

SOUTH PRONG

TO

BAY RIVER









2

THIS RUN EXECUTED 04 APR 83 09:52.42

\*\*\*\*\*  
 HICO RELEASE DATED NOV 75 (UPDATED MARC 1982)  
 SPINX CORR = 01,07,07,04,00  
 MULTIPLIER = 00,01,02,03,04,05  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

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SUMMARY PAYMENT TABLE 100

SECH	PLCH	ELTFO	ELLC	ELAIN	G	CHSEL	CTWS	EG	10K+S	VCH	AREA	.01V
0.	0.	0.	0.	-9.70	1590.00	.79	-7.38	.80	.59	.62	2640.42	2075.60
0.	0.	0.	0.	-9.70	2985.00	1.70	-6.47	1.72	1.30	1.01	3132.58	2622.47
0.	0.	0.	0.	-9.70	3797.00	2.23	-6.05	2.25	1.62	1.19	3570.97	2785.25
0.	0.	0.	0.	-9.70	6213.00	3.69	-4.95	3.73	2.29	1.59	5266.32	4156.32
1.100	1200.00	0.	0.	-14.20	1161.00	.90	-8.94	.92	1.64	1.18	983.01	905.27
1.100	1200.00	0.	0.	-14.20	2221.00	1.94	-7.43	2.00	3.09	1.57	1254.06	1126.66
1.100	1200.00	0.	0.	-14.20	2840.00	2.53	-6.72	2.61	4.51	2.31	1708.14	1285.53
1.100	1200.00	0.	0.	-14.20	4738.00	4.10	-4.96	4.22	6.44	2.75	3254.08	1767.66
1.200	100.00	0.	0.	-12.00	1161.00	.91	-8.36	.94	2.17	1.30	696.42	788.36
1.200	100.00	0.	0.	-12.00	2221.00	1.93	-6.84	2.05	5.53	2.13	1042.31	944.08
1.200	100.00	0.	0.	-12.00	2840.00	2.52	-6.15	2.60	7.16	2.51	1129.93	1061.52
1.200	100.00	0.	0.	-12.00	4738.00	4.15	-4.42	4.34	11.17	3.46	1376.41	1417.72
1.300	36.00	6.17	7.99	-12.00	1161.00	.92	0.	.94	2.14	1.29	697.51	789.79
1.300	36.00	6.17	7.99	-12.00	2221.00	1.93	0.	2.06	5.50	2.13	1044.52	947.06
1.300	36.00	6.17	7.99	-12.00	2840.00	2.52	0.	2.65	7.16	2.51	1132.91	1065.69
1.300	36.00	6.17	7.99	-12.00	4738.00	4.17	0.	4.36	11.67	3.45	1374.60	1424.23
1.400	50.00	0.	0.	-12.00	1161.00	.92	-6.75	.97	3.96	1.64	709.03	583.15
1.400	50.00	0.	0.	-12.00	2221.00	2.01	-5.12	2.11	9.62	2.64	640.17	715.26
1.400	50.00	0.	0.	-12.00	2840.00	2.61	-4.52	2.76	12.17	3.09	919.71	814.00
1.400	50.00	0.	0.	-12.00	4738.00	4.20	-2.71	4.47	17.22	4.17	1294.75	1141.88
*100	1100.00	0.	0.	-12.50	1161.00	1.46	-6.01	1.53	6.25	2.12	671.40	464.27
*100	1100.00	0.	0.	-12.50	2221.00	3.06	-4.13	3.10	7.95	2.74	2051.42	787.46
*100	1100.00	0.	0.	-12.50	2840.00	3.76	-3.20	3.85	7.78	2.86	2821.03	1018.02
*100	1100.00	0.	0.	-12.50	4738.00	5.51	-1.03	5.71	7.24	3.14	4873.45	1760.90
1.000	90.00	0.	0.	-10.50	1136.00	1.87	-5.02	1.89	2.91	1.33	1129.93	666.59
1.000	90.00	0.	0.	-10.50	2179.00	3.50	-2.94	3.53	3.52	1.58	2739.91	1160.73
1.000	90.00	0.	0.	-10.50	2777.00	4.25	-2.45	4.25	3.65	1.88	3526.08	1460.25
1.000	90.00	0.	0.	-10.50	4557.00	6.09	-1.17	6.13	3.80	1.90	5643.10	2370.71

