

\*\*\*\*\*  
 HEC2 VERSION UPDATED JAN 1975  
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08  
 MODIFICATIONS 51,52,53,54,55,56,57,58,99  
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STATION	Flow (cfs)	Flow (ft <sup>3</sup> /min)	Flow (ft <sup>3</sup> /min)	Flow (ft <sup>3</sup> /min)	Flow (ft <sup>3</sup> /min)	Flow (ft <sup>3</sup> /min)
0-1	30,390	197.8	54.69	54.69	36.46	36.46
1-2	37,500	235.0	146.31	146.31	41.10	41.10
2-3	38,350	238.4	148.37	148.37	46.02	46.02
3-4	42,670	266.7	168.8	168.8	51.20	51.20
4-5	49,230	308.3	195.0	195.0	56.65	56.65
5-6	52,050	325.3	200.8	200.8	62.43	62.43
6-7	55,063	344.1	213.54	213.54	68.44	68.44
7-8	62,316	392.3	231.42	231.42	74.78	74.78
8-9	67,805	424.1	255.52	255.52	81.37	81.37
9-10	73,563	450.8	276.34	276.34	88.28	88.28
10-11	79,559	496.4	301.96	301.96	95.47	95.47
11-12	85,493	538.1	324.16	324.16	102.95	102.95

Flow (ft<sup>3</sup>/min) 30 min (ft<sup>3</sup>/min) 15 min (ft<sup>3</sup>/min) 10 min (ft<sup>3</sup>/min) 5 min (ft<sup>3</sup>/min) 3 min (ft<sup>3</sup>/min) 1 min (ft<sup>3</sup>/min)

SKIN ANGLE =

YALPON BEACH FIA STUDY CPLE CANAL STUDY  
0.00 DEGREES

NORMAL X-SECTION

GROSS SECTION INPUT DATA

X	YB	CN	X	YB	CN	X	YB	CN
0.00	35.00	0.0300	100.00	27.00	0.0300	5495.00	27.00	0.0300
1.00	0.0300	8800.00	1.00	0.0300	8800.00	77.00	0.0300	
9800.00	27.00	0.0300	9900.00	35.00	0.0300			

Atl. Flows ARE  
 $F_i \times 10^6$  CFS  
 3' p2 HF

BETWEEN [FT MEL]

Average Q (CFS)

Flow for

Flow for

Flow for

1 HF (CFS x 10<sup>6</sup>)

0 - 1

30,390

7811  
 54.51

34.67

36.46

46.41 x 10<sup>6</sup> ft<sup>3</sup>

7011.1

1 - 2

34,250

116.34

61.65

41.1

7700

2 - 3

38,320

189.37

41.07

46.07

12312

3 - 4

42,670

262.17

46.83

51.2

174.98

4 - 5

47,230

347.11

51.2

51.08

23100

5 - 6

52,790

447.11

57.07

62.93

273.84

6 - 7

57,350

547.11

62.71

68.94

31200

7 - 8

62,910

647.11

72.14

74.78

43200

8 - 9

68,470

747.11

82.07

81.27

58000

9 - 10

74,030

847.11

92.91

88.58

66679

10 - 11

79,590

967.11

103.74

95.47

70200

11 - 12

85,150

1087.11

114.47

102.07

80921

YAUPON BEACH FIA STUDY CP-L CANAL STUDY  
CROSS SECTION EXCEEDS PLOTTING CAPACITY

SKWA ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 14.00 FEET *21.0' HGT*  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE # 45000.00 CFS

RESULTANT DATA  
 RESULTANT DATA

Y BEGINNING	X ENDING	MANNINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8547.50	8600.00	0.0300	341.25	54.09				
8600.00	8800.00	0.0300	2600.00	250.00				
8800.00	8852.50	0.0300	341.25	54.09				

