	285.000	3675.000	281.000	3715.000	285.000	3745.000	287.000	3800.000	287.000	4025.000
GR	295.000	4195.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1820.000	4090.000
NH	5.000	10.000	1865.000	0.035	3415.000	0.025	3665.000	0.035	4080.000	10.000
NH	4830.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	45700.000	0.000	3415.500	3665.000	375.000	305.000	300.000	0.000	0.000	0.000
GI	299.000	1.000	298.000	300.000	297.000	600.000	296.000	695.000	296.000	815.000
GR	295.000	1165.000	294.000	1485.000	293.000	1875.000	291.000	1955.000	292.000	2015.000
GF	292.000	2195.000	295.000	2315.000	300.000	2465.000	295.000	2610.000	291.000	2770.000
GR	291.000	2880.000	294.000	2965.000	292.000	3050.000	300.000	3165.000	290.000	3315.000
GF	285.000	3415.000	281.500	3515.000	285.000	3540.000	290.000	3585.000	285.000	3610.000
GR	281.500	3635.000	287.000	3665.000	292.000	3760.000	283.000	3855.000	283.000	3910.000
GI	283.000	3955.000	290.000	4050.000	290.000	4080.000	288.000	4103.000	287.500	4135.000
GR	288.000	4160.000	290.000	4183.000	291.000	4198.000	291.000	4285.000	290.300	4330.000
GF	290.000	4408.000	290.000	4500.000	290.300	4545.000	291.000	4592.000	292.000	4750.000
GR	293.000	4800.000	292.000	4815.000	293.000	4825.000	294.000	4883.000	294.000	4910.000
GF	295.000	4930.000	296.000	5300.000	298.000	5430.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1600.000	3870.000
NH	5.000	10.000	2200.000	0.035	3335.000	0.025	3550.000	0.035	3970.000	10.000
NH	5245.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	45900.000	49.000	3335.000	3550.000	250.000	315.000	300.000	0.000	0.000	0.000
GR	299.000	1.000	298.000	360.000	297.000	585.000	296.000	825.000	295.000	1170.000
GF	295.000	1315.000	294.000	1510.000	297.600	1640.000	295.000	1740.000	292.200	1850.000
GR	293.100	2000.000	295.000	2090.000	300.000	2200.000	297.000	2295.000	296.000	2425.000
GF	300.000	2605.000	293.000	2755.000	295.000	2850.000	293.000	2975.000	291.000	3025.000
GR	295.000	3335.000	295.000	3300.000	291.000	3335.000	290.000	3445.000	291.000	3550.000
GF	291.000	3695.000	293.000	3760.000	295.000	3795.000	299.000	3930.000	295.000	3970.000
GR	294.000	4038.000	290.000	4050.000	288.000	4083.000	287.500	4102.000	288.000	4123.000
GF	290.000	4140.000	291.000	4148.000	292.000	4320.000	292.000	4354.000	292.000	4436.000
GR	291.000	4474.000	294.000	4496.000	292.000	4507.000	293.000	4560.000	294.000	4593.000
GF	294.300	4620.000	294.000	4775.000	296.000	5050.000	298.000	5245.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1790.000	3680.000
NH	5.000	10.000	2200.000	0.035	2935.000	0.035	3590.000	0.035	3640.000	10.000
NH	4920.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	46200.000	47.000	2935.000	3590.000	150.000	410.000	300.000	0.000	0.000	0.000
GR	299.000	1.000	299.000	165.000	298.000	440.000	297.000	630.000	296.000	885.000
GF	293.300	1170.000	295.000	1315.000	294.000	1545.000	295.000	2060.000	296.000	2090.000
GR	302.000	2260.000	297.000	2310.000	297.000	2430.000	301.000	2515.000	295.000	2600.000
GF	295.000	2765.000	292.000	2910.000	291.000	2935.000	285.000	3025.000	285.000	3230.000
GR	285.000	3475.000	285.000	3530.000	291.000	3590.000	295.000	3615.000	297.000	3640.000
GF	310.000	3640.100	310.000	3845.000	310.000	4020.000	295.000	4020.100	292.000	4065.000
GR	291.000	4085.000	292.000	4130.000	292.000	4150.000	290.000	4170.000	290.000	4180.000
GF	289.500	4200.000	290.000	4223.000	292.000	4235.000	293.000	4250.000	294.000	4335.000
GR	294.100	4337.000	294.000	4339.000	293.600	4430.000	293.600	4490.000	294.000	4540.000
GF	296.000	4830.000	298.000	4950.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2270.000	3750.000
NH	5.000	10.000	2360.000	0.035	2770.000	0.025	3185.000	0.035	3230.100	10.000
NH	4555.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

[illegible]	[illegible]	[illegible]	2770.000	3185.000	135.000	335.000	300.000	0.000	0.000	0.000
[illegible]	300.000	[illegible]	295.000	2270.100	297.000	2360.000	293.000	2400.000	292.000	2450.000
[illegible]	291.000	[illegible]	291.000	2665.000	292.000	2755.000	291.000	2770.000	285.000	2850.000
GI	[illegible]	[illegible]	285.000	3060.000	285.000	3115.000	291.000	3185.000	296.000	3230.000
GR	310.000	[illegible]	310.000	3730.000	296.000	3730.100	297.000	3815.000	296.000	3845.000
GI	295.000	3852.000	292.000	3869.000	291.100	3909.000	292.000	3920.000	293.000	3946.000
GR	294.000	4094.000	294.200	4023.000	294.000	4047.000	294.600	4175.000	296.000	4290.000
GR	297.100	4415.000	310.000	4415.100	310.000	4505.000	297.400	4505.100	298.000	4555.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2300.000	3410.000
NH	4.000	0.035	2640.000	0.025	3280.000	0.035	3340.100	10.000	4335.000	0.000
XI	46800.000	34.000	2640.000	3280.000	410.000	205.000	300.000	0.000	0.000	0.000
GI	300.000	2300.000	295.000	2385.000	291.000	2455.000	291.000	2545.000	292.000	2600.000
GR	291.000	2640.000	285.000	2715.000	285.000	2970.000	285.000	3010.000	285.000	3140.000
GI	285.000	3195.000	291.000	3280.000	295.000	3300.000	298.000	3340.000	310.000	3340.100
GR	310.000	3795.000	297.000	3795.100	297.600	3860.000	296.000	3915.000	294.000	3940.000
GI	295.400	3990.000	294.800	4105.000	296.000	4325.000	298.000	4335.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2415.000	3400.000
NH	4.000	0.035	2525.000	0.025	3240.000	0.035	3315.100	10.000	4500.000	0.000
XI	47050.000	34.000	2525.000	3240.000	410.000	200.000	300.000	0.000	0.000	0.000
GI	300.000	2200.000	300.000	2310.000	295.000	2390.000	300.000	2440.000	295.000	2485.000
GR	290.000	2525.000	285.000	2590.000	285.000	2725.000	285.000	2820.000	285.000	3000.000
GI	285.000	3125.000	290.000	3240.000	299.000	3315.000	315.000	3315.100	315.000	3630.000
GR	298.000	3630.100	298.000	3660.000	296.000	3680.000	294.000	3705.000	295.700	3760.000
GR	295.100	3945.000	296.000	4200.000	298.000	4300.000	300.000	4500.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2600.000	3300.000
NH	4.000	0.035	2660.000	0.025	3280.000	0.035	3350.100	10.000	4585.000	0.000
XI	47500.000	17.000	2660.000	3280.000	230.000	210.000	250.000	0.000	0.000	0.000
GI	300.000	2560.000	290.000	2660.000	280.000	2780.000	280.000	2940.000	280.000	3080.000
GR	280.000	3155.000	295.000	3280.000	299.000	3350.000	315.000	3350.100	315.000	3650.000
GI	299.000	3650.100	298.000	3735.000	294.000	3750.000	295.900	3800.000	295.200	3940.000
GR	297.000	4295.000	300.000	4585.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2580.000	3800.000
NC	0.035	0.035	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000
XI	47550.000	31.000	2660.000	3775.000	380.000	180.000	250.000	0.000	0.000	0.000
GR	308.000	1.000	307.000	350.000	304.000	940.000	303.000	1040.000	320.000	1040.100
GR	320.000	1200.000	302.000	1200.100	301.500	1465.000	301.000	1570.000	320.000	1570.100
GR	320.000	1730.000	300.500	1730.100	300.000	1915.000	299.000	2295.000	298.000	2430.000
GR	296.000	2435.000	296.000	2595.000	290.000	2660.000	280.000	2925.000	280.000	3415.000
GR	280.000	3510.000	295.000	3775.000	296.000	3805.000	315.000	3805.100	315.000	4075.000
GR	296.000	4075.100	296.000	4150.000	295.500	4420.000	296.000	4670.000	298.000	4930.000
GR	300.000	5000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2250.000	3290.000
XI	47800.000	39.000	2470.000	3120.000	240.000	240.000	250.000	0.000	0.000	0.000
GR	305.000	1.000	304.000	25.000	303.000	240.000	320.000	240.100	320.000	435.000
GR	301.700	435.100	301.500	540.000	302.500	750.000	320.000	750.100	320.000	1000.000
GR	301.000	1000.100	300.000	1200.000	299.000	1570.000	298.000	1835.000	296.000	1920.000
GR	296.000	2095.000	290.000	2180.000	291.000	2470.000	290.000	2655.000	285.000	2760.000
GR	285.000	2830.000	285.000	2880.000	290.000	3050.000	295.000	3120.000	296.800	3290.000
GR	296.000	3430.000	296.000	3865.000	298.000	4105.000	300.000	4250.000	0.000	0.000

[illegible]	[illegible]	[illegible]	0.000	0.000	0.000	9.110	0.000	0.000	2400.000	3300.000
[illegible]	[illegible]	[illegible]	[illegible]	2925.000	250.000	330.000	300.000	0.000	0.000	0.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	320.000	460.100	320.000	640.000	302.000	640.100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	320.000	950.100	320.000	1080.000	301.000	1080.100
[illegible]	[illegible]	[illegible]	[illegible]	1485.000	299.000	1740.000	320.000	1740.100	320.000	1985.000
GR	[illegible]	[illegible]	[illegible]	2160.000	296.000	2470.000	295.000	2525.000	290.000	2605.000
GR	[illegible]	[illegible]	[illegible]	2885.000	290.000	2925.000	295.000	3020.000	297.400	3095.000
GI	[illegible]	3460.000	[illegible]	3900.000	300.000	4150.000	304.000	4520.000	0.000	0.000
XI	[illegible]	3400.000	11000.000	16000.000	35000.000	16000.000	16000.000	16000.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2200.000	3020.000
XI	48400.000	35.000	2365.000	2900.000	250.000	330.000	300.000	0.000	0.000	0.000
GR	304.500	0.000	303.500	335.000	303.000	430.000	320.000	430.100	320.000	560.000
GR	303.500	560.100	302.000	860.000	320.000	860.100	320.000	1015.000	301.000	1015.100
GR	500.000	1295.000	299.000	1590.000	298.500	1780.000	320.000	1780.100	320.000	2000.000
GR	298.500	2000.100	294.000	2145.000	296.000	2265.000	294.000	2510.000	292.000	2565.000
GR	[illegible]4.000	2740.000	297.000	2900.000	297.300	3570.000	300.000	3985.000	304.000	4300.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	1845.000	2645.000
XI	48700.000	15.000	1820.000	2410.000	400.000	220.000	300.000	0.000	0.000	0.000
GR	304.000	0.000	302.000	295.000	320.000	305.000	320.000	510.000	302.000	510.100
GI	300.000	1045.000	298.700	1450.000	298.000	1820.000	296.000	2020.000	296.200	2235.000
GR	297.000	3410.000	297.000	2620.000	297.400	2890.000	300.000	3375.000	304.000	3700.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2645.000	3724.970
XI	49000.000	18.000	2645.000	3080.000	390.000	380.000	300.000	0.000	0.000	0.000
GR	302.000	0.000	302.000	185.000	320.000	185.100	320.000	380.000	306.500	380.000
GR	304.500	670.000	320.000	650.000	320.000	770.000	304.500	770.000	303.000	1395.000
GI	302.500	1335.000	300.000	2235.000	298.900	2645.000	298.000	3985.000	298.000	3080.000
GR	298.150	3530.000	300.000	4170.000	304.000	4430.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	0.000	9.110	0.000	0.000	2275.000	3536.770
XI	45200.000	14.000	2275.000	2820.000	360.000	260.000	300.000	0.000	0.000	0.000
GR	302.500	0.000	306.000	610.000	304.000	1335.000	302.000	1685.000	302.000	1960.000
GR	300.000	2035.000	298.250	2275.000	298.000	2465.000	298.600	2675.000	298.200	2820.000
GI	298.900	3250.000	299.000	3670.000	300.000	3800.000	304.000	4040.000	0.000	0.000
XI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 28-MAR-84 12:02:45

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 NECC RELEASE DATED SEP 76 UPDATED MAR  1983
 ERROR CODE -  01,02,03,04,05
 MODIFICATION -  50,51,52,53,54,55
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T1
T2
T3

I1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	EQ
	-10.	6.	0.	0.	0.000000	0.00	0.0	0.	283.400	0.000
I2	APROX	TPLOT	PREVS	XSECV	XSECH	EN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 28-MAR-84 12:02:53

2930
1864
566

9195
155
9040

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*****************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAR  1982
  ERROR CODE -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

FLOODWAY RUN - BRENDA SU

SUMMARY PRINTOUT

	SECNO	XLCH	DIFKWS	SSTA	STENCL	STCHL	TOPWID	STCHR	STENCR	ENDST	CWSEL	XLBEL	RBEL
*	42600.000	0.00	0.06	1809.31	0.00	2300.00	1281.49	2700.00	0.00	3090.80	283.04	281.00	281.00
*	42600.000	0.00	0.42	2080.68	2080.68	2300.00	801.99	2700.00	2882.67	2882.67	283.47	281.00	281.00
	42650.000	20.00	0.00	94.39	0.00	925.00	1432.89	1415.00	0.00	1527.27	284.16	280.00	280.00
	42650.000	20.00	0.78	160.00	160.00	925.00	1340.00	1415.00	1500.00	1500.00	284.94	280.00	280.00
	42800.000	150.00	0.00	2426.93	0.00	3415.00	1329.14	3710.00	0.00	3938.04	284.12	283.00	281.50
	42800.000	150.00	0.80	2600.00	2600.00	3415.00	? 1331.70	3710.00	3950.00	3948.87	284.91	283.00	281.50
	42900.000	100.00	0.00	2507.65	0.00	3450.00	1562.35	3660.00	0.00	4070.00	284.39	281.00	280.00
	42900.000	100.00	0.70	2600.00	2600.00	3450.00	1350.00	3660.00	3950.00	3950.00	285.09	281.00	280.00
	43100.000	200.00	0.00	2717.68	0.00	3465.00	1590.90	3785.00	0.00	4308.57	284.47	280.00	280.00
	43100.000	200.00	0.68	2576.59	2540.00	3465.00	1493.41	3785.00	4070.00	4070.00	285.15	280.00	280.00
	43350.000	250.00	0.00	1341.57	0.00	3580.00	2524.52	3860.00	0.00	4244.14	284.52	282.00	282.00
	43350.000	250.00	0.67	1490.00	1490.00	3580.00	? 2543.32	3860.00	4480.00	4338.38	285.19	282.00	282.00
	43600.000	250.00	0.00	1455.20	0.00	3540.00	1255.04	3740.00	0.00	4196.08	284.07	282.00	282.00
	43600.000	250.00	0.68	1470.00	1470.00	3540.00	? 1910.02	3740.00	4330.00	4209.34	284.95	282.00	282.00
*	43850.000	250.00	0.00	0.00	0.00	3580.00	1876.96	3670.00	0.00	4159.95	285.87	283.00	285.00
*	43850.000	250.00	0.06	615.62	155.00	3580.00	? 1864.18	3670.00	4200.00	4160.69	285.93	283.00	285.00
*	44100.000	250.00	0.00	300.27	0.00	3520.00	1397.92	3650.00	0.00	4092.82	287.32	284.00	285.00
*	44100.000	250.00	-0.01	300.44	0.00	3520.00	? 1368.56	3650.00	4080.00	4065.00	287.31	284.00	285.00
	44400.000	300.00	0.00	2492.79	0.00	3440.00	973.21	3545.00	0.00	3959.27	288.85	290.00	290.00
	44400.000	300.00	0.06	2585.00	2585.00	3440.00	? 905.70	3545.00	4015.00	3959.55	288.91	290.00	290.00
	44700.000	300.00	0.00	2525.20	0.00	3390.00	1225.99	3470.00	0.00	3984.13	289.91	285.00	285.00
	44700.000	300.00	0.01	2524.64	2460.00	3390.00	? 1228.02	3470.00	3985.00	3984.23	289.92	285.00	285.00

DEPTH	STEP	ROTPWR	SSTA	STENCL	STCHL	TOPWTD	STCHR	STENCR	ENDST	CWSEL	XLBEL	RBEL
45000.000	300.00	0.00	3348.94	0.00	3275.00	1517.00	3535.00	0.00	3924.81	290.24	285.00	285.00
45000.000	300.00	0.01	3347.82	2370.00	3275.00	1516.78	3535.00	3980.00	3924.95	290.25	285.00	285.00
45300.000	300.00	0.00	2581.51	0.00	3270.00	1278.11	3745.00	0.00	4098.91	290.48	285.00	285.00
45300.000	300.00	0.01	2579.82	2045.00	3270.00	1281.47	3745.00	4195.00	4099.03	290.48	285.00	285.00
45600.000	300.00	0.00	1942.31	0.00	3415.00	1442.30	3665.00	0.00	4617.07	291.16	285.00	285.00
45600.000	300.00	-0.14	1945.23	1820.00	3415.00	906.10	3665.00	4090.00	4090.00	291.12	285.00	285.00
45900.000	300.00	0.00	1390.20	0.00	3335.00	2258.62	3550.00	0.00	4859.47	294.61	291.00	291.00
45900.000	300.00	0.13	1750.02	1600.00	3335.00	1292.13	3550.00	3870.00	3796.54	294.74	291.00	291.00
46200.000	300.00	0.00	879.95	0.00	2935.00	3063.71	3590.00	0.00	4831.19	296.02	291.00	291.00
46200.000	300.00	0.13	1790.00	1790.00	2935.00	1348.57	3590.00	3680.00	3629.42	296.15	291.00	291.00
46500.000	300.00	0.00	2270.08	0.00	2770.00	1351.85	3185.00	0.00	4290.75	296.01	291.00	291.00
46500.000	300.00	0.13	2270.08	2270.00	2770.00	924.63	3185.00	3750.00	3742.03	296.14	291.00	291.00
46800.000	300.00	0.00	2365.71	0.00	2640.00	1364.71	3280.00	0.00	4325.67	296.13	291.00	291.00
46800.000	300.00	0.13	2363.53	2300.00	2640.00	953.30	3280.00	3410.00	3316.84	296.26	291.00	291.00
47050.000	300.00	0.00	2371.28	0.00	2525.00	1377.54	3240.00	0.00	4308.49	296.16	290.00	290.00
47050.000	300.00	0.13	2473.33	2415.00	2525.00	819.14	3240.00	3400.00	3292.47	296.29	290.00	290.00
47300.000	250.00	0.00	2598.15	0.00	2660.00	1100.56	3280.00	0.00	4134.31	296.19	290.00	295.00
47300.000	250.00	0.13	2600.00	2300.00	2660.00	700.00	3280.00	3300.00	3300.00	296.33	290.00	295.00
47550.000	250.00	0.00	2434.39	0.00	2660.00	1997.49	3775.00	0.00	4701.98	296.25	290.00	295.00
47550.000	250.00	0.12	2580.00	2580.00	2660.00	1320.00	3775.00	3800.00	3800.00	296.37	290.00	295.00
47800.000	250.00	0.00	1911.39	0.00	2470.00	1816.94	3120.00	0.00	3889.31	296.20	291.00	295.00
47800.000	250.00	0.11	2250.00	2250.00	2470.00	994.39	3120.00	3290.00	3244.39	296.32	291.00	295.00
48100.000	300.00	0.00	2147.30	0.00	2525.00	906.34	2925.00	0.00	3053.54	296.07	295.00	290.00
48100.000	300.00	0.14	2400.00	2400.00	2525.00	657.86	2925.00	3300.00	3057.86	296.21	295.00	290.00
48400.000	300.00	0.00	2196.22	0.00	2265.00	683.62	2900.00	0.00	2879.84	297.15	296.00	297.60
48400.000	300.00	0.02	2200.00	2200.00	2265.00	680.65	2900.00	3020.00	2880.65	297.16	296.00	297.60
48700.000	300.00	0.00	1229.65	0.00	1820.00	2034.79	2410.00	0.00	3264.44	299.41	298.00	297.30
48700.000	300.00	-0.16	1845.00	1845.00	1820.00	800.00	2410.00	2645.00	2645.00	299.25	100000.00	297.30
49000.000	300.00	0.00	2124.92	0.00	2645.00	2080.86	3080.00	0.00	4205.78	300.55	298.90	298.00
49000.000	300.00	0.66	2645.00	2645.00	2645.00	1079.97	3080.00	3724.97	3724.97	301.21	298.90	298.00
49300.000	300.00	0.00	1984.00	0.00	2275.00	1897.59	2820.00	0.00	3881.60	301.36	298.80	298.20
49300.000	300.00	0.49	2275.00	2275.00	2275.00	1261.77	2820.00	3536.77	3536.77	301.85	298.80	298.20

SUMMARY PRINTOUT

	SECND	HL	DLOSS	EG	HV	CWSEL	DIFRWS	ELLC	ALPHA	TOPWID	AREA	.01K	XLCH
*	42600.000	0.00	0.00	283.98	0.94	283.04	0.06	0.00	1.13	1281.49	2330.60	1743.97	0.00
*	42600.000	0.00	0.00	284.71	1.25	283.47	0.42	0.00	1.09	801.99	1976.95	1831.08	0.00
	42[illegible].000	0.11	0.17	284.76	0.10	284.16	0.80	0.00	1.03	1432.89	6764.38	10336.94	20.00
	42[illegible].000	0.07	0.35	285.03	0.08	284.94	0.78	0.00	1.02	1340.00	7759.47	12877.67	20.00
	41[illegible].000	0.06	0.07	284.39	0.27	284.12	0.00	0.00	1.16	1329.14	4394.93	6560.48	150.00
	41[illegible].000	0.04	0.04	285.10	0.19	284.91	0.80	0.00	1.12	1331.70	5173.80	8098.05	150.00
	41[illegible].000	0.09	0.03	284.50	0.12	284.39	0.00	0.00	1.13	1562.35	6590.52	10939.19	100.00
	42[illegible].000	0.06	0.02	285.10	0.09	285.09	0.70	0.00	1.09	1350.00	7225.96	12666.76	100.00
	43100.000	0.03	0.01	284.54	0.07	284.47	0.00	0.00	1.16	1590.90	8747.01	16237.61	200.00
	43100.000	0.02	0.01	285.21	0.06	285.15	0.68	0.00	1.11	1493.41	9411.37	18603.14	200.00
	43350.000	0.04	0.00	284.58	0.06	284.52	0.00	0.00	1.40	2524.52	10569.90	12802.93	250.00
	43350.000	0.03	0.00	285.24	0.05	285.19	0.67	0.00	1.51	2543.22	12133.16	14746.67	250.00
	43600.000	0.10	0.37	285.05	0.98	284.07	0.00	0.00	2.12	1255.04	3110.73	3448.52	250.00
	43600.000	0.07	0.21	285.52	0.56	284.95	0.88	0.00	2.54	1910.02	4492.74	4775.43	250.00
*	43850.000	0.79	0.01	286.87	1.00	285.87	0.00	0.00	3.79	1876.96	4132.43	2539.03	250.00
*	43850.000	0.52	0.15	286.87	0.94	285.93	0.06	0.00	3.73	1864.18	4223.35	2618.58	250.00
*	44100.000	0.98	0.19	288.80	1.48	287.32	0.00	0.00	5.58	1397.92	4113.41	2985.07	250.00
*	44100.000	0.96	0.23	288.82	1.51	287.31	-0.01	0.00	5.58	1368.56	4072.53	2961.77	250.00
	44400.000	0.83	0.12	289.75	0.90	288.85	0.00	0.00	1.57	973.21	2807.61	3293.68	300.00
	44400.000	0.82	0.13	289.77	0.86	288.91	0.06	0.00	1.56	905.70	2849.36	3366.05	300.00
	44700.000	0.45	0.10	290.30	0.39	289.91	0.00	0.00	1.56	1225.99	4245.51	5315.35	300.00
	44700.000	0.44	0.10	290.31	0.39	289.92	0.01	0.00	1.56	1228.02	4256.81	5332.42	300.00
	45000.000	0.21	0.00	290.61	0.38	290.24	0.00	0.00	1.45	1517.00	4154.82	5370.70	300.00
	45000.000	0.21	0.00	290.62	0.38	290.25	0.01	0.00	1.45	1518.76	4165.61	5386.04	300.00
	45300.000	0.38	0.10	291.09	0.62	290.48	0.00	0.00	1.34	1278.11	3117.84	4058.15	300.00
	45300.000	0.35	0.10	291.10	0.61	290.48	0.01	0.00	1.34	1281.47	3125.39	4067.26	300.00
	45600.000	0.31	0.06	291.47	0.31	291.16	0.00	0.00	1.45	1442.20	4574.28	6469.91	300.00
	45600.000	0.32	0.05	291.47	0.35	291.12	-0.04	0.00	1.21	906.10	3960.24	6403.10	300.00
*	45900.000	0.45	0.36	295.82	1.20	294.61	0.00	0.00	5.61	2258.62	4576.77	2290.83	300.00
*	45900.000	0.44	0.34	295.95	1.20	294.74	0.13	0.00	2.15	1292.13	2828.03	2446.21	300.00
	46200.000	0.07	0.22	296.11	0.09	296.02	0.00	0.00	2.37	3063.71	10889.98	19646.30	300.00
	46200.000	0.07	0.22	296.24	0.09	296.15	0.13	0.00	1.26	1348.57	8045.46	20106.09	300.00

DEPTH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	DIEKWS	ELLC	ALPHA	TOPWID	AREA	.01K	XLCH
[illegible]	[illegible]	[illegible]	296.17	0.16	296.01	0.00	0.00	1.72	1351.85	6864.19	13376.85	300.00
[illegible]	[illegible]	[illegible]	[illegible]	0.16	296.14	0.13	0.00	1.31	924.63	6101.05	13737.42	300.00
[illegible]	0.05	0.02	296.22	0.08	296.13	0.00	0.00	1.26	1364.71	8231.10	20161.32	300.00
[illegible]	[illegible]	0.02	296.34	0.08	[illegible]	0.13	0.00	1.15	953.30	7972.13	20617.58	300.00
[illegible]	0.02	0.00	296.24	0.08	296.16	0.00	0.00	1.16	1377.54	8268.86	21827.91	300.00
[illegible]	[illegible]	0.00	296.36	0.07	296.29	0.13	0.00	1.04	819.14	7951.47	22271.75	300.00
[illegible]	0.01	0.00	296.25	0.06	296.19	0.00	0.00	1.09	1100.56	8962.27	29063.72	250.00
47300.000	0.01	0.00	296.38	0.06	296.32	0.13	0.00	1.03	700.00	8788.84	29522.59	250.00
[illegible]	0.00	0.01	296.27	0.02	296.25	0.00	0.00	1.06	1997.49	15354.82	49595.41	250.00
[illegible]	0.00	0.01	296.39	0.02	296.37	0.12	0.00	1.02	1220.00	15188.91	50304.97	250.00
47800.000	0.01	0.03	296.31	0.10	296.20	0.00	0.00	1.20	1816.94	7176.39	14308.93	250.00
47800.000	0.01	0.04	296.44	0.12	296.32	0.11	0.00	1.12	994.39	6461.25	13761.33	250.00
48100.000	0.08	0.14	296.52	0.45	296.07	0.00	0.00	1.12	906.34	3361.42	6990.59	300.00
48100.000	0.08	0.12	296.64	0.43	296.21	0.14	0.00	1.12	657.86	3434.05	7227.80	300.00
* [illegible]	0.40	0.36	298.50	1.35	297.15	0.00	0.00	1.03	683.62	1738.94	2001.08	300.00
* 48400.000	0.38	0.36	298.50	1.33	297.16	0.02	0.00	1.03	680.65	1751.23	2022.25	300.00
[illegible]	1.15	0.15	299.84	0.43	299.41	0.00	0.00	1.38	2034.79	3572.51	3085.89	300.00
48700.000	1.26	0.05	300.31	1.06	299.25	-0.16	0.00	1.10	800.00	2030.04	2114.63	300.00
49000.000	1.69	0.01	300.93	0.38	300.55	0.00	0.00	1.20	2080.86	3523.14	2575.84	300.00
49000.000	1.18	0.13	301.62	0.41	301.21	0.66	0.00	1.06	1079.97	3203.71	3227.43	300.00
49300.000	0.61	0.03	301.58	0.22	301.36	0.00	0.00	1.20	1897.59	4656.90	4311.46	300.00
49300.000	0.12	0.03	302.11	0.26	301.85	0.49	0.00	1.12	1261.77	4158.25	4648.49	300.00

[illegible]

SURFACE PROFILES

	SELEV	ELLC	ELTRD	ELLWC	ELGPRS	CLASS	QPR	QWEIR	QLOB	QCH	QROB	Q	CWSEL
*	42600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4902.06	7624.22	4473.71	17000.00	283.04
*	42600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3860.04	9929.74	3210.21	17000.00	283.47
	42[illegible]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11583.70	5150.89	365.41	17000.00	284.16
	42[illegible]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11130.16	5514.37	355.47	17000.00	284.94
	42800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14180.35	1766.63	1053.12	17000.00	284.12
	42800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13266.42	2364.95	1368.64	17000.00	284.91
	42900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11517.92	3573.32	1608.76	17000.00	284.39
	42900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11751.29	3734.88	1513.83	17000.00	285.09
	43100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10060.05	5834.79	1105.16	17000.00	284.47
	43100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9940.63	5878.90	1180.47	17000.00	285.15
	43350.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11348.03	5112.35	39.63	17000.00	284.52
	43350.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11702.47	5214.59	82.94	17000.00	285.19
	43600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5333.13	11253.82	413.06	17000.00	284.07
	43600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5823.33	10256.28	920.39	17000.00	284.95
*	43850.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8945.26	6383.80	1670.94	17000.00	285.87
*	43850.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8990.65	6290.69	1718.66	17000.00	285.93
*	44100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5299.79	10808.77	891.44	17000.00	287.32
*	44100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5321.91	10877.06	801.03	17000.00	287.31
	44400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8164.13	6838.73	1997.14	17000.00	288.85
	44400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8208.02	6771.40	2020.58	17000.00	288.91
	44700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5845.41	4987.55	6167.04	17000.00	289.91
	44700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5849.22	4980.95	6169.83	17000.00	289.92
	45000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2966.67	9231.33	4801.99	17000.00	290.24
	45000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2973.23	9223.72	4803.05	17000.00	290.25
	45300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	742.59	11542.34	4715.07	17000.00	290.48
	45300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	747.28	11535.09	4717.63	17000.00	290.48
	45600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	982.38	9303.40	6714.22	17000.00	291.16
	45600.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	973.45	9315.45	6711.09	17000.00	291.12
*	45900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3124.92	10018.81	3856.26	17000.00	294.61
*	45900.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3263.57	9883.78	3852.65	17000.00	294.74
	46200.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	428.47	16506.86	64.67	17000.00	296.02
	46200.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	459.13	16478.45	62.41	17000.00	296.15

	SECNO	ELEV	ELTRD	ELLOC	ELPRS	CLASS	QPR	QWEIR	QLOB	QCH	QROB	Q	CWSEL
	46[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2532.13	14352.90	114.98	17000.00	296.01
	46[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2569.49	14291.97	118.54	17000.00	296.14
	46[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1101.23	15848.75	50.02	17000.00	296.13
	46[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1129.25	15818.41	52.34	17000.00	296.26
	47[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.41	16768.56	111.03	17000.00	296.16
	47[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.98	16764.58	114.44	17000.00	296.29
	47[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.51	16897.16	2.34	17000.00	296.19
	47300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.18	16889.88	2.94	17000.00	296.32
	47[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.38	16903.25	27.37	17000.00	296.25
	47[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.87	16925.87	3.27	17000.00	296.37
	47[illegible]0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2966.86	13992.61	40.53	17000.00	296.20
	47800.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2058.89	14908.59	32.52	17000.00	296.32
	48100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.61	16142.68	830.71	17000.00	296.07
	48100.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.38	16103.94	859.69	17000.00	296.21
*	48400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.34	15907.66	0.00	16000.00	297.15
*	48400.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.11	15900.89	0.00	16000.00	297.16
	48700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	979.55	10171.26	4849.19	16000.00	299.41
	48700.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13380.14	2619.86	16000.00	299.25
	49000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1301.98	5970.99	8727.03	16000.00	300.55
	49000.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7329.27	8670.73	16000.00	301.21
	49300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1202.96	7495.68	7301.36	16000.00	301.36
	49300.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8920.48	7079.52	16000.00	301.85

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION   SECNO=42000.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=42000.000  PROFILE= 2  CRITICAL DEPTH ASSUMED

CAUTION   SECNO=43850.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=43850.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=43850.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=43850.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=43850.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=43850.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=44100.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=44100.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=44100.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=44100.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=44100.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=44100.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=45000.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=45900.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=45900.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=45900.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=45900.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=45900.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION   SECNO=48400.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=48400.000  PROFILE= 1  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=48400.000  PROFILE= 1  20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION   SECNO=48400.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION   SECNO=48400.000  PROFILE= 2  PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION   SECNO=48400.000  PROFILE= 2  20 TRIALS ATTEMPTED TO BALANCE WSEL
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FLOODWAY DATA, FLOODWAY RUN - BRENDA SU
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
42600.000	802.	1977.	8.6	283.4	283.0	0.4
42650.000	1340.	7759.	2.2	285.0	284.2	0.8
42800.000	~~1345.~~ 1350	5174.	3.3	284.9	284.1	0.8
42900.000	1350.	7226.	2.4	285.1	284.4	0.7
43100.000	~~1453.~~ 1530	9411.	1.8	285.2	284.5	0.7
43350.000	~~2844.~~ 2990	12133.	1.4	285.2	284.5	0.7
43600.000	~~2739.~~ 2860	4492.	3.8	285.0	284.1	0.9
43850.000	~~2545.~~ 2430	4223.	4.0	286.0	285.9	0.1
44100.000	~~3765.~~ 1970	4073.	4.2	287.3	287.3	0.0
44400.000	~~1375.~~ 1430	2849.	6.0	288.9	288.8	0.1
44700.000	~~1460.~~ 1525	4257.	4.0	289.9	289.9	0.0
45000.000	~~1577.~~ 1710	4166.	4.1	290.2	290.2	0.0
45300.000	~~1519.~~ 2150	3125.	5.4	290.5	290.5	0.0
45600.000	~~3145.~~ 2270	3960.	4.3	291.2	291.2	0.0
45900.000	~~3041.~~ 2270	2828.	6.0	294.7	294.6	0.1
46200.000	~~1839.~~ 1890	8045.	2.1	296.1	296.0	0.1
46500.000	~~1473.~~ 1480	6101.	2.8	296.1	296.0	0.1
46800.000	~~953.~~ 1110	7972.	2.1	296.2	296.1	0.1
47050.000	~~817.~~ 985	7951.	2.1	296.3	296.2	0.1
47300.000	700.	8789.	1.9	296.3	296.2	0.1
47550.000	1220.	15199.	1.1	296.3	296.2	0.1
47800.000	~~994.~~ 1040	6461.	2.6	296.2	296.2	0.1
48100.000	~~658.~~ 900	3434.	5.0	296.2	296.1	0.1
48400.000	~~681.~~ 820	1751.	9.1	297.1	297.1	0.0
48700.000	800.	2020.	7.9	299.3	299.4	-0.1
49000.000	1080.	3204.	5.0	301.2	300.5	0.7
49300.000	1262.	4158.	3.8	301.9	301.4	0.5

FLOODWAY DATA, FLOODWAY RUN - BRENDA SU
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
42600.000	802.	1977.	8.6	283.4	283.0	0.4
42650.000	1340.	7759.	2.2	285.0	284.2	0.8
42800.000	~~1349.~~ 1350	5174.	3.3	284.9	284.1	0.8
42900.000	(1350)	7226.	2.4	285.1	284.4	0.7
43100.000	~~1453.~~ 1530	9411.	1.8	285.2	284.5	0.7
43350.000	~~2844.~~ 2990	12133.	1.4	285.2	284.5	0.7
43600.000	~~2735.~~ 2860	14499.	3.8	285.0	284.1	0.9
43850.000	~~2545.~~ 2430	4222.	4.0	286.0	285.9	0.1
44100.000	~~3765.~~ 1970	4073.	4.2	287.3	287.3	0.0
44400.000	~~1375.~~ 1430	2849.	6.0	288.9	288.8	0.1
44700.000	~~1460.~~ 1525	4257.	4.0	289.9	289.9	0.0
45000.000	~~1577.~~ 1710	4166.	4.1	290.2	290.2	0.0
45300.000	~~1519.~~ 2150	3125.	5.4	290.5	290.5	0.0
45600.000	~~3145.~~ 2270	3960.	4.3	291.2	291.2	0.0
45900.000	~~3041.~~ 2270	2828.	6.0	294.7	294.6	0.1
46200.000	~~1839.~~ 1890	8045.	2.1	296.1	296.0	0.1
46500.000	~~1473.~~ 1480	6101.	2.8	296.1	296.0	0.1
46800.000	~~953.~~ 1110	7972.	2.1	296.2	296.1	0.1
47050.000	~~819.~~ 985	7951.	2.1	296.3	296.2	0.1
47300.000	700.	8789.	1.9	296.3	296.2	0.1
47550.000	1220.	15199.	1.1	296.3	296.2	0.1
47800.000	~~994.~~ 1040	6461.	2.6	296.2	296.2	0.1
48100.000	~~658.~~ 900	3434.	5.0	296.2	296.1	0.1
48400.000	~~681.~~ 820	1751.	9.1	297.1	297.1	0.0
48700.000	800.	2020.	7.9	299.2	299.4	-0.1
49000.000	1080.	3204.	5.0	301.2	300.5	0.7
49300.000	1262.	4158.	3.8	301.9	301.4	0.5