SECT.	FLOR	ELFD	LEED	LEVIN		LESL	CHAS	ES	TKAS	VCH	AREA	.01K
2.001	100.00	0.	0.	-3.75	1177.00	1.97	-4.40	2.03	5.69	2.02	1035.01	477.10
2.002	100.00	0.	0.	-3.75	2177.00	3.61	-2.70	3.68	5.93	2.39	2680.17	894.62
2.003	100.00	0.	0.	-3.75	2788.00	4.37	-2.00	4.43	5.76	2.50	3531.47	1159.25
2.004	100.00	0.	0.	-3.75	4557.00	6.26	-.10	5.26	5.47	2.74	5405.63	2000.09
2.005	1100.00	0.	0.	-8.70	971.00	2.75	-5.00	2.79	2.66	1.87	1234.44	595.85
2.006	2100.00	0.	0.	-8.70	1476.00	4.50	-3.50	4.54	3.18	1.95	2953.88	1052.03
2.007	2100.00	0.	0.	-8.70	2498.00	5.26	-2.50	5.31	3.32	2.10	3759.49	1322.41
2.008	2100.00	0.	0.	-8.70	4052.00	7.11	-.95	7.16	3.55	2.41	6016.41	2150.10
5.100	100.00	0.	0.	-6.50	971.00	3.36	-4.00	3.41	4.06	1.86	1061.29	481.25
5.101	100.00	0.	0.	-4.50	1476.00	5.19	-2.21	5.24	4.34	2.21	2891.40	900.13
5.102	100.00	0.	0.	-3.50	2498.00	5.95	-1.31	6.00	4.09	2.25	4112.39	1191.78
5.103	100.00	1.	0.	-4.50	4052.00	7.78	.61	7.82	3.50	2.32	7309.01	2165.38
5.200	100.00	0.	0.	-6.30	971.00	3.41	-3.00	3.45	3.49	1.75	948.65	519.36
5.201	100.00	0.	0.	-6.30	1976.00	5.24	-1.66	5.29	3.54	2.04	2915.31	997.55
5.202	100.00	0.	0.	-6.30	2498.00	5.99	-1.00	6.04	3.52	2.14	3915.06	1283.48
5.203	100.00	0.	0.	-6.30	4052.00	7.81	.50	7.86	3.35	2.34	6253.14	2114.72
5.300	10.00	2.80	3.93	-6.30	971.00	3.43	0.	3.48	3.41	1.74	917.00	525.61
5.301	10.00	2.90	3.93	-6.30	1976.00	5.25	0.	5.29	3.49	2.03	2938.84	1004.13
5.302	10.00	2.80	3.93	-6.30	2498.00	6.00	0.	6.04	3.50	2.14	3929.18	1287.61
5.303	10.00	2.88	3.93	-6.30	4052.00	7.83	0.	7.87	3.33	2.33	6912.55	2221.18
5.400	50.00	0.	0.	-6.30	971.00	3.43	-1.86	3.55	13.82	2.82	343.84	261.15
5.401	50.00	0.	0.	-6.30	1476.00	5.20	-.03	5.42	19.29	3.94	640.00	427.19
5.402	50.00	0.	0.	-6.30	2498.00	5.95	.92	6.18	19.36	4.20	1327.30	547.32
5.403	50.00	0.	0.	-6.30	4052.00	7.80	2.77	7.97	14.97	4.21	3536.41	1047.35
3.100	1000.00	0.	0.	-4.30	971.00	4.26	-.49	4.28	2.42	1.30	2898.04	124.07
3.101	1000.00	0.	0.	-4.30	1876.00	5.98	.93	5.99	1.74	1.29	6501.53	1421.74
3.102	1000.00	0.	0.	-4.30	2408.00	6.69	2.25	6.70	1.60	1.30	8317.39	1906.00
3.103	1000.00	0.	0.	-4.30	4052.00	8.40	3.00	8.41	1.40	1.37	13328.68	3424.84
3.000	1400.00	0.	0.	-5.90	971.00	4.56	-1.46	4.56	1.73	.57	2180.08	738.17
3.001	1400.00	0.	0.	-5.90	1476.00	6.26	-.17	6.27	2.25	.72	3459.64	1249.56
3.002	1400.00	0.	0.	-5.90	2408.00	6.95	.43	6.98	2.51	.80	4238.47	1520.59
3.003	1400.00	0.	0.	-5.90	4052.00	8.68	2.11	8.69	2.84	.93	7232.13	2403.76
3.200	700.00	0.	0.	-4.30	971.00	4.72	-.49	4.75	3.02	1.51	1881.42	559.18
3.201	700.00	0.	0.	-4.30	1476.00	6.43	.95	6.45	2.82	1.70	4191.01	1116.60
3.202	700.00	0.	0.	-4.30	2408.00	7.15	2.13	7.17	2.78	1.75	5338.51	1444.28
3.203	700.00	0.	0.	-4.30	4052.00	8.86	3.12	8.88	2.73	1.97	8480.58	2451.17
4.000	1300.00	0.	0.	-3.30	971.00	5.05	1.15	5.06	1.93	1.14	3721.46	699.05
4.001	1300.00	0.	0.	-3.30	1476.00	6.72	2.71	6.72	1.58	1.20	6770.79	1491.51
4.002	1300.00	0.	0.	-3.30	2408.00	7.43	2.93	7.43	1.55	1.26	8258.93	1935.53
4.003	1300.00	0.	0.	-3.30	4052.00	9.14	3.54	9.14	1.54	1.41	12269.31	3267.73