SUB-SECTION TOTALS \* \* \* \* \* 3282.50 308.17 10.6515 789867.14 24977.79 7.61

TOTAL AREA = 3282.50 SQUARE FEET  
 TOTAL CONVEYANCE = 789867.14 CFS  
 TOTAL DISCHARGE = 24977.79 CFS

*9.61 28/10*

SKW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 15.00 FEET *0.0' TIDE*  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE # 45000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	MANINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8543.46	8600.00	0.0300	395.77	58.25				
8600.00	8800.00	0.0300	2800.00	200.00				
8600.00	8591.54	0.0300	395.77	58.25				
SUB-SECTION TOTALS			3591.54	316.49	11.3400	901520.65	28508.59	7.94

TOTAL AREA = 3591.54 SQUARE FEET  
 TOTAL CONVEYANCE = 901520.65 CFS  
 TOTAL DISCHARGE = 28508.59 CFS

*2/10* FOR 30 min. Total flow =  
*3/10* FOR 20 min. Total flow =

SKIN ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 15.00 FEET <sup>1.0' rise</sup>  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE = 45000.00 CFS

RESULTANT DATA

Y ELEVATION	X ENDING	WADINGS	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8539.42	8600.00	0.030	454.33	62.41				
8497.08	8800.00	0.0300	3000.00	200.00				
8200.88	8860.58	0.0300	454.33	62.41				
SECTION TOTALS			3908.65	324.81	12.0336	1020269.73	32263.76	8.25

TOTAL AREA = 3908.65 SQUARE FEET  
 TOTAL CONVEYANCE = 1020269.73 CFS  
 TOTAL DISCHARGE = 32263.76 CFS

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 17.00 FEET *2.0' high*  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE # 45000.00 CFS

RESULTANT DATA

X BEGINNING	X ENDING	SPANNING X	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8535.38	8600.00	0.0300	516.92	66.57				
8600.00	8600.00	0.0300	3200.00	200.00				
8600.00	8864.62	0.0300	516.92	66.57				
SUB-SECTION TOTALS			4233.85	333.13	12.7091	1146161.36	36244.80	8.56

TOTAL AREA = 4233.85 SQUARE FEET  
 TOTAL CONVEYANCE = 1146161.36 CFS  
 TOTAL DISCHARGE = 36244.80 CFS

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 11.00 FEET *5.0' msl*  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE # 45000.00 CFS

RESULTANT DATA

Y BEGINNING	X BEGINNING	WADINGS #	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8531.35	8600.00	0.0300	583.56	70.73				
8400.00	8800.00	0.0300	3400.00	200.00				
8800.00	8868.65	0.0300	583.56	70.73				

SUB-SECTION TOTALS \* \* \* \* \*  
 4567.12      341.45      13.3755      1279249.00      40453.41      8.86

TOTAL AREA = 4567.12 SQUARE FEET  
 TOTAL CONVEYANCE = 1279249.00 CFS  
 TOTAL DISCHARGE = 40453.41 CFS

*8.86*



SKW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 19.00 FEET <sup>4.0' P.S.B.</sup>  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE = 45000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	MANNINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8527.31	8600.00	0.0300	654.23	74.89				
8600.00	8800.00	0.0300	3600.00	200.00				
8800.00	8872.49	0.0300	654.23	74.89				
SUB-SECTION TOTALS			4908.46	349.78	14.0332	1419591.86	44891.44	9.15

TOTAL AREA = 4908.46 SQUARE FEET  
 TOTAL CONVEYANCE = 1419591.86 CFS  
 TOTAL DISCHARGE = 44891.44 CFS

*9.15*

INPUT DATA

STAGE ELEVATION = 19.02 FEET\*\*\*DESIGN STAGE\*\*\*  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE = 45000.00 CFS  
 SAFE ANGLE = 0.00 DEGREES

RESULTANT DATA

X BEGINNING	X ENDING	WAININGS	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8527.71	8600.00	0.0300	655.96	74.99				
8600.00	8600.00	0.0300	3604.76	200.00				
8600.00	8872.79	0.0300	655.96	74.99				