X-SEC

AC- AX

I.E.W. Floodway

ESDP for Paradise Valley, Arizona

29-Mar-84 13:00

THIS RUN EXECUTED 29-Mar-84 13:00

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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C
T1   100 YR. DISCHARGE                    PRC ENGINEERING
T2   PARADISE VALLEY                      FLOOD INSURANCE STUDY
T3      FLOODWAY INDIAN BD. WASH          JAN 1984   FEMA CONTRACT EMW 83C1193

J1  ICHECK    ING      NINV     IDIR     STRT      METRIC    HVINS     Q        WSEL     FQ
      0.       4.       0.       0.   0.000000     0.00      0.0      0.    1298.730   0.000

J2  NPROF    IPLOT    PRFVS    XSECV    XSECH      FN      ALLDC     IBW     CHNIM    ITRACE
    1.000    0.000   -1.000    5.000   100.000   0.000    0.000    0.000    0.000    0.000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT
   38.000   43.000    1.000    2.000    26.000   39.000   21.000   22.000   27.000   28.000

   53.000   54.000    0.000   38.000    13.000   14.000   15.000   55.000   26.000   56.000

   63.000    1.000   52.000    4.000    42.000   57.000    0.000   38.000   39.000   33.000

    3.000   10.000   11.000   12.000     5.000    7.000    8.000   16.000   17.000   18.000

    0.000  100.000    0.000  200.000     0.000    0.000    0.000    0.000    0.000    0.000

J5  LPRNT    NUMSEC                  ********REQUESTED SECTION NUMBERS********
  -10.000  -10.000    0.000    0.000     0.000    0.000    0.000    0.000    0.000    0.000

NC      0.035    0.035    0.025    0.100    0.300    0.000    0.000    0.000    0.000    0.000
GT      5.000 3400.000 11300.000 16000.000 35300.000 16000.000    0.000    0.000    0.000    0.000
ET      0.000    9.100    9.100    9.100    9.100    0.000    0.000    0.000 9250.000 10970.000
ET      0.000    0.000    0.000    0.000    0.000    9.100    0.000    0.000 9450.000 10320.000
          SCOTTSDALE ROAD
          CITY OF SCOTTSDALE DOWNSTREAM - TOWN OF PARADISE VALLEY UPSTREAM
X1      8.440    9.000 9875.000 10306.000    0.000    0.000    0.000    0.000    0.000    0.000
QR   1301.000 8720.000 1300.000  6385.000 1297.550 9435.000 1296.400 9875.000 1296.400 10000.000
QR   1296.400 10306.000 1298.500 10925.000 1300.000 11265.000 1301.000 11366.000    0.000    0.000
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1301.000	8720.000	1300.000	8885.000	1297.550	1335.000	1296.400	9875.000	1296.400	10000.000
1296.400	10306.000	1298.500	10925.000	1300.000	1305.000	1301.000	11366.000	0.000	0.000

NC	0.040	0.040	0.040	0.100	0.300	0.000	0.000	0.000	0.000	0.000
GT	5.000	3400.000	11000.000	16000.000	34000.000	16000.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9370.000	10850.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9590.000	10300.000
X1	8.520	24.000	9971.400	10019.900	40.000	400.000	400.000	0.000	0.000	0.000
GR	1304.200	7833.000	1304.400	8057.800	1303.600	8244.700	1302.800	8577.000	1301.600	8785.000
GR	1299.700	8972.900	1298.300	9242.300	1298.100	9532.300	1297.400	9654.600	1296.500	9724.000
GR	1291.300	9765.300	1296.200	9799.500	1297.400	9894.500	1297.900	9971.400	1293.300	10000.700
GR	1297.300	10019.900	1297.100	10167.500	1297.600	10353.800	1298.400	10516.800	1298.900	10796.600
GR	1300.500	11001.600	1301.400	11222.000	1302.600	11268.700	1303.900	11363.700	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9280.000	10680.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9490.000	10230.000
X1	8.630	21.000	9968.600	10025.700	450.000	575.000	575.000	0.000	0.000	0.000
GR	1300.100	8904.000	1301.500	8975.600	1299.100	9041.500	1297.700	9188.000	1296.600	9334.200
GR	1296.800	9482.000	1295.800	9690.800	1297.700	9852.700	1299.200	9968.600	1294.900	10000.000
GR	1298.200	10025.700	1296.800	10049.800	1298.600	10068.100	1299.200	10200.300	1299.300	10400.300
GR	1299.600	10586.300	1300.900	10786.900	1302.300	10969.300	1304.400	11186.500	1306.200	11352.600
GR	1307.800	11486.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9420.000	10580.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9610.000	10410.000
X1	8.820	31.000	9962.200	10037.800	1030.000	960.000	1000.000	0.000	0.000	0.000
GR	1303.900	9101.400	1305.400	9186.000	1306.100	9357.900	1304.000	9497.400	1301.900	9557.400
GR	1301.600	9653.700	1302.000	9840.400	1301.800	9962.200	1297.400	10000.000	1300.000	10037.800
GR	1300.300	10194.400	1300.800	10297.900	1302.600	10428.700	1306.800	10527.400	1308.500	10589.200
GR	1304.000	10621.300	1303.700	10726.000	1300.700	10738.300	1300.800	10790.800	1304.400	10803.700
GR	1304.400	10833.400	1300.300	10853.600	1300.400	10951.700	1304.400	11000.300	1304.400	11087.000
GR	1305.400	11128.700	1306.000	11282.300	1308.100	11455.100	1309.700	11620.700	1311.100	11789.600
GR	1312.900	11931.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9600.000	10850.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9840.000	10550.000
X1	9.000	32.000	9969.700	10044.000	1040.000	980.000	1030.000	0.000	0.000	0.000
GR	1306.900	9227.400	1308.700	9267.700	1307.800	9354.500	1304.500	9364.200	1304.500	9437.200
GR	1308.000	9470.300	1306.900	9548.200	1305.300	9720.900	1303.100	9969.700	1301.400	10000.000
GR	1302.000	10044.000	1302.200	10206.800	1303.500	10368.000	1304.100	10528.600	1307.500	10629.800
GR	1312.000	10754.600	1311.200	10819.000	1307.500	10875.900	1307.700	10963.100	1309.600	11095.400
GR	1310.400	11178.400	1309.300	11264.500	1310.300	11367.600	1312.700	11391.100	1310.800	11409.200
GR	1311.600	11446.900	1313.000	11472.700	1313.500	11566.600	1313.400	11683.600	1312.900	11836.200
GR	1315.000	11854.200	1315.500	11952.900	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9630.000	10720.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9800.000	10560.000
X1	9.190	38.000	9958.300	10028.300	1105.000	950.000	1000.000	0.000	0.000	0.000
GR	1312.400	9164.800	1312.400	9198.500	1309.900	9229.200	1309.900	9295.600	1311.000	9357.900
GR	1309.600	9521.100	1311.800	9586.900	1311.900	9670.600	1309.800	9750.600	1307.100	9832.400
GR	1306.700	9958.300	1303.500	10000.000	1305.200	10028.300	1305.900	10072.400	1305.300	10180.500
GR	1306.300	10289.000	1306.800	10454.400	1307.900	10513.900	1310.000	10573.800	1310.200	10644.000
GR	1313.300	10702.600	1313.100	10733.000	1314.300	10756.100	1311.500	10798.600	1309.800	10864.800
GR	1309.900	10929.900	1310.900	11088.100	1312.000	11305.300	1313.100	11417.900	1314.700	11592.800
GR	1315.900	11643.400	1316.600	11752.800	1314.000	11772.300	1314.500	11804.800	1317.800	11827.400
GR	1319.300	11962.500	1319.200	11999.100	1320.200	12157.000	0.000	0.000	0.000	0.000

ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9480.000	10360.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9630.000	10360.000
X1	9.390	37.000	9982.700	10054.900	970.000	1050.000	1020.000	0.000	0.000	0.000
QR	1314.800	8379.800	1313.400	8421.800	1311.400	8485.900	1312.000	8553.900	1313.600	8569.300
QR	1313.900	8665.300	1311.800	8762.200	1312.600	8796.800	1311.900	8939.500	1313.300	9033.400
QR	1312.600	9177.800	1315.100	9199.400	1316.900	9377.700	1315.000	9412.600	1316.100	9440.300
QR	1312.900	9488.200	1312.700	9589.000	1311.300	9794.000	1311.500	9933.400	1307.800	9982.700
QR	1308.100	10000.000	1308.400	10054.900	1310.400	10082.900	1312.200	10161.100	1313.600	10347.400
QR	1317.800	10379.600	1318.000	10562.600	1317.900	10677.600	1315.500	10699.500	1317.100	10725.100
QR	1316.700	10923.700	1315.800	11147.200	1317.200	11433.800	1312.700	11466.600	1317.400	11504.200
QR	1318.600	11669.100	1319.700	11841.600	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9650.000	10360.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9650.000	10360.000
X1	9.580	31.000	9953.900	10058.500	1000.000	1000.000	1000.000	0.000	0.000	0.000
QR	1320.900	9024.800	1322.300	9191.600	1323.300	9291.100	1322.500	9536.400	1320.800	9620.900
QR	1319.300	9648.900	1314.700	9681.000	1316.100	9722.800	1314.500	9751.600	1313.100	9846.100
QR	1313.400	9897.700	1309.400	9953.900	1308.700	10000.000	1309.700	10058.500	1311.800	10101.200
QR	1313.800	10212.400	1315.600	10250.000	1315.600	10318.800	1319.300	10363.600	1317.300	10633.500
QR	1317.100	10833.700	1315.500	10850.500	1317.100	10864.900	1318.100	10975.600	1317.500	11073.800
QR	1316.500	11113.300	1316.800	11199.300	1318.400	11222.700	1318.400	11292.500	1318.600	11489.000
QR	1321.200	11785.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.035	0.035	0.030	0.300	0.500	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9620.000	10410.000
X1	9.690	16.000	9962.100	10069.100	700.000	350.000	560.000	0.000	0.000	0.000
QR	1321.100	9605.000	1316.000	9659.900	1316.200	9747.900	1313.400	9792.900	1313.800	9869.200
QR	1314.300	9906.700	1312.300	9962.100	1312.500	10000.000	1311.700	10069.100	1314.500	10121.600
QR	1314.600	10202.200	1317.100	10287.700	1317.100	10326.700	1316.400	10409.900	1319.400	10424.300
QR	1318.000	10592.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9609.000	10440.000
X1	9.722	18.000	9967.000	10033.000	180.000	130.000	150.000	0.840	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	1315.000	1315.000	0.000
QR	1321.100	9608.100	1315.980	9659.850	1316.210	9747.930	1313.350	9792.860	1313.830	9869.170
QR	1314.300	9906.670	1312.270	9962.140	1311.780	9967.000	1311.780	10000.000	1311.780	10033.000
QR	1311.700	10069.070	1314.510	10121.550	1314.630	10202.190	1317.050	10287.650	1317.110	10326.650
QR	1316.400	10409.940	1319.430	10424.280	1317.980	10592.160	0.000	0.000	0.000	0.000
NC	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9609.000	10450.000
	INVERGORDON BRIDGE									
X1	9.723	34.000	9973.330	10026.670	10.000	10.000	10.000	0.840	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.840	0.000
BT	6.000	9608.100	1316.100	1316.100	9659.900	1315.570	1315.570	9840.520	1315.770	1315.770
BT	9848.000	1317.580	1314.780	10042.000	1317.580	1314.780	10047.000	1314.800	1314.800	0.000
QR	1316.100	9608.100	1315.570	9659.900	1315.770	9840.520	1314.780	9843.000	1314.780	9848.000
QR	1314.800	9973.330	1311.780	9973.330	1311.780	9981.670	1314.780	9981.670	1314.780	9982.330
QR	1311.800	9982.330	1311.780	9990.670	1314.780	9990.670	1314.780	9991.330	1311.780	9991.330
QR	1311.800	9999.670	1314.780	9999.670	1314.780	10000.330	1311.780	10000.330	1311.780	10008.670
QR	1314.800	10008.670	1314.780	10009.330	1311.780	10009.330	1311.780	10017.670	1314.780	10017.670
QR	1314.800	10018.330	1311.780	10018.330	1311.780	10026.670	1314.780	10026.670	1314.780	10042.000
QR	1314.800	10047.000	1315.770	10159.480	1315.570	10430.100	1317.690	10497.120	0.000	0.000

QR	[illegible]4. 800	10008. 670	1314. 780	10009. 330	1311. 780	1[illegible]. 330	1311. 780	10017. 670	1314. 780	10017. 670
QR	[illegible]4. 800	10018. 330	1311. 780	10018. 330	1311. 780	1[illegible]. 670	1314. 780	10026. 670	1314. 780	10042. 000
QR	1314. 800	10047. 000	1315. 770	10159. 480	1315. 570	10430. 100	1317. 690	10497. 120	0. 000	0. 000

ET	0. 000	9. 100	9. 100	9. 100	9. 100	9. 100	0. 000	0. 000	9609. 000	10450. 000
X1	9. 724	0. 000	0. 000	0. 000	40. 000	40. 000	40. 000	0. 000	0. 180	0. 000
X2	0. 000	0. 000	0. 000	0. 000	0. 000	0. 000	1. 000	0. 000	0. 840	0. 000
NC	0. 035	0. 035	0. 035	0. 100	0. 300	0. 000	0. 000	0. 000	0. 000	0. 000
ET	0. 000	9. 100	9. 100	9. 100	9. 100	9. 100	0. 000	0. 000	9609. 000	10450. 000
X1	9. 725	18. 000	9967. 000	10033. 000	10. 000	10. 000	10. 000	0. 840	0. 000	0. 000
X3	10. 000	0. 000	0. 000	0. 000	0. 000	0. 000	0. 000	1315. 500	1315. 500	0. 000
QR	1321. 300	9608. 100	1316. 160	9659. 850	1316. 390	9747. 930	1313. 530	9792. 860	1314. 010	9869. 170
QR	1314. 500	9906. 670	1312. 450	9962. 140	1311. 960	9967. 000	1311. 900	10000. 000	1311. 960	10033. 000
QR	1311. 900	10069. 000	1314. 690	10121. 550	1314. 810	10202. 190	1317. 230	10287. 650	1317. 290	10326. 650
QR	1316. 600	10409. 940	1319. 610	10424. 280	1318. 160	10592. 160	0. 000	0. 000	0. 000	0. 000
ET	0. 000	9. 100	9. 100	9. 100	9. 100	9. 100	0. 000	0. 000	9740. 000	10400. 000
X1	9. 770	38. 000	9959. 000	10069. 900	40. 000	500. 000	200. 000	0. 000	0. 000	0. 000
QR	1322. 200	9020. 500	1321. 200	9128. 400	1320. 000	9154. 300	1320. 200	9209. 300	1320. 700	9330. 200
QR	1321. 200	9361. 800	1320. 700	9510. 500	1314. 700	9546. 300	1317. 000	9571. 500	1317. 200	9634. 300
QR	1316. 900	9677. 600	1317. 500	9699. 800	1315. 900	9737. 100	1314. 000	9867. 600	1313. 800	9959. 000
QR	1309. 800	10000. 000	1311. 600	10069. 900	1311. 800	10108. 300	1313. 100	10117. 400	1314. 000	10208. 100
QR	1314. 500	10321. 100	1319. 800	10367. 700	1319. 900	10391. 400	1322. 200	10396. 500	1321. 100	10454. 800
QR	1321. 400	10562. 200	1321. 000	10596. 100	1318. 900	10616. 500	1319. 000	10765. 600	1321. 900	10798. 700
QR	1321. 000	10829. 300	1321. 000	10957. 300	1321. 000	11130. 700	1321. 100	11307. 100	1320. 900	11491. 000
QR	1322. 900	11517. 100	1322. 900	11534. 800	1324. 200	11579. 500	0. 000	0. 000	0. 000	0. 000
ET	0. 000	9. 100	9. 100	9. 100	9. 100	9. 100	0. 000	0. 000	9595. 000	10290. 000
X1	9. 950	24. 000	9879. 200	10114. 400	1010. 000	1000. 000	1000. 000	0. 000	0. 000	0. 000
QR	1326. 700	8901. 500	1325. 900	9146. 200	1325. 300	9413. 300	1325. 300	9497. 000	1327. 200	9520. 100
QR	1324. 700	9577. 800	1321. 200	9611. 500	1319. 900	9641. 900	1320. 700	9699. 300	1319. 500	9803. 800
QR	1320. 400	9835. 300	1317. 500	9879. 200	1316. 200	10000. 000	1320. 600	10114. 400	1318. 100	10146. 000
QR	1317. 300	10191. 700	1322. 700	10269. 900	1324. 900	10308. 000	1324. 600	10479. 100	1325. 200	10710. 800
QR	1326. 300	10896. 900	1326. 700	10935. 700	1325. 300	10943. 200	1326. 700	11253. 800	0. 000	0. 000
ET	0. 000	9. 100	9. 100	9. 100	9. 100	9. 100	0. 000	0. 000	9530. 000	10200. 000
X1	10. 140	27. 000	9899. 400	10070. 700	1000. 000	1000. 000	1000. 000	0. 000	0. 000	0. 000
QR	1331. 300	8660. 800	1331. 300	8829. 300	1330. 600	8974. 800	1329. 300	9000. 900	1327. 800	9062. 200
QR	1328. 300	9160. 500	1328. 100	9288. 300	1325. 200	9317. 200	1325. 600	9347. 200	1326. 200	9369. 200
QR	1328. 300	9475. 800	1323. 000	9524. 200	1319. 400	9594. 300	1317. 700	9633. 600	1317. 700	9831. 600
QR	1320. 300	9841. 800	1320. 800	9899. 400	1319. 800	10000. 000	1321. 400	10070. 700	1324. 200	10149. 100
QR	1326. 900	10194. 500	1331. 300	10210. 400	1330. 500	10372. 800	1331. 400	10548. 300	1329. 100	10595. 700
QR	1329. 300	10764. 000	1329. 400	10969. 400	0. 000	0. 000	0. 000	0. 000	0. 000	0. 000
QT	5. 000	3100. 000	10000. 000	14500. 000	31000. 000	14500. 000	0. 000	0. 000	0. 000	0. 000
ET	0. 000	9. 100	9. 100	9. 100	9. 100	9. 100	0. 000	0. 000	9590. 000	10260. 000
X1	10. 330	21. 000	9929. 200	10077. 600	1000. 000	1000. 000	1000. 000	0. 000	0. 000	0. 000
QR	1335. 000	8470. 000	1333. 800	8707. 000	1332. 700	9048. 500	1331. 300	9182. 700	1332. 100	9216. 000
QR	1332. 600	9384. 800	1330. 200	9560. 200	1327. 000	9589. 900	1327. 000	9621. 100	1324. 800	9646. 300
QR	1326. 800	9711. 500	1322. 900	9929. 200	1321. 900	10000. 000	1323. 700	10077. 600	1324. 400	10189. 900
QR	1326. 800	10239. 800	1331. 800	10274. 000	1331. 800	10457. 500	1333. 500	10676. 700	1334. 300	10892. 300
QR	1335. 500	11041. 800	0. 000	0. 000	0. 000	0. 000	0. 000	0. 000	0. 000	0. 000

NC	0.035	0.035	0.030	0.300	0.500	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9632.000	10419.000
X1	10.400	14.000	9956.900	10040.800	150.000	600.000	350.000	0.000	0.000	0.000
GR	1325.300	9631.500	1325.100	9710.500	1325.600	9775.000	1323.000	9871.600	1323.800	9956.900
GR	1321.500	10000.100	1323.100	10040.800	1324.600	10094.400	1325.300	10142.900	1325.400	10194.600
GR	1328.300	10287.400	1329.200	10315.200	1331.800	10346.800	1332.500	10419.200	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9504.000	10470.000
X1	10.452	16.000	9952.000	10048.000	90.000	190.000	230.000	0.770	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	1325.000	1325.000	0.000
GR	1325.600	9503.700	1325.300	9631.500	1325.100	9710.500	1325.600	9775.000	1323.000	9871.600
GR	1321.600	9952.000	1321.600	10000.000	1321.600	10048.000	1324.600	10094.400	1325.300	10142.900
GR	1325.400	10194.600	1328.300	10287.400	1329.200	10315.200	1331.800	10346.800	1332.500	10419.200
GR	1332.500	10470.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9504.000	10370.000
X1	10.453	35.000	9959.000	10041.100	10.000	10.000	10.000	0.770	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.770	0.000
BT	5.000	9503.700	1324.600	1324.600	9757.400	1325.600	1325.600	9904.000	1327.300	1324.600
BT	10065.000	1327.300	1324.600	10083.100	1326.700	1326.700	0.000	0.000	0.000	0.000
GR	1324.600	9503.700	1324.500	9625.800	1325.600	9757.400	1325.700	9860.800	1324.600	9904.000
GR	1324.600	9959.000	1321.600	9959.000	1321.600	9971.600	1324.600	9971.600	1324.600	9972.900
GR	1321.600	9972.900	1321.600	9985.500	1324.600	9985.500	1324.600	9986.800	1321.600	9986.800
GR	1321.600	9999.400	1324.600	9999.400	1324.600	10000.700	1321.600	10000.700	1321.600	10013.300
GR	1324.600	10013.300	1324.600	10014.600	1321.600	10014.600	1321.600	10027.200	1324.600	10027.200
GR	1324.600	10028.500	1321.600	10028.500	1321.600	10041.100	1324.600	10041.100	1324.600	10065.000
GR	1326.700	10083.100	1326.700	10162.200	1326.700	10241.200	1327.500	10324.500	1328.400	10368.700
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9575.000	10370.000
X1	10.454	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.100	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.770	0.000
NC	0.035	0.035	0.035	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9504.000	10470.000
X1	10.455	16.000	9952.000	10048.000	10.000	10.000	10.000	0.770	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	1325.500	1325.500	0.000
GR	1325.700	9503.700	1325.400	9631.500	1325.200	9710.500	1325.700	9775.000	1323.100	9871.600
GR	1321.700	9952.000	1321.700	10000.000	1321.700	10048.000	1324.700	10094.400	1325.400	10142.900
GR	1325.500	10194.600	1328.400	10287.400	1329.300	10315.200	1331.900	10346.800	1332.600	10419.200
GR	1332.600	10470.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9690.000	10360.000
X1	10.530	21.000	9866.800	10122.700	750.000	120.000	400.000	0.000	0.000	0.000
GR	1338.400	8533.600	1338.000	8743.300	1336.100	9130.300	1334.700	9514.300	1335.500	9531.700
GR	1336.000	9601.900	1334.400	9616.000	1334.000	9643.300	1330.200	9709.300	1328.300	9866.800
GR	1325.600	10000.000	1329.700	10122.700	1329.500	10232.500	1330.800	10301.500	1329.900	10350.100
GR	1331.200	10406.800	1335.000	10429.300	1335.400	10578.100	1336.300	10768.900	1338.200	10900.600
GR	1338.100	11091.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9640.000	10300.000
X1	10.720	20.000	9847.900	10166.500	1000.000	1000.000	1010.000	0.000	0.000	0.000
GR	1342.500	8174.500	1341.200	8448.400	1340.700	8703.700	1339.500	8998.300	1339.900	9148.000
GR	1338.800	9342.100	1339.300	9512.500	1338.300	9611.200	1335.200	9676.000	1332.300	9847.900
GR	1328.400	10000.000	1335.500	10166.500	1334.500	10283.500	1338.900	10337.500	1339.100	10493.500
GR	1339.800	10519.300	1340.700	10739.800	1340.000	10855.900	1336.300	10885.000	1339.100	10902.100
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9750.000	10430.000
X1	10.930	23.000	9815.300	10100.000	950.000	1100.000	1020.000	0.000	0.000	0.000
GR	1343.800	8267.100	1344.000	8413.700	1343.600	8751.000	1343.000	9018.700	1341.800	9194.300
GR	1345.900	9231.400	1345.500	9336.200	1342.200	9407.100	1342.900	9480.700	1341.100	9556.100
GR	1342.600	9633.800	1343.700	9707.700	1342.600	9784.300	1336.600	9815.300	1332.900	10000.000
GR	1334.600	10100.000	1335.800	10229.600	1336.400	10411.800	1343.400	10466.500	1344.300	10617.500
GR	1344.900	10794.800	1344.500	10827.600	1344.600	10944.300	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9700.000	10410.000
X1	11.090	14.000	9956.600	10037.200	820.000	850.000	840.000	0.000	0.000	0.000
GR	1349.200	9689.500	1341.900	9738.300	1340.400	9799.600	1340.200	9912.200	1338.800	9956.600
GR	1337.500	10000.000	1338.100	10037.200	1338.900	10087.000	1339.300	10149.700	1342.000	10187.900
GR	1341.400	10338.700	1341.200	10379.700	1345.900	10412.800	1345.200	10512.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9690.000	10380.000
X1	11.120	22.000	9918.200	10059.600	150.000	130.000	140.000	0.000	0.000	0.000
GR	1347.500	8777.600	1346.800	9061.700	1347.400	9403.300	1348.300	9555.100	1350.400	9684.500
GR	1344.700	9717.200	1344.000	9739.300	1345.200	9755.400	1343.400	9786.400	1343.700	9854.000
GR	1341.100	9918.200	1338.300	10000.000	1336.900	10059.600	1339.400	10102.900	1339.900	10209.200
GR	1339.700	10338.900	1346.500	10408.900	1346.300	10671.100	1347.200	10961.300	1347.900	11234.300
GR	1348.300	11390.900	1349.600	11566.400	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9870.000	10565.000
X1	11.310	32.000	9976.800	10050.000	1000.000	1000.000	1050.000	0.000	0.000	0.000
GR	1350.100	9218.400	1349.300	9419.600	1349.600	9483.300	1351.100	9532.900	1348.500	9776.500
GR	1350.600	9816.600	1349.800	9890.100	1343.700	9918.400	1342.800	9976.800	1339.100	10000.000
GR	1343.000	10050.000	1342.500	10166.600	1338.500	10195.300	1338.500	10319.800	1340.600	10349.500
GR	1340.700	10532.500	1343.900	10567.900	1350.300	10602.900	1350.900	10664.300	1350.600	10845.100
GR	1349.500	10951.700	1350.700	10964.500	1351.700	11067.300	1351.100	11114.500	1349.300	11130.900
GR	1350.000	11220.900	1351.800	11347.100	1352.200	11577.200	1351.300	11629.000	1353.500	11699.900
GR	1353.600	11931.300	1354.100	12157.500	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9735.000	10370.000
X1	11.510	18.000	9984.000	10040.000	1000.000	1000.000	1015.000	0.000	0.000	0.000
GR	1351.900	9501.200	1352.600	9533.300	1352.600	9732.100	1348.300	9799.700	1346.400	9984.000
GR	1340.100	10000.000	1347.300	10040.000	1347.300	10169.700	1346.800	10267.500	1347.400	10363.600
GR	1352.700	10401.100	1354.200	10516.400	1354.600	10620.900	1357.600	10657.900	1356.000	10727.400
GR	1354.100	10853.700	1355.900	10928.000	1355.500	11081.900	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	8640.000	11830.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9750.000	10220.000
X1	11.520	13.000	9750.000	10220.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	1363.000	6540.000	1360.000	7870.000	1359.800	8140.000	1356.000	8640.000	1352.000	9750.000
GR	1348.000	9850.000	1346.600	10000.000	1348.000	10220.000	1352.000	10270.000	1353.000	10570.000
GR	1356.000	11260.000	1360.000	11830.000	1364.000	12580.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 29-Mar-84 13:01

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  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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T1   100 YR. DISCHARGE                    PRC ENGINEERING
T2   PARADISE VALLEY                     FLOOD INSURANCE STUDY
T3      FLOODWAY INDIAN BD. WASH         JAN 1984   FEMA CONTRACT EMW 83C1193

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

    -10.       6.        0.        0.   0.000000     0.00      0.0       0.    1299.000   0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    15.000    0.000    -1.000     5.000   100.000    0.000     0.000     0.000     0.000    15.000

FLOW DISTRIBUTION FOR SECNO=      8.44          CWSEL=   1299.00

STA=     9450.     9875.    10306.    10320.
  PER Q=     31.6      67.1       1.4
   AREA=    869.0    1120.6      36.1
    VEL=      5.8       9.6       6.1

FLOW DISTRIBUTION FOR SECNO=      8.52          CWSEL=   1300.80

STA=     9590.     9655.     9724.     9765.     9800.     9895.     9971.    10020.    10168.    10300.
  PER Q=      5.8       8.7      13.6      11.6      12.6       6.9      10.3      16.5      14.0
   AREA=    207.8     267.3     285.0     241.1     380.1     242.3     258.0     531.5     466.8
    VEL=      4.5       5.2       7.6       7.7       5.3       4.5       6.4       5.0       4.8

FLOW DISTRIBUTION FOR SECNO=      8.63          CWSEL=   1302.15

STA=     9490.     9691.     9853.     9969.    10026.    10050.    10068.    10200.    10230.
  PER Q=     37.5      26.8      10.2       9.2       3.1       2.2       9.4       1.7
   AREA=   1178.4     874.1     428.7     304.0     112.0      81.4     429.6      87.4
    VEL=      5.1       4.9       3.8       4.8       4.4       4.3       3.5       3.1

FLOW DISTRIBUTION FOR SECNO=      8.82          CWSEL=   1304.61

STA=     9610.     9654.     9840.     9962.    10038.    10194.    10298.    10410.
  PER Q=      3.7      15.2       9.3      18.5      27.5      15.5      10.2
   AREA=    128.5     524.5     330.0     412.7     698.4     420.2     340.6
    VEL=      4.6       4.6       4.5       7.2       6.3       5.9       4.8
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THIS RUN EXECUTED 29-Mar-84 13:01

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*****************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

FLOODWAY INDIAN BD. WASH

SUMMARY PRINTOUT

SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
8.440	16000.00	1298.73	0.00	8.47	0.00	9875.00	10306.00	9250.00	10970.00	9250.00	10970.00
8.440	16000.00	1299.00	1298.99	9.57	0.00	9875.00	10306.00	9450.00	10320.00	9450.00	10320.00
8.520	16000.00	1300.25	0.00	5.30	400.00	9971.40	10019.90	9370.00	10850.00	9370.00	10850.00
8.520	16000.00	1300.80	0.00	6.37	400.00	9971.40	10019.90	9590.00	10300.00	9590.00	10300.00
8.630	16000.00	1301.28	0.00	3.87	575.00	9968.60	10025.70	9280.00	10680.00	9280.00	10680.00
8.630	16000.00	1302.15	0.00	4.83	575.00	9968.60	10025.70	9490.00	10230.00	9490.00	10230.00
8.820	16000.00	1303.79	0.00	9.20	1000.00	9962.20	10037.80	9420.00	10580.00	9503.32	10456.73
8.820	16000.00	1304.61	0.00	7.19	1000.00	9962.20	10037.80	9610.00	10410.00	9610.00	10410.00
9.000	16000.00	1307.61	0.00	4.94	1030.00	9969.70	10044.00	9600.00	10850.00	9600.00	10632.82
9.000	16000.00	1307.63	0.00	5.52	1030.00	9969.70	10044.00	9840.00	10550.00	9840.00	10550.00
9.190	16000.00	1309.96	0.00	7.18	1000.00	9958.30	10028.30	9630.00	10720.00	9744.32	10572.80
9.190	16000.00	1310.20	0.00	6.73	1000.00	9958.30	10028.30	9800.00	10560.00	9800.00	10560.00
9.390	16000.00	1314.59	0.00	9.23	1020.00	9982.70	10054.90	9480.00	10360.00	9480.00	10354.94
9.390	16000.00	1314.55	0.00	10.03	1020.00	9982.70	10054.90	9630.00	10360.00	9630.00	10354.68
9.580	16000.00	1317.74	0.00	6.65	1000.00	9953.90	10058.50	9650.00	10360.00	9659.79	10344.71
9.580	16000.00	1317.92	0.00	6.39	1000.00	9953.90	10058.50	9650.00	10360.00	9658.54	10346.88
9.690	16000.00	1318.70	0.00	7.28	560.00	9962.10	10069.10	9620.00	10410.00	9630.81	10410.00
9.690	16000.00	1318.79	0.00	7.11	560.00	9962.10	10069.10	9620.00	10410.00	9629.82	10410.00
9.722	16000.00	1318.96	0.00	8.32	150.00	9909.58	9965.02	9608.86	10306.90	9626.30	10291.81
9.722	16000.00	1319.03	0.00	8.15	150.00	9909.58	9965.02	9608.86	10306.70	9625.62	10292.13
9.723	16000.00	1318.72	0.00	4.47	10.00	9914.89	9959.70	9608.86	10315.30	9608.86	10315.30
9.723	16000.00	1318.82	0.00	4.32	10.00	9914.89	9959.70	9608.86	10315.30	9608.86	10315.30

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
	9.724	16000.00	1319.21	0.00	3.82	40.00	9914.89	9959.70	9609.00	10450.00	9609.00	10354.88
	9.724	16000.00	1319.22	0.00	3.79	40.00	9914.89	9959.70	9609.00	10450.00	9609.00	10354.88
	9.725	16000.00	1319.63	0.00	6.51	10.00	9909.58	9965.02	9608.86	10315.30	9622.13	10315.30
	9.725	16000.00	1319.64	0.00	6.51	10.00	9909.58	9965.02	9608.86	10315.30	9622.11	10315.30
	9.770	16000.00	1320.08	0.00	4.86	200.00	9959.00	10069.90	9740.00	10400.00	9740.00	10391.80
	9.770	16000.00	1320.08	0.00	4.87	200.00	9959.00	10069.90	9740.00	10400.00	9740.00	10391.79
*	9.950	16000.00	1321.66	1321.66	10.43	1000.00	9879.20	10114.40	9595.00	10290.00	9607.03	10254.90
*	9.950	16000.00	1321.66	1321.66	10.43	1000.00	9879.20	10114.40	9595.00	10290.00	9607.03	10254.90
14500	10.140	16000.00	1325.28	0.00	4.11	1000.00	9899.40	10070.70	9530.00	10200.00	9530.00	10167.33
	10.140	16000.00	1325.28	0.00	4.11	1000.00	9899.40	10070.70	9530.00	10200.00	9530.00	10167.33
*	10.330	14500.00	1327.14	1327.14	10.76	1000.00	9929.20	10077.60	9590.00	10260.00	9590.00	10242.14
*	10.330	14500.00	1327.14	1327.14	10.76	1000.00	9929.20	10077.60	9590.00	10260.00	9590.00	10242.14
	10.400	14500.00	1329.25	0.00	6.63	350.00	9956.90	10040.80	9632.00	10419.00	9632.00	10315.77
	10.400	14500.00	1329.25	0.00	6.63	350.00	9956.90	10040.80	9632.00	10419.00	9632.00	10315.77
	10.452	14500.00	1329.44	0.00	6.97	230.00	9848.89	9922.81	9503.93	10247.75	9503.93	10130.69
	10.452	14500.00	1329.44	0.00	6.97	230.00	9848.89	9922.81	9503.93	10247.75	9503.93	10130.69
	10.453	14500.00	1329.30	0.00	5.46	10.00	9854.28	9917.50	9503.93	10170.75	9503.93	10169.75
	10.453	14500.00	1329.30	0.00	5.46	10.00	9854.28	9917.50	9503.93	10170.75	9503.93	10169.75
	10.454	14500.00	1329.30	0.00	6.59	40.00	9854.28	9917.50	9575.00	10370.00	9575.00	10169.75
	10.454	14500.00	1329.30	0.00	6.59	40.00	9854.28	9917.50	9575.00	10370.00	9575.00	10169.75
	10.455	14500.00	1330.16	0.00	5.42	10.00	9848.89	9922.81	9503.93	10247.75	9503.93	10136.58
	10.455	14500.00	1330.16	0.00	5.42	10.00	9848.89	9922.81	9503.93	10247.75	9503.93	10136.58
14500 *	10.530	14500.00	1331.48	1331.48	9.66	400.00	9866.80	10122.70	9690.00	10360.00	9690.00	10360.00
*	10.530	14500.00	1331.48	1331.48	9.66	400.00	9866.80	10122.70	9690.00	10360.00	9690.00	10360.00
	10.720	14500.00	1336.51	0.00	6.93	1010.00	9847.90	10166.50	9640.00	10300.00	9648.64	10300.00
	10.720	14500.00	1336.51	0.00	6.93	1010.00	9847.90	10166.50	9640.00	10300.00	9648.64	10300.00
	10.930	14500.00	1339.39	0.00	6.07	1020.00	9815.30	10100.00	9750.00	10430.00	9800.84	10430.00
	10.930	14500.00	1339.39	0.00	6.07	1020.00	9815.30	10100.00	9750.00	10430.00	9800.84	10430.00
*	11.090	14500.00	1342.80	1342.80	11.44	840.00	9956.60	10037.20	9700.00	10410.00	9732.29	10390.96
*	11.090	14500.00	1342.80	1342.80	11.44	840.00	9956.60	10037.20	9700.00	10410.00	9732.29	10390.96
13900	11.120	14500.00	1344.13	0.00	7.02	140.00	9918.20	10059.60	9690.00	10380.00	9735.23	10380.00
	11.120	14500.00	1344.13	0.00	7.01	140.00	9918.20	10059.60	9690.00	10380.00	9735.23	10380.00
	11.310	14500.00	1346.16	0.00	4.00	1050.00	9976.80	10050.00	9870.00	10565.00	9906.99	10565.00
	11.310	14500.00	1346.16	0.00	4.00	1050.00	9976.80	10050.00	9870.00	10565.00	9906.99	10565.00

	SECND	G	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
*	11.510	14500.00	1349.95	1349.95	12.44	1015.00	9984.00	10040.00	9735.00	10370.00	9773.83	10370.00
*	11.510	14500.00	1349.95	1349.95	12.44	1015.00	9984.00	10040.00	9735.00	10370.00	9773.83	10370.00
*	11.520	14500.00	1350.83	1350.83	10.10	20.00	9750.00	10220.00	8640.00	11830.00	9779.27	10255.37
*	11.520	14500.00	1350.85	1350.85	10.25	20.00	9750.00	10220.00	9750.00	10220.00	9778.76	10220.00