SPC	AREA	PERC	CELL	DEPTH		UNIT	CHIC	FD	I.K.S	VCH	AREA	JOIF
6.100	4240.00	0.	0.	-3.20	429.00	6.57	1.21	6.62	6.18	2.26	1197.52	333.46
6.101	4240.00	0.	0.	-3.20	1215.00	8.16	2.94	8.22	6.74	2.67	2314.34	622.41
6.102	4240.00	0.	0.	-3.20	2680.00	8.56	4.21	8.91	6.64	2.78	3143.64	806.58
6.103	4240.00	0.	0.	-3.20	3527.00	10.44	6.32	10.48	5.25	2.75	7439.67	1925.35
6.200	100.00	0.	0.	-2.20	429.00	6.64	1.95	6.69	6.56	2.05	1249.03	323.70
6.201	100.00	0.	0.	-2.20	1615.00	8.25	3.77	8.29	6.05	2.29	2704.33	656.85
6.202	100.00	0.	0.	-2.20	2680.00	8.94	4.44	8.98	5.66	2.54	3735.92	874.58
6.203	100.00	0.	0.	-2.20	3527.00	10.51	6.40	10.53	4.40	2.30	6247.90	1660.52
6.300	20.30	5.20	4.31	-2.20	429.00	6.61	6.60	7.00	1301.92	6.11	363.50	22.46
6.301	20.30	5.20	4.78	-2.20	1615.00	8.26	0.	8.30	6.01	2.28	2714.73	659.64
6.302	20.30	5.20	4.78	-2.20	2680.00	1.95	0.	8.99	5.63	2.33	3747.04	876.54
6.303	20.30	5.20	4.94	-2.20	3527.00	10.51	0.	10.54	4.34	2.30	6267.05	1683.72
6.400	50.00	0.	0.	-3.20	429.00	7.05	1.22	7.09	4.10	1.92	1456.13	409.27
6.401	50.00	0.	0.	-3.20	1615.00	8.28	2.95	8.33	6.13	2.57	2451.13	652.81
6.402	50.00	0.	0.	-3.20	2680.00	8.97	4.15	9.02	6.06	2.66	3370.00	845.66
6.403	50.00	0.	0.	-3.20	3527.00	10.53	6.37	10.56	4.89	2.64	7885.92	1995.53
6.000	1970.00	0.	0.	-0.70	429.00	7.41	3.80	7.41	1.05	.82	3944.32	805.54
6.001	1970.00	0.	0.	-0.70	1615.00	8.78	4.42	8.78	1.45	1.10	5572.27	1340.33
6.002	1970.00	0.	0.	-0.70	2680.00	9.48	4.61	9.49	1.56	1.20	6466.31	1667.60
6.003	1970.00	0.	0.	-0.70	3527.00	11.06	5.17	11.07	1.92	1.50	8748.71	2244.61
7.000	3200.00	0.	0.	-0.30	411.00	7.57	2.89	7.57	.32	.45	4596.82	731.21
7.001	3200.00	0.	0.	-0.30	331.00	8.95	5.26	8.95	.33	.52	7442.53	1456.65
7.002	3200.00	0.	0.	-0.30	1085.00	9.66	5.41	9.66	.32	.55	2958.02	1916.52
7.003	3200.00	0.	0.	-0.30	1905.00	11.25	5.71	11.25	.35	.64	12905.19	3224.62