SUM-SECTION TOTALS \* \* \* \* \*  
 4916.68      349.97      14.0487      1423018.31      44999.79      9.15

TOTAL AREA = 4916.68 SQUARE FEET  
 TOTAL CONVEYANCE = 1423018.31 CFS  
 TOTAL DISCHARGE = 44999.79 CFS

SKW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 20.00 FEET *5.0 MSL.*  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE # 45000.00 CFS

RESULTANT DATA

X BEGINNING	X ENDING	BARINGS	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8523.27	8600.00	0.0300	728.94	79.05				
8600.00	8800.00	0.0300	3800.00	200.00				
8800.00	8876.73	0.0300	728.94	79.05				
SUB-SECTION TOTALS			5257.88	358.10	14.6829	1567253.10	49560.89	9.43

TOTAL AREA = 5257.88 SQUARE FEET  
 TOTAL CONVEYANCE = 1567253.10 CFS  
 TOTAL DISCHARGE = 49560.89 CFS

*1.13 4.1*  
*70*

SKW ANGLE = 0.00 DEGREES  
 SKW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 21.00 FEET *6.0' ASL*  
 SLOPE OF RIVER = 0.001000 FEET PER FOOT  
 DESIGN DISCHARGE = 45000.00 CFS

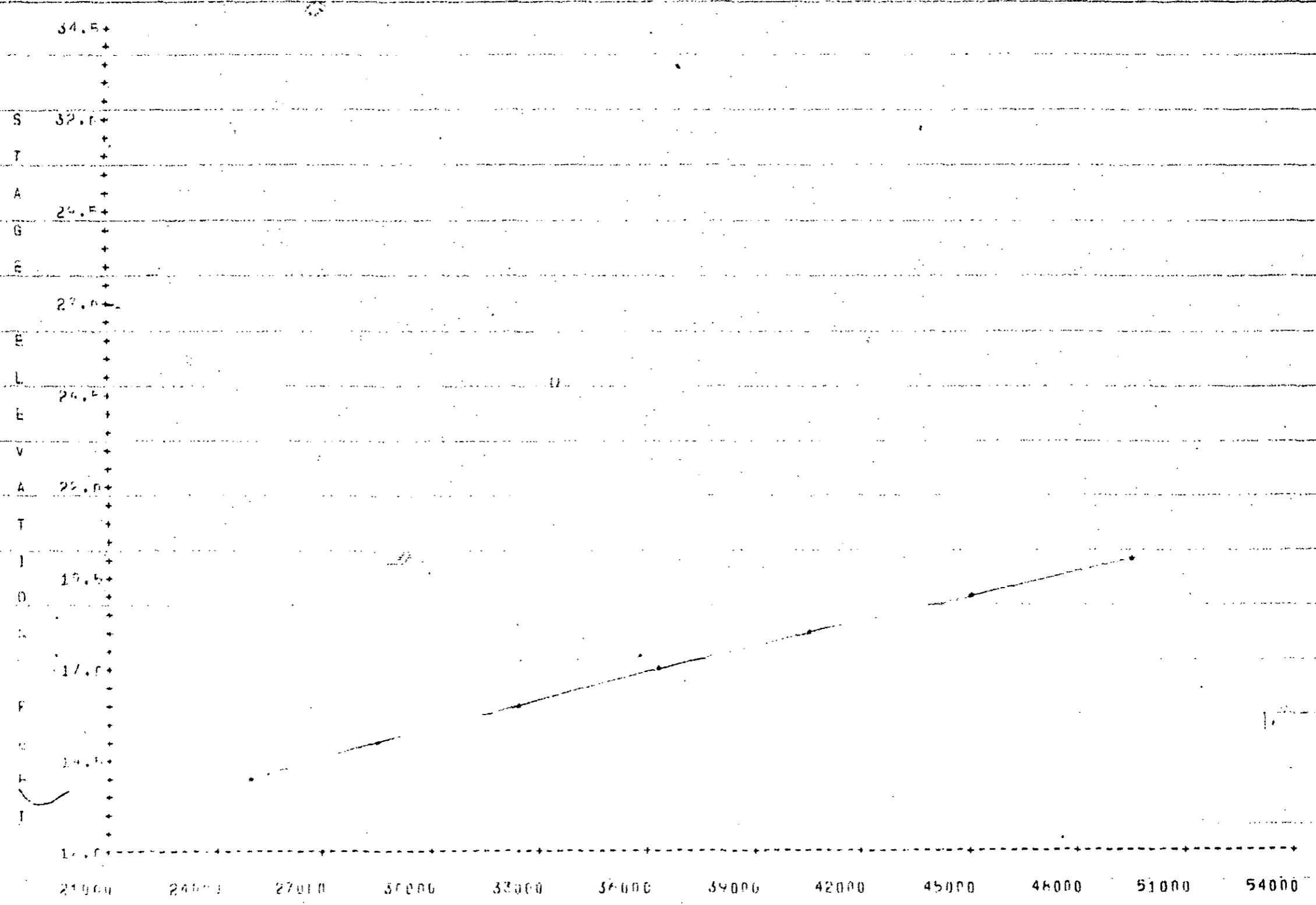
RESULTANT DATA

Y BEGINNING	X ENDING	MANNINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8519.23	8600.00	0.0300	807.69	83.21				
8600.00	8801.00	0.0300	4000.00	200.00				
8800.00	8880.77	0.0300	807.69	83.21				

SUB-SECTION TOTALS \* \* \* \* \*  
 2615.36      366.42      15.3251      1722299.93      54463.91      9.70

TOTAL AREA = 2615.36 SQUARE FEET  
 TOTAL CONVEYANCE = 1722299.93 CFS  
 TOTAL DISCHARGE = 54463.91 CFS

YAUPON REACH FIA STUDY GRILL CANAL STUDY  
 SKEW ANGLE = 0.00 DEGREES



JOHN CORLETT

DISCHARGE (CFS)

SKE. ANGLE

YAUPON BEACH FIA STUDY CUL. CANAL STUDY  
0.00 DEGREES

NORMAL X-SECTION

CROSS SECTION INPUT DATA

X	Y6	CN	X	Y6	CN	X	Y6	CN