FLOODWAY INDIAN BD. WASH

SUMMARY PRINTOUT

	SECNO	GLOB	GCH	GROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFKWS	TOPWID	ELMIN	ALPHA
	8.440	4276.13	8504.08	3219.79	4.68	8.47	4.03	1301.00	1298.73	0.00	1720.00	1296.40	1.36
	8.440	5051.28	10729.47	219.24	5.81	9.57	6.08	1301.00	1299.00	0.27	870.00	1296.40	1.16
	8.520	8339.94	1225.42	6434.63	4.42	5.30	3.41	1303.90	1300.29	0.00	1480.00	1291.30	1.07
	8.520	9471.62	1643.91	4884.47	5.83	6.37	4.89	1303.90	1300.80	0.55	710.00	1291.30	1.02
	8.630	11777.06	984.65	3238.28	3.90	3.87	2.41	1307.80	1301.28	0.00	1400.00	1294.90	1.11
	8.630	11916.93	1467.76	2615.31	4.80	4.83	3.68	1307.80	1302.15	0.87	740.00	1294.90	1.03
	8.820	4335.10	3227.89	8437.01	5.10	9.20	7.05	1312.90	1303.79	0.00	953.41	1297.40	1.13
	8.820	4508.07	2966.80	8525.12	4.59	7.19	5.84	1312.90	1304.61	0.82	800.00	1297.40	1.07
	9.000	3456.97	2088.47	10454.57	3.26	4.94	4.25	1315.50	1307.61	0.00	1032.82	1301.40	1.05
	9.000	2180.63	2338.87	11480.50	4.25	5.52	4.88	1315.50	1307.63	0.02	710.00	1301.40	1.01
	9.190	2352.43	2597.86	11049.71	4.61	7.18	5.82	1320.20	1309.96	0.00	828.48	1303.50	1.05
	9.190	2337.48	2542.19	11120.32	4.70	6.73	5.51	1320.20	1310.20	0.24	760.00	1303.50	1.03
	9.390	7861.50	4266.97	3871.53	5.58	9.23	5.38	1319.70	1314.59	0.00	874.94	1307.80	1.18
	9.390	7249.77	4613.50	4136.73	6.46	10.03	5.83	1319.70	1314.55	-0.04	724.68	1307.80	1.16
	9.580	4943.78	5990.53	5065.69	4.26	6.65	4.46	1321.20	1317.74	0.00	684.92	1308.70	1.14
	9.580	5010.42	5874.07	5115.51	4.13	6.39	4.30	1321.20	1317.92	0.18	688.34	1308.70	1.13
	9.690	6235.75	5063.13	4701.12	4.77	7.28	4.28	1318.00	1318.70	0.00	779.19	1311.70	1.17
	9.690	6246.20	5012.45	4741.35	4.67	7.11	4.20	1318.00	1318.79	0.09	780.17	1311.70	1.16
	9.722	6372.13	3310.69	6317.18	5.32	8.32	5.15	1317.98	1318.96	0.00	665.51	1311.70	1.12
	9.722	6380.55	3280.73	6338.71	5.23	8.15	5.06	1317.98	1319.03	0.07	666.51	1311.70	1.12
	9.723	5292.45	793.75	9913.80	7.31	4.47	9.07	1317.69	1318.72	0.00	706.44	1311.78	1.08
	9.723	5331.32	783.50	9885.18	7.09	4.32	8.78	1317.69	1318.82	0.09	706.44	1311.78	1.08
	9.724	5644.29	758.61	9597.10	6.78	3.82	7.48	1317.87	1319.21	0.00	745.88	1311.96	1.06
	9.724	5650.34	756.32	9593.34	6.73	3.79	7.43	1317.87	1319.22	0.01	745.88	1311.96	1.06
	9.725	6597.14	2784.54	6618.31	4.92	6.51	4.75	1318.16	1319.63	0.00	693.17	1311.90	1.04
	9.725	6597.27	2783.92	6618.81	4.92	6.51	4.75	1318.16	1319.64	0.00	693.18	1311.90	1.04
	9.770	4307.34	4839.32	6853.35	3.53	4.86	3.84	1324.20	1320.08	0.00	651.80	1309.80	1.05
	9.770	4306.74	4840.32	6852.95	3.53	4.87	3.84	1324.20	1320.08	0.00	651.79	1309.80	1.05
*	9.950	2712.92	9955.86	3331.22	6.03	10.43	8.49	1326.70	1321.66	0.00	647.87	1316.20	1.12
*	9.950	2712.85	9955.93	3331.22	6.03	10.43	8.49	1326.70	1321.66	0.00	647.87	1316.20	1.12
	10.140	12056.87	3422.18	520.94	5.08	4.11	2.55	1329.40	1325.28	0.00	637.33	1317.70	1.06
	10.140	12056.86	3422.19	520.95	5.08	4.11	2.55	1329.40	1325.28	0.00	637.33	1317.70	1.06

				QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFKWS	TOPWID	ELMIN	ALPHA
			[illegible]	7234.10	3296.93	6.38	10.76	7.77	1335.50	1327.14	0.00	652.14	1321.90	1.16
			3968.99	7234.07	3296.94	6.38	10.76	7.77	1335.50	1327.14	0.00	652.14	1321.90	1.16
	10.400	7007.51	3763.38	3729.11	4.53	6.63	3.99	1332.50	1329.25	0.00	683.77	1321.50	1.12
	10.400	7007.51	3763.39	3729.10	4.53	6.63	3.99	1332.50	1329.25	0.00	683.77	1321.50	1.12
	10.452	7442.41	4031.49	3026.10	4.45	6.97	4.01	1332.50	1329.44	0.00	626.76	1321.60	1.16
	10.452	7442.41	4031.50	3026.09	4.45	6.97	4.01	1332.50	1329.44	0.00	626.76	1321.60	1.16
	10.453	8444.88	1645.00	4410.12	6.58	5.46	7.69	1328.40	1329.30	0.00	665.82	1321.60	1.03
	10.453	8444.88	1645.00	4410.11	6.58	5.46	7.69	1328.40	1329.30	0.00	665.82	1321.60	1.03
	10.454	7538.08	1985.69	4976.23	8.12	6.59	9.05	1328.50	1329.30	0.00	594.75	1321.70	1.03
	10.454	7538.08	1985.69	4976.23	8.12	6.59	9.05	1328.50	1329.30	0.00	594.75	1321.70	1.03
	10.455	7806.69	3389.66	3303.65	4.13	5.42	3.72	1332.60	1330.16	0.00	632.65	1321.70	1.06
	10.455	7806.69	3389.67	3303.64	4.13	5.42	3.72	1332.60	1330.16	0.00	632.65	1321.70	1.06
*	10.530	2268.54	10365.68	1865.78	6.21	9.66	5.07	1338.10	1331.48	0.00	670.00	1325.60	1.18
*	10.530	2268.52	10365.74	1865.74	6.21	9.66	5.07	1338.10	1331.48	0.00	670.00	1325.60	1.18
	10.720	2153.28	11759.08	587.63	4.38	6.93	2.96	1339.10	1336.51	0.00	651.36	1328.40	1.14
	10.720	2153.30	11759.05	587.65	4.38	6.93	2.96	1339.10	1336.51	0.00	651.36	1328.40	1.14
	10.930	51.90	8641.70	5806.40	2.57	6.07	4.93	1344.60	1339.39	0.00	629.16	1332.90	1.04
	10.930	51.90	8641.71	5806.39	2.57	6.07	4.93	1344.60	1339.39	0.00	629.16	1332.90	1.04
*	11.090	3955.46	4435.01	6109.53	7.44	11.44	7.99	1345.20	1342.80	0.00	658.67	1337.50	1.11
*	11.090	3955.42	4435.09	6109.49	7.44	11.44	7.99	1345.20	1342.80	0.00	658.67	1337.50	1.11
	11.120	436.30	5271.02	8792.68	2.81	7.02	6.30	1349.60	1344.13	0.00	611.94	1336.90	1.06
	11.120	436.31	5271.00	8792.68	2.81	7.01	6.30	1349.60	1344.13	0.00	611.95	1336.90	1.06
	11.310	488.79	1507.08	12504.12	2.66	4.00	4.39	1354.10	1346.16	0.00	658.01	1338.50	1.02
	11.310	488.80	1507.08	12504.12	2.66	4.00	4.39	1354.10	1346.16	0.00	658.01	1338.50	1.02
*	11.510	3408.41	4439.87	6651.71	6.82	12.44	7.28	1355.50	1349.95	0.00	596.16	1340.10	1.23
*	11.510	3408.41	4439.87	6651.71	6.82	12.44	7.28	1355.50	1349.95	0.00	596.16	1340.10	1.23
*	11.520	0.00	14206.60	293.40	0.00	10.10	5.86	1364.00	1350.83	0.00	476.10	1346.60	1.02
*	11.520	0.00	14500.00	0.00	0.00	10.25	0.00	1364.00	1350.85	0.02	441.24	1346.60	1.00

FLOODWAY INDIAN BD. WASH

SUMMARY PRINTOUT

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10K*S	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	8.440	0.00	0.00	1299.46	0.73	0.00	0.00	65.70	0.00	2.33	35.00	25.00	35.00
	8.440	0.00	0.00	1300.13	1.13	0.00	0.00	72.57	0.00	2.60	35.00	25.00	35.00
	8.520	400.00	-12.75	1300.52	0.26	1.01	0.05	25.86	19.28	8.95	40.00	40.00	40.00
	8.520	400.00	-12.75	1301.29	0.49	1.10	0.06	32.34	12.22	9.50	40.00	40.00	40.00
	8.630	575.00	6.26	1301.48	0.21	0.96	0.01	15.00	69.17	6.38	40.00	40.00	40.00
	8.630	575.00	6.26	1302.48	0.33	1.17	0.02	18.38	48.41	7.25	40.00	40.00	40.00
	8.820	1000.00	2.50	1304.57	0.78	2.92	0.17	79.59	149.89	6.39	40.00	40.00	40.00
	8.820	1000.00	2.50	1305.13	0.52	2.59	0.06	39.18	121.50	7.21	40.00	40.00	40.00
	9.000	1030.00	3.88	1307.88	0.27	3.25	0.05	17.48	222.95	6.21	40.00	40.00	40.00
	9.000	1030.00	3.88	1308.00	0.37	2.85	0.02	21.68	192.13	6.23	40.00	40.00	40.00
	9.190	1000.00	2.10	1310.50	0.54	2.54	0.08	41.95	299.39	6.46	40.00	40.00	40.00
	9.190	1000.00	2.10	1310.69	0.49	2.65	0.03	34.76	261.82	6.70	40.00	40.00	40.00
	9.390	1020.00	4.22	1315.28	0.70	4.73	0.05	51.85	361.96	6.79	40.00	40.00	40.00
	9.390	1020.00	4.22	1315.43	0.88	4.62	0.12	61.70	322.53	6.75	40.00	40.00	40.00
	9.580	1000.00	0.90	1318.18	0.44	2.87	0.03	18.19	428.40	9.04	40.00	40.00	40.00
	9.580	1000.00	0.90	1318.33	0.41	2.85	0.05	16.33	386.94	9.22	40.00	40.00	40.00
	9.690	560.00	5.36	1319.18	0.48	0.98	0.02	17.84	467.46	7.00	35.00	30.00	35.00
	9.690	560.00	5.36	1319.25	0.46	0.90	0.03	16.69	427.19	7.09	35.00	30.00	35.00
	9.722	150.00	0.00	1319.52	0.56	0.30	0.04	20.39	477.98	7.26	35.00	30.00	35.00
	9.722	150.00	0.00	1319.57	0.54	0.28	0.04	19.29	437.93	7.33	35.00	30.00	35.00
	9.723	10.00	8.00	1319.80	1.08	0.03	0.26	32.88	478.53	6.94	20.00	20.00	20.00
	9.723	10.00	8.00	1319.83	1.01	0.02	0.24	29.66	438.50	7.04	20.00	20.00	20.00
	9.724	40.00	4.50	1319.99	0.78	0.10	0.09	20.59	480.51	7.25	20.00	20.00	20.00
	9.724	40.00	4.50	1320.00	0.77	0.10	0.07	20.15	440.51	7.26	20.00	20.00	20.00
	9.725	10.00	-6.00	1320.05	0.41	0.02	0.04	15.45	481.14	7.73	35.00	35.00	35.00
	9.725	10.00	-6.00	1320.05	0.41	0.02	0.04	15.43	441.14	7.74	35.00	35.00	35.00
	9.770	200.00	-10.50	1320.34	0.26	0.27	0.02	7.06	503.82	10.28	35.00	35.00	35.00
	9.770	200.00	-10.50	1320.34	0.26	0.27	0.02	7.07	463.81	10.28	35.00	35.00	35.00
*	9.950	1000.00	6.40	1323.04	1.38	1.74	0.34	93.12	570.56	5.46	35.00	35.00	35.00
*	9.950	1000.00	6.40	1323.04	1.38	1.74	0.34	93.13	530.53	5.46	35.00	35.00	35.00
	10.140	1000.00	1.50	1325.65	0.36	2.50	0.10	11.39	630.35	7.58	35.00	35.00	35.00
	10.140	1000.00	1.50	1325.65	0.36	2.50	0.10	11.39	590.33	7.58	35.00	35.00	35.00

	SECNO	XLCH	K*CHSL	EG	HV	HL	OLOSS	10K*S	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	10.330	1000.00	4.20	1328.42	1.28	2.34	0.28	85.58	689.25	5.24	35.00	35.00	35.00
*	10.330	1000.00	4.20	1328.42	1.28	2.34	0.28	85.57	649.23	5.24	35.00	35.00	35.00
	10.400	350.00	-1.14	1329.64	0.39	0.95	0.27	14.01	707.33	7.75	35.00	30.00	35.00
	10.400	350.00	-1.14	1329.64	0.39	0.95	0.27	14.01	667.31	7.75	35.00	30.00	35.00
	10.452	230.00	0.43	1329.85	0.42	0.20	0.01	12.73	717.37	7.84	35.00	30.00	35.00
	10.452	230.00	0.43	1329.85	0.42	0.20	0.01	12.73	677.35	7.84	35.00	30.00	35.00
	10.453	10.00	0.00	1330.03	0.72	0.02	0.15	34.54	717.90	7.70	20.00	20.00	20.00
	10.453	10.00	0.00	1330.03	0.72	0.02	0.15	34.54	677.94	7.70	20.00	20.00	20.00
	10.454	40.00	2.50	1330.36	1.06	0.17	0.17	50.48	719.77	7.60	20.00	20.00	20.00
	10.454	40.00	2.50	1330.36	1.06	0.17	0.17	50.48	679.75	7.60	20.00	20.00	20.00
	10.455	10.00	0.00	1330.46	0.30	0.02	0.08	9.46	720.37	8.46	35.00	35.00	35.00
	10.455	10.00	0.00	1330.46	0.30	0.02	0.08	9.46	680.34	8.46	35.00	35.00	35.00
*	10.530	400.00	9.75	1332.66	1.18	0.98	0.26	76.49	749.31	5.88	35.00	35.00	35.00
*	10.530	400.00	9.75	1332.66	1.18	0.98	0.26	76.49	709.29	5.88	35.00	35.00	35.00
	10.720	1010.00	2.77	1337.16	0.66	4.45	0.05	28.72	797.76	8.11	35.00	35.00	35.00
	10.720	1010.00	2.77	1337.16	0.66	4.45	0.05	28.72	757.73	8.11	35.00	35.00	35.00
	10.930	1020.00	4.41	1339.88	0.49	2.70	0.02	23.93	857.25	6.49	35.00	35.00	35.00
	10.930	1020.00	4.41	1339.88	0.49	2.70	0.02	23.93	817.22	6.49	35.00	35.00	35.00
*	11.090	840.00	5.48	1344.07	1.27	3.50	0.23	89.42	898.86	5.30	35.00	35.00	35.00
*	11.090	840.00	5.48	1344.07	1.27	3.50	0.23	89.43	858.83	5.30	35.00	35.00	35.00
	11.120	140.00	-4.29	1344.78	0.65	0.65	0.06	29.45	905.09	7.23	35.00	35.00	35.00
	11.120	140.00	-4.29	1344.78	0.65	0.65	0.06	29.45	865.07	7.23	35.00	35.00	35.00
	11.310	1050.00	1.52	1346.45	0.29	1.63	0.04	10.11	971.29	7.66	35.00	35.00	35.00
	11.310	1050.00	1.52	1346.45	0.29	1.63	0.04	10.11	931.27	7.66	35.00	35.00	35.00
*	11.510	1015.00	1.58	1351.23	1.28	2.18	0.30	75.82	1030.85	9.85	35.00	35.00	35.00
*	11.510	1015.00	1.58	1351.23	1.28	2.18	0.30	75.82	990.83	9.85	35.00	35.00	35.00
*	11.520	20.00	325.00	1352.39	1.56	0.19	0.08	120.65	1031.59	4.23	35.00	35.00	35.00
*	11.520	20.00	325.00	1352.48	1.63	0.19	0.10	124.31	991.56	4.25	35.00	35.00	35.00

A MAXIMUM OF 2 TABLES MAY BE GENERATED

FLOODWAY DATA, FLOODWAY INDIAN BD. WASH
PROFILE NO. 2

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	FLOODWAY MEAN VELOCITY	WATER SURFACE ELEVATION WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
A - 8.440	870.	2026.	7.9	1299.0	1298.7	0.3
B - 8.520	710.	2880.	5.6	1300.8	1300.3	0.5
C - 8.630	740.	3496.	4.6	1302.2	1301.3	0.9
D - 8.820	800.	2855.	5.6	1304.6	1303.8	0.8
E - 9.000	710.	3289.	4.9	1307.6	1307.6	0.0
F - 9.190	760.	2894.	5.5	1310.2	1310.0	0.2
G - 9.390	725.	2291.	7.0	1314.6	1314.6	0.0
H - 9.580	688.	3321.	4.8	1317.9	1317.7	0.2
I - 9.690	780.	3171.	5.0	1318.8	1318.7	0.1
J - 9.722	667.	2875.	5.6	1319.1	1319.0	0.1
K - 9.723	706.	2060.	7.8	1318.8	1318.7	0.1
L - 9.724	746.	2330.	6.9	1319.2	1319.2	0.0
M - 9.725	693.	3162.	5.1	1319.6	1319.6	0.0
N - 9.770	652.	3999.	4.0	1320.1	1320.1	0.0
O - 9.950	648.	1797.	8.9	1321.7	1321.7	0.0
P - 10.140	637.	3412.	4.7	1325.3	1325.3	0.0
Q - 10.330	652.	1719.	8.4	1327.1	1327.1	0.0
R - 10.400	684.	3049.	4.8	1329.2	1329.2	0.0
S - 10.452	627.	3006.	4.8	1329.4	1329.4	0.0
T - 10.453	666.	2159.	6.7	1329.3	1329.3	0.0
U - 10.454	595.	1779.	8.2	1329.3	1329.3	0.0
V - 10.455	633.	3403.	4.3	1330.2	1330.2	0.0
W - 10.530	670.	1807.	8.0	1331.5	1331.5	0.0
X - 10.720	651.	2387.	6.1	1336.5	1336.5	0.0
Y - 10.930	629.	2622.	5.5	1339.4	1339.4	0.0
Z - 11.090	659.	1683.	8.6	1342.8	1342.8	0.0
AA - 11.120	645.	2303.	6.3	1344.1	1344.1	0.0
AB - 11.310	658.	3408.	4.3	1346.2	1346.2	0.0
AC - 11.510	596.	1770.	8.2	1349.9	1349.9	0.0
AD - 11.520	441.	1415.	10.2	1350.8	1350.8	0.0

1 ESOT for Paradise Valley, AZ

THIS RUN EXECUTED 29-Mar-84 10:49

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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C
T1   10 YR. DISCHARGE                    PRC ENGINEERING
T2   PARADISE VALLEY                     FLOOD INSURANCE STUDY
T3      INDIAN BEND WASH                JAN 1984   FEMA CONTRACT EMW 83C1193

J1  ICHECK    ING       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.       2.        0.        0.   0.000000     0.00      0.0       0.   1297.440   0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    1.000     0.000    -1.000     5.000   100.000     0.000     0.000     0.000     0.000     0.000

J3  VARIABLE CODES FOR SUMMARY PRINTOUT

   38.000    43.000     1.000     2.000    26.000    39.000    21.000    22.000    27.000    28.000

   53.000    54.000     0.000    38.000    13.000    14.000    15.000    55.000    26.000    56.000

   63.000     1.000    52.000     4.000    42.000    57.000     0.000    38.000    39.000    33.000

    3.000    10.000    11.000    12.000     5.000     7.000     8.000    16.000    17.000    18.000

    0.000   100.000     0.000   201.000     0.000     0.000     0.000     0.000     0.000     0.000

J5  LPRNT     NUMSEC                     ********REQUESTED SECTION NUMBERS********

  -10.000   -10.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000

NC      0.035     0.035     0.025     0.100     0.300     0.000     0.000     0.000     0.000     0.000
GT      5.000  3400.000 11300.000 16000.000 35300.000 16000.000     0.000     0.000     0.000     0.000
ET      0.000     9.100     9.100     9.100     9.100     0.000     0.000     0.000  9250.000 10970.000
ET      0.000     0.000     0.000     0.000     0.000     9.100     0.000     0.000  9450.000 10320.000
          SCOTTSDALE ROAD
          CITY OF SCOTTSDALE DOWNSTREAM - TOWN OF PARADISE VALLEY UPSTREAM
X1      8.440     9.000  9875.000 10306.000     0.000     0.000     0.000     0.000     0.000     0.000
QR   1301.000  8720.000  1300.000  8885.000  1297.550  9435.000  1296.400  9875.000  1296.400 10000.000
QR   1296.400 10306.000  1298.500 10925.000  1300.000 11265.000  1301.000 11366.000     0.000     0.000
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NC	0.040	0.040	0.040	0.100	0.300	0.000	0.000	0.000	0.000	0.000
GT	5.000	3400.000	11000.000	16000.000	34000.000	16000.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9370.000	10850.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9590.000	10300.000
X1	8.520	24.000	9971.400	10019.900	40.000	400.000	400.000	0.000	0.000	0.000
GR	1304.200	7833.000	1304.400	8057.800	1303.600	8244.700	1302.800	8577.000	1301.600	8785.000
GR	1299.700	8972.900	1298.300	9242.300	1298.100	9532.300	1297.400	9654.600	1296.500	9724.000
GR	1291.300	9765.300	1296.200	9799.500	1297.400	9894.500	1297.900	9971.400	1293.300	10000.700
GR	1297.300	10019.900	1297.100	10167.500	1297.600	10353.800	1298.400	10546.800	1298.900	10796.600
GR	1300.500	11001.600	1301.400	11222.000	1302.600	11268.700	1303.900	11363.700	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9280.000	10680.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9590.000	10200.000
X1	8.630	21.000	9968.600	10025.700	450.000	575.000	575.000	0.000	0.000	0.000
GR	1300.100	8904.000	1301.500	8975.600	1299.100	9041.500	1297.700	9188.000	1296.600	9334.200
GR	1296.800	9482.000	1295.800	9690.800	1297.700	9852.700	1299.200	9968.600	1294.900	10000.000
GR	1298.200	10025.700	1296.800	10049.800	1298.600	10068.100	1299.200	10200.300	1299.300	10400.300
GR	1299.600	10586.300	1300.900	10786.900	1302.300	10969.300	1304.400	11186.500	1306.200	11352.600
GR	1307.800	11486.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9420.000	10580.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9610.000	10410.000
X1	8.820	31.000	9962.200	10037.800	1030.000	960.000	1000.000	0.000	0.000	0.000
GR	1303.900	9101.400	1305.400	9186.000	1306.100	9357.900	1304.000	9497.400	1301.900	9557.400
GR	1301.600	9653.700	1302.000	9840.400	1301.800	9962.200	1297.400	10000.000	1300.000	10037.800
GR	1300.300	10194.400	1300.800	10297.900	1302.600	10428.700	1306.800	10527.400	1308.500	10589.200
GR	1304.000	10621.300	1303.700	10726.000	1300.700	10738.300	1300.800	10790.800	1304.400	10803.700
GR	1304.400	10833.400	1300.300	10853.600	1300.400	10951.700	1304.400	11000.300	1304.400	11087.000
GR	1305.400	11128.700	1306.000	11282.300	1308.100	11455.100	1309.700	11620.700	1311.100	11789.600
GR	1312.900	11931.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9600.000	10850.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9840.000	10550.000
X1	9.000	32.000	9969.700	10044.000	1040.000	980.000	1030.000	0.000	0.000	0.000
GR	1306.900	9227.400	1308.700	9267.700	1307.800	9354.500	1304.500	9364.200	1304.500	9437.200
GR	1308.000	9470.300	1306.900	9548.200	1305.300	9720.900	1303.100	9969.700	1301.400	10000.000
GR	1302.000	10044.000	1302.200	10206.800	1303.500	10368.000	1304.100	10528.600	1307.500	10629.800
GR	1312.000	10754.600	1311.200	10819.000	1307.500	10875.900	1307.700	10963.100	1309.600	11095.400
GR	1310.400	11178.400	1309.300	11264.500	1310.300	11367.600	1312.700	11391.100	1310.800	11409.200
GR	1311.600	11446.900	1313.000	11472.700	1313.500	11566.600	1313.400	11683.600	1312.900	11836.200
GR	1315.000	11854.200	1315.500	11952.900	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9630.000	10720.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9800.000	10560.000
X1	9.190	38.000	9958.300	10028.300	1105.000	950.000	1000.000	0.000	0.000	0.000
GR	1312.400	9164.800	1312.400	9198.500	1309.900	9229.200	1309.900	9295.600	1311.000	9357.900
GR	1309.600	9521.100	1311.800	9586.900	1311.900	9670.600	1309.800	9750.600	1307.100	9832.400
GR	1306.700	9958.300	1303.500	10000.000	1305.200	10028.300	1305.900	10072.400	1305.300	10180.500
GR	1306.300	10289.000	1306.800	10454.400	1307.900	10513.900	1310.000	10573.800	1310.200	10644.000
GR	1313.300	10702.600	1313.100	10733.000	1314.300	10756.100	1311.500	10798.600	1309.800	10864.800
GR	1309.900	10929.900	1310.900	11088.100	1312.000	11305.300	1313.100	11417.900	1314.700	11592.800
GR	1315.900	11643.400	1316.600	11752.800	1314.000	11772.300	1314.500	11804.800	1317.800	11827.400
GR	1319.300	11962.500	1319.200	11999.100	1320.200	12157.000	0.000	0.000	0.000	0.000

GR	[illegible]	10287.000	1308.800	10454.400	1307.900	[illegible]	1310.000	10573.800	1310.200	10644.000
GR	[illegible].300	10702.600	1313.100	10733.000	1314.300	[illegible]	1311.500	10798.600	1309.800	10864.800
GR	[illegible].900	10929.900	1310.900	11088.100	1312.000	[illegible]	1313.100	11417.900	1314.700	11592.800
GR	1315.900	11643.400	1316.600	11752.800	1314.000	11772.300	1314.500	11804.800	1317.800	11827.400
GR	1319.300	11962.500	1319.200	11999.100	1320.200	12157.000	0.000	0.000	0.000	0.000

ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9480.000	10360.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9630.000	10360.000
X1	9.390	37.000	9982.700	10054.900	970.000	1050.000	1020.000	0.000	0.000	0.000
GR	1314.800	8379.800	1313.400	8421.800	1311.400	8485.900	1312.000	8553.900	1313.600	8569.300
GR	1313.900	8665.300	1311.800	8762.200	1312.600	8796.800	1311.900	8939.500	1313.300	9033.400
GR	1312.600	9177.800	1315.100	9199.400	1316.900	9377.700	1315.000	9412.600	1316.100	9440.300
GR	1312.900	9488.200	1312.700	9589.000	1311.300	9794.000	1311.500	9933.400	1307.800	9982.700
GR	1308.100	10000.000	1308.400	10054.900	1310.400	10082.900	1312.200	10161.100	1313.600	10347.400
GR	1317.800	10379.600	1318.000	10562.600	1317.900	10677.600	1315.500	10699.500	1317.100	10725.100
GR	1316.700	10923.700	1315.800	11147.200	1317.200	11433.800	1312.700	11466.600	1317.400	11504.200
GR	1318.600	11669.100	1319.700	11841.600	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	9650.000	10360.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9650.000	10360.000
X1	9.580	31.000	9953.900	10058.500	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	1320.900	9024.800	1322.300	9191.600	1323.300	9291.100	1322.500	9536.400	1320.800	9620.900
GR	1319.300	9648.900	1314.700	9681.000	1316.100	9722.800	1314.500	9751.600	1313.100	9846.100
GR	1313.400	9897.700	1309.400	9953.900	1308.700	10000.000	1309.700	10058.500	1311.800	10101.200
GR	1313.800	10212.400	1315.600	10250.000	1315.600	10318.800	1319.300	10363.600	1317.300	10633.500
GR	1317.100	10833.700	1315.500	10850.500	1317.100	10864.900	1318.100	10975.600	1317.500	11073.800
GR	1316.500	11113.300	1316.800	11199.300	1318.400	11222.700	1318.400	11292.500	1318.600	11489.000
GR	1321.200	11785.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.035	0.035	0.030	0.300	0.500	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9620.000	10410.000
X1	9.690	16.000	9962.100	10069.100	700.000	350.000	560.000	0.000	0.000	0.000
GR	1321.100	9605.000	1316.000	9659.900	1316.200	9747.900	1313.400	9792.900	1313.800	9869.200
GR	1314.300	9906.700	1312.300	9962.100	1312.500	10000.000	1311.700	10069.100	1314.500	10121.600
GR	1314.600	10202.200	1317.100	10287.700	1317.100	10326.700	1316.400	10409.900	1319.400	10424.300
GR	1318.000	10592.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9609.000	10440.000
X1	9.722	18.000	9967.000	10033.000	180.000	130.000	150.000	0.840	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	1315.000	1315.000	0.000
GR	1321.100	9608.100	1315.980	9659.850	1316.210	9747.930	1313.350	9792.860	1313.830	9869.170
GR	1314.300	9906.670	1312.270	9962.140	1311.780	9967.000	1311.780	10000.000	1311.780	10033.000
GR	1311.700	10069.070	1314.510	10121.550	1314.630	10202.190	1317.050	10287.650	1317.110	10326.650
GR	1316.400	10409.940	1319.430	10424.280	1317.980	10592.160	0.000	0.000	0.000	0.000
NC	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9609.000	10450.000
	INVERGORDON BRIDGE									
X1	9.723	34.000	9973.330	10026.670	10.000	10.000	10.000	0.840	0.000	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.840	0.000
BT	6.000	9608.100	1316.100	1316.100	9659.900	1315.570	1315.570	9840.520	1315.770	1315.770
BT	9848.000	1317.580	1314.780	10042.000	1317.580	1314.780	10047.000	1314.800	1314.800	0.000
GR	1316.100	9608.100	1315.570	9659.900	1315.770	9840.520	1314.780	9843.000	1314.780	9848.000
GR	1314.800	9973.330	1311.780	9973.330	1311.780	9981.670	1314.780	9981.670	1314.780	9982.330
GR	1311.800	9982.330	1311.780	9990.670	1314.780	9990.670	1314.780	9991.330	1311.780	9991.330
GR	1311.800	9999.670	1314.780	9999.670	1314.780	10000.330	1311.780	10000.330	1311.780	10008.670
GR	1314.800	10008.670	1314.780	10009.330	1311.780	10009.330	1311.780	10017.670	1314.780	10017.670
GR	1314.800	10018.330	1311.780	10018.330	1311.780	10026.670	1314.780	[illegible]	[illegible]	[illegible]

GR	[illegible]	800	10047.000	1315.770	10159.480	1315.570	10[illegible]	100	1317.690	10497.120	0.000	0.000

ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9609.000	10450.000
X1	9.724	0.000	0.000	0.000	40.000	40.000	40.000	0.000	0.180	0.000
X2	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.840	0.000
NC	0.035	0.035	0.035	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9609.000	10450.000
X1	9.725	18.000	9967.000	10033.000	10.000	10.000	10.000	0.840	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	1315.500	1315.500	0.000
GR	1321.300	9608.100	1316.160	9659.850	1316.390	9747.930	1313.530	9792.860	1314.010	9869.170
GR	1314.500	9906.670	1312.450	9962.140	1311.960	9967.000	1311.900	10000.000	1311.960	10033.000
GR	1311.900	10069.000	1314.690	10121.550	1314.810	10202.190	1317.230	10287.850	1317.290	10326.650
GR	1316.600	10409.940	1319.610	10424.280	1318.160	10592.160	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9740.000	10400.000
X1	9.770	38.000	9959.000	10069.900	40.000	500.000	200.000	0.000	0.000	0.000
GR	1322.200	9020.500	1321.200	9128.400	1320.000	9154.300	1320.200	9209.300	1320.700	9330.200
GR	1321.200	9361.800	1320.700	9510.500	1314.700	9546.300	1317.000	9571.500	1317.200	9634.300
GR	1316.900	9677.600	1317.500	9699.800	1315.900	9737.100	1314.000	9867.600	1313.800	9959.000
GR	1309.800	10000.000	1311.600	10069.900	1311.800	10108.300	1313.100	10117.400	1314.000	10208.100
GR	1314.500	10321.100	1319.800	10367.700	1319.900	10391.400	1322.200	10396.500	1321.100	10454.800
GR	1321.400	10562.200	1321.000	10596.100	1318.900	10616.500	1319.000	10765.600	1321.900	10798.700
GR	1321.000	10829.300	1321.000	10957.300	1321.000	11130.700	1321.100	11307.100	1320.900	11491.000
GR	1322.900	11517.100	1322.900	11534.800	1324.200	11579.500	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9595.000	10290.000
X1	9.950	24.000	9879.200	10114.400	1010.000	1000.000	1000.000	0.000	0.000	0.000
GR	1326.700	8901.500	1325.900	9146.200	1325.300	9413.300	1325.300	9497.000	1327.200	9520.100
GR	1324.700	9577.800	1321.200	9611.500	1319.900	9641.900	1320.700	9699.300	1319.500	9803.800
GR	1320.400	9835.300	1317.500	9879.200	1316.200	10000.000	1320.600	10114.400	1318.100	10146.000
GR	1317.300	10191.700	1322.700	10269.900	1324.900	10308.000	1324.600	10479.100	1325.200	10710.800
GR	1326.300	10896.900	1326.700	10935.700	1325.300	10943.200	1326.700	11253.800	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9530.000	10200.000
X1	10.140	27.000	9899.400	10070.700	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	1331.300	8660.800	1331.300	8829.300	1330.600	8974.800	1329.300	9000.900	1327.800	9062.200
GR	1328.300	9160.500	1328.100	9288.300	1325.200	9317.200	1325.600	9347.200	1326.200	9369.200
GR	1328.300	9475.800	1323.000	9524.200	1319.400	9594.300	1317.700	9633.600	1317.700	9831.600
GR	1320.300	9841.800	1320.800	9899.400	1319.800	10000.000	1321.400	10070.700	1324.200	10149.100
GR	1326.900	10194.500	1331.300	10210.400	1330.500	10372.800	1331.400	10548.300	1329.100	10595.700
GR	1329.300	10764.000	1329.400	10969.400	0.000	0.000	0.000	0.000	0.000	0.000
GT	5.000	3100.000	10000.000	14500.000	31000.000	14500.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9590.000	10260.000
X1	10.330	21.000	9929.200	10077.600	1000.000	1000.000	1000.000	0.000	0.000	0.000
GR	1335.000	8470.000	1333.800	8707.000	1332.700	9048.500	1331.300	9182.700	1332.100	9216.000
GR	1332.600	9384.800	1330.200	9560.200	1327.000	9589.900	1327.000	9621.100	1324.800	9646.300
GR	1326.800	9711.500	1322.900	9929.200	1321.900	10000.000	1323.700	10077.600	1324.400	10189.900
GR	1326.800	10239.800	1331.800	10274.000	1331.800	10457.500	1333.500	10676.700	1334.300	10892.300
GR	1335.500	11041.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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NC      0.035      0.035      0.030      0.300      0.500      0.000      0.000      0.000      0.000      0.000
ET      0.000      9.100      9.100      9.100      9.100      9.100      0.000      0.000   9632.000  10419.000
X1     10.400     14.000   9956.900  10040.800    150.000    600.000    350.000      0.000      0.000      0.000
GR   1325.300   9631.500   1325.100   9710.500   1325.600   9775.000   1323.000   9871.600   1323.800   9956.900
GR   1321.500  10000.100   1323.100  10040.800   1324.600  10094.400   1325.300  10142.900   1325.400  10194.600
GR   1328.300  10287.400   1329.200  10315.200   1331.800  10346.800   1332.500  10419.200      0.000      0.000

ET      0.000      9.100      9.100      9.100      9.100      9.100      0.000      0.000   9504.000  10470.000
           DOUBLETREE RANCH ROAD BRIDGE
X1     10.452     16.000   9952.000  10048.000     90.000    190.000    230.000      0.770      0.000      0.000
X3     10.000      0.000      0.000      0.000      0.000      0.000      0.000   1325.000   1325.000      0.000
GR   1325.600   9503.700   1325.300   9631.500   1325.100   9710.500   1325.600   9775.000   1323.000   9871.600
GR   1321.600   9952.000   1321.600  10000.000   1321.600  10048.000   1324.600  10094.400   1325.300  10142.900
GR   1325.400  10194.600   1328.300  10287.400   1329.200  10315.200   1331.800  10346.800   1332.500  10419.200
GR   1332.500  10470.000      0.000      0.000      0.000      0.000      0.000      0.000      0.000      0.000

NC      0.020      0.020      0.020      0.000      0.000      0.000      0.000      0.000      0.000      0.000
ET      0.000      9.100      9.100      9.100      9.100      9.100      0.000      0.000   9504.000  10370.000
X1     10.453     35.000   9959.000  10041.100     10.000     10.000     10.000      0.770      0.000      0.000
X2      0.000      0.000      0.000      0.000      0.000      0.000      0.000      0.000      0.770      0.000
BT      5.000   9503.700   1324.600   1324.600   9757.400   1325.600   1325.600   9904.000   1327.300   1324.600
BT  10065.000   1327.300   1324.600  10083.100   1326.700   1326.700      0.000      0.000      0.000      0.000
GR   1324.600   9503.700   1324.500   9625.800   1325.600   9757.400   1325.700   9860.800   1324.600   9904.000
GR   1324.600   9959.000   1321.600   9959.000   1321.600   9971.600   1324.600   9971.600   1324.600   9972.900
GR   1321.600   9972.900   1321.600   9985.500   1324.600   9985.500   1324.600   9986.800   1321.600   9986.800
GR   1321.600   9999.400   1324.600   9999.400   1324.600  10000.700   1321.600  10000.700   1321.600  10013.300
GR   1324.600  10013.300   1324.600  10014.600   1321.600  10014.600   1321.600  10027.200   1324.600  10027.200
GR   1324.600  10028.500   1321.600  10028.500   1321.600  10041.100   1324.600  10041.100   1324.600  10065.000
GR   1326.700  10083.100   1326.700  10162.200   1326.700  10241.200   1327.500  10324.500   1328.400  10368.700