AN

## SUMMARY PRINTOUT TABLE 100

SECT		DFBFL	DFASP	DFASX	DFKAS	TOT+ID	ALCR
0.	1870.00	.77	0.	0.	0.	441.46	0.
0.	2748.00	1.70	.91	0.	0.	609.75	0.
0.	3797.00	2.23	.53	0.	0.	925.39	0.
0.	5083.00	2.67	1.46	0.	0.	1451.46	0.
1.100	1161.00	.92	0.	.11	0.	132.00	1200.00
1.100	2221.00	1.99	1.04	.24	0.	564.11	1200.00
1.100	2740.00	2.53	.55	.30	0.	843.09	1200.00
1.100	4778.00	4.10	1.57	.41	0.	1108.24	1200.00
1.200	1161.00	.91	0.	.02	0.	130.34	100.00
1.200	2221.00	1.95	1.07	.04	0.	145.11	100.00
1.200	2740.00	2.54	.60	.05	0.	148.61	100.00
1.200	4738.00	4.15	1.57	.05	0.	155.67	100.00
1.300	1161.00	.92	0.	.00	0.	130.38	36.50
1.300	2221.00	1.97	1.07	.01	0.	145.21	36.50
1.300	2740.00	2.52	.60	.01	0.	148.94	36.50
1.300	4738.00	4.17	1.55	.02	0.	155.78	36.50
1.400	1161.00	.92	0.	.01	0.	113.91	50.00
1.400	2221.00	2.01	1.09	.02	0.	128.19	50.00
1.400	2740.00	2.61	.60	.02	0.	132.00	50.00
1.400	4738.00	4.23	1.57	.03	0.	129.15	50.00
.100	1161.00	1.44	0.	.53	0.	436.20	1100.00
.100	2221.00	3.03	1.59	.99	0.	986.37	1100.00
.100	2740.00	3.78	.76	1.15	0.	1042.70	1100.00
.100	4738.00	5.61	1.55	1.41	0.	1193.73	1100.00
1.000	1159.00	1.87	0.	.41	0.	697.11	900.00
1.000	2177.00	3.53	1.53	.50	0.	1012.27	900.00
1.000	2735.00	4.15	.75	.50	0.	1076.00	900.00
1.000	4657.00	6.07	1.64	.47	0.	1231.32	900.00
.200	1159.00	1.87	0.	.11	0.	924.76	300.00
.200	2177.00	3.51	1.59	.11	0.	1092.48	300.00
.200	2735.00	4.37	.75	.11	0.	1109.86	300.00
.200	4657.00	6.20	1.63	.11	0.	1292.65	300.00
2.000	771.00	2.75	0.	.78	0.	767.76	2100.00
2.000	1578.00	4.53	1.74	.83	0.	1023.13	2100.00
2.000	2308.00	5.25	.77	.80	0.	1077.62	2100.00
2.000	4552.00	7.11	1.95	.91	0.	1521.16	2100.00