0.00	27.00	0.0300	8475.00	27.00	0.0300	8600.00	1.00	0.0300
8100.00	1.00	0.0300	8905.00	27.00	0.0300	8900.00	27.00	0.0300

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YADON BEACH FIRE STUDY - 1961 - 1962 STUDY  
CROSS SECTION - EXPOSURE - PHOTOGRAPHIC COPY

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 14.70 FEET  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 3000.00 CFS

RESULTANT DATA

X BEGINNING	X ENDING	CARRYING B	AREA	WATER PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
6547.50	8500.00	0.0300	341.25	54.09				
8500.00	8500.00	0.0300	2600.00	200.00				
8500.00	8552.50	0.0300	341.25	54.09				
SUBSECTION TOTALS			3282.50	308.17	10.6515	78987.14	789.87	0.24

TOTAL AREA = 3282.50 SQUARE FEET  
 TOTAL CONVEYANCE = 78987.14 CFS  
 TOTAL DISCHARGE = 789.87 CFS



SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 15.00 FEET 0 1/2  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	WASTINGS X	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8543.48	8600.00	0.0300	395.77	58.25				
8600.00	8600.00	0.0300	2800.00	200.00				
8600.00	8656.54	0.0300	395.77	58.25				
SUB-SECTION TOTALS * * * * *			3591.54	316.49	11.3480	901520.65	901.52	0.25

TOTAL AREA = 3591.54 SQUARE FEET  
 TOTAL CONVEYANCE = 901520.65 CFS  
 TOTAL DISCHARGE = 901.52 CFS

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 16.00 FEET *1 MSL*  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	MANNINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8539.42	8600.00	0.0300	454.33	62.41				
8600.00	8800.00	0.0300	3000.00	200.00				
8800.00	8860.55	0.0300	454.33	62.41				
SUM-SECTION TOTALS			3908.65	324.81	12.0336	1020269.73	1020.27	0.26