ET      0.000      9.100      9.100      9.100      9.100      9.100      0.000      0.000   9504.000  10470.000
X1     10.454      0.000      0.000      0.000     40.000     40.000     40.000      0.000      0.100      0.000
X2      0.000      0.000      0.000      0.000      0.000      0.000      1.000      0.000      0.770      0.000

NC      0.035      0.035      0.035      0.100      0.300      0.000      0.000      0.000      0.000      0.000
ET      0.000      9.100      9.100      9.100      9.100      9.100      0.000      0.000   9504.000  10470.000
X1     10.455     16.000   9952.000  10048.000     10.000     10.000     10.000      0.770      0.000      0.000
X3     10.000      0.000      0.000      0.000      0.000      0.000      0.000   1325.500   1325.500      0.000
GR   1325.700   9503.700   1325.400   9631.500   1325.200   9710.500   1325.700   9775.000   1323.100   9871.600
GR   1321.700   9952.000   1321.700  10000.000   1321.700  10048.000   1324.700  10094.400   1325.400  10142.900
GR   1325.500  10194.600   1328.400  10287.400   1329.300  10315.200   1331.900  10346.800   1332.600  10419.200
GR   1332.600  10470.000      0.000      0.000      0.000      0.000      0.000      0.000      0.000      0.000

ET      0.000      9.100      9.100      9.100      9.100      9.100      0.000      0.000   9690.000  10360.000
           FLOWLINE 130 FT NORTHEAST OF DOUBLETREE RANCH ROAD
X1     10.530     21.000   9866.800  10122.700    750.000    120.000    400.000      0.000      0.000      0.000
GR   1338.400   8533.600   1338.000   8743.300   1336.100   9130.300   1334.700   9514.300   1335.500   9531.700
GR   1336.000   9601.900   1334.400   9616.000   1334.000   9643.300   1330.200   9709.300   1328.300   9866.800
GR   1325.600  10000.000   1329.700  10122.700   1329.500  10232.500   1330.800  10301.500   1329.900  10350.100
GR   1331.200  10406.800   1335.000  10429.300   1335.400  10578.100   1336.300  10768.900   1338.200  10900.600
GR   1338.100  11091.100      0.000      0.000      0.000      0.000      0.000      0.000      0.000      0.000
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ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9640.000	10300.000
X1	10.720	20.000	9847.900	10166.500	1000.000	1000.000	1010.000	0.000	0.000	0.000
GR	1342.500	8174.500	1341.200	8448.400	1340.700	8703.700	1339.500	8998.300	1339.900	9148.000
GR	1338.800	9342.100	1339.300	9512.500	1338.300	9611.200	1335.200	9676.000	1332.300	9847.900
GR	1328.400	10000.000	1335.500	10166.500	1334.500	10283.500	1338.900	10337.500	1339.100	10493.500
GR	1339.800	10519.300	1340.700	10739.800	1340.000	10855.900	1336.300	10885.000	1339.100	10902.100
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9750.000	10430.000
X1	10.930	23.000	9815.300	10100.000	950.000	1100.000	1020.000	0.000	0.000	0.000
GR	1343.800	8267.100	1344.000	8413.700	1343.600	8751.000	1343.000	9018.700	1341.800	9194.300
GR	1345.900	9231.400	1345.500	9336.200	1342.200	9407.100	1342.900	9480.700	1341.100	9556.100
GR	1342.600	9633.800	1343.700	9707.700	1342.600	9784.300	1336.600	9815.300	1332.900	10000.000
GR	1334.600	10100.000	1335.800	10229.600	1336.400	10411.800	1343.400	10466.500	1344.300	10617.500
GR	1344.900	10794.800	1344.500	10827.600	1344.600	10944.300	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9700.000	10410.000
X1	11.090	14.000	9956.600	10037.200	820.000	850.000	840.000	0.000	0.000	0.000
GR	1349.200	9689.500	1341.900	9738.300	1340.400	9799.600	1340.200	9912.200	1338.800	9956.600
GR	1337.500	10000.000	1338.100	10037.200	1338.900	10087.000	1339.300	10149.700	1342.000	10187.900
GR	1341.400	10338.700	1341.200	10379.700	1345.900	10412.800	1345.200	10512.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9690.000	10380.000
X1	11.120	22.000	9918.200	10059.600	150.000	130.000	140.000	0.000	0.000	0.000
GR	1347.500	8777.600	1346.800	9061.700	1347.400	9403.300	1348.300	9555.100	1350.400	9684.500
GR	1344.700	9717.200	1344.000	9739.300	1345.200	9755.400	1343.400	9786.400	1343.700	9854.000
GR	1341.100	9918.200	1338.300	10000.000	1336.900	10059.600	1339.400	10102.900	1339.900	10209.200
GR	1339.700	10338.900	1346.500	10408.900	1346.300	10671.100	1347.200	10961.300	1347.900	11234.300
GR	1348.300	11390.900	1349.600	11566.400	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9870.000	10565.000
	MOUNTAIN VIEW ROAD AT STREAM MILE 11.16									
	TOWN OF PARADISE VALLEY DOWNSTREAM - CITY OF PHOENIX UPSTREAM									
X1	11.310	32.000	9976.800	10050.000	1000.000	1000.000	1050.000	0.000	0.000	0.000
GR	1350.100	9218.400	1349.300	9419.600	1349.600	9483.300	1351.100	9532.900	1348.500	9776.500
GR	1350.600	9816.600	1349.800	9890.100	1343.700	9918.400	1342.800	9976.800	1339.100	10000.000
GR	1343.000	10050.000	1342.500	10166.600	1338.500	10195.300	1338.500	10319.800	1340.600	10349.500
GR	1340.700	10532.500	1343.900	10567.900	1350.300	10602.900	1350.900	10664.300	1350.600	10845.100
GR	1349.500	10951.700	1350.700	10964.500	1351.700	11067.300	1351.100	11114.500	1349.300	11130.900
GR	1350.000	11220.900	1351.800	11347.100	1352.200	11577.200	1351.300	11629.000	1353.500	11699.900
GR	1353.600	11931.300	1354.100	12157.500	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	9.100	9.100	0.000	0.000	9735.000	10370.000
X1	11.510	18.000	9984.000	10040.000	1000.000	1000.000	1015.000	0.000	0.000	0.000
GR	1351.900	9501.200	1352.600	9533.300	1352.600	9732.100	1348.300	9799.700	1346.400	9984.000
GR	1340.100	10000.000	1347.300	10040.000	1347.300	10169.700	1346.800	10267.500	1347.400	10363.600
GR	1352.700	10401.100	1354.200	10516.400	1354.600	10620.900	1357.600	10657.900	1356.000	10727.400
GR	1354.100	10853.700	1355.900	10928.000	1355.500	11081.900	0.000	0.000	0.000	0.000

ET	0.000	9.100	9.100	9.100	9.100	0.000	0.000	0.000	8640.000	11830.000
ET	0.000	0.000	0.000	0.000	0.000	9.100	0.000	0.000	9750.000	10220.000
X1	11.520	13.000	9750.000	10220.000	20.000	20.000	20.000	0.000	0.000	0.000
GR	1363.000	6540.000	1360.000	7870.000	1359.800	8140.000	1356.000	8640.000	1352.000	9750.000
GR	1348.000	9850.000	1346.600	10000.000	1348.000	10220.000	1352.000	10270.000	1353.000	10570.000
GR	1356.000	11260.000	1360.000	11830.000	1364.000	12580.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 29-Mar-84 10:50

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*************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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T1   50 YR. DISCHARGE                PRC ENGINEERING
T2   PARADISE VALLEY                 FLOOD INSURANCE STUDY
T3      INDIAN BEND WASH             JAN 1984 FEMA CONTRACT EMW 83C1193
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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.000000	0.00	0.0	0.	1298.350	0.000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	5.000	100.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 29-Mar-84 10:51

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  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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T1 100 YR. DISCHARGE PRC ENGINEERING
T2 PARADISE VALLEY FLOOD INSURANCE STUDY
T3 INDIAN BEND WASH JAN 1984 FEMA CONTRACT EMW 83C1193

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.000000	0.00	0.0	0.	1298.730	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 29-Mar-84 10:51

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  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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T1 500 YR. DISCHARGE PRC ENGINEERING
T2 PARADISE VALLEY FLOOD INSURANCE STUDY
T3 INDIAN BEND WASH JAN 1984 FEMA CONTRACT EMW 83C1193

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	5.	0.	0.	0.000000	0.00	0.0	0.	1299.770	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

THIS RUN EXECUTED 29-Mar-84 10:51

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  HEC2 RELEASE DATED NOV 76 UPDATED MARC 1982
  ERROR CORR -  01,02,03,04,05
  MODIFICATION -  50,51,52,53,54,55
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

INDIAN BEND WASH

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
	8.440	3400.00	1297.44	1297.43	5.55	0.00	9875.00	10306.00	9250.00	10970.00	9477.09	10612.55
	8.440	11300.00	1298.35	1298.33	7.78	0.00	9875.00	10306.00	9250.00	10970.00	9255.41	10880.79
	8.440	16000.00	1298.73	0.00	8.47	0.00	9875.00	10306.00	9250.00	10970.00	9250.00	10970.00
	8.440	35300.00	1299.77	0.00	11.02	0.00	9875.00	10306.00	9250.00	10970.00	9250.00	10970.00
	8.520	3400.00	1298.51	0.00	2.98	400.00	9971.40	10019.90	9370.00	10850.00	9370.00	10600.52
	8.520	11000.00	1299.78	0.00	4.51	400.00	9971.40	10019.90	9370.00	10850.00	9370.00	10850.00
	8.520	16000.00	1300.25	0.00	5.30	400.00	9971.40	10019.90	9370.00	10850.00	9370.00	10850.00
	8.520	34000.00	1301.71	0.00	6.90	400.00	9971.40	10019.90	9370.00	10850.00	9370.00	10850.00
	8.630	3400.00	1299.09	0.00	1.93	575.00	9968.60	10025.70	9280.00	10680.00	9280.00	10176.77
	8.630	11000.00	1300.64	0.00	3.29	575.00	9968.60	10025.70	9280.00	10680.00	9280.00	10680.00
	8.630	16000.00	1301.28	0.00	3.87	575.00	9968.60	10025.70	9280.00	10680.00	9280.00	10680.00
	8.630	34000.00	1303.00	0.00	5.34	575.00	9968.60	10025.70	9280.00	10680.00	9280.00	10680.00
*	8.820	3400.00	1301.67	1301.67	7.82	1000.00	9962.20	10037.80	9420.00	10580.00	9631.11	10361.15
	8.820	11000.00	1303.07	0.00	9.23	1000.00	9962.20	10037.80	9420.00	10580.00	9524.35	10439.44
	8.820	16000.00	1303.79	0.00	9.20	1000.00	9962.20	10037.80	9420.00	10580.00	9503.32	10456.73
	8.820	34000.00	1305.65	0.00	10.19	1000.00	9962.20	10037.80	9420.00	10580.00	9420.00	10500.35
	9.000	3400.00	1305.10	0.00	2.79	1030.00	9969.70	10044.00	9600.00	10850.00	9743.81	10558.29
	9.000	11000.00	1306.89	0.00	4.23	1030.00	9969.70	10044.00	9600.00	10850.00	9600.00	10611.64
	9.000	16000.00	1307.61	0.00	4.94	1030.00	9969.70	10044.00	9600.00	10850.00	9600.00	10632.82
	9.000	34000.00	1309.60	0.00	6.61	1030.00	9969.70	10044.00	9600.00	10850.00	9600.00	10850.00
	9.190	3400.00	1307.32	0.00	5.92	1000.00	9958.30	10028.30	9630.00	10720.00	9825.81	10482.39
	9.190	11000.00	1309.13	0.00	6.67	1000.00	9958.30	10028.30	9630.00	10720.00	9770.98	10548.91
	9.190	16000.00	1309.96	0.00	7.18	1000.00	9958.30	10028.30	9630.00	10720.00	9744.32	10572.80
	9.190	34000.00	1312.11	0.00	8.58	1000.00	9958.30	10028.30	9630.00	10720.00	9630.00	10680.19
	9.390	3400.00	1312.40	0.00	5.80	1020.00	9982.70	10054.90	9480.00	10360.00	9632.12	10188.44
	9.390	11000.00	1313.91	0.00	8.42	1020.00	9982.70	10054.90	9480.00	10360.00	9480.00	10349.82
	9.390	16000.00	1314.59	0.00	9.23	1020.00	9982.70	10054.90	9480.00	10360.00	9480.00	10354.94
	9.390	34000.00	1316.43	0.00	11.08	1020.00	9982.70	10054.90	9480.00	10360.00	9480.00	10360.00

9.390	3400.00	1312.40	0.00	5.80	1020.00	[illegible].70	10054.90	9480.00	10360.00	9632.12	10188.44
[illegible]	11000.00	1313.91	0.00	8.42	1020.00	[illegible].70	10054.90	9480.00	10360.00	9480.00	10349.82
[illegible]	16000.00	1314.59	0.00	9.23	1020.00	9982.70	10054.90	9480.00	10360.00	9480.00	10354.94
9.390	34000.00	1316.43	0.00	11.08	1020.00	9982.70	10054.90	9480.00	10360.00	9480.00	10360.00

	SECNO	G	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
	9.580	3400.00	1314.42	0.00	3.73	1000.00	9953.90	10058.50	9650.00	10360.00	9756.88	10225.39
	9.580	11000.00	1316.79	0.00	5.77	1000.00	9953.90	10058.50	9650.00	10360.00	9666.36	10333.30
	9.580	16000.00	1317.74	0.00	6.65	1000.00	9953.90	10058.50	9650.00	10360.00	9659.79	10344.71
	9.580	34000.00	1320.14	0.00	8.92	1000.00	9953.90	10058.50	9650.00	10360.00	9650.00	10360.00
	9.690	3400.00	1315.26	0.00	5.70	560.00	9962.10	10069.10	9620.00	10410.00	9763.04	10224.70
	9.690	11000.00	1317.70	0.00	6.72	560.00	9962.10	10069.10	9620.00	10410.00	9641.54	10410.00
	9.690	16000.00	1318.70	0.00	7.28	560.00	9962.10	10069.10	9620.00	10410.00	9630.81	10410.00
	9.690	34000.00	1321.30	0.00	8.92	560.00	9962.10	10069.10	9620.00	10410.00	9620.00	10410.00
	9.722	3400.00	1315.73	0.00	5.36	150.00	9909.58	9965.02	9608.86	10306.90	9731.87	10139.82
	9.722	11000.00	1317.99	0.00	7.51	150.00	9909.58	9965.02	9608.86	10306.90	9634.59	10287.93
	9.722	16000.00	1318.96	0.00	8.32	150.00	9909.58	9965.02	9608.86	10306.90	9626.30	10291.81
	9.722	34000.00	1321.51	0.00	10.46	150.00	9909.58	9965.02	9608.86	10306.90	9608.86	10306.90
*	9.723	3400.00	1316.48	1316.48	6.48	10.00	9914.89	9959.70	9608.86	10315.30	9608.86	10315.30
*	9.723	11000.00	1317.83	1317.83	4.70	10.00	9914.89	9959.70	9608.86	10315.30	9608.86	10315.30
	9.723	16000.00	1318.72	0.00	4.47	10.00	9914.89	9959.70	9608.86	10315.30	9608.86	10315.30
	9.723	34000.00	1321.34	0.00	4.58	10.00	9914.89	9959.70	9608.86	10315.30	9608.86	10315.30
	9.724	3400.00	1316.93	0.00	4.42	40.00	9914.89	9959.70	9609.00	10450.00	9609.00	10329.92
	9.724	11000.00	1318.66	1317.98	3.27	40.00	9914.89	9959.70	9609.00	10450.00	9609.00	10354.88
	9.724	16000.00	1319.21	0.00	3.82	40.00	9914.89	9959.70	9609.00	10450.00	9609.00	10354.88
	9.724	34000.00	1321.68	0.00	4.16	40.00	9914.89	9959.70	9609.00	10450.00	9609.00	10354.88
	9.725	3400.00	1317.22	0.00	2.85	10.00	9909.58	9965.02	9608.86	10315.30	9642.58	10284.14
	9.725	11000.00	1318.98	0.00	5.27	10.00	9909.58	9965.02	9608.86	10315.30	9627.68	10291.19
	9.725	16000.00	1319.63	0.00	6.51	10.00	9909.58	9965.02	9608.86	10315.30	9622.13	10315.30
	9.725	34000.00	1322.03	0.00	8.68	10.00	9909.58	9965.02	9608.86	10315.30	9608.86	10315.30
	9.770	3400.00	1317.34	0.00	1.90	200.00	9959.00	10069.90	9740.00	10400.00	9740.00	10346.07
	9.770	11000.00	1319.29	0.00	3.87	200.00	9959.00	10069.90	9740.00	10400.00	9740.00	10363.24
	9.770	16000.00	1320.08	0.00	4.86	200.00	9959.00	10069.90	9740.00	10400.00	9740.00	10391.80
	9.770	34000.00	1322.65	0.00	7.05	200.00	9959.00	10069.90	9740.00	10400.00	9740.00	10400.00
*	9.950	3400.00	1319.07	1319.07	7.56	1000.00	9879.20	10114.40	9595.00	10290.00	9855.51	10217.26
*	9.950	11000.00	1321.04	1321.04	9.17	1000.00	9879.20	10114.40	9595.00	10290.00	9615.34	10245.80
*	9.950	16000.00	1321.66	1321.66	10.43	1000.00	9879.20	10114.40	9595.00	10290.00	9607.03	10254.90
	9.950	34000.00	1324.01	0.00	11.50	1000.00	9879.20	10114.40	9595.00	10290.00	9595.00	10290.00
	10.140	3400.00	1321.82	0.00	1.47	1000.00	9899.40	10070.70	9530.00	10200.00	9546.99	10082.73
	10.140	11000.00	1324.25	0.00	3.32	1000.00	9899.40	10070.70	9530.00	10200.00	9530.00	10149.85
	10.140	16000.00	1325.28	0.00	4.11	1000.00	9899.40	10070.70	9530.00	10200.00	9530.00	10167.33
	10.140	34000.00	1327.77	0.00	6.31	1000.00	9899.40	10070.70	9530.00	10200.00	9530.00	10197.65
*	10.330	3100.00	1324.80	1324.80	7.30	1000.00	9929.20	10077.60	9590.00	10260.00	9646.30	10198.23
*	10.330	10000.00	1326.38	1326.38	10.12	1000.00	9929.20	10077.60	9590.00	10260.00	9628.17	10231.13
*	10.330	14500.00	1327.14	1327.14	10.76	1000.00	9929.20	10077.60	9590.00	10260.00	9590.00	10242.14
	10.330	31000.00	1329.79	0.00	10.69	1000.00	9929.20	10077.60	9590.00	10260.00	9590.00	10260.00

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
	10.400	3100.00	1326.30	0.00	3.92	350.00	9956.90	10040.80	9632.00	10419.00	9632.00	10223.60
	10.400	10000.00	1328.42	0.00	5.68	350.00	9956.90	10040.80	9632.00	10419.00	9632.00	10291.19
	10.400	14500.00	1329.25	0.00	6.63	350.00	9956.90	10040.80	9632.00	10419.00	9632.00	10315.77
	10.400	31000.00	1331.39	0.00	9.21	350.00	9956.90	10040.80	9632.00	10419.00	9632.00	10341.94
	10.452	3100.00	1326.46	0.00	3.73	230.00	9848.89	9922.81	9503.93	10247.75	9503.93	10061.74
	10.452	10000.00	1328.59	0.00	5.70	230.00	9848.89	9922.81	9503.93	10247.75	9503.93	10114.05
	10.452	14500.00	1329.44	0.00	6.97	230.00	9848.89	9922.81	9503.93	10247.75	9503.93	10130.69
	10.452	31000.00	1331.63	0.00	9.82	230.00	9848.89	9922.81	9503.93	10247.75	9503.93	10151.26
*	10.453	3100.00	1326.27	1326.27	9.01	10.00	9854.28	9917.50	9503.93	10170.75	9503.93	9946.97
	10.453	10000.00	1328.45	0.00	5.56	10.00	9854.28	9917.50	9503.93	10170.75	9503.93	10169.75
	10.453	14500.00	1329.30	2924 0.00	5.46	10.00	9854.28	9917.50	9503.93	10170.75	9503.93	10169.75
	10.453	31000.00	1331.46	0.00	6.19	10.00	9854.28	9917.50	9503.93	10170.75	9503.93	10169.75
	10.454	3100.00	1327.27	0.00	4.79	40.00	9854.28	9917.50	9504.00	10470.00	9504.00	10109.57
	10.454	10000.00	1328.74	0.00	5.02	40.00	9854.28	9917.50	9504.00	10470.00	9504.00	10169.75
	10.454	14500.00	1329.50	0.00	5.25	40.00	9854.28	9917.50	9504.00	10470.00	9504.00	10169.75
	10.454	31000.00	1331.62	0.00	6.12	40.00	9854.28	9917.50	9504.00	10470.00	9504.00	10169.75
	10.455	3100.00	1327.49	0.00	2.36	10.00	9848.89	9922.81	9503.93	10247.75	9503.93	10084.78
	10.455	10000.00	1329.08	0.00	4.78	10.00	9848.89	9922.81	9503.93	10247.75	9503.93	10123.30
	10.455	14500.00	1329.89	0.00	5.73	10.00	9848.89	9922.81	9503.93	10247.75	9503.93	10134.13
	10.455	31000.00	1332.19	0.00	8.08	10.00	9848.89	9922.81	9503.93	10247.75	9503.93	10177.01
*	10.530	3100.00	1328.88	1328.88	7.34	400.00	9866.80	10122.70	9690.00	10360.00	9818.75	10098.15
*	10.530	10000.00	1330.83	1330.83	8.75	400.00	9866.80	10122.70	9690.00	10360.00	9698.40	10360.00
*	10.530	14500.00	1331.47	1331.47	9.71	400.00	9866.80	10122.70	9690.00	10360.00	9690.00	10360.00
*	10.530	31000.00	1333.00	1333.00	12.85	400.00	9866.80	10122.70	9690.00	10360.00	9690.00	10360.00
	10.720	3100.00	1333.58	0.00	3.77	1010.00	9847.90	10166.50	9640.00	10300.00	9772.25	10121.39
	10.720	10000.00	1335.71	0.00	6.03	1010.00	9847.90	10166.50	9640.00	10300.00	9665.43	10298.30
	10.720	14500.00	1336.52	0.00	6.92	1010.00	9847.90	10166.50	9640.00	10300.00	9648.43	10300.00
	10.720	31000.00	1338.86	0.00	8.90	1010.00	9847.90	10166.50	9640.00	10300.00	9640.00	10300.00
	10.930	3100.00	1336.36	0.00	4.60	1020.00	9815.30	10100.00	9750.00	10430.00	9827.46	10398.56
	10.930	10000.00	1338.50	0.00	5.39	1020.00	9815.30	10100.00	9750.00	10430.00	9805.48	10428.21
	10.930	14500.00	1339.39	0.00	6.08	1020.00	9815.30	10100.00	9750.00	10430.00	9800.88	10430.00
	10.930	31000.00	1341.80	0.00	8.03	1020.00	9815.30	10100.00	9750.00	10430.00	9788.40	10430.00
	11.090	3100.00	1340.77	1340.58	6.86	840.00	9956.60	10037.20	9700.00	10410.00	9784.73	10170.41
*	11.090	10000.00	1342.31	1342.31	9.80	840.00	9956.60	10037.20	9700.00	10410.00	9735.59	10387.49
*	11.090	14500.00	1342.80	1342.80	11.44	840.00	9956.60	10037.20	9700.00	10410.00	9732.29	10390.96
	11.090	31000.00	1344.59	0.00	13.59	840.00	9956.60	10037.20	9700.00	10410.00	9720.32	10403.58
	11.120	3100.00	1341.60	0.00	3.39	140.00	9918.20	10059.60	9690.00	10380.00	9905.87	10358.45
	11.120	10000.00	1343.39	0.00	5.86	140.00	9918.20	10059.60	9690.00	10380.00	9861.54	10376.93
	11.120	14500.00	1344.13	0.00	7.01	140.00	9918.20	10059.60	9690.00	10380.00	9735.23	10380.00
	11.120	31000.00	1345.99	0.00	9.98	140.00	9918.20	10059.60	9690.00	10380.00	9709.84	10380.00

	11.120	31000.00	1345.99	0.00	9.98	140.00	18.20	10059.60	9690.00	10380.00	9709.84	10380.00

	SECNO	Q	CWSEL	CRIWS	VCH	XLCH	STCHL	STCHR	STENCL	STENCR	SSTA	ENDST
	11.310	3100.00	1342.77	0.00	1.79	1050.00	9976.80	10050.00	9870.00	10565.00	9976.95	10555.47
	11.310	10000.00	1345.13	0.00	3.34	1050.00	9976.80	10050.00	9870.00	10565.00	9911.75	10565.00
	11.310	14500.00	1346.16	0.00	4.00	1050.00	9976.80	10050.00	9870.00	10565.00	9906.99	10565.00
	11.310	31000.00	1348.85	0.00	5.82	1050.00	9976.80	10050.00	9870.00	10565.00	9894.47	10565.00
*	11.510	3100.00	1348.06	1348.06	7.76	1015.00	9984.00	10040.00	9735.00	10370.00	9822.51	10368.30
*	11.510	10000.00	1349.30	1349.30	11.48	1015.00	9984.00	10040.00	9735.00	10370.00	9783.97	10370.00
*	11.510	14500.00	1349.95	1349.95	12.44	1015.00	9984.00	10040.00	9735.00	10370.00	9773.83	10370.00
*	11.510	31000.00	1351.62	1351.62	15.42	1015.00	9984.00	10040.00	9735.00	10370.00	9747.58	10370.00
*	11.520	3100.00	1348.60	1348.60	6.39	20.00	9750.00	10220.00	8640.00	11830.00	9835.07	10227.47
*	11.520	10000.00	1350.09	1350.09	9.08	20.00	9750.00	10220.00	8640.00	11830.00	9797.77	10246.12
*	11.520	14500.00	1350.83	1350.83	10.10	20.00	9750.00	10220.00	8640.00	11830.00	9779.27	10255.37
*	11.520	31000.00	1353.48	1353.48	10.56	20.00	9750.00	10220.00	8640.00	11830.00	9338.89	10680.74

INDIAN BEND WASH

SUMMARY PRINTOUT

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFKWS	TOPWID	ELMIN	ALPHA
	8.440	516.34	2485.87	397.79	2.50	5.55	2.50	1301.00	1297.44	0.00	1135.47	1296.40	1.39
	8.440	2801.57	6537.07	1961.36	4.14	7.78	3.50	1301.00	1298.35	0.91	1625.38	1296.40	1.40
	8.440	4276.13	8504.08	3219.79	4.68	8.47	4.03	1301.00	1298.73	1.29	1720.00	1296.40	1.36
	8.440	10275.86	16008.17	9015.97	6.57	11.02	6.06	1301.00	1299.77	2.33	1720.00	1296.40	1.25
	8.520	2196.01	438.11	765.88	2.62	2.98	1.50	1303.90	1298.51	0.00	1230.52	1291.30	1.18
	8.520	5981.70	939.17	4079.13	3.73	4.51	2.73	1303.90	1299.78	1.27	1480.00	1291.30	1.09
	8.520	8339.94	1225.42	6434.63	4.42	5.30	3.41	1303.90	1300.25	1.75	1480.00	1291.30	1.07
	8.520	16360.12	2082.09	15557.79	5.92	6.90	5.03	1303.90	1301.71	3.20	1480.00	1291.30	1.03
	8.630	3044.03	250.46	105.51	2.01	1.93	1.16	1307.80	1299.09	0.00	887.73	1294.90	1.02
	8.630	8584.52	716.24	1699.23	3.33	3.29	1.83	1307.80	1300.64	1.54	1400.00	1294.90	1.13
	8.630	11777.06	984.65	3238.28	3.90	3.87	2.41	1307.80	1301.28	2.18	1400.00	1294.90	1.11
	8.630	22473.33	1882.43	9644.25	5.35	5.34	3.90	1307.80	1303.00	3.91	1400.00	1294.90	1.06
*	8.820	0.88	1489.77	1909.36	0.45	7.82	5.00	1312.90	1301.67	0.00	453.27	1297.40	1.16
	8.820	2210.54	2726.42	6063.04	4.25	9.23	6.78	1312.90	1303.07	1.40	915.09	1297.40	1.21
	8.820	4335.10	3227.89	8437.01	5.10	9.20	7.05	1312.90	1303.79	2.12	953.41	1297.40	1.13
	8.820	12317.41	5007.15	16675.44	6.86	10.19	8.28	1312.90	1305.65	3.98	1080.35	1297.40	1.06
	9.000	291.66	658.49	2449.85	1.29	2.79	2.28	1315.50	1305.10	0.00	814.48	1301.40	1.10
	9.000	2067.70	1561.94	7370.36	2.61	4.23	3.61	1315.50	1306.89	1.79	1011.64	1301.40	1.07
	9.000	3456.97	2088.47	10454.57	3.26	4.94	4.25	1315.50	1307.61	2.50	1032.82	1301.40	1.05
	9.000	8853.57	3771.05	21375.39	4.93	6.61	5.79	1315.50	1309.60	4.49	1094.56	1301.40	1.02
	9.190	94.44	1043.85	2261.72	1.77	5.92	4.02	1320.20	1307.32	0.00	656.58	1303.50	1.17
	9.190	1360.65	2021.95	7617.40	3.97	6.67	5.24	1320.20	1309.13	1.81	777.94	1303.50	1.06
	9.190	2352.43	2597.86	11049.71	4.61	7.18	5.82	1320.20	1309.96	2.64	828.48	1303.50	1.05
	9.190	6404.75	4396.22	23199.03	6.00	8.58	7.14	1320.20	1312.11	4.80	1050.19	1303.50	1.03
	9.390	1036.44	1769.34	594.22	2.84	5.80	3.43	1319.70	1312.40	0.00	556.32	1307.80	1.36
	9.390	5079.95	3489.77	2430.28	4.74	8.42	4.67	1319.70	1313.91	1.51	869.82	1307.80	1.26
	9.390	7861.50	4266.97	3871.53	5.58	9.23	5.38	1319.70	1314.59	2.18	874.94	1307.80	1.18
	9.390	17958.72	6602.48	9438.80	7.68	11.08	7.36	1319.70	1316.43	4.03	880.00	1307.80	1.08
	9.580	572.64	2061.53	765.83	1.98	3.73	2.24	1321.20	1314.42	0.00	468.51	1308.70	1.24
	9.580	3104.27	4624.28	3271.44	3.50	5.77	3.75	1321.20	1316.79	2.38	666.94	1308.70	1.17
	9.580	4943.78	5990.53	5065.69	4.26	6.65	4.46	1321.20	1317.74	3.32	684.92	1308.70	1.14
	9.580	11871.02	10266.91	11862.07	6.31	8.92	6.41	1321.20	1320.14	5.72	710.00	1308.70	1.08
	9.690	986.21	1861.37	552.42	3.20	5.70	3.11	1318.00	1315.26	0.00	461.66	1311.70	1.27
	9.690	4176.79	3956.89	2866.32	4.25	6.72	3.78	1318.00	1317.70	2.45	768.46	1311.70	1.20
	9.690	6235.75	5063.13	4701.12	4.77	7.28	4.28	1318.00	1318.70	3.44	779.19	1311.70	1.17
	9.690	13685.24	8695.81	11618.95	6.24	8.92	5.85	1318.00	1321.30	6.05	790.00	1311.70	1.10

	690	13685.24	8695.81	11618.95	6.24	8.92	5.85	1318.00	1321.30	6.05	790.00	1311.70	1.10

	SECNO	GLOB	GCH	GROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFKWS	TOPWID	ELMIN	ALPHA
	9.722	1078.92	1174.64	1146.45	3.03	5.36	3.44	1317.98	1315.73	0.00	407.95	1311.70	1.20
	9.722	4283.82	2582.68	4133.49	4.63	7.51	4.55	1317.98	1317.99	2.26	653.34	1311.70	1.15
	9.722	6372.13	3310.69	6317.18	5.32	8.32	5.15	1317.98	1318.96	3.23	665.51	1311.70	1.12
	9.722	13870.93	5644.60	14484.47	7.12	10.46	6.92	1317.98	1321.51	5.78	698.04	1311.70	1.08
*	9.723	735.60	815.95	1848.46	4.80	6.48	5.99	1317.69	1316.48	0.00	706.44	1311.78	1.03
*	9.723	3329.87	643.39	7026.74	7.43	4.70	9.09	1317.69	1317.88	1.35	706.44	1311.78	1.08
	9.723	5292.45	793.75	9913.80	7.31	4.47	9.07	1317.69	1318.72	2.24	706.44	1311.78	1.08
	9.723	12699.09	1349.35	19951.56	8.34	4.58	9.87	1317.69	1321.34	4.86	706.44	1311.78	1.07
	9.724	903.20	557.27	1939.53	4.36	4.42	4.78	1317.87	1316.93	0.00	720.92	1311.96	1.01
	9.724	3755.31	571.34	6673.35	5.62	3.27	6.24	1317.87	1318.66	1.73	745.88	1311.96	1.06
	9.724	5644.29	758.61	9597.10	6.78	3.82	7.48	1317.87	1319.21	2.28	745.88	1311.96	1.06
	9.724	12934.46	1289.23	19776.31	8.12	4.16	8.73	1317.87	1321.68	4.74	745.88	1311.96	1.05
	9.725	1312.61	837.26	1250.12	1.96	2.85	2.06	1318.16	1317.22	0.00	601.77	1311.90	1.08
	9.725	4499.30	2061.89	4438.81	3.90	5.27	3.78	1318.16	1318.98	1.76	663.50	1311.90	1.05
	9.725	6597.14	2784.54	6618.31	4.92	6.51	4.75	1318.16	1319.63	2.41	693.17	1311.90	1.04
	9.725	14192.01	4861.17	14946.82	6.92	8.68	6.70	1318.16	1322.03	4.81	706.44	1311.90	1.02
	9.770	712.47	1316.72	1370.80	1.15	1.90	1.39	1324.20	1317.34	0.00	606.07	1309.80	1.13
	9.770	2838.61	3512.00	4649.39	2.70	3.87	3.01	1324.20	1319.29	1.95	623.24	1309.80	1.06
	9.770	4307.34	4839.32	6853.35	3.53	4.86	3.84	1324.20	1320.08	2.74	651.80	1309.80	1.05
	9.770	9827.77	9023.03	15149.20	5.51	7.05	5.78	1324.20	1322.65	5.31	660.00	1309.80	1.03
*	9.950	77.00	2827.88	495.12	4.15	7.56	5.45	1326.70	1319.07	0.00	302.44	1316.20	1.06
*	9.950	1304.99	7402.46	2292.56	4.65	9.17	7.47	1326.70	1321.04	1.97	630.46	1316.20	1.14
*	9.950	2712.92	9955.86	3331.22	6.03	10.43	8.49	1326.70	1321.66	2.60	647.87	1316.20	1.12
	9.950	9324.19	17341.92	7333.89	8.40	11.50	9.59	1326.70	1324.01	4.95	695.00	1316.20	1.06
	10.140	3044.75	354.16	1.09	2.75	1.47	0.42	1329.40	1321.82	0.00	535.74	1317.70	1.10
	10.140	8630.17	2173.23	196.60	4.33	3.32	1.74	1329.40	1324.25	2.42	619.85	1317.70	1.07
	10.140	12056.87	3422.18	520.94	5.08	4.11	2.55	1329.40	1325.28	3.46	637.33	1317.70	1.06
	10.140	23865.50	7949.42	2185.08	7.24	6.31	4.44	1329.40	1327.77	5.95	667.65	1317.70	1.04
*	10.330	421.69	2374.60	303.70	4.18	7.30	3.53	1335.50	1324.80	0.00	375.12	1321.90	1.21
*	10.330	2242.10	5665.03	2092.87	5.69	10.12	6.91	1335.50	1326.38	1.58	566.08	1321.90	1.19
*	10.330	3968.96	7234.10	3296.93	6.38	10.76	7.77	1335.50	1327.14	2.34	652.14	1321.90	1.16
	10.330	11998.50	11391.75	7609.75	7.89	10.69	8.61	1335.50	1329.79	4.99	670.00	1321.90	1.06
	10.400	1325.88	1257.66	516.47	2.25	3.92	1.99	1332.50	1326.30	0.00	591.60	1321.50	1.29
	10.400	4803.91	2829.96	2366.13	3.76	5.68	3.29	1332.50	1328.42	2.12	659.19	1321.50	1.15
	10.400	7007.51	3763.38	3729.11	4.53	6.63	3.99	1332.50	1329.25	2.94	683.77	1321.50	1.12
	10.400	14910.50	6889.76	9199.74	6.64	9.21	5.91	1332.50	1331.39	5.09	709.94	1321.50	1.09
	10.452	1315.75	1339.90	444.35	2.03	3.73	1.90	1332.50	1326.46	0.00	557.81	1321.60	1.33
	10.452	5026.04	3047.50	1926.45	3.63	5.90	3.29	1332.50	1328.59	2.13	610.12	1321.60	1.19
	10.452	7442.41	4031.49	3026.10	4.45	6.97	4.01	1332.50	1329.44	2.98	626.76	1321.60	1.16
	10.452	16260.08	7274.90	7465.02	6.69	7.82	6.05	1332.50	1331.63	5.18	647.33	1321.60	1.11