SECNO	Z	CWSEL	DIFWSP	DIFWSX	DIFWVS	TOPWID	XLCH
5.100	371.00	3.36	0.	.61	0.	644.93	1900.00
5.100	1376.00	5.19	1.82	.69	0.	1536.02	1900.00
5.100	2408.00	5.95	.76	.69	0.	1654.62	1900.00
5.100	4052.00	7.75	1.83	.67	0.	1901.32	1900.00
5.200	371.00	3.41	0.	.04	0.	513.28	100.00
5.200	1376.00	5.24	1.83	.05	0.	1212.25	100.00
5.200	2408.00	5.93	.76	.04	0.	1409.39	100.00
5.200	4052.00	7.81	1.82	.03	0.	1829.80	100.00
5.300	371.00	3.43	0.	.03	0.	516.53	18.00
5.300	1376.00	5.25	1.91	.01	0.	1217.26	18.00
5.300	2408.00	6.00	.75	.01	0.	1411.98	18.00
5.300	4052.00	7.83	1.83	.01	0.	1632.09	16.00
5.400	371.00	3.43	0.	-.01	0.	58.00	50.00
5.400	1376.00	5.20	1.77	-.05	0.	569.60	50.00
5.400	2408.00	5.95	.75	-.05	0.	749.67	50.00
5.400	4052.00	7.80	1.85	-.03	0.	1607.06	50.00
3.100	371.00	4.26	0.	.83	0.	1565.38	1800.00
3.100	1376.00	5.33	1.72	.78	0.	2438.18	1800.00
3.100	2408.00	6.69	.71	.75	0.	2661.78	1800.00
3.100	4052.00	8.40	1.71	.61	0.	3198.77	1800.00
3.000	371.00	4.56	0.	.30	0.	655.06	1400.00
3.000	1376.00	6.26	1.70	.28	0.	915.93	1400.00
3.000	2408.00	6.38	.71	.28	0.	1287.47	1400.00
3.000	4052.00	8.68	1.71	.28	0.	2213.24	1400.00
3.200	371.00	4.72	0.	.16	0.	1063.77	796.00
3.200	1376.00	6.43	1.71	.17	0.	1527.71	796.00
3.200	2408.00	7.15	.72	.17	0.	1667.07	796.00
3.200	4052.00	8.86	1.71	.18	0.	1999.57	796.00
4.000	371.00	5.05	0.	.33	0.	1629.45	1398.00
4.000	1376.00	6.72	1.66	.25	0.	2015.49	1398.00
4.000	2408.00	7.43	.71	.26	0.	2166.00	1398.00
4.000	4052.00	9.14	1.71	.27	0.	2527.36	1398.00
6.100	329.00	6.57	0.	1.51	0.	583.84	4240.00
6.100	1616.00	8.16	1.60	1.45	0.	1023.92	4240.00
6.100	2090.00	8.86	.69	1.43	0.	1476.76	4240.00
6.100	3527.00	10.44	1.59	1.31	0.	4913.37	4240.00
6.200	329.00	6.64	0.	.88	0.	623.52	100.00
6.200	1616.00	8.25	1.61	.89	0.	1307.75	100.00
6.200	2090.00	8.94	.69	.88	0.	1669.43	100.00
6.200	3527.00	10.51	1.56	.85	0.	4936.73	100.00