TOTAL AREA = 3908.65 SQUARE FEET  
 TOTAL CONVEYANCE = 1020269.73 CFS  
 TOTAL DISCHARGE = 1020.27 CFS

SLOPE ANGLE = 0.00 DEGREES

INPUT DATA

STAGE VELOCITY = 10.00 FEET  
 SLOPE OF GIVER = 0.00001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

Y BEGINS IN	X BEGINS	WADINGS	AREA	DEPTH PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8535.38	8600.00	0.0300	516.92	66.57				
8602.00	8800.00	0.0300	3200.00	200.00				
8800.00	8864.42	0.0300	516.92	66.57				
SUB-TOTAL TOTALS			4233.85	333.15	12.7091	1146161.36	1146.16	6.22

TOTAL AREA = 4233.85 SQUARE FEET  
 TOTAL CONVEYANCE = 1146161.36 CFS  
 TOTAL DISCHARGE = 1146.16 CFS

YALPOO DESIGN FOR STUDY OF CANAL STUDY

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 14.00 FEET  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIRE DISCHARGE = 30000.00 CFS

SECTION DATA

SECTION NO	X BEGINNING	X ENDING	WANNINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
	8531.33	8600.00	0.0300	583.56	70.73				
	8600.00	8668.67	0.0300	583.56	70.73				
	8668.67	8737.33	0.0300	583.56	70.73				
SUB-SECTION TOTALS				4567.12	341.45	13.3755	1279249.09	1279.25	0.28

TOTAL AREA = 4567.12 SQUARE FEET  
 TOTAL CONVEYANCE = 1279249.09 CFS  
 TOTAL DISCHARGE = 1279.25 CFS

SKEN ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 10.00 FEET  
 SLOPE OF RIVER = 1.0000001 FEET PER FOOT  
 DESIGN DISCHARGE # 30000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	WADINGS	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8527.31	8600.00	0.0300	654.23	74.89				
8600.00	8700.00	0.0300	3000.00	200.00				
8700.00	8772.69	0.0300	654.23	74.89				

SUB-SECTION TOTALS \* \* \* \* \* 4908.46 349.78 14.0332 1419591.86 1419.59 0.29

TOTAL AREA = 4908.46 SQUARE FEET  
 TOTAL CONVEYANCE = 1419591.86 CFS  
 TOTAL DISCHARGE = 1419.59 CFS

YAUPOI BEACH FILL STUDY - LI CANAL STUDY

SLOPE ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 20.00 FEET <sup>5' ANGLE</sup>  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

Y POSITION	Z ELEV	CHANNELS	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8523.27	8500.00	0.0300	728.94	79.05				
8500.00	8500.00	0.0301	3000.00	200.00				
8500.00	8577.73	0.0300	728.94	79.05				
SUBSECTION TOTAL			5257.88	358.10	14.6829	1567253.10	1567.25	0.30

TOTAL AREA = 5257.88 SQUARE FEET  
 TOTAL CONVEYANCE = 1567253.10 CFS  
 TOTAL DISCHARGE = 1567.25 CFS

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 21.00 FEET  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE # 10000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	MANINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8519.23	5600.00	0.0300	807.69	83.21				
6600.00	5800.00	0.0300	4600.00	200.00				
8800.00	5880.77	0.0300	807.69	83.21				
SUB-SECTION TOTALS			5615.38	366.42	15.3251	1722299.93	1722.30	0.31

TOTAL AREA = 5615.38 SQUARE FEET  
 TOTAL CONVEYANCE = 1722299.93 CFS  
 TOTAL DISCHARGE = 1722.30 CFS

*P* = .001

*Q* = 54,484 CFS

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 22.00 FEET *7' 10 1/2"*  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT AREA

SECTION	X POINT	WATERSHED	AREA	WATERSHED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8515.19	8600.00	0.0300	890.40	87.57				
8600.00	8700.00	1.0300	4200.00	200.00				
8700.00	8800.00	1.0300	890.40	87.57				