	SECNO	QLOB	QCH	QROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFKWS	TOPWID	ELMIN	ALPHA
*	10.453	1526.70	1573.30	0.00	5.10	9.01	0.00	1328.40	1326.27	0.00	443.04	1321.60	1.26
	10.453	6217.80	1375.26	2406.94	6.32	5.56	6.73	1328.40	1328.45	2.18	665.82	1321.60	1.01
	10.453	8444.88	1645.00	4410.12	6.58	5.46	7.69	1328.40	1329.30	3.04	665.82	1321.60	1.03
	10.453	16643.58	2710.26	11646.16	8.16	6.19	10.42	1328.40	1331.46	5.19	665.82	1321.60	1.07
	10.454	2090.16	836.21	173.64	3.81	4.79	2.49	1328.50	1327.27	0.00	605.57	1321.70	1.07
	10.454	6101.93	1335.64	2562.43	5.74	5.02	6.26	1328.50	1328.74	1.47	665.75	1321.70	1.01
	10.454	8399.08	1648.34	4452.58	6.32	5.25	7.41	1328.50	1329.50	2.24	665.75	1321.70	1.03
	10.454	16644.05	2738.90	11617.05	8.04	6.12	10.24	1328.50	1331.62	4.35	665.75	1321.70	1.07
	10.455	1539.95	1011.42	548.63	1.59	2.36	1.46	1332.60	1327.49	0.00	580.85	1321.70	1.13
	10.455	5303.52	2605.59	2090.90	3.49	4.78	3.16	1332.60	1329.08	1.58	619.37	1321.70	1.08
	10.455	7786.26	3471.26	3242.47	4.33	5.73	3.90	1332.60	1329.89	2.40	630.19	1321.70	1.06
	10.455	16833.04	6270.27	7896.69	6.48	8.08	5.86	1332.60	1332.19	4.70	673.08	1321.70	1.04
*	10.530	30.20	3069.80	0.00	2.17	7.34	0.00	1338.10	1328.88	0.00	279.40	1325.60	1.04
*	10.530	1273.99	7929.51	796.50	5.06	8.75	3.74	1338.10	1330.83	1.95	661.60	1325.60	1.22
*	10.530	2260.64	10387.47	1851.89	6.23	9.71	5.08	1338.10	1331.47	2.59	670.00	1325.60	1.18
*	10.530	6017.00	18796.82	6186.19	9.49	12.85	8.49	1338.10	1333.00	4.12	670.00	1325.60	1.10
	10.720	65.70	3034.30	0.00	1.36	3.77	0.00	1339.10	1333.58	0.00	349.14	1328.40	1.06
	10.720	1162.05	8679.57	158.38	3.43	6.03	1.73	1339.10	1335.71	2.13	632.87	1328.40	1.15
	10.720	2158.35	11749.73	591.93	4.37	6.92	2.96	1339.10	1336.52	2.94	651.57	1328.40	1.14
	10.720	6403.95	21757.07	2838.98	6.54	8.90	5.54	1339.10	1338.86	5.28	660.00	1328.40	1.08
	10.930	0.00	2571.99	528.01	0.00	4.60	2.68	1344.60	1336.36	0.00	571.10	1332.90	1.12
	10.930	18.75	6297.63	3683.62	2.01	5.39	4.17	1344.60	1338.50	2.14	622.73	1332.90	1.05
	10.930	51.67	8645.19	5803.14	2.57	6.08	4.94	1344.60	1339.39	3.03	629.11	1332.90	1.04
	10.930	276.83	16944.42	13778.75	3.95	8.03	6.98	1344.60	1341.80	5.44	641.60	1332.90	1.02
	11.090	339.49	1534.04	1226.47	3.06	6.86	5.28	1345.20	1340.77	0.00	385.68	1337.50	1.18
*	11.090	2533.10	3410.90	4056.00	6.01	9.80	6.87	1345.20	1342.31	1.54	651.90	1337.50	1.13
*	11.090	3955.38	4435.17	6109.45	7.44	11.44	7.99	1345.20	1342.80	2.03	658.67	1337.50	1.11
	11.090	9480.63	7233.51	14285.85	10.04	13.59	10.14	1345.20	1344.59	3.83	683.26	1337.50	1.05
	11.120	2.09	1336.25	1761.66	0.68	3.39	2.90	1349.60	1341.60	0.00	452.58	1336.90	1.02
	11.120	151.49	3798.08	6050.43	2.33	5.86	5.21	1349.60	1343.39	1.80	515.40	1336.90	1.04
	11.120	436.32	5271.00	8792.68	2.81	7.01	6.30	1349.60	1344.13	2.53	611.95	1336.90	1.06
	11.120	2659.86	10113.23	18226.91	5.22	9.98	9.16	1349.60	1345.99	4.39	670.16	1336.90	1.08
	11.310	0.00	231.05	2868.95	0.00	1.79	2.57	1354.10	1342.77	0.00	523.61	1338.50	1.03
	11.310	223.77	1005.12	8771.11	1.95	3.34	3.78	1354.10	1345.13	2.36	653.25	1338.50	1.03
	11.310	488.80	1507.08	12504.12	2.66	4.00	4.39	1354.10	1346.16	3.38	658.01	1338.50	1.02
	11.310	1701.12	3341.92	25956.96	4.37	5.82	6.12	1354.10	1348.85	6.08	670.53	1338.50	1.02
*	11.510	346.54	1953.85	799.62	2.58	7.76	2.73	1355.50	1348.06	0.00	545.79	1340.10	1.95
*	11.510	2073.65	3683.11	4243.24	5.65	11.48	6.06	1355.50	1349.30	1.24	586.02	1340.10	1.36
*	11.510	3408.41	4439.87	6651.71	6.82	12.44	7.28	1355.50	1349.95	1.88	596.16	1340.10	1.23
*	11.510	8587.02	6945.64	15467.34	9.84	15.42	10.56	1355.50	1351.62	3.55	622.42	1340.10	1.10

*	11.510	8587.02	6945.64	15467.34	9.84	15.42	10.56	[illegible]	[illegible]	[illegible]	3.55	622.42	1340.10	1.10

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	SECNO	GLOB	GCH	GROB	VLOB	VCH	VROB	TELMX	CWSEL	DIFKWS	TOPWID	ELMIN	ALPHA
*	11.520	0.00	3094.55	5.45	0.00	6.39	2.44	1364.00	1348.60	0.00	392.40	1346.60	1.00
*	11.520	0.00	9864.49	135.51	0.00	9.08	4.97	1364.00	1350.09	1.49	448.35	1346.60	1.01
*	11.520	0.00	14206.60	293.40	0.00	10.10	5.86	1364.00	1350.83	2.23	476.10	1346.60	1.02
*	11.520	834.04	27823.64	2342.32	2.74	10.56	4.73	1364.00	1353.48	4.88	1341.85	1346.60	1.25

	560.00	5.36	1322.04	0.74	1.08	[illegible]02	17.07	753.88	9.60	35.00	30.00	[illegible]00

	SECNO	XLCH	K*CHSL	EQ	HV	HL	OLOSS	10K*S	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
	9.722	150.00	0.00	1315.99	0.26	0.36	0.03	18.75	159.34	4.03	35.00	30.00	35.00
	9.722	150.00	0.00	1318.44	0.46	0.30	0.02	20.20	374.03	6.29	35.00	30.00	35.00
	9.722	150.00	0.00	1319.52	0.56	0.30	0.04	20.39	477.98	7.26	35.00	30.00	35.00
	9.722	150.00	0.00	1322.43	0.92	0.29	0.09	21.49	771.14	9.81	35.00	30.00	35.00
*	9.723	10.00	8.00	1317.01	0.54	0.03	0.14	71.27	159.51	4.70	20.00	20.00	20.00
*	9.723	10.00	8.00	1318.93	1.10	0.03	0.32	51.09	374.44	6.05	20.00	20.00	20.00
	9.723	10.00	8.00	1319.80	1.08	0.03	0.26	32.88	478.53	6.94	20.00	20.00	20.00
	9.723	10.00	8.00	1322.64	1.30	0.02	0.19	17.57	772.10	9.56	20.00	20.00	20.00
	9.724	40.00	4.50	1317.26	0.33	0.19	0.06	33.25	160.12	4.97	20.00	20.00	20.00
	9.724	40.00	4.50	1319.21	0.54	0.11	0.17	18.00	375.94	6.70	20.00	20.00	20.00
	9.724	40.00	4.50	1319.99	0.78	0.10	0.09	20.59	480.51	7.25	20.00	20.00	20.00
	9.724	40.00	4.50	1322.77	1.09	0.06	0.06	13.50	775.78	9.72	20.00	20.00	20.00
	9.725	10.00	-6.00	1317.30	0.08	0.01	0.03	4.90	160.38	5.32	35.00	35.00	35.00
	9.725	10.00	-6.00	1319.25	0.27	0.01	0.03	11.40	376.47	7.08	35.00	35.00	35.00
	9.725	10.00	-6.00	1320.05	0.41	0.02	0.04	15.45	481.14	7.73	35.00	35.00	35.00
	9.725	10.00	-6.00	1322.81	0.78	0.02	0.03	19.13	776.81	10.13	35.00	35.00	35.00
	9.770	200.00	-10.50	1317.38	0.04	0.07	0.00	1.76	172.40	7.54	35.00	35.00	35.00
	9.770	200.00	-10.50	1319.46	0.16	0.20	0.01	5.04	396.08	9.49	35.00	35.00	35.00
	9.770	200.00	-10.50	1320.34	0.26	0.27	0.02	7.06	503.82	10.28	35.00	35.00	35.00
	9.770	200.00	-10.50	1323.22	0.57	0.38	0.02	10.60	810.63	12.85	35.00	35.00	35.00
*	9.950	1000.00	6.40	1319.88	0.81	0.57	0.23	133.06	204.46	2.87	35.00	35.00	35.00
*	9.950	1000.00	6.40	1322.14	1.10	1.32	0.28	90.17	452.45	4.84	35.00	35.00	35.00
*	9.950	1000.00	6.40	1323.04	1.38	1.74	0.34	93.12	570.56	5.46	35.00	35.00	35.00
	9.950	1000.00	6.40	1325.67	1.66	2.12	0.33	61.68	915.03	7.81	35.00	35.00	35.00
	10.140	1000.00	1.50	1321.93	0.11	1.98	0.07	7.62	225.50	4.12	35.00	35.00	35.00
	10.140	1000.00	1.50	1324.51	0.26	2.29	0.08	10.24	500.13	6.55	35.00	35.00	35.00
	10.140	1000.00	1.50	1325.65	0.36	2.50	0.10	11.39	630.35	7.58	35.00	35.00	35.00
	10.140	1000.00	1.50	1328.51	0.74	2.75	0.09	15.48	1011.76	10.07	35.00	35.00	35.00
*	10.330	1000.00	4.20	1325.49	0.69	1.79	0.17	103.96	246.88	2.90	35.00	35.00	35.00
*	10.330	1000.00	4.20	1327.55	1.17	2.22	0.27	96.63	546.23	4.48	35.00	35.00	35.00
*	10.330	1000.00	4.20	1328.42	1.28	2.34	0.28	85.58	689.25	5.24	35.00	35.00	35.00
	10.330	1000.00	4.20	1331.10	1.31	2.42	0.17	45.78	1109.51	7.89	35.00	35.00	35.00
	10.400	350.00	-1.14	1326.44	0.14	0.79	0.16	10.47	253.04	4.80	35.00	30.00	35.00
	10.400	350.00	-1.14	1328.71	0.29	0.89	0.26	12.22	560.39	6.92	35.00	30.00	35.00
	10.400	350.00	-1.14	1329.64	0.39	0.95	0.27	14.01	707.33	7.75	35.00	30.00	35.00
	10.400	350.00	-1.14	1332.18	0.78	0.92	0.16	18.70	1140.08	9.89	35.00	30.00	35.00
	10.452	230.00	0.43	1326.59	0.13	0.14	0.00	6.90	257.20	4.86	35.00	30.00	35.00
	10.452	230.00	0.43	1328.89	0.30	0.17	0.01	10.61	568.67	6.99	35.00	30.00	35.00
	10.452	230.00	0.43	1329.85	0.42	0.20	0.01	12.73	717.37	7.84	35.00	30.00	35.00
	10.452	230.00	0.43	1332.49	0.85	0.27	0.03	18.16	1154.93	10.03	35.00	30.00	35.00

	SECND	XLCH	K*CHSL	EG	HV	HL	OLOSS	10K*S	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	10.453	10.00	0.00	1327.11	0.84	0.02	0.35	122.63	257.39	4.67	20.00	20.00	20.00
	10.453	10.00	0.00	1329.07	0.62	0.02	0.16	46.72	569.14	6.85	20.00	20.00	20.00
	10.453	10.00	0.00	1330.03	0.72	0.02	0.15	34.54	717.96	7.70	20.00	20.00	20.00
	10.453	10.00	0.00	1332.70	1.24	0.02	0.19	27.00	1155.85	9.86	20.00	20.00	20.00
	10.454	40.00	2.50	1327.52	0.25	0.24	0.18	34.64	257.98	5.57	20.00	20.00	20.00
	10.454	40.00	2.50	1329.26	0.52	0.16	0.03	34.57	570.67	7.04	20.00	20.00	20.00
	10.454	40.00	2.50	1330.17	0.67	0.13	0.02	30.28	719.98	7.80	20.00	20.00	20.00
	10.454	40.00	2.50	1332.82	1.20	0.11	0.01	25.62	1159.18	9.92	20.00	20.00	20.00
	10.455	10.00	0.00	1327.55	0.05	0.01	0.02	2.98	258.27	5.79	35.00	35.00	35.00
	10.455	10.00	0.00	1329.30	0.23	0.02	0.03	8.81	571.18	7.38	35.00	35.00	35.00
	10.455	10.00	0.00	1330.22	0.33	0.02	0.03	11.02	720.61	8.19	35.00	35.00	35.00
	10.455	10.00	0.00	1332.89	0.70	0.02	0.05	15.73	1160.14	10.49	35.00	35.00	35.00
*	10.530	400.00	9.75	1329.71	0.83	0.42	0.23	136.05	271.15	3.28	35.00	35.00	35.00
*	10.530	400.00	9.75	1331.84	1.01	0.94	0.24	78.67	594.29	5.23	35.00	35.00	35.00
*	10.530	400.00	9.75	1332.66	1.19	1.10	0.26	77.72	748.57	5.87	35.00	35.00	35.00
*	10.530	400.00	9.75	1335.05	2.05	1.45	0.41	89.73	1201.08	7.40	35.00	35.00	35.00
	10.720	1010.00	2.77	1333.79	0.22	4.02	0.06	18.71	286.04	5.18	35.00	35.00	35.00
	10.720	1010.00	2.77	1336.22	0.51	4.33	0.05	26.99	631.76	7.31	35.00	35.00	35.00
	10.720	1010.00	2.77	1337.17	0.65	4.46	0.05	28.50	796.98	8.12	35.00	35.00	35.00
	10.720	1010.00	2.77	1339.90	1.04	4.75	0.10	29.06	1279.13	10.46	35.00	35.00	35.00
	10.930	1020.00	4.41	1336.66	0.29	2.84	0.02	45.12	305.02	3.46	35.00	35.00	35.00
	10.930	1020.00	4.41	1338.88	0.38	2.65	0.01	24.57	678.39	5.60	35.00	35.00	35.00
	10.930	1020.00	4.41	1339.88	0.49	2.70	0.02	24.07	856.49	6.49	35.00	35.00	35.00
	10.930	1020.00	4.41	1342.69	0.89	2.77	0.02	24.80	1375.27	8.90	35.00	35.00	35.00
	11.090	840.00	5.48	1341.31	0.55	4.58	0.08	66.91	317.79	3.27	35.00	35.00	35.00
*	11.090	840.00	5.48	1343.25	0.95	3.36	0.17	75.86	711.43	4.81	35.00	35.00	35.00
*	11.090	840.00	5.48	1344.07	1.27	3.51	0.23	89.44	898.05	5.30	35.00	35.00	35.00
	11.090	840.00	5.48	1346.47	1.88	3.49	0.30	82.80	1443.29	7.09	35.00	35.00	35.00
	11.120	140.00	-4.29	1341.75	0.15	0.40	0.04	16.32	320.24	4.70	35.00	35.00	35.00
	11.120	140.00	-4.29	1343.85	0.46	0.55	0.05	25.10	716.48	6.49	35.00	35.00	35.00
	11.120	140.00	-4.29	1344.78	0.65	0.65	0.06	29.45	904.28	7.23	35.00	35.00	35.00
	11.120	140.00	-4.29	1347.29	1.31	0.76	0.06	39.97	1453.35	9.09	35.00	35.00	35.00
	11.310	1050.00	1.52	1342.87	0.10	1.12	0.01	7.96	346.36	4.27	35.00	35.00	35.00
	11.310	1050.00	1.52	1345.35	0.21	1.47	0.02	9.44	769.94	6.63	35.00	35.00	35.00
	11.310	1050.00	1.52	1346.45	0.29	1.63	0.04	10.11	970.48	7.66	35.00	35.00	35.00
	11.310	1050.00	1.52	1349.41	0.56	2.04	0.07	12.17	1554.30	10.35	35.00	35.00	35.00
*	11.510	1015.00	1.58	1348.70	0.63	1.61	0.16	47.09	368.51	7.96	35.00	35.00	35.00
*	11.510	1015.00	1.58	1350.40	1.10	2.06	0.27	74.46	817.39	9.20	35.00	35.00	35.00
*	11.510	1015.00	1.58	1351.23	1.28	2.18	0.30	75.82	1030.04	9.85	35.00	35.00	35.00
*	11.510	1015.00	1.58	1353.72	2.11	2.57	0.46	85.43	1646.17	11.52	35.00	35.00	35.00

*	510	1015.00	1.58	1353.72	2.11	2.57	0.46	85.43	1646.17	11.52	35.00	35.00	35.00

	SECNO	XLCH	K*CHSL	EQ	HV	HL	OLOSS	10K*S	VOL	DEPTH	K*XNL	K*XNCH	K*XNR
*	11.520	20.00	325.00	1349.23	0.63	0.16	0.00	166.61	368.77	2.00	35.00	35.00	35.00
*	11.520	20.00	325.00	1351.36	1.27	0.19	0.05	129.65	817.96	3.49	35.00	35.00	35.00
*	11.520	20.00	325.00	1352.39	1.56	0.19	0.08	120.65	1030.78	4.23	35.00	35.00	35.00
*	11.520	20.00	325.00	1355.06	1.58	0.14	0.05	62.09	1647.60	6.88	35.00	35.00	35.00

A MAXIMUM OF 2 TABLES MAY BE GENERATED

FLOOD INSURANCE ZONE DATA FOR INDIAN BEND WASH

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND 10	2	0.2
8.440	0.	-1.29	-0.38	1.04
8.520	400.	-1.75	-0.48	1.45
8.630	975.	-2.18	-0.64	1.72
8.820	1975.	-2.12	-0.73	1.86
9.000	3005.	-2.50	-0.72	1.99
9.190	4005.	-2.64	-0.83	2.15
9.390	5025.	-2.18	-0.67	1.84
9.580	6025.	-3.32	-0.95	2.40
9.690	6585.	-3.44	-1.00	2.60
9.722	6735.	-3.23	-0.97	2.55
9.723	6745.	-2.24	-0.89	2.62
9.724	6785.	-2.28	-0.55	2.47
9.725	6795.	-2.41	-0.65	2.39
9.770	6995.	-2.74	-0.78	2.57
9.950	7995.	-2.60	-0.63	2.35
10.140	8995.	-3.46	-1.04	2.49
10.330	9995.	-2.34	-0.76	2.65
10.400	10345.	-2.94	-0.83	2.15
10.452	10575.	-2.98	-0.85	2.20
10.453	10585.	-3.04	-0.86	2.16
10.454	10625.	-2.24	-0.77	2.12
10.455	10635.	-2.40	-0.81	2.30
10.530	11035.	-2.59	-0.64	1.53
10.720	12045.	-2.94	-0.81	2.34
10.930	13065.	-3.03	-0.89	2.41
11.090	13905.	-2.03	-0.49	1.79
11.120	14045.	-2.53	-0.73	1.86
11.310	15095.	-3.38	-1.03	2.69
11.510	16110.	-1.88	-0.65	1.67
11.520	16130.	-2.23	-0.74	2.65
WEIGHTED AVG FOR REACH		-2.64	-0.77	2.14

FHF FOR THE REACH = 025 WITH 97.5 PERCENT OF THE REACH WITHIN 1.0 FEET
ZONE FOR THE REACH = A 5

X-SEC

Z- AB

"EXISTING"

FINAL

THIS RUN EXECUTED: 01/01/1980 01:26:04.36

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1      INDIAN BEND WASH    EA # 1017.6   11 MAR. 93
T2      PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)
T3            EXISTING IBW          MODEL 1017E6 , EXISTING "n" , NO ENCROACH

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

       0.       2.        0.        0.  0.000000      0.00       0.0        0.  1293.200     0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1.000     0.000    -1.000     0.000     0.000     0.000    -1.000     0.000     0.000    15.000

NC      0.020     0.020     0.020     0.200     0.400     0.000     0.000     0.000     0.000     0.000
QT      5.000  3400.000 11000.000 16000.000 16000.000 34000.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1470.000  2080.000
X1   1800.000     5.000  1470.000  2080.000     0.000     0.000     0.000     0.000     0.000     0.000
GR   1302.000  1470.000  1288.000  1570.000  1288.000  2030.000  1296.000  2070.000  1300.000  2080.000

NC      0.030     0.045     0.025     0.000     0.000     0.000     0.000     0.000     0.000     0.000
QT      5.000  1400.000  9000.000 14000.000 14000.000 32000.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1180.000  2250.000
X1   2300.000     9.000  1450.000  2590.000   600.000   300.000   450.000     0.000     0.000     0.000
GR   1297.000  1180.000  1296.300  1450.000  1296.500  1545.000  1296.800  1585.000  1296.100  1745.000
GR   1295.700  1990.000  1295.700  2190.000  1294.300  2410.000  1295.000  2590.000     0.000     0.000

NC      0.030     0.040     0.060     0.000     0.000     0.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1130.000  2250.000
X1   2375.000    10.000  1550.000  2640.000    75.000    75.000    75.000     0.000     0.000     0.000
GR   1296.300  1130.000  1296.300  1435.000  1297.000  1455.000  1296.500  1550.000  1296.800  1660.000
GR   1296.000  1875.000  1295.700  2000.000  1295.700  2240.000  1294.300  2470.000  1295.000  2640.000

QT      5.000  3400.000 11000.000 16000.000 16000.000 34000.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1179.000  2160.000
X1   2550.000    11.000  1600.000  1885.000    75.000   235.000   165.000     0.000     0.000     0.000
GR   1298.000  1179.000  1298.000  1180.000  1298.000  1181.000  1298.000  1205.000  1298.000  1460.000
GR   1297.500  1490.000  1296.000  1600.000  1296.000  1815.000  1297.700  1885.000  1295.600  1965.000
GR   1295.500  2650.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000     0.000

ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1140.000  2100.000
X1   2800.000    11.000  1525.000  1940.000   160.000   410.000   240.000     0.000     0.000     0.000
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MICHAEL BAKER, JR., INC.
RECEIVED
MAR 16 1993
ALEXANDRIA, VIRGINIA

GR	1298.400	1140.000	1298.000	1210.000	1298.000	1290.000	1298.900	1350.000	1298.000	1475.000
GR	1296.000	1525.000	1296.000	1845.000	1296.800	1940.000	1296.800	2070.000	1297.000	2415.000
GR	1298.000	2665.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1300.000	2060.000
X1	3000.000	11.000	1325.000	1850.000	230.000	340.000	230.000	0.000	0.000	0.000
GR	1300.000	1170.000	1297.000	1215.000	1297.000	1325.000	1296.000	1410.000	1296.000	1550.000
GR	1297.500	1660.000	1296.000	1805.000	1297.000	1850.000	1297.000	2300.000	1298.000	2375.000
GR	1299.000	2660.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1200.000	2050.000
X1	3300.000	14.000	1520.000	1865.000	270.000	350.000	310.000	0.000	0.000	0.000
GR	1298.000	1020.000	1297.000	1040.000	1297.600	1210.000	1297.000	1305.000	1297.000	1330.000
GR	1298.000	1520.000	1298.600	1730.000	1298.000	1760.000	1296.000	1825.000	1296.000	1860.000
GR	1298.000	1865.000	1298.700	2275.000	1299.000	2480.000	1300.000	2610.000	0.000	0.000
NC	0.040	0.040	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1300.000	2040.000
X1	3830.000	20.000	1110.000	2470.000	540.000	500.000	530.000	0.000	0.000	0.000
GR	1301.000	897.000	1301.000	900.000	1302.000	960.000	1300.000	1000.000	1306.000	1090.000
GR	1307.000	1110.000	1302.000	1150.000	1300.000	1180.000	1299.000	1280.000	1298.800	1410.000
GR	1298.000	1595.000	1298.000	1635.000	1299.000	1760.000	1300.000	1870.000	1301.000	1935.000
GR	1305.000	1970.000	1305.000	2160.000	1300.000	2200.000	1300.000	2395.000	1300.800	2470.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1300.000	2050.000
X1	4150.000	15.000	1140.000	2340.000	320.000	320.000	320.000	0.000	0.000	0.000
GR	1308.000	890.000	1304.000	1000.000	1302.500	1140.000	1300.000	1240.000	1299.000	1370.000
GR	1298.500	1530.000	1299.000	1680.000	1300.000	1770.000	1304.000	1920.000	1305.000	1940.000
GR	1305.000	2000.000	1305.000	2040.000	1304.000	2050.000	1302.000	2230.000	1304.000	2340.000
ET	9.100	9.100	9.100	0.000	9.100	0.000	0.000	0.000	9420.000	10580.000
ET	0.000	0.000	0.000	9.100	0.000	0.000	0.000	0.000	9610.000	10410.000
X1	4415.000	31.000	9962.200	10037.800	280.000	250.000	265.000	0.000	0.000	0.000
GR	1303.900	9101.400	1305.400	9186.000	1306.100	9357.900	1304.000	9497.400	1301.900	9557.400
GR	1301.600	9653.700	1302.000	9840.400	1301.800	9962.200	1297.400	10000.000	1300.000	10037.800
GR	1300.300	10194.400	1300.800	10297.900	1302.600	10428.700	1306.800	10527.400	1308.500	10589.200
GR	1304.000	10621.300	1303.700	10726.000	1300.700	10738.300	1300.800	10790.800	1304.400	10803.700
GR	1304.400	10833.400	1300.300	10853.600	1300.400	10951.700	1304.400	11000.300	1304.400	11087.000
GR	1305.400	11128.700	1306.000	11282.300	1308.100	11455.100	1309.700	11620.700	1311.100	11789.600
GR	1312.900	11931.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	9.100	9.100	9.100	0.000	0.000	0.000	0.000	0.000	9600.000	10850.000
ET	0.000	0.000	0.000	9.100	0.000	0.000	0.000	0.000	9840.000	10550.000
X1	5445.000	32.000	9969.700	10044.000	1040.000	980.000	1030.000	0.000	0.000	0.000
GR	1306.900	9227.400	1308.700	9267.700	1307.800	9354.500	1304.500	9364.200	1304.500	9437.200
GR	1308.000	9470.300	1306.900	9548.200	1305.300	9720.900	1303.100	9969.700	1301.400	10000.000
GR	1302.000	10044.000	1302.200	10206.800	1303.500	10368.000	1304.100	10528.600	1307.500	10629.800
GR	1312.000	10754.600	1311.200	10819.000	1307.500	10875.900	1307.700	10963.100	1309.600	11095.400
GR	1310.400	11178.400	1309.300	11264.500	1310.300	11367.600	1312.700	11391.100	1310.800	11409.200
GR	1311.600	11446.900	1313.000	11472.700	1313.500	11566.600	1313.400	11683.600	1312.900	11836.200
GR	1315.000	11854.200	1315.500	11952.900	0.000	0.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 1

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000
  1800.00      5.20  1293.20  1289.18  1293.20  1293.23      0.03      0.00      0.00  1302.00
    3400.        0.    3400.       0.       0.    2556.        0.        0.        0.   1300.00
     0.00      0.00     1.33     0.00    0.000    0.020     0.000     0.000   1288.00  1532.86
 0.000039        0.       0.       0.        0       16        0.      0.00    523.14  2056.00


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1293.20

STA=    1533.    2080.
  PER Q=    100.0
   AREA=   2556.1
    VEL=      1.3

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      0.54 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  2300.00      1.24  1295.54  1295.54      0.00  1295.93      0.38      0.03      0.14  1296.30
    1400.        0.    1400.       0.       0.     283.        0.       15.        5.   1295.00
     0.03      0.00     4.96     0.00    0.000    0.025     0.000     0.000   1294.30  2214.50
 0.010175      600.     450.     300.        0       16         0      0.00    375.50  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1295.54

STA=    2214.    2590.
  PER Q=    100.0
   AREA=    282.5
    VEL=      5.0

*SECNO 2375.000

3265 DIVIDED FLOW

3280 CROSS SECTION   2375.00 EXTENDED      1.41 FEET
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
2375.00	2.11	1296.41	1295.55	0.00	1296.44	0.04	0.45	0.07	1296.50
1400.	22.	1378.	0.	32.	882.	0.	16.	6.	1295.00
0.04	0.69	1.56	0.00	0.030	0.060	0.000	0.000	1294.30	1130.00
0.003936	75.	75.	75.	2	5	0	0.00	1181.84	2640.00

FLOW DISTRIBUTION FOR SECNO= 2375.00 CWSEL= 1296.41

STA=	1130.	1435.	1438.	2640.
PER Q=	1.6	0.0	98.4	
AREA=	32.0	0.2	882.2	
VEL=	0.7	0.4	1.6	

*SECNO 2550.000

3265 DIVIDED FLOW

3280 CROSS SECTION 2550.00 EXTENDED 1.55 FEET

2550.00	1.55	1297.05	1296.44	0.00	1297.16	0.11	0.69	0.03	1296.00
3400.	76.	349.	2976.	40.	248.	1067.	21.	10.	1297.70
0.06	1.88	1.40	2.79	0.030	0.060	0.040	0.000	1295.50	1523.07
0.003392	75.	165.	235.	3	14	0	0.00	1075.33	2650.00

FLOW DISTRIBUTION FOR SECNO= 2550.00 CWSEL= 1297.05

STA=	1523.	1600.	1885.	1965.	2650.
PER Q=	2.2	10.3	2.1	85.5	
AREA=	40.4	248.2	40.0	1026.9	
VEL=	1.9	1.4	1.7	2.8	

*SECNO 2800.000

3265 DIVIDED FLOW

3280 CROSS SECTION 2800.00 EXTENDED 0.13 FEET

2800.00	2.13	1298.13	1297.30	0.00	1298.19	0.06	1.03	0.01	1296.00
3400.	162.	1708.	1530.	70.	846.	755.	33.	20.	1296.80
0.11	2.31	2.02	2.03	0.030	0.060	0.040	0.000	1296.00	1187.12
0.002568	160.	240.	410.	2	15	0	0.00	1319.75	2665.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 2800.00 CWSEL= 1298.13

STA=	1187.	1210.	1290.	1475.	1525.	1940.	2070.	2415.	2665.
PER Q=	0.0	0.2	0.0	4.5	50.2	11.6	27.0	6.4	
AREA=	1.5	10.5	1.8	56.5	846.3	173.0	424.6	157.7	
VEL=	0.4	0.6	0.4	2.7	2.0	2.3	2.2	1.4	

*SECNO 3000.000

3000.00	2.62	1298.62	1297.45	0.00	1298.66	0.04	0.46	0.00	1297.00
3400.	440.	1554.	1406.	197.	1115.	862.	45.	29.	1297.00
0.16	2.23	1.39	1.63	0.030	0.060	0.040	0.000	1296.00	1190.82
0.001161	230.	230.	340.	2	18	0	0.00	1358.54	2549.37

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1298.62

STA=	1191.	1215.	1325.	1850.	2300.	2375.	2549.
PER Q=	0.8	12.1	45.7	37.1	3.3	0.9	
AREA=	19.5	177.3	1115.0	725.3	83.4	53.3	
VEL=	1.5	2.3	1.4	1.7	1.4	0.6	

*SECNO 3300.000

3280 CROSS SECTION 3300.00 EXTENDED 1.02 FEET

3300.00	3.02	1299.02	1298.30	0.00	1299.13	0.11	0.45	0.03	1298.00
3400.	2517.	521.	362.	826.	420.	310.	58.	39.	1298.00
0.19	3.05	1.24	1.17	0.030	0.060	0.040	0.000	1296.00	1020.00
0.001929	270.	310.	350.	2	11	0	0.00	1462.76	2482.76

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1299.02

STA=	1020.	1040.	1210.	1305.	1330.	1520.	1865.	2275.	2480.
PER Q=	2.5	26.9	15.0	5.2	24.5	15.3	10.1	0.5	
AREA=	30.4	292.6	163.5	50.5	289.0	420.3	275.2	35.1	
VEL=	2.8	3.1	3.1	3.5	2.9	1.2	1.3	0.5	

*SECNO 3830.000

3265 DIVIDED FLOW

3830.00	2.45	1300.45	1299.69	0.00	1300.57	0.12	1.44	0.00	1307.00
3400.	3.	3397.	0.	4.	1227.	0.	75.	54.	1300.80
0.24	0.87	2.77	0.00	0.040	0.040	0.000	0.000	1298.00	991.02
0.004039	540.	530.	500.	2	11	0	0.00	982.31	2437.09

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


FLOW DISTRIBUTION FOR SECNO=   3830.00          CWSEL=   1300.45

STA=     991.    1000.    1007.    2470.
  PER Q=      0.1      0.0     99.9
   AREA=      2.0      1.5   1227.2
    VEL=      0.9      0.9      2.8

*SECNO 4150.000
  4150.00     2.85  1301.35  1300.15     0.00  1301.46     0.11     0.88     0.00  1302.50
    3400.       0.    3400.       0.       0.    1282.       0.      84.      60.   1304.00
     0.27     0.00     2.65     0.00    0.000    0.040    0.000    0.000  1298.50  1186.13
 0.001997     320.     320.     320.        2       14        0     0.00   634.37  1820.50


FLOW DISTRIBUTION FOR SECNO=   4150.00          CWSEL=   1301.35

STA=    1186.    2340.
  PER Q=    100.0
   AREA=   1281.5
    VEL=      2.7

*SECNO 4415.000

3470 ENCROACHMENT STATIONS=    9420.0   10580.0  TYPE=     1  TARGET=    1160.000
  4415.00     4.64  1302.04  1301.63     0.00  1302.39     0.35     0.84     0.09  1301.80
    3400.     103.     1281.    2017.      92.     219.     508.      91.      64.   1300.00
     0.29     1.11     5.85     3.97    0.040    0.040    0.040    0.000  1297.40  9553.24
 0.006045     280.     265.     250.        2       14        0     0.00   835.17 10388.41


FLOW DISTRIBUTION FOR SECNO=   4415.00          CWSEL=   1302.04

STA=    9553.    9654.    9840.    9962.   10038.   10194.   10298.   10388.
  PER Q=      1.1      1.5      0.4     37.7     38.6     17.2      3.5
   AREA=     28.8     45.8     17.7    218.9    296.8    154.8     56.4
    VEL=      1.3      1.1      0.8      5.9      4.4      3.8      2.1

*SECNO 5445.000

3470 ENCROACHMENT STATIONS=    9600.0   10850.0  TYPE=     1  TARGET=    1250.000
  5445.00     3.57  1304.97  1303.76     0.00  1305.07     0.10     2.63     0.05  1303.10
    3400.     269.      677.    2454.     198.     226.    1009.     116.      83.   1302.00
     0.40     1.36     2.99     2.43    0.040    0.040    0.040    0.000  1301.40  9758.12
 0.001468    1040.    1030.     980.        4        8        0     0.00   796.41 10554.52
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1304.97

STA=	9758.	9970.	10044.	10207.	10368.	10529.	10555.
PER Q=	7.9	19.9	39.5	23.6	8.7	0.3
AREA=	197.9	226.4	467.4	341.9	188.1	11.3
VEL=	1.4	3.0	2.9	2.3	1.6	0.8

THIS RUN EXECUTED: 01/01/1980 01:26:55.06

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1 INDIAN BEND WASH EA # 1017.6 11 MAR. 93

T2 PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)

T3 EXISTING IBW MODEL 1017E6 , EXISTING "n" , NO ENCROACH

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	0.000000	0.00	0.0	0.	1295.300	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	-1.000	0.000	0.000	15.000

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 2

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000
  1800.00      7.30  1295.30  1290.57  1295.30  1295.44      0.14      0.00      0.00  1302.00
   11000.        0.   11000.        0.        0.    3682.        0.        0.        0.   1300.00
     0.00      0.00      2.99      0.00     0.000     0.020     0.000     0.000   1288.00  1517.86
 0.000128        0.        0.        0.         0        21         0      0.00    548.64  2066.50


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1295.30

STA=    1518.    2080.
  PER Q=    100.0
   AREA=   3681.6
    VEL=      3.0

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      1.90 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  2300.00      2.60  1296.90  1296.90      0.00  1297.48      0.59      0.16      0.18  1296.30
    9000.      135.    8865.        0.      68.    1433.        0.       27.       10.   1295.00
     0.02      1.98      6.19      0.00     0.030     0.025     0.000     0.000   1294.30  1220.17
 0.008005      600.      450.      300.         0        19         0      0.00   1369.83  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1296.90

STA=    1220.    1450.    2590.
  PER Q=      1.5      98.5
   AREA=     68.5    1432.8
    VEL=      2.0       6.2

*SECNO 2375.000
3280 CROSS SECTION   2375.00 EXTENDED      2.84 FEET

  2375.00      3.54  1297.84  1296.85      0.00  1298.00      0.16      0.43      0.09  1296.50
    9000.     2454.    6546.        0.     595.    2394.        0.       31.       13.   1295.00
     0.03      4.12      2.73      0.00     0.030     0.060     0.000     0.000   1294.30  1130.00
 0.004286       75.       75.       75.         2         5         0      0.00   1510.00  2640.00
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 2375.00 CWSEL= 1297.84

STA=	1130.	1435.	1455.	1550.	2640.
PER Q=	22.4	1.0	3.9	72.7	
AREA=	468.4	23.7	103.1	2393.7	
VEL=	4.3	3.6	3.4	2.7	

*SECNO 2550.000

3280 CROSS SECTION 2550.00 EXTENDED 2.92 FEET

2550.00	2.93	1298.43	1297.34	0.00	1298.65	0.22	0.63	0.03	1296.00
11000.	934.	1471.	8595.	321.	630.	2107.	43.	18.	1297.70
0.04	2.91	2.34	4.08	0.030	0.060	0.040	0.000	1295.50	1179.00
0.003088	75.	165.	235.	2	11	0	0.00	1471.00	2650.00

FLOW DISTRIBUTION FOR SECNO= 2550.00 CWSEL= 1298.43

STA=	1179.	1181.	1205.	1460.	1490.	1600.	1885.	1965.	2650.
PER Q=	0.0	0.1	1.5	0.4	6.5	13.4	3.9	74.3	
AREA=	0.8	10.0	106.8	20.1	183.6	629.8	141.5	1965.1	
VEL=	1.4	1.5	1.5	2.1	3.9	2.3	3.0	4.2	