SECNO	G	CJSEL	DIFNSP	DIFNSK	DIFKJS	TOPWID	XLCH
6.300	929.00	6.21	0.	.16	0.	637.98	25.30
6.300	1516.00	4.25	1.45	.01	0.	1311.99	25.30
6.300	2080.00	9.95	.69	.01	0.	1672.91	25.30
6.300	3527.00	10.51	1.56	.00	0.	4938.22	25.30
6.400	529.00	7.05	0.	.25	0.	619.95	50.00
6.400	1516.00	8.23	1.23	.02	0.	1107.53	50.00
6.400	2080.00	9.97	.69	.02	0.	1556.79	50.00
6.400	3527.00	10.53	1.56	.02	0.	4949.29	50.00
6.000	929.00	7.41	0.	.35	0.	1163.68	1970.00
6.000	1516.00	8.78	1.37	.49	0.	1240.89	1970.00
6.000	2080.00	9.49	.71	.51	0.	1284.32	1970.00
6.000	3527.00	11.05	1.58	.53	0.	1914.97	1970.00
7.000	411.00	7.57	0.	.16	0.	1960.95	3200.00
7.000	931.00	9.95	1.38	.17	0.	2153.68	3200.00
7.000	1086.00	9.66	.71	.17	0.	2252.06	3200.00
7.000	1905.00	11.25	1.60	.19	0.	2712.59	3200.00

## FLOOD INSURANCE ZONE DATA FOR 49

## FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND		
		10	2	0.2
0.	0.	-1.44	-.53	1.46
1.100	1200.	-1.53	-.59	1.57
1.200	1300.	-1.66	-.60	1.57
1.300	1337.	-1.67	-.60	1.58
1.400	1387.	-1.69	-.60	1.59
1.500	2487.	-2.30	-.76	1.86
1.600	3387.	-2.39	-.75	1.84
1.700	3687.	-2.39	-.75	1.83
2.000	5787.	-2.51	-.77	1.85
5.100	7687.	-2.59	-.76	1.83
5.200	7787.	-2.59	-.75	1.82
5.300	7805.	-2.57	-.75	1.83
5.400	7355.	-2.52	-.75	1.85
3.100	9655.	-2.43	-.71	1.71
3.000	11055.	-2.42	-.71	1.71
3.200	11951.	-2.43	-.72	1.71
4.000	13249.	-2.37	-.71	1.71
6.100	17489.	-2.29	-.69	1.59
6.200	17589.	-2.30	-.69	1.56
6.300	17614.	-2.14	-.69	1.56
6.400	17664.	-1.92	-.69	1.56
6.000	19634.	-2.07	-.71	1.58
7.000	22934.	-2.09	-.71	1.60
WEIGHTED AVG FOR REACH		-2.26	-.71	1.69

Section 1.700  
1.800  
1.900  
2.000  
2.100  
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6.600  
6.700  
6.800  
6.900  
7.000

FHF FOR THE REACH = 0.25 WITH 100.0 PERCENT OF THE REACH WITHIN 1.0 FEET ZONE FOR THE REACH = A 5

FLOODWAY DATA, FLOOD  
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	WATER SURFACE ELEVATION			
			MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
0.	426.	3564.	1.1	3.2	2.2	1.0
1.100	132.	13194	2.2	3.4	2.5	.9
1.200	153.	12694	2.2	3.5	2.6	.9
1.300	153.	12594	2.2	3.6	2.6	1.0
1.400	132.	10514	2.7	3.6	2.6	1.0
1.500	313.	15134	1.9	4.6	3.8	.8
1.600	237.	16274	1.7	5.2	4.3	.9
1.700	442.	21854	1.3	5.3	4.4	.9
2.000	441.	25264	1.0	6.2	5.3	.9
3.100	479.	25524	.9	6.9	6.0	.9
3.200	431.	24424	1.0	6.9	6.0	.9
3.300	430.	24454	1.0	6.9	6.0	.9
3.400	53.	5434	4.4	6.8	5.9	.9
3.100	940.	57744	.4	7.7	6.7	1.0
3.000	760.	40974	.6	8.0	7.0	1.0
3.200	729.	33414	.6	8.2	7.2	1.0
4.000	1002.	63894	.4	8.4	7.4	1.0
6.100	375.	21714	1.0	9.9	8.9	1.0
6.200	431.	25244	.8	9.9	8.9	1.0
6.300	493.	25334	.8	10.0	9.0	1.0
6.400	410.	23094	.9	10.0	9.0	1.0
6.000	756.	53504	.4	10.5	9.5	1.0
7.000	1246.	72334	.1	10.7	9.7	1.0