SUB-SECTION TOTALS . . . . . 5980.96 374.74 15.9604 1884802.57 1884.80 0.32

TOTAL AREA = 5980.96 SQUARE FEET  
 TOTAL CONVEYANCE = 1884802.57 CFS  
 TOTAL DISCHARGE = 1884.80 CFS

*At 5000' G = 97.642*



SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 23.00 FEET @ 1950  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

Y BOUNDING	X BOUNDING	WATERWAY W	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8511.15	8600.50	0.0300	977.31	91.53				
8600.00	8800.00	0.0300	4400.00	200.00				
8800.00	8880.65	0.0300	977.31	91.53				
SUB-SECTION TOTALS			6354.62	383.06	16.5891	2054833.84	2054.83	0.32

TOTAL AREA = 6354.62 SQUARE FEET  
 TOTAL CONVEYANCE = 2054833.84 CFS  
 TOTAL DISCHARGE = 2054.83 CFS

@ 37.00' @ 64,720 CFS

SKEW ANGLE = 3.00 DEGREES

INPUT DATA

STAGE ELEVATION = 24.00 FEET *9' rise*  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	DRAINAGE IN	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
3507.12	8600.00	0.0300	1068.17	95.69				
0610.00	8800.00	0.0300	4600.00	200.00				
8000.00	8892.88	0.0300	1068.17	95.69				
SUB-SECTION TOTALS			6736.35	391.38	17.2118	2232468.73	2232.47	0.33

TOTAL AREA = 6736.35 SQUARE FEET  
 TOTAL CONVEYANCE = 2232468.73 CFS  
 TOTAL DISCHARGE = 2232.47 CFS

*Q = 51,001      Q = 70,621 CFS*

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 25.00 FEET *10' MSL*  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

X BEGINNING	X ENDING	MANNINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8503.06	8600.00	0.0300	1163.08	99.85				
8600.00	8500.00	0.0300	4860.00	200.00				
8800.00	8726.92	0.0300	1163.08	99.85				
SUB-SECTION TOTALS			7126.15	399.70	17.8287	2417784.05	2417.78	0.34

TOTAL AREA = 7126.15 SQUARE FEET  
 TOTAL CONVEYANCE = 2417784.05 CFS  
 TOTAL DISCHARGE = 2417.78 CFS

*@ 5:00 PM Q = 26,506 cfs*

SKEN ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 26.00 FEET *11' msl.*  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE # 30000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	MANNINGS N	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8499.04	8600.00	0.0300	1262.02	104.01				
8600.00	8800.00	0.0300	5000.00	200.00				
8800.00	8900.96	0.0300	1262.02	104.01				
SUB-SECTION TOTALS * * * * *			7524.04	408.02	18.4403	2610858.14	2610.86	0.35

TOTAL AREA = 7524.04 SQUARE FEET  
 TOTAL CONVEYANCE = 2610858.14 CFS  
 TOTAL DISCHARGE = 2610.86 CFS

*Q = 30,000*      *Q = 82,613*

SKEW ANGLE = 0.00 DEGREES

INPUT DATA

STAGE ELEVATION = 27.00 FEET *of 12' from*  
 SLOPE OF RIVER = 0.000001 FEET PER FOOT  
 DESIGN DISCHARGE = 30000.00 CFS

RESULTANT DATA

Y BEGINNING	X ENDING	NANNINGS n	AREA	WETTED PER	HYD. RADIUS	CONVEYANCE	DISCHARGE	VELOCITY
8495.00	8600.00	0.0300	1365.00	108.17				
8600.00	8800.00	0.0300	5200.00	200.00				
8800.00	8905.00	0.0300	1365.00	108.17				
SUB-SECTION TOTALS * * * * *			7930.00	1411.34	19.0468	2811770.65	2811.77	0.35

TOTAL AREA = 7930.00 SQUARE FEET  
 TOTAL CONVEYANCE = 2811770.65 CFS  
 TOTAL DISCHARGE = 2811.77 CFS  
 INSUFFICIENT GROUND DATA ON THE LEFT AT  
 GROUND DATA, x = 0.00 YG = 27.00 STAGE ELEVATION = 28.00

*(1 5.000) 17 = 88 252*