*SECNO 2800.000

3280 CROSS SECTION 2800.00 EXTENDED 1.44 FEET

2800.00	3.45	1299.45	1298.15	0.00	1299.60	0.15	0.93	0.02	1296.00
11000.	1594.	3814.	5592.	508.	1390.	1706.	68.	29.	1296.80
0.07	3.14	2.74	3.28	0.030	0.060	0.040	0.000	1296.00	1140.00
0.002447	160.	240.	410.	1	19	0	0.00	1525.00	2665.00

FLOW DISTRIBUTION FOR SECNO= 2800.00 CWSEL= 1299.45

STA=	1140.	1210.	1290.	1350.	1475.	1525.	1940.	2070.	2415.	2665.
PER Q=	2.2	3.3	1.3	2.7	4.9	34.7	11.0	27.3	12.6	
AREA=	86.9	115.4	59.5	124.0	122.1	1390.5	343.5	877.0	485.5	
VEL=	2.8	3.1	2.4	2.4	4.4	2.7	3.5	3.4	2.8	

*SECNO 3000.000

3280 CROSS SECTION 3000.00 EXTENDED 1.02 FEET

3000.00	4.03	1300.03	1298.23	0.00	1300.14	0.11	0.53	0.01	1297.00
11000.	1499.	4108.	5393.	401.	1857.	1985.	93.	38.	1297.00
0.10	3.74	2.21	2.72	0.030	0.060	0.040	0.000	1296.00	1170.00

0.001481	230.	230.	340.	2	14	0	0.00	1490.00	2660.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1300.03

STA=	1170.	1215.	1325.	1850.	2300.	2375.	2660.
PER Q=	1.6	12.1	37.3	37.0	4.6	7.5	
AREA=	68.6	332.7	1856.7	1361.1	189.3	434.5	
VEL=	2.5	4.0	2.2	3.0	2.7	1.9	

*SECNO 3300.000

3280 CROSS SECTION 3300.00 EXTENDED 2.46 FEET

3300.00	4.46	1300.46	1299.39	0.00	1300.64	0.18	0.47	0.03	1298.00
11000.	6376.	1711.	2913.	1543.	915.	1316.	123.	50.	1298.00
0.13	4.13	1.87	2.21	0.030	0.060	0.040	0.000	1296.00	1020.00
0.001554	270.	310.	350.	2	10	0	0.00	1590.00	2610.00

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1300.46

STA=	1020.	1040.	1210.	1305.	1330.	1520.	1865.	2275.	2480.	2610.
PER Q=	2.0	20.5	11.4	3.5	20.5	15.6	18.9	6.0	1.6	
AREA=	59.1	536.4	299.7	86.4	561.5	915.0	863.1	329.1	124.2	
VEL=	3.7	4.2	4.2	4.5	4.0	1.9	2.4	2.0	1.4	

*SECNO 3830.000

3265 DIVIDED FLOW

3280 CROSS SECTION 3830.00 EXTENDED 0.88 FEET

3830.00	3.68	1301.68	1300.78	0.00	1301.97	0.29	1.29	0.04	1307.00
11000.	128.	10872.	0.	65.	2507.	0.	161.	66.	1300.80
0.16	1.96	4.34	0.00	0.040	0.040	0.000	0.000	1298.00	897.00
0.004380	540.	530.	500.	2	14	0	0.00	1172.43	2470.00

FLOW DISTRIBUTION FOR SECNO= 3830.00 CWSEL= 1301.68

STA=	897.	900.	941.	1000.	1025.	2470.
PER Q=	0.0	0.2	0.6	0.4	98.8	
AREA=	2.0	13.9	28.3	21.2	2507.5	
VEL=	1.7	1.2	2.2	2.2	4.3	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 4150.000

3265 DIVIDED FLOW

4150.00	4.45	1302.95	1301.43	0.00	1303.26	0.31	1.28	0.01	1302.50
11000.	8.	10992.	0.	9.	2459.	0.	179.	74.	1304.00
0.18	0.83	4.47	0.00	0.040	0.040	0.000	0.000	1298.50	1098.04
0.003668	320.	320.	320.	2	15	0	0.00	920.26	2282.23

FLOW DISTRIBUTION FOR SECNO= 4150.00 CWSEL= 1302.95

STA=	1098.	1140.	2340.
PER Q=	0.1	99.9	
AREA=	9.4	2459.2	
VEL=	0.8	4.5	

*SECNO 4415.000

3470 ENCROACHMENT STATIONS= 9420.0 10580.0 TYPE= 1 TARGET= 1160.000

4415.00	6.47	1303.87	1302.94	1302.04	1304.21	0.35	0.94	0.02	1301.80
11000.	3037.	2183.	5780.	883.	356.	1226.	194.	80.	1300.00
0.20	3.44	6.13	4.71	0.040	0.040	0.040	0.000	1297.40	9501.28
0.003460	280.	265.	250.	2	11	0	0.00	957.12	10458.41

FLOW DISTRIBUTION FOR SECNO= 4415.00 CWSEL= 1303.87

STA=	9501.	9557.	9654.	9840.	9962.	10038.	10194.	10298.	10429.	10458.
PER Q=	1.1	6.7	12.4	7.5	19.8	27.7	15.1	9.4	0.3	
AREA=	55.1	203.6	385.4	239.2	356.4	581.6	343.0	283.1	18.8	
VEL=	2.2	3.6	3.5	3.4	6.1	5.2	4.9	3.7	1.6	

*SECNO 5445.000

3470 ENCROACHMENT STATIONS= 9600.0 10850.0 TYPE= 1 TARGET= 1250.000

5445.00	5.20	1306.60	1305.03	1304.97	1306.84	0.24	2.61	0.02	1303.10
11000.	1915.	1625.	7460.	687.	348.	1881.	256.	103.	1302.00
0.27	2.79	4.67	3.97	0.040	0.040	0.040	0.000	1301.40	9600.00
0.002025	1040.	1030.	980.	1	11	0	0.00	1003.08	10603.08

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1306.60

STA=	9600.	9721.	9970.	10044.	10207.	10368.	10529.	10603.
PER Q=	1.1	16.3	14.8	30.4	22.2	13.6	1.6	
AREA=	89.7	597.7	347.6	733.0	604.9	450.0	93.2	
VEL=	1.4	3.0	4.7	4.6	4.0	3.3	1.9	

THIS RUN EXECUTED: 01/01/1980 01:27:31.92

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1      INDIAN BEND WASH    EA # 1017.6   11 MAR. 93
T2      PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)
T3            EXISTING IBW          MODEL 1017E6 , EXISTING "n" , NO ENCROACH

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        4.        0.        0.  0.000000      0.00       0.0        0.  1296.200     0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    3.000     0.000    -1.000     0.000     0.000     0.000    -1.000     0.000     0.000    15.000
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 3

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000
  1800.00      8.20  1296.20  1291.29  1296.20  1296.43     0.23     0.00     0.00  1302.00
   16000.        0.   16000.       0.       0.    4180.       0.       0.       0.   1300.00
     0.00      0.00     3.83     0.00    0.000    0.020    0.000    0.000  1288.00  1511.43
 0.000182        0.       0.       0.        0       17        0     0.00   559.07  2070.50


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1296.20

STA=    1511.    2080.
  PER Q=    100.0
   AREA=   4180.2
    VEL=      3.8

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      2.30 FEET


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  2300.00      2.99  1297.30  1297.30     0.00  1298.06     0.76     0.22     0.21  1296.30
   14000.       552.   13448.       0.     174.    1888.       0.      33.      11.   1295.00
     0.02      3.17     7.12     0.00    0.030    0.025    0.000    0.000  1294.30  1180.00
 0.007350      600.     450.     300.        0       22        0     0.00  1410.00  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1297.30

STA=    1180.    1450.    2590.
  PER Q=      3.9     96.1
   AREA=    174.2   1887.9
    VEL=      3.2      7.1

*SECNO 2375.000
3280 CROSS SECTION   2375.00 EXTENDED      3.35 FEET
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

2375.00	4.05	1298.35	1297.25	0.00	1298.60	0.25	0.44	0.10	1296.50
14000.	4276.	9724.	0.	810.	2952.	0.	38.	13.	1295.00
0.02	5.28	3.29	0.00	0.030	0.060	0.000	0.000	1294.30	1130.00
0.004703	75.	75.	75.	2	6	0	0.00	1510.00	2640.00

FLOW DISTRIBUTION FOR SECNO= 2375.00 CWSEL= 1298.35

STA=	1130.	1435.	1455.	1550.	2640.
PER Q=	24.3	1.2	5.0	69.5	
AREA=	624.7	34.0	151.8	2952.2	
VEL=	5.5	4.8	4.6	3.3	

*SECNO 2550.000

3280 CROSS SECTION 2550.00 EXTENDED 3.47 FEET

2550.00	3.47	1298.97	1297.80	0.00	1299.26	0.29	0.65	0.02	1296.00
16000.	2027.	2167.	11806.	554.	787.	2529.	53.	19.	1297.70
0.03	3.66	2.75	4.67	0.030	0.060	0.040	0.000	1295.50	1179.00
0.003189	75.	165.	235.	3	11	0	0.00	1471.00	2650.00

FLOW DISTRIBUTION FOR SECNO= 2550.00 CWSEL= 1298.97

STA=	1179.	1180.	1181.	1205.	1460.	1490.	1600.	1885.	1965.	2650.
PER Q=	0.0	0.0	0.4	4.2	0.7	7.3	13.5	4.3	69.5	
AREA=	1.0	1.0	23.3	247.6	36.6	244.3	787.2	185.7	2343.3	
VEL=	1.7	2.7	2.7	2.7	3.2	4.8	2.8	3.7	4.7	

*SECNO 2800.000

3280 CROSS SECTION 2800.00 EXTENDED 2.02 FEET

2800.00	4.01	1300.01	1298.53	0.00	1300.22	0.20	0.94	0.02	1296.00
16000.	2857.	5024.	8119.	731.	1631.	2127.	84.	29.	1296.80
0.06	3.91	3.08	3.82	0.030	0.060	0.040	0.000	1296.00	1140.00
0.002493	160.	240.	410.	1	19	0	0.00	1525.00	2665.00

FLOW DISTRIBUTION FOR SECNO= 2800.00 CWSEL= 1300.01

STA=	1140.	1210.	1290.	1350.	1475.	1525.	1940.	2070.	2415.	2665.
PER Q=	2.9	4.0	2.0	4.1	4.9	31.4	10.6	26.7	13.5	

AREA=	127.6	161.8	94.3	196.5	151.1	1631.2	418.9	1077.2	630.6
VEL=	3.6	4.0	3.3	3.3	5.2	3.1	4.0	4.0	3.4

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 3000.000

3280 CROSS SECTION 3000.00 EXTENDED 1.63 FEET

3000.00	4.63	1300.63	1298.67	0.00	1300.80	0.16	0.57	0.01	1297.00
16000.	2221.	5659.	8120.	496.	2177.	2479.	115.	39.	1297.00
0.09	4.48	2.60	3.28	0.030	0.060	0.040	0.000	1296.00	1170.00
0.001654	230.	230.	340.	2	14	0	0.00	1490.00	2660.00

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1300.63

STA=	1170.	1215.	1325.	1850.	2300.	2375.	2660.
PER Q=	2.0	11.9	35.4	36.5	4.8	9.5	
AREA=	96.0	399.8	2176.7	1635.4	235.1	608.3	
VEL=	3.3	4.8	2.6	3.6	3.2	2.5	

*SECNO 3300.000

3280 CROSS SECTION 3300.00 EXTENDED 3.10 FEET

3300.00	5.10	1301.10	1299.72	0.00	1301.33	0.23	0.50	0.03	1298.00
16000.	8734.	2457.	4809.	1864.	1136.	1794.	151.	50.	1298.00
0.11	4.69	2.16	2.68	0.030	0.060	0.040	0.000	1296.00	1020.00
0.001558	270.	310.	350.	2	15	0	0.00	1590.00	2610.00

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1301.10

STA=	1020.	1040.	1210.	1305.	1330.	1520.	1865.	2275.	2480.	2610.
PER Q=	1.9	19.2	10.7	3.2	19.6	15.4	20.2	7.2	2.6	
AREA=	71.9	645.4	360.7	102.4	683.3	1136.2	1126.0	460.5	207.5	
VEL=	4.2	4.8	4.8	5.0	4.6	2.2	2.9	2.5	2.0	

*SECNO 3830.000

3265 DIVIDED FLOW

3280 CROSS SECTION 3830.00 EXTENDED 1.49 FEET

3830.00	4.29	1302.29	1301.22	0.00	1302.66	0.37	1.28	0.06	1307.00
16000.	360.	15640.	0.	142.	3164.	0.	200.	67.	1300.80
0.14	2.53	4.94	0.00	0.040	0.040	0.000	0.000	1298.00	897.00
0.004268	540.	530.	500.	2	14	0	0.00	1224.30	2470.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 3830.00 CWSEL= 1302.29

STA=	897.	900.	960.	1000.	1034.	2470.
PER Q=	0.1	0.6	0.9	0.7	97.8	
AREA=	3.9	47.4	51.6	39.3	3164.1	
VEL=	2.3	2.1	2.9	2.7	4.9	

*SECNO 4150.000

3265 DIVIDED FLOW

4150.00	5.13	1303.63	1302.08	0.00	1304.04	0.41	1.36	0.01	1302.50
16000.	98.	15902.	0.	60.	3099.	0.	224.	76.	1304.00
0.16	1.65	5.13	0.00	0.040	0.040	0.000	0.000	1298.50	1034.52
0.004236	320.	320.	320.	2	15	0	0.00	1107.98	2319.66

FLOW DISTRIBUTION FOR SECNO= 4150.00 CWSEL= 1303.63

STA=	1035.	1140.	2340.
PER Q=	0.6	99.4	
AREA=	59.6	3099.2	
VEL=	1.7	5.1	

*SECNO 4415.000

3470 ENCROACHMENT STATIONS= 9610.0 10410.0 TYPE= 1 TARGET= 800.000

4415.00	7.23	1304.63	1303.47	1302.04	1305.15	0.52	1.06	0.04	1301.80
16000.	4520.	2959.	8521.	989.	414.	1466.	242.	82.	1300.00
0.17	4.57	7.15	5.81	0.040	0.040	0.040	0.000	1297.40	9610.00
0.003857	280.	265.	250.	2	11	0	0.00	800.00	10410.00

FLOW DISTRIBUTION FOR SECNO= 4415.00 CWSEL= 1304.63

STA=	9610.	9654.	9840.	9962.	10038.	10194.	10298.	10410.
PER Q=	3.7	15.2	9.3	18.5	27.5	15.5	10.3	
AREA=	129.3	527.8	332.2	414.1	701.1	422.0	342.5	
VEL=	4.6	4.6	4.5	7.1	6.3	5.9	4.8	

*SECNO 5445.000

3470 ENCROACHMENT STATIONS= 9840.0 10550.0 TYPE= 1 TARGET= 710.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
5445.00	6.23	1307.63	1305.56	1304.97	1308.00	0.37	2.83	0.03	1303.10
16000.	2181.	2338.	11480.	513.	424.	2355.	313.	99.	1302.00
0.23	4.25	5.51	4.88	0.040	0.040	0.040	0.000	1301.40	9840.00
0.002161	1040.	1030.	980.	3	11	0	0.00	710.00	10550.00

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1307.63

STA=	9840.	9970.	10044.	10207.	10368.	10529.	10550.
PER Q=	13.6	14.6	30.4	23.6	16.3	1.5	
AREA=	513.5	424.1	900.7	770.9	615.5	67.9	
VEL=	4.2	5.5	5.4	4.9	4.2	3.4	

THIS RUN EXECUTED: 01/01/1980 01:28:10.20

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1      INDIAN BEND WASH    EA # 1017.6   11 MAR. 93
T2      PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)
T3            EXISTING IBW          MODEL 1017E6 , EXISTING "n" , W/ENCROACH

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        5.        0.        0.  0.000000      0.00       0.0        0.  1296.200     0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     4.000     0.000    -1.000     0.000     0.000     0.000    -1.000     0.000     0.000    15.000
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   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


*PROF 4

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000

3470 ENCROACHMENT STATIONS=    1470.0    2080.0  TYPE=     1  TARGET=     610.000
  1800.00     8.20  1296.20  1291.29  1293.20  1296.43     0.23     0.00     0.00  1302.00
   16000.       0.   16000.       0.       0.    4180.       0..      0.       0. 100000.00
     0.00     0.00     3.83     0.00    0.000    0.020    0.000    0.000  1288.00  1511.43
 0.000182       0.       0.       0.        0       17        0     0.00   559.07  2070.50


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1296.20

STA=    1511.    2080.
  PER Q=    100.0
   AREA=   4180.2
    VEL=      3.8

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      2.97 FEET


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1180.0    2250.0  TYPE=     1  TARGET=    1070.000
  2300.00     2.65  1297.97  1297.97  1295.54  1298.85     0.89     0.23     0.26  1296.30
   14000.    1799.   12201.       0.     355.    1550.       0.      32.       9. 100000.00
     0.02     5.06     7.87     0.00    0.030    0.025    0.000    0.000  1295.32  1180.00
 0.007288     600.     450.     300.        0       17        0     0.00  1070.00  2250.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1297.97

STA=    1180.    1450.    2590.
  PER Q=     12.8     87.2
   AREA=    355.2   1550.3
    VEL=      5.1      7.9
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 2375.000
3280 CROSS SECTION   2375.00 EXTENDED      3.97 FEET


3470 ENCROACHMENT STATIONS=    1130.0    2250.0  TYPE=     1  TARGET=    1120.000
  2375.00      3.34  1298.97  1298.01  1296.41  1299.39      0.42      0.44      0.09  1296.50
   14000.     6940.    7059.       0.    1073.    2019.        0.       36.       11. 100000.00
     0.02      6.47     3.50     0.00    0.030    0.060     0.000     0.000  1295.64  1130.00
 0.004888       75.      75.      75.        3       11         0      0.00  1120.00  2250.00


FLOW DISTRIBUTION FOR SECNO=   2375.00          CWSEL=   1298.97

STA=    1130.    1435.    1455.    1550.    2640.
  PER Q=      38.7      2.0      8.9     50.4
   AREA=     815.7     46.5    211.3   2018.6
    VEL=       6.6      6.1      5.9      3.5

*SECNO 2550.000
3280 CROSS SECTION   2550.00 EXTENDED      4.15 FEET


3470 ENCROACHMENT STATIONS=    1179.0    2160.0  TYPE=     1  TARGET=     981.000
  2550.00      4.08  1299.65  1298.85  1297.05  1300.19      0.54      0.75      0.05  1296.00
   16000.     5059.    4096.    6845.     838.     979.    1031.       46.       14.   1297.70
     0.03      6.04     4.18     6.64    0.030    0.060     0.040     0.000  1295.57  1179.00
 0.005500       75.      165.     235.        2        5         0      0.00   981.00  2160.00


FLOW DISTRIBUTION FOR SECNO=   2550.00          CWSEL=   1299.65

STA=    1179.    1180.    1181.    1205.    1460.    1490.    1600.    1885.    1965.    2160.
  PER Q=       0.0      0.1      1.3     13.4      2.0     14.9     25.6      8.6     34.2
   AREA=       1.6      1.6     39.5    419.5     56.9    318.5    979.4    239.6    791.6
    VEL=       2.7      5.1      5.1      5.1      5.6      7.5      4.2      5.7      6.9

*SECNO 2800.000
3280 CROSS SECTION   2800.00 EXTENDED      2.92 FEET


3470 ENCROACHMENT STATIONS=    1140.0    2100.0  TYPE=     1  TARGET=     960.000
  2800.00      4.92  1300.92  1299.07  1298.13  1301.22      0.31      0.99      0.05  1296.00
   16000.     5508.    7302.    3189.    1075.    2002.     658.       66.       20.   1296.80
     0.04      5.12     3.65     4.85    0.030    0.060     0.040     0.000  1296.00  1140.00
 0.002662      160.     240.     410.        2       19         0      0.00   960.00  2100.00
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 2800.00 CWSEL= 1300.92

STA=	1140.	1210.	1290.	1350.	1475.	1525.	1940.	2070.	2100.
PER Q=	5.8	7.6	4.3	9.0	7.8	45.6	16.5	3.5	
AREA=	190.1	233.2	147.9	308.1	195.8	2001.8	535.0	123.2	
VEL=	4.9	5.2	4.7	4.7	6.3	3.6	4.9	4.5	

*SECNO 3000.000

3280 CROSS SECTION 3000.00 EXTENDED 2.61 FEET

3470 ENCROACHMENT STATIONS= 1300.0 2060.0 TYPE= 1 TARGET= 760.000

3000.00	5.61	1301.61	1299.05	1298.62	1301.91	0.31	0.69	0.00	1297.00
16000.	729.	10207.	5064.	115.	2687.	967.	88.	25.	1297.00
0.06	6.33	3.80	5.24	0.030	0.060	0.040	0.000	1296.00	1300.00
0.002668	230.	230.	340.	2	14	0	0.00	760.00	2060.00

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1301.61

STA=	1300.	1325.	1850.	2060.
PER Q=	4.6	63.8	31.7	
AREA=	115.1	2686.7	967.2	
VEL=	6.3	3.8	5.2	

*SECNO 3300.000

3280 CROSS SECTION 3300.00 EXTENDED 2.22 FEET

3470 ENCROACHMENT STATIONS= 1200.0 2050.0 TYPE= 1 TARGET= 850.000

3300.00	6.22	1302.22	1300.22	1299.02	1302.58	0.36	0.65	0.02	1298.00
16000.	8923.	4187.	2890.	1541.	1524.	751.	115.	30.	1298.00
0.08	5.79	2.75	3.85	0.030	0.060	0.040	0.000	1296.00	1200.00
0.001701	270.	310.	350.	2	19	0	0.00	850.00	2050.00

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1302.22

STA=	1200.	1210.	1305.	1330.	1520.	1865.	2050.
PER Q=	1.3	17.3	5.0	32.2	26.2	18.1	
AREA=	46.4	467.3	130.5	896.7	1523.6	751.3	
VEL=	4.4	5.9	6.1	5.7	2.7	3.8	

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 3830.000
3280 CROSS SECTION   3830.00 EXTENDED      2.56 FEET


3470 ENCROACHMENT STATIONS=    1300.0    2040.0  TYPE=     1  TARGET=     740.000
  3830.00      5.35  1303.35  1301.59  1300.45  1303.84      0.48      1.21      0.05100000.00
   16000.        0.   16000.        0.        0.    2865.        0.      156.       39. 100000.00
     0.11      0.00      5.59      0.00     0.000     0.040     0.000     0.000  1298.00  1300.00
 0.003194      540.      530.      500.         1        11         0      0.00   655.62  1955.62


FLOW DISTRIBUTION FOR SECNO=   3830.00          CWSEL=   1303.35

STA=    1300.    2470.
  PER Q=    100.0
   AREA=   2864.6
    VEL=      5.6

*SECNO 4150.000

3265 DIVIDED FLOW

3280 CROSS SECTION   4150.00 EXTENDED      0.34 FEET


3470 ENCROACHMENT STATIONS=    1300.0    2050.0  TYPE=     1  TARGET=     750.000
  4150.00      5.85  1304.35  1302.24  1301.35  1304.83      0.48      0.99      0.00100000.00
   16000.        0.   16000.        0.        0.    2878.        0.      177.       44. 100000.00
     0.12      0.00      5.56      0.00     0.000     0.040     0.000     0.000  1298.50  1300.00
 0.002989      320.      320.      320.         2        19         0      0.00   630.28  2050.00


FLOW DISTRIBUTION FOR SECNO=   4150.00          CWSEL=   1304.35

STA=    1300.    2340.
  PER Q=    100.0
   AREA=   2877.9
    VEL=      5.6

*SECNO 4415.000

3470 ENCROACHMENT STATIONS=    9420.0   10580.0  TYPE=     1  TARGET=    1160.000
  4415.00      7.81  1305.21  1303.42  1302.04  1305.50      0.29      0.63      0.04  1301.80
   16000.     5542.     2499.     7959.     1556.      458.     1813.      197.      49.   1300.00
     0.14      3.56      5.46      4.39     0.040     0.040     0.040     0.000  1297.40  9420.00
```

0.001966	280.	265.	250.	2	8	0	0.00	1069.97	10489.97

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 4415.00 CWSEL= 1305.21

STA=	9420.	9497.	9557.	9654.	9840.	9962.	10038.	10194.	10298.	10429.	10490.
PER Q=	0.4	2.4	7.8	14.8	9.2	15.6	24.0	13.8	10.9	1.0	
AREA=	48.3	135.4	332.9	636.1	402.8	457.9	791.9	482.0	458.7	79.9	
VEL=	1.2	2.8	3.8	3.7	3.7	5.5	4.9	4.6	3.8	2.0	

*SECNO 5445.000

3265 DIVIDED FLOW

3280 CROSS SECTION 5445.00 EXTENDED 0.35 FEET

5445.00	5.86	1307.26	1305.60	1304.97	1307.55	0.29	2.05	0.00	1303.10
16000.	3886.	2064.	10050.	1213.	396.	2252.	286.	76.	1302.00
0.20	3.20	5.21	4.46	0.040	0.040	0.040	0.000	1301.40	9227.40
0.002116	1040.	1030.	980.	2	11	0	0.00	1214.48	10622.49

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1307.26

STA=	9227.	9364.	9437.	9463.	9548.	9721.	9970.	10044.	10207.	10368.	10529.	10622.
PER Q=	0.1	4.2	0.5	0.0	2.3	17.1	12.9	26.7	20.4	13.5	2.1	
AREA=	12.6	201.1	35.9	4.4	199.4	760.0	396.0	839.2	710.0	554.8	148.1	
VEL=	1.9	3.4	2.1	0.5	1.9	3.6	5.2	5.1	4.6	3.9	2.3	

THIS RUN EXECUTED: 01/01/1980 01:28:48.54

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1      INDIAN BEND WASH    EA # 1017.6   11 MAR. 93
T2      PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)
T3            EXISTING IBW          MODEL 1017E6 , EXISTING "n" , NO ENCROACH
```

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	6.	0.	0.	0.000000	0.00	0.0	0.	1298.600	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	0.000	-1.000	0.000	0.000	0.000	-1.000	0.000	0.000	15.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 5

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV= 0.200 CEHV= 0.400

*SECNO 1800.000

1800.00	10.60	1298.60	1293.40	1298.60	1299.18	0.58	0.00	0.00	1302.00
34000.	0.	34000.	0.	0.	5550.	0.	0.	0.	1300.00
0.00	0.00	6.13	0.00	0.000	0.020	0.000	0.000	1288.00	1494.29
0.000338	0.	0.	0.	0	7	0	0.00	582.21	2076.50

FLOW DISTRIBUTION FOR SECNO= 1800.00 CWSEL= 1298.60

STA= 1494. 2080.
PER Q= 100.0
AREA= 5549.7
VEL= 6.1

*SECNO 2300.000

3280 CROSS SECTION 2300.00 EXTENDED 3.71 FEET

2300.00	4.41	1298.71	1298.38	0.00	1299.72	1.01	0.37	0.17	1296.30
32000.	2941.	29059.	0.	556.	3499.	0.	51.	11.	1295.00
0.02	5.29	8.31	0.00	0.030	0.025	0.000	0.000	1294.30	1180.00
0.004396	600.	450.	300.	2	22	0	0.00	1410.00	2590.00

FLOW DISTRIBUTION FOR SECNO= 2300.00 CWSEL= 1298.71

STA= 1180. 1450. 2590.
PER Q= 9.2 90.8
AREA= 555.7 3498.8
VEL= 5.3 8.3

*SECNO 2375.000

3280 CROSS SECTION 2375.00 EXTENDED 4.56 FEET

2375.00	5.27	1299.57	1298.29	0.00	1300.19	0.63	0.39	0.08	1296.50
32000.	11119.	20881.	0.	1320.	4273.	0.	59.	13.	1295.00
0.02	8.43	4.89	0.00	0.030	0.060	0.000	0.000	1294.30	1130.00
0.006331	75.	75.	75.	3	11	0	0.00	1510.00	2640.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 2375.00 CWSEL= 1299.57

STA=	1130.	1435.	1455.	1550.	2640.
PER Q=	26.7	1.5	6.5	65.3	
AREA=	994.3	58.2	267.0	4273.4	
VEL=	8.6	8.0	7.8	4.9	

*SECNO 2550.000

3280 CROSS SECTION 2550.00 EXTENDED 4.91 FEET

2550.00	4.92	1300.42	1298.99	0.00	1300.96	0.54	0.75	0.02	1296.00
34000.	6843.	4585.	22572.	1162.	1199.	3634.	81.	19.	1297.70
0.03	5.89	3.82	6.21	0.030	0.060	0.040	0.000	1295.50	1179.00
0.003513	75.	165.	235.	0	14	0	0.00	1471.00	2650.00

FLOW DISTRIBUTION FOR SECNO= 2550.00 CWSEL= 1300.42

STA=	1179.	1180.	1181.	1205.	1460.	1490.	1600.	1885.	1965.	2650.
PER Q=	0.0	0.0	0.9	9.6	1.3	8.3	13.5	4.7	61.7	
AREA=	2.4	2.4	58.0	615.8	79.9	403.1	1198.7	301.2	3332.4	
VEL=	2.3	5.3	5.3	5.3	5.6	7.0	3.8	5.3	6.3	

*SECNO 2800.000

3280 CROSS SECTION 2800.00 EXTENDED 3.56 FEET

2800.00	5.56	1301.56	1299.55	0.00	1301.97	0.41	0.99	0.03	1296.00
34000.	7836.	9105.	17059.	1325.	2271.	3245.	128.	29.	1296.80
0.04	5.91	4.01	5.26	0.030	0.060	0.040	0.000	1296.00	1140.00
0.002716	160.	240.	410.	2	19	0	0.00	1525.00	2665.00

FLOW DISTRIBUTION FOR SECNO= 2800.00 CWSEL= 1301.56

STA=	1140.	1210.	1290.	1350.	1475.	1525.	1940.	2070.	2415.	2665.
PER Q=	3.9	5.1	3.0	6.3	4.8	26.8	10.0	25.6	14.6	
AREA=	235.5	285.2	186.9	389.3	228.2	2271.2	619.4	1609.2	1016.1	
VEL=	5.6	6.0	5.5	5.5	7.1	4.0	5.5	5.4	4.9	

*SECNO 3000.000

3280 CROSS SECTION 3000.00 EXTENDED 3.31 FEET

3000.00	6.31	1302.31	1299.76	0.00	1302.65	0.34	0.67	0.01	1297.00
34000.	4841.	10973.	18186.	755.	3056.	3836.	175.	39.	1297.00
0.06	6.41	3.59	4.74	0.030	0.060	0.040	0.000	1296.00	1170.00

0.002007	230.	230.	340.	2	19	0	0.00	1490.00	2660.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1302.31

STA=	1170.	1215.	1325.	1850.	2300.	2375.	2660.
PER Q=	2.6	11.6	32.3	35.6	5.0	12.9
AREA=	171.4	584.0	3056.2	2389.3	360.7	1085.7
VEL=	5.2	6.8	3.6	5.1	4.7	4.0

*SECNO 3300.000

3280 CROSS SECTION 3300.00 EXTENDED 4.84 FEET

3300.00	6.84	1302.84	1300.79	0.00	1303.24	0.40	0.57	0.02	1298.00
34000.	16880.	5096.	12024.	2737.	1739.	3096.	231.	50.	1298.00
0.08	6.17	2.93	3.88	0.030	0.060	0.040	0.000	1296.00	1020.00
0.001622	270.	310.	350.	2	19	0	0.00	1590.00	2610.00

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1302.84

STA=	1020.	1040.	1210.	1305.	1330.	1520.	1865.	2275.	2480.	2610.
PER Q=	1.7	17.3	9.7	2.8	18.2	15.0	22.1	9.1	4.2
AREA=	106.9	942.4	526.6	146.1	1015.3	1739.1	1842.4	818.7	434.7
VEL=	5.3	6.2	6.2	6.5	6.1	2.9	4.1	3.8	3.3

*SECNO 3830.000

3265 DIVIDED FLOW

3280 CROSS SECTION 3830.00 EXTENDED 3.19 FEET

3830.00	5.99	1303.99	1302.49	0.00	1304.61	0.62	1.28	0.09	1307.00
34000.	1710.	32290.	0.	398.	5051.	0.	309.	68.	1300.80
0.10	4.30	6.39	0.00	0.040	0.040	0.000	0.000	1298.00	897.00
0.004036	540.	530.	500.	2	14	0	0.00	1291.97	2470.00

FLOW DISTRIBUTION FOR SECNO= 3830.00 CWSEL= 1303.99

STA=	897.	900.	960.	1000.	1060.	2470.
PER Q=	0.1	1.9	1.7	1.3	95.0
AREA=	9.0	149.6	119.7	119.6	5050.5
VEL=	3.1	4.3	4.9	3.7	6.4

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 4150.000
3280 CROSS SECTION   4150.00 EXTENDED      1.36 FEET

  4150.00      6.86  1305.36  1303.93      0.00  1306.01      0.65      1.38      0.01  1302.50
   34000.     1278.   32722.       0.      320.    4997.       0.      349.       78.   1304.00
     0.12      3.99      6.55     0.00    0.040    0.040    0.000     0.000   1298.50    962.67
 0.004647      320.      320.     320.        3       12        0      0.00   1377.33   2340.00


FLOW DISTRIBUTION FOR SECNO=   4150.00          CWSEL=   1305.36

STA=     963.    1000.    1140.    2340.
  PER Q=      0.1      3.6     96.2
   AREA=     25.3    295.1   4996.6
    VEL=      2.0      4.2      6.5

*SECNO 4415.000

3265 DIVIDED FLOW

3280 CROSS SECTION   4415.00 EXTENDED      2.60 FEET

  4415.00      9.09  1306.49  1304.43      0.00  1306.81      0.32      0.74      0.07  1301.80
   34000.    10293.    3373.   20334.     2593.     555.     4448.      388.       88.   1300.00
     0.13      3.97      6.07     4.57    0.040    0.040    0.040     0.000   1297.40   9101.40
 0.001882      280.      265.     250.        1        5        0      0.00   2138.54  11323.16


FLOW DISTRIBUTION FOR SECNO=   4415.00          CWSEL=   1306.49

STA=    9101.    9557.    9654.    9840.    9962.   10038.   10194.   10298.   10429.   10726.   10791.   10952.   11087.
  PER Q=      5.2      6.1     11.7      7.3      9.9     16.1      9.6      8.5      4.0      5.2     11.7      3.8
   AREA=    699.1    457.1    876.9    559.9    555.4    993.9    615.5    627.4    477.7    354.5    799.3    380.9
    VEL=      2.5      4.6      4.5      4.5      6.1      5.5      5.3      4.6      2.8      5.0      5.0      3.4
STA=   11087.   11323.
  PER Q=      0.9
   AREA=    199.1
    VEL=      1.6

*SECNO 5445.000

3265 DIVIDED FLOW
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3280 CROSS SECTION 5445.00 EXTENDED 1.80 FEET

5445.00	7.30	1308.70	1307.01	0.00	1309.25	0.54	2.35	0.09	1303.10
34000.	10295.	3663.	20042.	2157.	504.	3264.	544.	132.	1302.00
0.18	4.77	7.27	6.14	0.040	0.040	0.040	0.000	1301.40	9227.40
0.002987	1040.	1030.	980.	3	14	0	0.00	1611.51	11033.07

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1308.70

STA=	9227.	9437.	9721.	9970.	10044.	10207.	10368.	10529.	10630.	11033.
PER Q=	5.4	6.6	18.3	10.8	22.6	18.3	13.6	3.6	0.9	
AREA=	407.7	628.9	1120.8	503.8	1075.3	943.8	787.7	294.0	162.8	
VEL=	4.5	3.6	5.5	7.3	7.1	6.6	5.9	4.1	1.8	

THIS RUN EXECUTED: 01/01/1980 01:29:29.95

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
**************************************************
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

EXISTING IBW

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	
	1800.000	0.00	0.00	0.00	1288.00	3400.00	1293.20	1289.18	1293.23	0.39	1.33	2556.15	54
	1800.000	0.00	0.00	0.00	1288.00	11000.00	1295.30	1290.57	1295.44	1.28	2.99	3681.57	97
	1800.000	0.00	0.00	0.00	1288.00	16000.00	1296.20	1291.29	1296.43	1.82	3.83	4180.17	118
	1800.000	0.00	0.00	0.00	1288.00	16000.00	1296.20	1291.29	1296.43	1.82	3.83	4180.17	118
	1800.000	0.00	0.00	0.00	1288.00	34000.00	1298.60	1293.40	1299.18	3.38	6.13	5549.72	184
*	2300.000	450.00	0.00	0.00	1294.30	1400.00	1295.54	1295.54	1295.93	101.75	4.96	282.53	1
*	2300.000	450.00	0.00	0.00	1294.30	9000.00	1296.90	1296.90	1297.48	80.05	6.19	1501.28	10
*	2300.000	450.00	0.00	0.00	1294.30	14000.00	1297.30	1297.30	1298.06	73.50	7.12	2062.02	16
*	2300.000	450.00	0.00	0.00	1295.32	14000.00	1297.97	1297.97	1298.85	72.88	7.87	1905.50	16
	2300.000	450.00	0.00	0.00	1294.30	32000.00	1298.71	1298.38	1299.72	43.96	8.31	4054.47	48
	2375.000	75.00	0.00	0.00	1294.30	1400.00	1296.41	1295.55	1296.44	39.36	1.56	914.33	2
	2375.000	75.00	0.00	0.00	1294.30	9000.00	1297.84	1296.85	1298.00	42.86	2.73	2988.89	13
	2375.000	75.00	0.00	0.00	1294.30	14000.00	1298.35	1297.25	1298.60	47.03	3.29	3762.69	20
	2375.000	75.00	0.00	0.00	1295.64	14000.00	1298.97	1298.01	1299.39	48.88	3.50	3092.08	20
	2375.000	75.00	0.00	0.00	1294.30	32000.00	1299.57	1298.29	1300.19	63.31	4.89	5592.86	40
	2550.000	165.00	0.00	0.00	1295.50	3400.00	1297.05	1296.44	1297.16	33.92	1.40	1355.43	5
	2550.000	165.00	0.00	0.00	1295.50	11000.00	1298.43	1297.34	1298.65	30.88	2.34	3057.67	19
	2550.000	165.00	0.00	0.00	1295.50	16000.00	1298.97	1297.80	1299.26	31.89	2.75	3869.85	28
	2550.000	165.00	0.00	0.00	1295.57	16000.00	1299.65	1298.85	1300.19	55.00	4.18	2848.16	21
	2550.000	165.00	0.00	0.00	1295.50	34000.00	1300.42	1298.99	1300.96	35.13	3.82	5993.93	57
	2800.000	240.00	0.00	0.00	1296.00	3400.00	1298.13	1297.30	1298.19	25.68	2.02	1671.77	6
	2800.000	240.00	0.00	0.00	1296.00	11000.00	1299.45	1298.15	1299.60	24.47	2.74	3604.49	22
	2800.000	240.00	0.00	0.00	1296.00	16000.00	1300.01	1298.53	1300.22	24.93	3.08	4489.11	32
	2800.000	240.00	0.00	0.00	1296.00	16000.00	1300.92	1299.07	1301.22	26.62	3.65	3735.03	31
	2800.000	240.00	0.00	0.00	1296.00	34000.00	1301.56	1299.55	1301.97	27.16	4.01	6841.02	65

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	
3000.000	230.00	0.00	0.00	1296.00	3400.00	1298.62	1297.45	1298.66	11.61	1.39	2173.78	9
3000.000	230.00	0.00	0.00	1296.00	11000.00	1300.03	1298.23	1300.14	14.81	2.21	4242.99	28
3000.000	230.00	0.00	0.00	1296.00	16000.00	1300.63	1298.67	1300.80	16.54	2.60	5151.32	39
3000.000	230.00	0.00	0.00	1296.00	16000.00	1301.61	1299.05	1301.91	26.68	3.80	3768.99	30
3000.000	230.00	0.00	0.00	1296.00	34000.00	1302.31	1299.76	1302.65	20.07	3.59	7647.33	75
3300.000	310.00	0.00	0.00	1296.00	3400.00	1299.02	1298.30	1299.13	19.29	1.24	1556.81	7
3300.000	310.00	0.00	0.00	1296.00	11000.00	1300.46	1299.39	1300.64	15.54	1.87	3774.54	27
3300.000	310.00	0.00	0.00	1296.00	16000.00	1301.10	1299.72	1301.33	15.58	2.16	4793.91	40
3300.000	310.00	0.00	0.00	1296.00	16000.00	1302.22	1300.22	1302.58	17.01	2.75	3815.82	38
3300.000	310.00	0.00	0.00	1296.00	34000.00	1302.84	1300.79	1303.24	16.22	2.93	7572.14	84
3830.000	530.00	0.00	0.00	1298.00	3400.00	1300.45	1299.69	1300.57	40.39	2.77	1230.68	5
3830.000	530.00	0.00	0.00	1298.00	11000.00	1301.68	1300.78	1301.97	43.80	4.34	2572.98	16
3830.000	530.00	0.00	0.00	1298.00	16000.00	1302.29	1301.22	1302.66	42.68	4.94	3306.38	24
3830.000	530.00	0.00	0.00	1298.00	16000.00	1303.35	1301.59	1303.84	31.94	5.59	2864.56	28
3830.000	530.00	0.00	0.00	1298.00	34000.00	1303.99	1302.49	1304.61	40.36	6.39	5448.38	53
4150.000	320.00	0.00	0.00	1298.50	3400.00	1301.35	1300.15	1301.46	19.97	2.65	1281.52	7
4150.000	320.00	0.00	0.00	1298.50	11000.00	1302.95	1301.43	1303.26	36.68	4.47	2468.67	18
4150.000	320.00	0.00	0.00	1298.50	16000.00	1303.63	1302.08	1304.04	42.36	5.13	3158.82	24
4150.000	320.00	0.00	0.00	1298.50	16000.00	1304.35	1302.24	1304.83	29.89	5.56	2877.94	29
4150.000	320.00	0.00	0.00	1298.50	34000.00	1305.36	1303.93	1306.01	46.47	6.55	5316.95	49
4415.000	265.00	0.00	0.00	1297.40	3400.00	1302.04	1301.63	1302.39	60.45	5.85	819.21	4
4415.000	265.00	0.00	0.00	1297.40	11000.00	1303.87	1302.94	1304.21	34.60	6.13	2466.18	18
4415.000	265.00	0.00	0.00	1297.40	16000.00	1304.63	1303.47	1305.15	38.57	7.15	2868.97	25
4415.000	265.00	0.00	0.00	1297.40	16000.00	1305.21	1303.42	1305.50	19.66	5.46	3826.10	36
4415.000	265.00	0.00	0.00	1297.40	34000.00	1306.49	1304.43	1306.81	18.82	6.07	7596.57	78
5445.000	1030.00	0.00	0.00	1301.40	3400.00	1304.97	1303.76	1305.07	14.68	2.99	1432.94	8
5445.000	1030.00	0.00	0.00	1301.40	11000.00	1306.60	1305.03	1306.84	20.25	4.67	2916.08	24
5445.000	1030.00	0.00	0.00	1301.40	16000.00	1307.63	1305.56	1308.00	21.61	5.51	3292.53	34
5445.000	1030.00	0.00	0.00	1301.40	16000.00	1307.26	1305.60	1307.55	21.16	5.21	3861.40	34
5445.000	1030.00	0.00	0.00	1301.40	34000.00	1308.70	1307.01	1309.25	29.87	7.27	5924.68	62

EXISTING IBW

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	1800.000	3400.00	1293.20	0.00	0.00	0.00	523.14	0.00
	1800.000	11000.00	1295.30	2.10	0.00	0.00	548.64	0.00
	1800.000	16000.00	1296.20	0.90	0.00	0.00	559.07	0.00
	1800.000	16000.00	1296.20	0.00	0.00	3.00	559.07	0.00
	1800.000	34000.00	1298.60	2.40	0.00	0.00	582.21	0.00
*	2300.000	1400.00	1295.54	0.00	2.34	0.00	375.50	450.00
*	2300.000	9000.00	1296.90	1.35	1.60	0.00	1369.83	450.00
*	2300.000	14000.00	1297.30	0.40	1.10	0.00	1410.00	450.00
*	2300.000	14000.00	1297.97	0.67	1.77	2.42	1070.00	450.00
	2300.000	32000.00	1298.71	0.74	0.11	0.00	1410.00	450.00
	2375.000	1400.00	1296.41	0.00	0.86	0.00	1181.84	75.00
	2375.000	9000.00	1297.84	1.43	0.94	0.00	1510.00	75.00
	2375.000	14000.00	1298.35	0.51	1.05	0.00	1510.00	75.00
	2375.000	14000.00	1298.97	0.63	1.01	2.57	1120.00	75.00
	2375.000	32000.00	1299.57	0.59	0.86	0.00	1510.00	75.00
	2550.000	3400.00	1297.05	0.00	0.64	0.00	1075.33	165.00
	2550.000	11000.00	1298.43	1.38	0.59	0.00	1471.00	165.00
	2550.000	16000.00	1298.97	0.54	0.62	0.00	1471.00	165.00
	2550.000	16000.00	1299.65	0.68	0.67	2.60	981.00	165.00
	2550.000	34000.00	1300.42	0.77	0.85	0.00	1471.00	165.00
	2800.000	3400.00	1298.13	0.00	1.08	0.00	1319.75	240.00
	2800.000	11000.00	1299.45	1.32	1.03	0.00	1525.00	240.00
	2800.000	16000.00	1300.01	0.56	1.04	0.00	1525.00	240.00
	2800.000	16000.00	1300.92	0.90	1.27	2.79	960.00	240.00
	2800.000	34000.00	1301.56	0.65	1.15	0.00	1525.00	240.00
	3000.000	3400.00	1298.62	0.00	0.49	0.00	1358.54	230.00
	3000.000	11000.00	1300.03	1.41	0.57	0.00	1490.00	230.00
	3000.000	16000.00	1300.63	0.61	0.62	0.00	1490.00	230.00
	3000.000	16000.00	1301.61	0.97	0.69	2.99	760.00	230.00
	3000.000	34000.00	1302.31	0.70	0.74	0.00	1490.00	230.00
	3300.000	3400.00	1299.02	0.00	0.40	0.00	1462.76	310.00
	3300.000	11000.00	1300.46	1.43	0.43	0.00	1590.00	310.00
	3300.000	16000.00	1301.10	0.64	0.46	0.00	1590.00	310.00
	3300.000	16000.00	1302.22	1.12	0.61	3.20	850.00	310.00
	3300.000	34000.00	1302.84	0.62	0.53	0.00	1590.00	310.00
	3830.000	3400.00	1300.45	0.00	1.43	0.00	982.31	530.00
	3830.000	11000.00	1301.68	1.23	1.23	0.00	1172.43	530.00

3830.000	16000.00	1302.29	0.61	1.19	0.00	1224.30	530.00
3830.000	16000.00	1303.35	1.06	1.13	2.90	655.62	530.00
3830.000	34000.00	1303.99	0.64	1.15	0.00	1291.97	530.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
4150.000	3400.00	1301.35	0.00	0.89	0.00	634.37	320.00
4150.000	11000.00	1302.95	1.60	1.27	0.00	920.26	320.00
4150.000	16000.00	1303.63	0.68	1.34	0.00	1107.98	320.00
4150.000	16000.00	1304.35	0.71	0.99	3.00	630.28	320.00
4150.000	34000.00	1305.36	1.01	1.36	0.00	1377.33	320.00
4415.000	3400.00	1302.04	0.00	0.70	0.00	835.17	265.00
4415.000	11000.00	1303.87	1.82	0.91	1.82	957.12	265.00
4415.000	16000.00	1304.63	0.76	1.00	2.58	800.00	265.00
4415.000	16000.00	1305.21	0.58	0.86	3.16	1069.97	265.00
4415.000	34000.00	1306.49	1.28	1.13	0.00	2138.54	265.00
5445.000	3400.00	1304.97	0.00	2.93	0.00	796.41	1030.00
5445.000	11000.00	1306.60	1.63	2.74	1.63	1003.08	1030.00
5445.000	16000.00	1307.63	1.03	3.00	2.66	710.00	1030.00
5445.000	16000.00	1307.26	-0.37	2.05	2.29	1214.48	1030.00
5445.000	34000.00	1308.70	1.45	2.22	0.00	1611.51	1030.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION	SECNO=	2300.000	PROFILE= 1	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2300.000	PROFILE= 1	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	2300.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2300.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	2300.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2300.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	2300.000	PROFILE= 4	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2300.000	PROFILE= 4	MINIMUM SPECIFIC ENERGY

THIS RUN EXECUTED: 01/01/1980 01:29:46.48

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
**************************************************
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"DESIGN"
FINAL
(PROPOSED)

THIS RUN EXECUTED: 01/01/1980 00:37:20.96

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
**************************************************
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T1      INDIAN BEND WASH    EA # 1017.6  01MAR93
T2      PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)
T3            DESIGN 21 FEMA         MODEL D21FEMA   W/O  ENCROACHMENT

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        2.        0.        0.  0.000000      0.00       0.0        0.  1293.200     0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

     1.000     0.000    -1.000     0.000     0.000     0.000    -1.000     0.000     0.000    15.000

NC      0.020     0.020     0.020     0.200     0.400     0.000     0.000     0.000     0.000     0.000
QT      5.000  3400.000 11000.000 16000.000 16000.000 34000.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1470.000  2080.000
X1   1800.000     5.000  1470.000  2080.000     0.000     0.000     0.000     0.000     0.000     0.000
GR   1302.000  1470.000  1288.000  1570.000  1288.000  2030.000  1296.000  2070.000  1300.000  2080.000

NC      0.030     0.045     0.025     0.000     0.000     0.000     0.000     0.000     0.000     0.000
QT      5.000  1400.000  9000.000 14000.000 14000.000 32000.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1300.000  2590.000
X1   2300.000     9.000  1450.000  2590.000   600.000   300.000   450.000     0.000     0.000     0.000
GR   1297.000  1180.000  1296.300  1450.000  1296.500  1545.000  1296.800  1585.000  1296.100  1745.000
GR   1295.700  1990.000  1295.700  2190.000  1294.300  2410.000  1295.000  2590.000     0.000     0.000

NC      0.030     0.045     0.045     0.000     0.000     0.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1250.000  2640.000
X1   2375.000    10.000  1455.000  2640.000    75.000    75.000    75.000     0.000     0.000     0.000
GR   1296.300  1130.000  1296.300  1435.000  1297.000  1455.000  1296.500  1550.000  1296.800  1660.000
GR   1296.000  1875.000  1295.700  2000.000  1295.700  2240.000  1294.300  2470.000  1295.000  2640.000

NC      0.030     0.030     0.030     0.000     0.000     0.000     0.000     0.000     0.000     0.000
QT      5.000  3400.000 11000.000 16000.000 16000.000 34000.000     0.000     0.000     0.000     0.000
ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1350.000  2000.000
X1   2550.000    12.000  1600.000  2000.000    75.000   235.000   165.000     0.000     0.000     0.000
GR   1298.000  1179.000  1298.000  1180.000  1298.000  1181.000  1298.000  1205.000  1298.000  1460.000
GR   1297.500  1490.000  1296.000  1600.000  1290.000  1710.000  1289.500  1760.000  1290.000  1830.000
GR   1291.000  1950.000  1300.000  2000.000     0.000     0.000     0.000     0.000     0.000     0.000

ET      0.000     0.000     0.000     0.000     9.100     0.000     0.000     0.000  1330.000  1940.000
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MICHAEL BAKER, JR., INC.
RECEIVED
MAR 16 1993
ALEXANDRIA VIRGINIA

X1	2800.000	11.000	1525.000	1940.000	160.000	410.000	240.000	0.000	0.000	0.000
GR	1298.400	1140.000	1298.000	1210.000	1298.000	1290.000	1298.900	1350.000	1298.000	1475.000
GR	1296.000	1525.000	1291.000	1550.000	1290.300	1725.000	1291.000	1905.000	1298.000	1939.000
GR	1301.000	1940.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1300.000	1920.000
X1	3000.000	12.000	1500.000	1920.000	230.000	340.000	230.000	0.000	0.000	0.000
GR	1300.600	1010.000	1300.000	1110.000	1300.000	1170.000	1297.000	1215.000	1297.000	1325.000
GR	1296.000	1410.000	1296.000	1500.000	1292.000	1560.000	1291.000	1730.000	1292.000	1885.000
GR	1298.500	1919.000	1301.500	1920.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1250.000	1970.000
X1	3300.000	12.000	1520.000	1970.000	270.000	350.000	310.000	0.000	0.000	0.000
GR	1298.000	1020.000	1297.000	1040.000	1297.600	1210.000	1297.000	1305.000	1297.000	1330.000
GR	1298.000	1520.000	1298.600	1730.000	1298.000	1760.000	1292.100	1830.000	1293.500	1935.000
GR	1299.000	1969.000	1302.000	1970.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.040	0.040	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1200.000	2050.000
X1	3830.000	21.000	1110.000	2395.000	540.000	500.000	530.000	0.000	0.000	0.000
GR	1301.000	897.000	1301.000	900.000	1302.000	960.000	1300.000	1000.000	1306.000	1090.000
GR	1307.000	1110.000	1302.000	1150.000	1300.000	1180.000	1299.000	1280.000	1298.800	1410.000
GR	1298.000	1595.000	1298.000	1635.000	1299.000	1760.000	1300.000	1870.000	1301.000	1935.000
GR	1305.000	1970.000	1305.000	2160.000	1300.000	2200.000	1294.400	2270.000	1300.000	2340.000
GR	1300.000	2395.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	1200.000	1970.000
X1	4150.000	15.000	1140.000	2340.000	320.000	320.000	320.000	0.000	0.000	0.000
GR	1308.000	890.000	1304.000	1000.000	1302.500	1140.000	1300.000	1240.000	1299.000	1370.000
GR	1298.500	1530.000	1299.000	1680.000	1300.000	1770.000	1304.000	1920.000	1305.000	1940.000
GR	1305.000	2000.000	1305.000	2040.000	1304.000	2050.000	1302.000	2230.000	1304.000	2340.000
ET	0.000	9.100	9.100	9.100	0.000	9.100	0.000	0.000	9420.000	10580.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	9610.000	10410.000
X1	4415.000	31.000	9962.200	10037.800	280.000	250.000	265.000	0.000	0.000	0.000
GR	1303.900	9101.400	1305.400	9186.000	1306.100	9357.900	1304.000	9497.400	1301.900	9557.400
GR	1301.600	9653.700	1302.000	9840.400	1301.800	9962.200	1297.400	10000.000	1300.000	10037.800
GR	1300.300	10194.400	1300.800	10297.900	1302.600	10428.700	1306.800	10527.400	1308.500	10589.200
GR	1304.000	10621.300	1303.700	10726.000	1300.700	10738.300	1300.800	10790.800	1304.400	10803.700
GR	1304.400	10833.400	1300.300	10853.600	1300.400	10951.700	1304.400	11000.300	1304.400	11087.000
GR	1305.400	11128.700	1306.000	11282.300	1308.100	11455.100	1309.700	11620.700	1311.100	11789.600
GR	1312.900	11931.700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	9.100	9.100	9.100	0.000	9.100	0.000	0.000	9600.000	10850.000
ET	0.000	0.000	0.000	0.000	9.100	0.000	0.000	0.000	9840.000	10550.000
X1	5445.000	32.000	9969.700	10044.000	1040.000	980.000	1030.000	0.000	0.000	0.000
GR	1306.900	9227.400	1308.700	9267.700	1307.800	9354.500	1304.500	9364.200	1304.500	9437.200
GR	1308.000	9470.300	1306.900	9548.200	1305.300	9720.900	1303.100	9969.700	1301.400	10000.000
GR	1302.000	10044.000	1302.200	10206.800	1303.500	10368.000	1304.100	10528.600	1307.500	10629.800
GR	1312.000	10754.600	1311.200	10819.000	1307.500	10875.900	1307.700	10963.100	1309.600	11095.400
GR	1310.400	11178.400	1309.300	11264.500	1310.300	11367.600	1312.700	11391.100	1310.800	11409.200
GR	1311.600	11446.900	1313.000	11472.700	1313.500	11566.600	1313.400	11683.600	1312.900	11836.200
GR	1315.000	11854.200	1315.500	11952.900	0.000	0.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 1

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000
  1800.00      5.20  1293.20  1289.18  1293.20  1293.23      0.03      0.00      0.00  1302.00
    3400.        0.    3400.       0.       0.    2556.        0.        0.        0.   1300.00
     0.00      0.00      1.33     0.00    0.000    0.020     0.000     0.000   1288.00  1532.86
 0.000039        0.        0.       0.        0       16         0      0.00    523.14  2056.00


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1293.20

STA=    1533.    2080.
  PER Q=    100.0
   AREA=   2556.1
    VEL=      1.3

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      0.54 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  2300.00      1.24  1295.54  1295.54      0.00  1295.93      0.38      0.03      0.14  1296.30
    1400.        0.    1400.       0.       0.     283.        0.       15.        5.   1295.00
     0.03      0.00      4.96     0.00    0.000    0.025     0.000     0.000   1294.30  2214.50
 0.010175      600.      450.     300.        0       16         0      0.00    375.50  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1295.54

STA=    2214.    2590.
  PER Q=    100.0
   AREA=    282.5
    VEL=      5.0

*SECNO 2375.000

3265 DIVIDED FLOW

3280 CROSS SECTION   2375.00 EXTENDED      1.32 FEET
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


  2375.00      2.02  1296.32  1295.55      0.00  1296.37      0.05      0.38      0.07  1297.00
    1400.        1.    1399.       0.        5.     807.        0.       16.        6.   1295.00
     0.04      0.18     1.73     0.00     0.030     0.045     0.000     0.000   1294.30  1130.00
 0.002966       75.      75.      75.         1         5         0      0.00   1155.79  2640.00


FLOW DISTRIBUTION FOR SECNO=   2375.00          CWSEL=   1296.32

STA=    1130.    1435.    2640.
  PER Q=       0.1      99.9
   AREA=       5.3     806.6
    VEL=       0.2       1.7

*SECNO 2550.000
  2550.00      6.86  1296.36  1291.90      0.00  1296.41      0.05      0.04      0.00  1296.00
    3400.        1.    3399.       0.        5.    1945.        0.       21.        9.   1300.00
     0.06      0.19     1.75     0.00     0.030     0.030     0.000     0.000   1289.50  1573.72
 0.000141       75.     165.     235.         2        11         0      0.00    406.05  1979.77


FLOW DISTRIBUTION FOR SECNO=   2550.00          CWSEL=   1296.36

STA=    1574.    1600.    2000.
  PER Q=       0.0     100.0
   AREA=       4.7    1945.2
    VEL=       0.2       1.7

*SECNO 2800.000
  2800.00      6.10  1296.40  1292.06      0.00  1296.44      0.04      0.03      0.00  1296.00
    3400.        0.    3400.       0.        2.    2185.        0.       32.       11.   1301.00
     0.11      0.17     1.56     0.00     0.030     0.030     0.000     0.000   1290.30  1514.99
 0.000105      160.     240.     410.         2        14         0      0.00    416.24  1931.23


FLOW DISTRIBUTION FOR SECNO=   2800.00          CWSEL=   1296.40

STA=    1515.    1525.    1940.
  PER Q=       0.0     100.0
   AREA=       2.0    2184.7
    VEL=       0.2       1.6

*SECNO 3000.000
  3000.00      5.12  1296.42  1293.14      0.00  1296.48      0.06      0.03      0.01  1296.00
    3400.       18.    3382.       0.       46.    1750.        0.       43.       13.   1301.50
     0.14      0.39     1.93     0.00     0.030     0.030     0.000     0.000   1291.30  1373.66
```

0.000219	230.	230.	340.	1	17	0	0.00	534.50	1908.16

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1296.42

STA=	1374.	1410.	1500. 1920.
PER Q=	0.1	0.5	99.5
AREA=	7.8	38.5	1749.6
VEL=	0.3	0.4	1.9

*SECNO 3300.000

3301 HV CHANGED MORE THAN HVINS

3300.00	4.07	1296.17	1295.62	0.00	1296.96	0.80	0.19	0.30	1298.00
3400.	0.	3400.	0.	0.	475.	0.	51.	16.	1302.00
0.15	0.00	7.16	0.00	0.000	0.030	0.000	0.000	1292.10	1781.67
0.005324	270.	310.	350.	2	19	0	0.00	169.86	1951.53

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1296.17

STA=	1782.	1970.
PER Q=	100.0	
AREA=	474.8	
VEL=	7.2	

*SECNO 3830.000

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

3830.00	5.38	1299.78	1299.19	0.00	1299.95	0.17	2.86	0.13	1307.00
3400.	0.	3400.	0.	0.	1028.	0.	60.	22.	1300.00
0.20	0.00	3.31	0.00	0.000	0.040	0.000	0.000	1294.40	1201.79
0.005474	540.	530.	500.	4	12	0	0.00	778.79	2337.28

FLOW DISTRIBUTION FOR SECNO= 3830.00 CWSEL= 1299.78

STA=	1202.	2395.
PER Q=	100.0	
AREA=	1028.2	
VEL=	3.3	

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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 4150.000
  4150.00      2.59  1301.09  1300.14      0.00  1301.23      0.14      1.28      0.01  1302.50
    3400.        0.    3400.       0.        0.    1115.        0.       68.       27.   1304.00
     0.23      0.00     3.05     0.00     0.000    0.040    0.000     0.000   1298.50  1196.80
 0.003038      320.     320.     320.         2       17        0      0.00    613.70  1810.50


FLOW DISTRIBUTION FOR SECNO=   4150.00          CWSEL=   1301.09

STA=     1197.     2340.
  PER Q=     100.0
   AREA=    1115.1
    VEL=       3.0

*SECNO 4415.000

3470 ENCROACHMENT STATIONS=    9420.0   10580.0  TYPE=     1  TARGET=    1160.000
  4415.00      4.65  1302.05  1301.64      0.00  1302.39      0.34      1.08      0.08  1301.80
    3400.      105.    1278.    2017.       94.     219.     509.       74.       31.   1300.00
     0.24      1.12     5.83     3.96     0.040    0.040    0.040     0.000   1297.40  9553.13
 0.005995      280.     265.     250.         2       11        0      0.00    835.57 10388.70


FLOW DISTRIBUTION FOR SECNO=   4415.00          CWSEL=   1302.05

STA=     9553.     9654.     9840.     9962.    10038.    10194.    10298.    10389.
  PER Q=       1.1       1.6       0.4      37.6      38.6      17.2       3.5
   AREA=      29.2      46.6      18.2     219.2     297.5     155.2      56.7
    VEL=       1.3       1.1       0.8       5.8       4.4       3.8       2.1

*SECNO 5445.000

3470 ENCROACHMENT STATIONS=    9600.0   10850.0  TYPE=     1  TARGET=    1250.000
  5445.00      3.57  1304.97  1303.76      0.00  1305.07      0.10      2.62      0.05  1303.10
    3400.      269.     677.    2454.      198.     226.    1008.       99.       50.   1302.00
     0.35      1.36     2.99     2.43     0.040    0.040    0.040     0.000   1301.40  9758.26
 0.001471     1040.    1030.     980.         4        8        0      0.00    796.23 10554.49


FLOW DISTRIBUTION FOR SECNO=   5445.00          CWSEL=   1304.97

STA=     9758.     9970.    10044.    10207.    10368.    10529.    10554.
  PER Q=       7.9      19.9      39.5      23.6       8.7       0.3
   AREA=     197.7     226.3     467.2     341.7     187.9      11.3
    VEL=       1.4       3.0       2.9       2.4       1.6       0.8
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THIS RUN EXECUTED: 01/01/1980 00:38:09.89

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1 INDIAN BEND WASH EA # 1017.6 01MAR93

T2 PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)

T3 DESIGN 21 FEMA MODEL D21FEMA W/O ENCROACHMENT

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	3.	0.	0.	0.000000	0.00	0.0	0.	1295.300	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.000	-1.000	0.000	0.000	0.000	-1.000	0.000	0.000	15.000

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 2

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000
  1800.00      7.30  1295.30  1290.57  1295.30  1295.44      0.14      0.00      0.00  1302.00
   11000.        0.   11000.       0.       0.    3682.        0.        0.        0.   1300.00
     0.00      0.00      2.99     0.00    0.000    0.020     0.000     0.000   1288.00  1517.86
 0.000128        0.        0.       0.        0       21         0      0.00    548.64  2066.50


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1295.30

STA=    1518.    2080.
  PER Q=    100.0
   AREA=  3681.6
    VEL=      3.0

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      1.90 FEET

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  2300.00      2.60  1296.90  1296.90      0.00  1297.48      0.59      0.16      0.18  1296.30
    9000.      135.     8865.       0.      68.    1433.        0.       27.       10.   1295.00
     0.02      1.98      6.19     0.00    0.030    0.025     0.000     0.000   1294.30  1220.17
 0.008005      600.      450.     300.        0       19         0      0.00   1369.83  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1296.90

STA=    1220.    1450.    2590.
  PER Q=      1.5     98.5
   AREA=     68.5   1432.8
    VEL=      2.0      6.2

*SECNO 2375.000
3280 CROSS SECTION   2375.00 EXTENDED      2.78 FEET

  2375.00      3.48  1297.78  1296.86      0.00  1297.93      0.15      0.36      0.09  1297.00
    9000.     1699.     7301.       0.     472.    2425.        0.       31.       13.   1295.00
     0.03      3.60      3.01     0.00    0.030    0.045     0.000     0.000   1294.30  1130.00
 0.003210       75.       75.      75.        2        5         0      0.00   1510.00  2640.00
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 2375.00 CWSEL= 1297.78

STA=	1130.	1435.	1455.	2640.
PER Q=	18.1	0.8	81.1	
AREA=	449.9	22.5	2424.9	
VEL=	3.6	3.0	3.0	

*SECNO 2550.000

2550.00	8.37	1297.87	1293.89	0.00	1298.15	0.28	0.17	0.05	1296.00
11000.	166.	10834.	0.	128.	2526.	0.	41.	16.	1300.00
0.04	1.30	4.29	0.00	0.030	0.030	0.000	0.000	1289.50	1467.71
0.000619	75.	165.	235.	2	11	0	0.00	520.47	1988.18

FLOW DISTRIBUTION FOR SECNO= 2550.00 CWSEL= 1297.87

STA=	1468.	1490.	1600.	2000.
PER Q=	0.0	1.5	98.5	
AREA=	4.1	123.4	2526.2	
VEL=	0.4	1.3	4.3	

*SECNO 2800.000

3265 DIVIDED FLOW

2800.00	7.77	1298.07	1293.71	0.00	1298.29	0.22	0.13	0.01	1296.00
11000.	60.	10940.	0.	60.	2868.	0.	56.	19.	1301.00
0.05	1.00	3.81	0.00	0.030	0.030	0.000	0.000	1290.30	1198.29
0.000451	160.	240.	410.	2	18	0	0.00	569.48	1939.02

FLOW DISTRIBUTION FOR SECNO= 2800.00 CWSEL= 1298.07

STA=	1198.	1525.	1940.
PER Q=	0.5	99.5	
AREA=	59.5	2868.4	
VEL=	1.0	3.8	

*SECNO 3000.000

3000.00	6.88	1298.18	1294.85	0.00	1298.42	0.25	0.12	0.01	1296.00
11000.	856.	10144.	0.	478.	2472.	0.	71.	22.	1301.50
0.07	1.79	4.10	0.00	0.030	0.030	0.000	0.000	1291.30	1197.34
0.000642	230.	230.	340.	2	14	0	0.00	719.97	1917.31

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1298.18

STA=	1197.	1215.	1325.	1410.	1500.	1920.
PER Q=	0.1	1.6	2.3	3.8	92.2	
AREA=	10.4	129.5	142.6	195.9	2471.7	
VEL=	0.9	1.4	1.8	2.1	4.1	

*SECNO 3300.000

3265 DIVIDED FLOW

3280 CROSS SECTION 3300.00 EXTENDED 0.57 FEET

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3300.00	6.47	1298.57	1298.57	0.00	1299.39	0.82	0.48	0.23	1298.00
11000.	3108.	7892.	0.	600.	997.	0.	87.	28.	1302.00
0.08	5.18	7.92	0.00	0.030	0.030	0.000	0.000	1292.10	1020.00
0.008460	270.	310.	350.	0	10	0	0.00	934.28	1966.34

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1298.57

STA=	1020.	1040.	1210.	1305.	1330.	1520.	1970.
PER Q=	0.9	10.5	5.9	2.2	8.8	71.7	
AREA=	21.4	215.9	120.6	39.2	203.3	996.6	
VEL=	4.7	5.3	5.3	6.2	4.8	7.9	

*SECNO 3830.000

3265 DIVIDED FLOW

3280 CROSS SECTION 3830.00 EXTENDED 1.67 FEET

3301 HV CHANGED MORE THAN HVINS

3830.00	7.27	1301.67	1300.35	0.00	1301.90	0.24	2.40	0.12	1307.00
11000.	100.	10900.	0.	64.	2790.	0.	114.	40.	1300.00
0.12	1.56	3.91	0.00	0.040	0.040	0.000	0.000	1294.40	897.00
0.002804	540.	530.	500.	3	10	0	0.00	1095.67	2395.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 3830.00 CWSEL= 1301.67

STA=	897.	900.	940.	1000.	1025.	2395.
PER Q=	0.0	0.1	0.4	0.3	99.1	
AREA=	2.0	13.4	27.8	20.9	2789.5	
VEL=	1.3	0.9	1.7	1.7	3.9	

*SECNO 4150.000

3265 DIVIDED FLOW

4150.00	4.22	1302.72	1301.43	0.00	1303.08	0.37	1.13	0.05	1302.50
11000.	1.	10999.	0.	2.	2259.	0.	133.	47.	1304.00
0.14	0.57	4.87	0.00	0.040	0.040	0.000	0.000	1298.50	1119.85
0.004562	320.	320.	320.	3	18	0	0.00	855.81	2269.38

FLOW DISTRIBUTION FOR SECNO= 4150.00 CWSEL= 1302.72

STA=	1120.	1140.	2340.
PER Q=	0.0	100.0	
AREA=	2.2	2259.0	
VEL=	0.6	4.9	

*SECNO 4415.000

3470 ENCROACHMENT STATIONS= 9420.0 10580.0 TYPE= 1 TARGET= 1160.000

4415.00	6.40	1303.80	1302.99	1302.05	1304.17	0.37	1.08	0.00	1301.80
11000.	2985.	2216.	5799.	853.	351.	1199.	147.	53.	1300.00
0.15	3.50	6.30	4.84	0.040	0.040	0.040	0.000	1297.40	9503.14
0.003734	280.	265.	250.	2	11	0	0.00	953.74	10456.88

FLOW DISTRIBUTION FOR SECNO= 4415.00 CWSEL= 1303.80

STA=	9503.	9557.	9654.	9840.	9962.	10038.	10194.	10298.	10429.	10457.
PER Q=	1.0	6.6	12.2	7.3	20.1	28.0	15.2	9.3	0.2	
AREA=	51.5	197.3	373.2	231.3	351.5	571.4	336.3	274.6	16.9	
VEL=	2.2	3.7	3.6	3.5	6.3	5.4	5.0	3.7	1.6	

*SECNO 5445.000

3470 ENCROACHMENT STATIONS= 9600.0 10850.0 TYPE= 1 TARGET= 1250.000

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
5445.00	5.22	1306.62	1305.04	1304.97	1306.86	0.23	2.66	0.03	1303.10
11000.	1926.	1620.	7453.	695.	349.	1892.	209.	76.	1302.00
0.23	2.77	4.64	3.94	0.040	0.040	0.040	0.000	1301.40	9600.00
0.001985	1040.	1030.	980.	3	11	0	0.00	1003.68	10603.68

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1306.62

STA=	9600.	9721.	9970.	10044.	10207.	10368.	10529.	10604.
PER Q=	1.2	16.4	14.7	30.3	22.2	13.6	1.7
AREA=	92.2	602.7	349.1	736.2	608.1	453.3	94.7
VEL=	1.4	3.0	4.6	4.5	4.0	3.3	1.9

THIS RUN EXECUTED: 01/01/1980 00:38:45.49

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1 INDIAN BEND WASH EA # 1017.6 01MAR93

T2 PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)

T3 DESIGN 21 FEMA MODEL D21FEMA W/O ENCROACHMENT

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	0.000000	0.00	0.0	0.	1296.200	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.000	-1.000	0.000	0.000	0.000	-1.000	0.000	0.000	15.000

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 3

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000
  1800.00      8.20  1296.20  1291.29  1296.20  1296.43      0.23      0.00      0.00  1302.00
   16000.        0.   16000.       0.       0.    4180.        0.        0.        0.   1300.00
     0.00      0.00      3.83     0.00    0.000    0.020    0.000    0.000   1288.00  1511.43
 0.000182        0.        0.       0.        0       17        0      0.00    559.07  2070.50


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1296.20

STA=    1511.    2080.
  PER Q=    100.0
   AREA=   4180.2
    VEL=      3.8

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      2.30 FEET


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
  2300.00      2.99  1297.30  1297.30     0.00  1298.06      0.76      0.22      0.21  1296.30
   14000.      552.   13448.       0.     174.    1888.        0.       33.       11.   1295.00
     0.02      3.17      7.12     0.00    0.030    0.025    0.000    0.000   1294.30  1180.00
 0.007350      600.      450.     300.        0       22        0      0.00   1410.00  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1297.30

STA=    1180.    1450.    2590.
  PER Q=      3.9     96.1
   AREA=    174.2   1887.9
    VEL=      3.2      7.1

*SECNO 2375.000
3280 CROSS SECTION   2375.00 EXTENDED      3.30 FEET
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

2375.00	4.00	1298.30	1297.26	0.00	1298.53	0.23	0.36	0.11	1297.00
14000.	2937.	11063.	0.	643.	3048.	0.	37.	13.	1295.00
0.02	4.57	3.63	0.00	0.030	0.045	0.000	0.000	1294.30	1130.00
0.003439	75.	75.	75.	2	6	0	0.00	1510.00	2640.00

FLOW DISTRIBUTION FOR SECNO= 2375.00 CWSEL= 1298.30

STA=	1130.	1435.	1455.	2640.
PER Q=	20.0	1.0	79.0	
AREA=	610.3	33.0	3048.4	
VEL=	4.6	4.1	3.6	

*SECNO 2550.000

3280 CROSS SECTION 2550.00 EXTENDED 0.40 FEET

2550.00	8.89	1298.39	1294.89	0.00	1298.88	0.49	0.25	0.10	1296.00
16000.	508.	15492.	0.	311.	2730.	0.	49.	17.	1300.00
0.03	1.63	5.67	0.00	0.030	0.030	0.000	0.000	1289.50	1179.00
0.000986	75.	165.	235.	2	11	0	0.00	812.09	1991.09

FLOW DISTRIBUTION FOR SECNO= 2550.00 CWSEL= 1298.39

STA=	1179.	1205.	1460.	1490.	1600.	2000.
PER Q=	0.1	0.5	0.1	2.5	96.8	
AREA=	10.3	100.8	19.4	181.0	2730.3	
VEL=	0.8	0.8	1.2	2.2	5.7	

*SECNO 2800.000

3265 DIVIDED FLOW

3280 CROSS SECTION 2800.00 EXTENDED 0.31 FEET

2800.00	8.41	1298.71	1294.58	0.00	1299.09	0.38	0.20	0.02	1296.00
16000.	282.	15718.	0.	230.	3135.	0.	66.	20.	1301.00
0.04	1.23	5.01	0.00	0.030	0.030	0.000	0.000	1290.30	1140.00
0.000693	160.	240.	410.	2	11	0	0.00	760.32	1939.24

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


FLOW DISTRIBUTION FOR SECNO=   2800.00          CWSEL=   1298.71

STA=    1140.    1210.    1290.    1337.    1475.    1525.    1940.
  PER Q=      0.2      0.4      0.1      0.1      1.0     98.2
   AREA=     35.7     56.9     16.8     35.1     85.5   3135.1
    VEL=      0.8      1.0      0.7      0.7      1.9      5.0

*SECNO 3000.000
  3000.00     7.60  1298.90  1295.69     0.00  1299.27     0.37     0.18     0.00  1296.00
   16000.    1808.   14192.       0.     702.    2775.       0.      84.      24.   1301.50
     0.06     2.58     5.11     0.00    0.030    0.030    0.000    0.000  1291.30  1186.47
 0.000860     230.     230.     340.        2       11        0     0.00   732.66  1919.13


FLOW DISTRIBUTION FOR SECNO=   3000.00          CWSEL=   1298.90

STA=    1186.    1215.    1325.    1410.    1500.    1920.
  PER Q=      0.2      2.9      3.3      4.8     88.7
   AREA=     27.1    209.2    204.2    261.2   2775.1
    VEL=      1.4      2.2      2.6      3.0      5.1

*SECNO 3300.000
3280 CROSS SECTION   3300.00 EXTENDED      1.14 FEET


3301 HV CHANGED MORE THAN HVINS

  3300.00     7.05  1299.15  1299.03     0.00  1300.07     0.92     0.57     0.22  1298.00
   16000.    5506.   10494.       0.     887.    1253.       0.     104.      30.   1302.00
     0.07     6.21     8.38     0.00    0.030    0.030    0.000    0.000  1292.10  1020.00
 0.007294     270.     310.     350.        0       10        0     0.00   949.05  1969.05


FLOW DISTRIBUTION FOR SECNO=   3300.00          CWSEL=   1299.15

STA=    1020.    1040.    1210.    1305.    1330.    1520.    1970.
  PER Q=      1.2     12.4      7.0      2.4     11.5     65.6
   AREA=     32.9    313.2    175.0     53.6    312.1   1253.0
    VEL=      5.7      6.4      6.4      7.0      5.9      8.4

*SECNO 3830.000
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3265 DIVIDED FLOW

3280 CROSS SECTION 3830.00 EXTENDED 2.27 FEET

3301 HV CHANGED MORE THAN HVINS

3830.00	7.88	1302.28	1300.86	0.00	1302.60	0.33	2.42	0.12	1307.00
16000.	297.	15703.	0.	139.	3393.	0.	138.	43.	1300.00
0.10	2.13	4.63	0.00	0.040	0.040	0.000	0.000	1294.40	897.00
0.003102	540.	530.	500.	3	10	0	0.00	1148.46	2395.00

FLOW DISTRIBUTION FOR SECNO= 3830.00 CWSEL= 1302.28

STA=	897.	900.	960.	1000.	1034.	2395.
PER Q=	0.0	0.5	0.8	0.5	98.1
AREA=	3.8	46.2	50.8	38.6	3393.1
VEL=	1.9	1.7	2.4	2.2	4.6

*SECNO 4150.000

3265 DIVIDED FLOW

4150.00	4.94	1303.44	1302.08	0.00	1303.90	0.46	1.24	0.05	1302.50
16000.	65.	15935.	0.	41.	2909.	0.	162.	51.	1304.00
0.12	1.59	5.48	0.00	0.040	0.040	0.000	0.000	1298.50	1052.57
0.005010	320.	320.	320.	2	14	0	0.00	1054.64	2309.02

FLOW DISTRIBUTION FOR SECNO= 4150.00 CWSEL= 1303.44

STA=	1053.	1140.	2340.
PER Q=	0.4	99.6	
AREA=	41.0	2908.8	
VEL=	1.6	5.5	

*SECNO 4415.000

3470 ENCROACHMENT STATIONS= 9420.0 10580.0 TYPE= 1 TARGET= 1160.000

4415.00	7.17	1304.57	1303.45	1302.05	1305.00	0.43	1.09	0.01	1301.80
16000.	5093.	2762.	8146.	1220.	410.	1528.	181.	57.	1300.00
0.13	4.17	6.74	5.33	0.040	0.040	0.040	0.000	1297.40	9459.73
0.003484	280.	265.	250.	2	11	0	0.00	1015.19	10474.92

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 4415.00 CWSEL= 1304.57

STA=	9460.	9497.	9557.	9654.	9840.	9962.	10038.	10194.	10298.	10429.	10475.
PER Q=	0.1	1.8	7.4	14.0	8.6	17.3	25.5	14.4	10.4	0.6
AREA=	10.7	97.0	271.3	516.6	324.8	409.5	691.7	415.8	375.0	45.5
VEL=	0.9	3.0	4.4	4.3	4.2	6.7	5.9	5.5	4.4	2.2

*SECNO 5445.000

3470 ENCROACHMENT STATIONS= 9600.0 10850.0 TYPE= 1 TARGET= 1250.000

5445.00	5.99	1307.39	1305.61	1304.97	1307.69	0.30	2.67	0.03	1303.10
16000.	3335.	2139.	10526.	978.	406.	2330.	260.	81.	1302.00
0.19	3.41	5.27	4.52	0.040	0.040	0.040	0.000	1301.40	9600.00
0.002092	1040.	1030.	980.	3	14	0	0.00	1026.48	10626.48

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1307.39

STA=	9600.	9721.	9970.	10044.	10207.	10368.	10529.	10626.
PER Q=	2.6	18.3	13.4	27.8	21.3	14.3	2.4
AREA=	184.8	793.3	406.0	861.0	731.6	576.3	160.9
VEL=	2.2	3.7	5.3	5.2	4.7	4.0	2.4

THIS RUN EXECUTED: 01/01/1980 00:39:21.52

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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Floodway Run

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T1      INDIAN BEND WASH    EA # 1017.6   01MAR93
T2      PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)
T3            DESIGN 21 FEMA         MODEL D21FEMA   W/  ENCROACHMENT
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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	5.	0.	0.	0.000000	0.00	0.0	0.	1296.200	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	4.000	0.000	-1.000	0.000	0.000	0.000	-1.000	0.000	0.000	15.000

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 4

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000

3470 ENCROACHMENT STATIONS=    1470.0    2080.0  TYPE=     1  TARGET=     610.000
  1800.00     8.20  1296.20  1291.29  1293.20  1296.43     0.23     0.00     0.00  1302.00
   16000.       0.   16000.       0.       0.    4180.       0.       0.       0. 100000.00
     0.00     0.00     3.83     0.00    0.000    0.020    0.000    0.000  1288.00  1511.43
 0.000182       0.       0.       0.        0       17        0     0.00   559.07  2070.50


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1296.20

STA=    1511.    2080.
  PER Q=    100.0
   AREA=   4180.2
    VEL=      3.8

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      2.28 FEET


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1300.0    2590.0  TYPE=     1  TARGET=    1290.000
  2300.00     2.98  1297.28  1297.28  1295.54  1298.08     0.80     0.23     0.23  1296.30
   14000.      434.   13566.       0.     117.    1868.       0.       32.      10. 100000.00
     0.02     3.69     7.26     0.00    0.030    0.025    0.000    0.000  1294.30  1300.00
 0.007746      600.     450.     300.        0       22        0     0.00  1290.00  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1297.28

STA=    1300.    1450.    2590.
  PER Q=      3.1     96.9
   AREA=    117.5   1868.1
    VEL=      3.7      7.3
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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 2375.000
3280 CROSS SECTION   2375.00 EXTENDED      3.34 FEET


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1250.0    2640.0  TYPE=     1  TARGET=    1390.000
  2375.00      4.03  1298.33  1297.26  1296.32  1298.59      0.25      0.40      0.11  1297.00
   14000.     1998.   12002.       0.     410.     3089.       0.       37.       12. 100000.00
     0.02      4.87     3.88     0.00    0.030    0.045    0.000     0.000   1294.30  1250.00
 0.003871      75.      75.      75.        2        5        0      0.00   1390.00  2640.00


FLOW DISTRIBUTION FOR SECNO=   2375.00          CWSEL=   1298.33

STA=    1250.    1435.    1455.    2640.
  PER Q=      13.2       1.1      85.7
   AREA=     376.6      33.7    3089.4
    VEL=       4.9       4.4       3.9

*SECNO 2550.000

3470 ENCROACHMENT STATIONS=    1350.0    2000.0  TYPE=     1  TARGET=     650.000
  2550.00      8.95  1298.45  1294.88  1296.36  1298.93      0.48      0.26      0.09  1296.00
   16000.      483.   15517.       0.     259.     2754.       0.       48.       15. 100000.00
     0.03      1.86     5.63     0.00    0.030    0.030    0.000     0.000   1289.50  1350.00
 0.000963      75.      165.     235.        2       11        0      0.00    641.42  1991.42


FLOW DISTRIBUTION FOR SECNO=   2550.00          CWSEL=   1298.45

STA=    1350.    1460.    1490.    1600.    2000.
  PER Q=       0.3       0.2       2.6      97.0
   AREA=      50.1      21.2     187.6    2753.8
    VEL=       0.9       1.2       2.2       5.6

*SECNO 2800.000

3265 DIVIDED FLOW


3470 ENCROACHMENT STATIONS=    1330.0    1940.0  TYPE=     1  TARGET=     610.000
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```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST

  2800.00      8.46  1298.76  1294.58  1296.40  1299.15      0.39      0.19      0.02  1296.00
   16000.      194.   15806.       0.     129.     3156.       0.       65.       18. 100000.00
     0.04      1.50     5.01     0.00    0.030    0.030    0.000    0.000  1290.30  1330.00
 0.000686      160.     240.     410.        2       11        0     0.00   580.57  1939.25

FLOW DISTRIBUTION FOR SECNO=   2800.00          CWSEL=   1298.76

STA=    1330.    1475.    1525.    1940.
  PER Q=      0.2      1.0     98.8
   AREA=     41.0     88.0   3155.7
    VEL=      0.7      1.9      5.0

*SECNO 3000.000

3470 ENCROACHMENT STATIONS=    1300.0    1920.0  TYPE=     1  TARGET=     620.000
  3000.00      7.63  1298.93  1295.69  1296.42  1299.33      0.40      0.18      0.00  1296.00
   16000.     1457.   14543.       0.     519.     2788.       0.       83.       22. 100000.00
     0.06      2.81     5.22     0.00    0.030    0.030    0.000    0.000  1291.30  1300.00
 0.000889      230.     230.     340.        2       11        0     0.00   619.14  1919.14

FLOW DISTRIBUTION FOR SECNO=   3000.00          CWSEL=   1298.93

STA=    1300.    1325.    1410.    1500.    1920.
  PER Q=      0.7      3.5      5.0     90.9
   AREA=     48.3    206.8    263.9   2788.1
    VEL=      2.2      2.7      3.0      5.2

*SECNO 3300.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3470 ENCROACHMENT STATIONS=    1250.0    1970.0  TYPE=     1  TARGET=     720.000
  3300.00      7.22  1299.32  1299.32  1296.17  1300.52      1.20      0.61      0.32  1298.00
   16000.     3642.   12358.       0.     523.     1335.       0.      101.       26. 100000.00
     0.07      6.96     9.26     0.00    0.030    0.030    0.000    0.000  1292.10  1250.00
 0.008202      270.     310.     350.        0       10        0     0.00   719.11  1969.11
```

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


FLOW DISTRIBUTION FOR SECNO=   3300.00          CWSEL=   1299.32

STA=    1250.    1305.    1330.    1520.    1970.
  PER Q=      5.4      2.9     14.5     77.2
   AREA=    118.3     58.1    346.6   1334.6
    VEL=      7.3      7.9      6.7      9.3

*SECNO 3830.000
3280 CROSS SECTION   3830.00 EXTENDED      2.92 FEET


3301 HV CHANGED MORE THAN HVINS


3470 ENCROACHMENT STATIONS=    1200.0    2050.0  TYPE=     1  TARGET=     850.000
  3830.00      4.93  1302.93  1301.38  1299.78  1303.39     0.46     2.72     0.15100000.00
   16000.        0.   16000.       0.       0.    2942.       0.     130.      35. 100000.00
     0.09      0.00     5.44     0.00    0.000    0.040    0.000    0.000  1298.00  1200.00
 0.003494      540.     530.     500.        2       14        0     0.00   751.84  1951.84


FLOW DISTRIBUTION FOR SECNO=   3830.00          CWSEL=   1302.93

STA=    1200.    2395.
  PER Q=    100.0
   AREA=   2942.4
    VEL=      5.4

*SECNO 4150.000

3470 ENCROACHMENT STATIONS=    1200.0    1970.0  TYPE=     1  TARGET=     770.000
  4150.00      5.49  1303.99  1302.04  1301.09  1304.42     0.43     1.02     0.01100000.00
   16000.        0.   16000.       0.       0.    3048.       0.     152.      41. 100000.00
     0.11      0.00     5.25     0.00    0.000    0.040    0.000    0.000  1298.50  1200.00
 0.002930      320.     320.     320.        2       19        0     0.00   719.48  1919.48


FLOW DISTRIBUTION FOR SECNO=   4150.00          CWSEL=   1303.99

STA=    1200.    2340.
  PER Q=    100.0
   AREA=   3047.6
    VEL=      5.3
```

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   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*SECNO 4415.000

3470 ENCROACHMENT STATIONS=    9610.0   10410.0  TYPE=      1  TARGET=     800.000
  4415.00      7.39  1304.79  1303.52  1302.05  1305.26      0.47      0.82      0.02  1301.80
   16000.    4622.     2896.     8482.     1046.      426.    1525.      170.      45.   1300.00
     0.12      4.42      6.79      5.56     0.040     0.040    0.040     0.000  1297.40  9610.00
 0.003354     280.      265.      250.         2         8        0      0.00   800.00 10410.00


FLOW DISTRIBUTION FOR SECNO=   4415.00          CWSEL=   1304.79

STA=    9610.    9654.    9840.    9962.   10038.   10194.   10298.   10410.
  PER Q=      3.7     15.6      9.6     18.1     27.2     15.4     10.4
   AREA=    136.3    557.8    351.7    426.2    726.2    438.6    360.5
    VEL=      4.4      4.5      4.4      6.8      6.0      5.6      4.6

*SECNO 5445.000

3470 ENCROACHMENT STATIONS=    9840.0   10550.0  TYPE=      1  TARGET=     710.000
  5445.00      6.20  1307.60  1305.55  1304.97  1307.98      0.38      2.70      0.02  1303.10
   16000.    2176.     2343.    11481.      509.      421.    2337.      242.      63.   1302.00
     0.18      4.28      5.56      4.91     0.040     0.040    0.040     0.000  1301.40  9840.00
 0.002215    1040.     1030.      980.         2        11        0      0.00   710.00 10550.00


FLOW DISTRIBUTION FOR SECNO=   5445.00          CWSEL=   1307.60

STA=    9840.    9970.   10044.   10207.   10368.   10529.   10550.
  PER Q=     13.6     14.6     30.5     23.6     16.2      1.4
   AREA=    508.9    421.5    894.9    765.2    609.8     67.1
    VEL=      4.3      5.6      5.4      4.9      4.3      3.5
```

THIS RUN EXECUTED: 01/01/1980 00:39:56.61

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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T1      INDIAN BEND WASH    EA # 1017.6   01MAR93
T2      PRES COND 10,50,100 & 500 W/FEMA XSECTNS 8.82 (4415.) & 9.00 (5445.)
T3            DESIGN 21 FEMA         MODEL D21FEMA   W/O  ENCROACHMENT

J1  ICHECK    INQ       NINV      IDIR      STRT      METRIC    HVINS     Q         WSEL      FQ

      0.        6.        0.        0.  0.000000      0.00       0.0        0.  1298.600     0.000

J2  NPROF     IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW       CHNIM     ITRACE

    15.000     0.000    -1.000     0.000     0.000     0.000    -1.000     0.000     0.000    15.000
```

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


*PROF 5

CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS

CCHV=   0.200 CEHV=   0.400
*SECNO 1800.000
  1800.00     10.60  1298.60  1293.40  1298.60  1299.18      0.58      0.00      0.00  1302.00
   34000.        0.   34000.       0.       0.    5550.       0.        0.        0.   1300.00
     0.00      0.00      6.13     0.00    0.000    0.020    0.000     0.000   1288.00  1494.29
 0.000338        0.        0.       0.        0        7        0      0.00    582.21  2076.50


FLOW DISTRIBUTION FOR SECNO=   1800.00          CWSEL=   1298.60

STA=    1494.    2080.
  PER Q=    100.0
   AREA=   5549.7
    VEL=      6.1

*SECNO 2300.000
3280 CROSS SECTION   2300.00 EXTENDED      3.71 FEET

  2300.00      4.41  1298.71  1298.38     0.00  1299.72      1.01      0.37      0.17  1296.30
   32000.     2941.   29059.       0.     556.    3499.       0.        51.       11.   1295.00
     0.02      5.29      8.31     0.00    0.030    0.025    0.000     0.000   1294.30  1180.00
 0.004396      600.      450.     300.        2       22        0      0.00   1410.00  2590.00


FLOW DISTRIBUTION FOR SECNO=   2300.00          CWSEL=   1298.71

STA=    1180.    1450.    2590.
  PER Q=      9.2      90.8
   AREA=    555.7   3498.8
    VEL=      5.3      8.3

*SECNO 2375.000
3280 CROSS SECTION   2375.00 EXTENDED      4.62 FEET

  2375.00      5.33  1299.63  1298.24     0.00  1300.14      0.52      0.32      0.10  1297.00
   32000.     7594.   24406.       0.    1073.    4614.       0.        59.       13.   1295.00
     0.02      7.08      5.29     0.00    0.030    0.045    0.000     0.000   1294.30  1130.00
 0.004211       75.       75.      75.        3       15        0      0.00   1510.00  2640.00
```

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 2375.00 CWSEL= 1299.63

STA=	1130.	1435.	1455.	2640.
PER Q=	22.5	1.2	76.3	
AREA=	1013.3	59.4	4613.8	
VEL=	7.1	6.6	5.3	

*SECNO 2550.000

3280 CROSS SECTION 2550.00 EXTENDED 1.60 FEET

3301 HV CHANGED MORE THAN HVINS

2550.00	10.10	1299.60	1297.89	0.00	1300.92	1.32	0.46	0.32	1296.00
34000.	3180.	30820.	0.	818.	3205.	0.	75.	17.	1300.00
0.02	3.89	9.62	0.00	0.030	0.030	0.000	0.000	1289.50	1179.00
0.002340	75.	165.	235.	3	14	0	0.00	818.78	1997.78

FLOW DISTRIBUTION FOR SECNO= 2550.00 CWSEL= 1299.60

STA=	1179.	1181.	1205.	1460.	1490.	1600.	2000.
PER Q=	0.0	0.4	3.9	0.6	4.4	90.6	
AREA=	3.2	38.4	407.9	55.5	313.5	3205.3	
VEL=	2.5	3.3	3.3	3.6	4.8	9.6	

*SECNO 2800.000

3280 CROSS SECTION 2800.00 EXTENDED 2.08 FEET

2800.00	10.18	1300.48	1297.07	0.00	1301.41	0.92	0.41	0.08	1296.00
34000.	2980.	31020.	0.	909.	3870.	0.	98.	21.	1301.00
0.03	3.28	8.02	0.00	0.030	0.030	0.000	0.000	1290.30	1140.00
0.001346	160.	240.	410.	0	14	0	0.00	799.83	1939.83

FLOW DISTRIBUTION FOR SECNO= 2800.00 CWSEL= 1300.48

STA=	1140.	1210.	1290.	1350.	1475.	1525.	1940.
PER Q=	1.5	1.9	1.0	2.2	2.1	91.2	
AREA=	159.8	198.7	122.0	254.2	174.2	3869.9	
VEL=	3.1	3.3	2.9	2.9	4.2	8.0	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*SECNO 3000.000

3280 CROSS SECTION 3000.00 EXTENDED 0.37 FEET

3000.00	9.68	1300.98	1298.35	0.00	1301.74	0.76	0.30	0.03	1296.00
34000.	6676.	27324.	0.	1502.	3644.	0.	124.	25.	1301.50
0.04	4.44	7.50	0.00	0.030	0.030	0.000	0.000	1291.30	1010.00
0.001294	230.	230.	340.	0	19	0	0.00	909.82	1919.82

FLOW DISTRIBUTION FOR SECNO= 3000.00 CWSEL= 1300.98

STA=	1010.	1110.	1170.	1215.	1325.	1410.	1500.	1920.
PER Q=	0.3	0.3	1.1	5.7	5.4	6.8	80.4	
AREA=	67.4	58.4	111.3	437.1	380.3	447.7	3644.4	
VEL=	1.4	1.8	3.3	4.5	4.8	5.2	7.5	

*SECNO 3300.000

3280 CROSS SECTION 3300.00 EXTENDED 3.44 FEET

3300.00	9.34	1301.44	1300.39	0.00	1302.41	0.98	0.58	0.09	1298.00
34000.	14773.	19227.	0.	2034.	2284.	0.	156.	31.	1302.00
0.05	7.26	8.42	0.00	0.030	0.030	0.000	0.000	1292.10	1020.00
0.003334	270.	310.	350.	2	10	0	0.00	949.81	1969.81

FLOW DISTRIBUTION FOR SECNO= 3300.00 CWSEL= 1301.44

STA=	1020.	1040.	1210.	1305.	1330.	1520.	1970.
PER Q=	1.5	15.2	8.5	2.5	15.7	56.6	
AREA=	78.7	703.2	393.0	110.9	747.9	2283.9	
VEL=	6.4	7.4	7.4	7.7	7.1	8.4	

*SECNO 3830.000

3265 DIVIDED FLOW

3280 CROSS SECTION 3830.00 EXTENDED 3.77 FEET

3830.00	9.37	1303.77	1302.26	0.00	1304.42	0.66	1.94	0.06	1307.00
34000.	1472.	32528.	0.	361.	4935.	0.	215.	45.	1300.00
0.08	4.07	6.59	0.00	0.040	0.040	0.000	0.000	1294.40	897.00
0.004016	540.	530.	500.	3	10	0	0.00	1207.96	2395.00

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

FLOW DISTRIBUTION FOR SECNO= 3830.00 CWSEL= 1303.77

STA=	897.	900.	960.	1000.	1056.	2395.
PER Q=	0.1	1.6	1.5	1.1	95.7	
AREA=	8.3	136.0	110.7	106.4	4934.7	
VEL=	3.0	4.1	4.6	3.6	6.6	

*SECNO 4150.000

3280 CROSS SECTION 4150.00 EXTENDED 1.21 FEET

4150.00	6.70	1305.20	1303.93	0.00	1305.91	0.70	1.47	0.02	1302.50
34000.	1195.	32805.	0.	294.	4814.	0.	253.	54.	1304.00
0.09	4.07	6.81	0.00	0.040	0.040	0.000	0.000	1298.50	966.86
0.005287	320.	320.	320.	3	11	0	0.00	1373.14	2340.00

FLOW DISTRIBUTION FOR SECNO= 4150.00 CWSEL= 1305.20

STA=	967.	1000.	1140.	2340.
PER Q=	0.1	3.4	96.5	
AREA=	20.0	273.7	4813.7	
VEL=	1.9	4.2	6.8	

*SECNO 4415.000

3470 ENCROACHMENT STATIONS= 9420.0 10580.0 TYPE= 1 TARGET= 1160.000

4415.00	8.96	1306.36	1304.86	1302.05	1307.09	0.73	1.17	0.01	1301.80
34000.	13007.	4622.	16371.	2182.	545.	2350.	284.	62.	1300.00
0.10	5.96	8.48	6.97	0.040	0.040	0.040	0.000	1297.40	9420.00
0.003759	280.	265.	250.	2	8	0	0.00	1097.10	10517.10

FLOW DISTRIBUTION FOR SECNO= 4415.00 CWSEL= 1306.36

STA=	9420.	9497.	9557.	9654.	9840.	9962.	10038.	10194.	10298.	10429.	10517.
PER Q=	1.3	3.1	8.2	15.7	9.9	13.6	22.0	13.0	11.4	1.7	
AREA=	137.7	204.7	444.1	851.7	543.5	545.2	972.8	601.5	609.8	166.3	
VEL=	3.3	5.2	6.3	6.3	6.2	8.5	7.7	7.4	6.4	3.5	

*SECNO 5445.000

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3470 ENCROACHMENT STATIONS= 9600.0 10850.0 TYPE= 1 TARGET= 1250.000

5445.00	8.08	1309.48	1307.07	1304.97	1310.00	0.53	2.87	0.04	1303.10
34000.	8789.	3801.	21410.	1750.	561.	3608.	411.	87.	1302.00
0.15	5.02	6.77	5.93	0.040	0.040	0.040	0.000	1301.40	9600.00
0.002245	1040.	1030.	980.	3	14	0	0.00	1089.15	10850.00

FLOW DISTRIBUTION FOR SECNO= 5445.00 CWSEL= 1309.48

STA=	9600.	9721.	9970.	10044.	10207.	10368.	10529.	10630.	10685.	10850.
PER Q=	5.2	20.6	11.2	23.6	19.5	15.0	4.6	0.3	0.0	
AREA=	437.3	1313.0	561.2	1201.0	1068.3	911.8	372.2	54.2	0.7	
VEL=	4.1	5.3	6.8	6.7	6.2	5.6	4.2	1.7	0.5	

THIS RUN EXECUTED: 01/01/1980 00:40:34.84

****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
****

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

DESIGN 21 FEMA

SUMMARY PRINTOUT TABLE 150

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	
	1800.000	0.00	0.00	0.00	1288.00	3400.00	1293.20	1289.18	1293.23	0.39	1.33	2556.15	54
	1800.000	0.00	0.00	0.00	1288.00	11000.00	1295.30	1290.57	1295.44	1.28	2.99	3681.57	[illegible]
	1800.000	0.00	0.00	0.00	1288.00	16000.00	1296.20	1291.29	1296.43	1.82	3.83	4180.17	118
	1800.000	0.00	0.00	0.00	1288.00	16000.00	1296.20	1291.29	1296.43	1.82	3.83	4180.17	118
	1800.000	0.00	0.00	0.00	1288.00	34000.00	1298.60	1293.40	1299.18	3.38	6.13	5549.72	184
*	2300.000	450.00	0.00	0.00	1294.30	1400.00	1295.54	1295.54	1295.93	101.75	4.96	282.53	1
*	2300.000	450.00	0.00	0.00	1294.30	9000.00	1296.90	1296.90	1297.48	80.05	6.19	1501.28	10
*	2300.000	450.00	0.00	0.00	1294.30	14000.00	1297.30	1297.30	1298.06	73.50	7.12	2062.02	16
*	2300.000	450.00	0.00	0.00	1294.30	14000.00	1297.28	1297.28	1298.08	77.46	7.26	1985.58	15
	2300.000	450.00	0.00	0.00	1294.30	32000.00	1298.71	1298.38	1299.72	43.96	8.31	4054.47	48
	2375.000	75.00	0.00	0.00	1294.30	1400.00	1296.32	1295.55	1296.37	29.66	1.73	811.88	2
	2375.000	75.00	0.00	0.00	1294.30	9000.00	1297.78	1296.86	1297.93	32.10	3.01	2897.27	15
	2375.000	75.00	0.00	0.00	1294.30	14000.00	1298.30	1297.26	1298.53	34.39	3.63	3691.72	23
	2375.000	75.00	0.00	0.00	1294.30	14000.00	1298.33	1297.26	1298.59	38.71	3.88	3499.77	22
	2375.000	75.00	0.00	0.00	1294.30	32000.00	1299.63	1298.24	1300.14	42.11	5.29	5686.50	49
	2550.000	165.00	0.00	0.00	1289.50	3400.00	1296.36	1291.90	1296.41	1.41	1.75	1949.91	28
	2550.000	165.00	0.00	0.00	1289.50	11000.00	1297.87	1293.89	1298.15	6.19	4.29	2653.73	44
	2550.000	165.00	0.00	0.00	1289.50	16000.00	1298.39	1294.89	1298.88	9.86	5.67	3041.76	50
	2550.000	165.00	0.00	0.00	1289.50	16000.00	1298.45	1294.88	1298.93	9.63	5.63	3012.74	51
	2550.000	165.00	0.00	0.00	1289.50	34000.00	1299.60	1297.89	1300.92	23.40	9.62	4023.72	70
	2800.000	240.00	0.00	0.00	1290.30	3400.00	1296.40	1292.06	1296.44	1.05	1.56	2186.72	33
	2800.000	240.00	0.00	0.00	1290.30	11000.00	1298.07	1293.71	1298.29	4.51	3.81	2927.98	51
	2800.000	240.00	0.00	0.00	1290.30	16000.00	1298.71	1294.58	1299.09	6.93	5.01	3365.10	60
	2800.000	240.00	0.00	0.00	1290.30	16000.00	1298.76	1294.58	1299.15	6.86	5.01	3284.73	61
	2800.000	240.00	0.00	0.00	1290.30	34000.00	1300.48	1297.07	1301.41	13.46	8.02	4778.75	92

	SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRIWS	EG	10K*S	VCH	AREA	
	3000.000	230.00	0.00	0.00	1291.30	3400.00	1296.42	1293.14	1296.48	2.19	1.93	1795.84	22
	3000.000	230.00	0.00	0.00	1291.30	11000.00	1298.18	1294.85	1298.42	6.42	4.10	2950.10	43
	3000.000	230.00	0.00	0.00	1291.30	16000.00	1298.90	1295.69	1299.27	8.60	5.11	3476.80	54
	3000.000	230.00	0.00	0.00	1291.30	16000.00	1298.93	1295.69	1299.33	8.89	5.22	3307.14	53
	3000.000	230.00	0.00	0.00	1291.30	34000.00	1300.98	1298.35	1301.74	12.94	7.50	5146.63	94
	3300.000	310.00	0.00	0.00	1292.10	3400.00	1296.17	1295.62	1296.96	53.24	7.16	474.80	4
*	3300.000	310.00	0.00	0.00	1292.10	11000.00	1298.57	1298.57	1299.39	84.60	7.92	1597.03	11
	3300.000	310.00	0.00	0.00	1292.10	16000.00	1299.15	1299.03	1300.07	72.94	8.38	2139.82	18
*	3300.000	310.00	0.00	0.00	1292.10	16000.00	1299.32	1299.32	1300.52	82.02	9.26	1857.58	17
	3300.000	310.00	0.00	0.00	1292.10	34000.00	1301.44	1300.39	1302.41	33.34	8.42	4317.64	58
	3830.000	530.00	0.00	0.00	1294.40	3400.00	1299.78	1299.19	1299.95	54.74	3.31	1028.22	4
	3830.000	530.00	0.00	0.00	1294.40	11000.00	1301.67	1300.35	1301.90	28.04	3.91	2853.58	20
	3830.000	530.00	0.00	0.00	1294.40	16000.00	1302.28	1300.86	1302.60	31.02	4.63	3532.47	28
	3830.000	530.00	0.00	0.00	1298.00	16000.00	1302.93	1301.38	1303.39	34.94	5.44	2942.38	27
	3830.000	530.00	0.00	0.00	1294.40	34000.00	1303.77	1302.26	1304.42	40.16	6.59	5296.05	53
	4150.000	320.00	0.00	0.00	1298.50	3400.00	1301.09	1300.14	1301.23	30.38	3.05	1115.07	6
	4150.000	320.00	0.00	0.00	1298.50	11000.00	1302.72	1301.43	1303.08	45.62	4.87	2261.19	16
	4150.000	320.00	0.00	0.00	1298.50	16000.00	1303.44	1302.08	1303.90	50.10	5.48	2949.74	22
	4150.000	320.00	0.00	0.00	1298.50	16000.00	1303.99	1302.04	1304.42	29.30	5.25	3047.57	29
	4150.000	320.00	0.00	0.00	1298.50	34000.00	1305.20	1303.93	1305.91	52.87	6.81	5107.44	46
	4415.000	265.00	0.00	0.00	1297.40	3400.00	1302.05	1301.64	1302.39	59.95	5.83	822.58	4
	4415.000	265.00	0.00	0.00	1297.40	11000.00	1303.80	1302.99	1304.17	37.34	6.30	2404.01	18
	4415.000	265.00	0.00	0.00	1297.40	16000.00	1304.57	1303.45	1305.00	34.84	6.74	3157.87	27
	4415.000	265.00	0.00	0.00	1297.40	16000.00	1304.79	1303.52	1305.26	33.54	6.79	2997.39	27
	4415.000	265.00	0.00	0.00	1297.40	34000.00	1306.36	1304.86	1307.09	37.59	8.48	5077.35	55
	5445.000	1030.00	0.00	0.00	1301.40	3400.00	1304.97	1303.76	1305.07	14.71	2.99	1431.97	8
	5445.000	1030.00	0.00	0.00	1301.40	11000.00	1306.62	1305.04	1306.86	19.85	4.64	2936.17	24
	5445.000	1030.00	0.00	0.00	1301.40	16000.00	1307.39	1305.61	1307.69	20.92	5.27	3713.96	34
	5445.000	1030.00	0.00	0.00	1301.40	16000.00	1307.60	1305.55	1307.98	22.15	5.56	3267.57	33
	5445.000	1030.00	0.00	0.00	1301.40	34000.00	1309.48	1307.07	1310.00	22.45	6.77	5919.77	71

DESIGN 21 FEMA

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
	1800.000	3400.00	1293.20	0.00	0.00	0.00	523.14	0.00
	1800.000	11000.00	1295.30	2.10	0.00	0.00	548.64	0.00
	1800.000	16000.00	1296.20	0.90	0.00	0.00	559.07	0.00
	1800.000	16000.00	1296.20	0.00	0.00	3.00	559.07	0.00
	1800.000	34000.00	1298.60	2.40	0.00	0.00	582.21	0.00
*	2300.000	1400.00	1295.54	0.00	2.34	0.00	375.50	450.00
*	2300.000	9000.00	1296.90	1.35	1.60	0.00	1369.83	450.00
*	2300.000	14000.00	1297.30	0.40	1.10	0.00	1410.00	450.00
*	2300.000	14000.00	1297.28	-0.02	1.08	1.73	1290.00	450.00
	2300.000	32000.00	1298.71	1.43	0.11	0.00	1410.00	450.00
	2375.000	1400.00	1296.32	0.00	0.78	0.00	1155.79	75.00
	2375.000	9000.00	1297.78	1.46	0.88	0.00	1510.00	75.00
	2375.000	14000.00	1298.30	0.52	1.00	0.00	1510.00	75.00
	2375.000	14000.00	1298.33	0.03	1.05	2.01	1390.00	75.00
	2375.000	32000.00	1299.63	1.29	0.92	0.00	1510.00	75.00
	2550.000	3400.00	1296.36	0.00	0.04	0.00	406.05	165.00
	2550.000	11000.00	1297.87	1.51	0.09	0.00	520.47	165.00
	2550.000	16000.00	1298.39	0.52	0.09	0.00	812.09	165.00
	2550.000	16000.00	1298.45	0.06	0.12	2.09	641.42	165.00
	2550.000	34000.00	1299.60	1.14	-0.03	0.00	818.78	165.00
	2800.000	3400.00	1296.40	0.00	0.04	0.00	416.24	240.00
	2800.000	11000.00	1298.07	1.67	0.19	0.00	569.48	240.00
	2800.000	16000.00	1298.71	0.64	0.32	0.00	760.32	240.00
	2800.000	16000.00	1298.76	0.05	0.31	2.36	580.57	240.00
	2800.000	34000.00	1300.48	1.72	0.88	0.00	799.83	240.00
	3000.000	3400.00	1296.42	0.00	0.02	0.00	534.50	230.00
	3000.000	11000.00	1298.18	1.76	0.11	0.00	719.97	230.00
	3000.000	16000.00	1298.90	0.72	0.19	0.00	732.66	230.00
	3000.000	16000.00	1298.93	0.03	0.17	2.51	619.14	230.00
	3000.000	34000.00	1300.98	2.05	0.50	0.00	909.82	230.00
	3300.000	3400.00	1296.17	0.00	-0.26	0.00	169.86	310.00
*	3300.000	11000.00	1298.57	2.40	0.39	0.00	934.28	310.00
	3300.000	16000.00	1299.15	0.58	0.24	0.00	949.05	310.00
*	3300.000	16000.00	1299.32	0.18	0.39	3.16	719.11	310.00
	3300.000	34000.00	1301.44	2.11	0.45	0.00	949.81	310.00
	3830.000	3400.00	1299.78	0.00	3.61	0.00	778.79	530.00
	3830.000	11000.00	1301.67	1.89	3.10	0.00	1095.67	530.00

floodplain

FW

3830.000	16000.00	1302.28	0.61	3.13	0.00	1148.46	530.00
3830.000	16000.00	1302.93	0.66	3.61	3.15	751.84	530.00
3830.000	34000.00	1303.77	0.84	2.33	0.00	1207.96	530.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
4150.000	3400.00	1301.09	0.00	1.31	0.00	613.70	320.00
4150.000	11000.00	1302.72	1.63	1.05	0.00	855.81	320.00
4150.000	16000.00	1303.44	0.72	1.16	0.00	1054.64	320.00
4150.000	16000.00	1303.99	0.55	1.06	2.90	719.48	320.00
4150.000	34000.00	1305.20	1.21	1.44	0.00	1373.14	320.00
4415.000	3400.00	1302.05	0.00	0.96	0.00	835.57	265.00
4415.000	11000.00	1303.80	1.75	1.08	1.75	953.74	265.00
4415.000	16000.00	1304.57	0.77	1.13	2.52	1015.19	265.00
4415.000	16000.00	1304.79	0.22	0.80	2.74	800.00	265.00
4415.000	34000.00	1306.36	1.58	1.16	4.31	1097.10	265.00
5445.000	3400.00	1304.97	0.00	2.92	0.00	796.23	1030.00
5445.000	11000.00	1306.62	1.65	2.82	1.65	1003.68	1030.00
5445.000	16000.00	1307.39	0.77	2.82	2.42	1026.48	1030.00
5445.000	16000.00	1307.60	0.21	2.81	2.63	710.00	1030.00
5445.000	34000.00	1309.48	1.88	3.11	4.51	1089.15	1030.00

SUMMARY OF ERRORS AND SPECIAL NOTES

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CAUTION  SECNO=  2300.000  PROFILE= 1  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  2300.000  PROFILE= 1  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  2300.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  2300.000  PROFILE= 2  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  2300.000  PROFILE= 3  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  2300.000  PROFILE= 3  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  2300.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  2300.000  PROFILE= 4  MINIMUM SPECIFIC ENERGY

CAUTION  SECNO=  3300.000  PROFILE= 2  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  3300.000  PROFILE= 2  MINIMUM SPECIFIC ENERGY
CAUTION  SECNO=  3300.000  PROFILE= 4  CRITICAL DEPTH ASSUMED
CAUTION  SECNO=  3300.000  PROFILE= 4  MINIMUM SPECIFIC ENERGY
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THIS RUN EXECUTED: 01/01/1980 00:40:51.92

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**************************************************
  HEC2 RELEASE DATED NOV 76 UPDATED MAY  1984
  ERROR CORR -  01,02,03,04,05,06
  MODIFICATION -  50,51,52,53,54,55,56
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