

SNUMB = 6987T, ACTIVITY # = 01, REPORT CODE = 52, RECORD COUNT = 001410

26
5000

① DISCHARGES CHANGED TO REFLECT ROUTING OF STREAM 27.
② SEC'S 5760, 5700, & 6000 ADDED 5700 BEING AN AV. SEC. BET. 5600 & 6150 ADJ. TO TYP.

T1 GUILFORD CO; FIA STUDY *10YR FREQUENCY FLOOD*
T2 STREAM NO 26 TRIBUTARY 2-DEEP RIVER
T3 PROGRAM 722-02Z LWR FEB 1977

	IOHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1.	6.	0.	0.	0,006000	0.	0.	0.	718,000	0.
	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1,000	0.	-1,000	0.	0.	0.	0.	0.	0.	0.
J3 VARIABLE CODES FOR SUMMARY PRINTOUT										
	38,000	1,000	3,000	42,000	41,000	0.	38,000	1,000	13,000	14,000
	15,000	55,000	26,000	56,000	0.	150,000	201,000	0.	0.	0.
NC	0,120	0,120	0,060	0,200	0,400	0.	0.	0.	0.	0.
QT	7,000	1540,000	1540,000	1540,000	1540,000	1000,000	1475,000	2850,000	0.	0.
ET	0.	0.	10,400	0.	0.	0.	0.	0.	0.	0.
X1	100,000	22,000	580,000	602,000	0	0.	0.	0.	0.	0.
GR	760,000	0.	750,000	65,000	740,000	120,000	736,000	160,000	730,000	230,000
GR	726,000	290,000	724,000	320,000	722,000	440,000	720,000	520,000	718,000	580,000
GR	714,700	583,000	715,400	596,000	710,000	602,000	720,000	645,000	726,000	690,000
GR	730,000	715,000	736,000	750,000	740,000	780,000	750,000	840,000	756,000	910,000
GR	758,000	930,000	760,000	970,000	0.	0.	0.	0.	0.	0.
X1	125,000	0.	0.	0.	25,000	25,000	25,000	0.	0,300	0.
X1	150,000	0.	0.	0.	25,000	25,000	25,000	0.	0,200	0.
ET	0.	0.	9,400	0.	0.	0.	0.	0.	0.	0.
X1	175,000	0.	0.	0.	25,000	25,000	25,000	0.	0,200	0.
X1	250,000	0.	0.	0.	75,000	75,000	75,000	0.	0,500	0.
ET	0.	0.	6,400	0.	0.	0.	0.	0.	0.	0.
X1	400,000	0.	0.	0.	150,000	150,000	150,000	0.	1,200	0.
ET	0.	0.	2,400	0.	0.	0.	0.	0.	0.	0.
X1	500,000	18,000	1000,000	1022,000	100,000	100,000	100,000	0.	-1,100	0.
GR	756,000	650,000	750,000	715,000	746,000	750,000	745,500	770,000	741,000	800,000
GR	731,900	900,000	728,000	910,000	726,000	970,000	720,700	1000,000	718,300	1003,000
GR	719,000	1016,000	723,300	1022,000	729,800	1050,000	736,300	1100,000	740,000	1140,000
GR	745,000	1200,000	750,000	1260,000	760,000	1400,000	0.	0.	0.	0.
ET	0.	0.	6,400	0.	0.	0.	0.	0.	0.	0.
X1	630,000	0.	0.	0.	130,000	130,000	130,000	0.	1,100	0.
ET	0.	0.	4,400	0.	0.	0.	0.	0.	0.	0.

BLW
9/23/77

X1	1590,000	16,000	160,000	190,000	960,000	960,000	960,000	0,	0,	0,
GR	760,000	0,	756,000	20,000	750,000	60,000	746,000	75,000	740,000	95,000
GR	736,000	130,000	732,000	160,000	728,500	165,000	728,500	180,000	730,000	190,000
GR	734,000	220,000	738,000	250,000	740,000	270,000	750,000	300,000	754,000	335,000
GR	760,000	380,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	5,400	0,	0,	0,	0,	0,	0,	0,
X1	1900,000	0,	0,	0,	310,000	310,000	310,000	0,	3,500	0,
X1	2200,000	0,	0,	0,	300,000	300,000	300,000	0,	3,500	0,
ET	0,	0,	7,400	0,	0,	0,	0,	0,	0,	0,
QT	7,000	1380,000	1380,000	1380,000	1380,000	660,000	1275,000	2540,000	0,	0,
X1	2900,000	11,000	100,000	126,000	700,000	700,000	700,000	0,	0,	0,
GR	760,000	0,	794,000	35,000	750,000	70,000	746,000	100,000	743,500	105,000
GR	743,500	20,000	746,000	126,000	748,000	160,000	750,000	210,000	754,000	230,000
GR	760,000	250,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	9,400	0,	0,	0,	0,	0,	0,	0,
X1	3600,000	14,000	440,000	463,000	700,000	700,000	700,000	0,	0,	0,
GR	770,000	150,000	768,000	200,000	768,500	215,000	760,000	280,000	754,600	305,000
GR	753,500	400,000	752,400	440,000	749,100	445,000	749,300	460,000	751,800	463,000
GR	753,700	500,000	760,000	580,000	765,700	600,000	769,100	650,000	0,	0,
X1	4500,000	16,000	295,000	318,000	900,000	900,000	900,000	0,	0,	0,
GR	780,000	0,	770,000	50,000	764,000	80,000	762,000	100,000	760,000	215,000
GR	760,000	295,000	756,400	300,000	756,400	315,000	760,000	318,000	762,000	330,000
GR	764,000	390,000	768,000	430,000	770,000	470,000	774,000	580,000	778,000	630,000
GR	780,000	670,000	0,	0,	0,	0,	0,	0,	0,	0,
ET	0,	0,	8,400	0,	0,	0,	0,	0,	0,	0,
QT	7,000	1230,000	1230,000	1230,000	1230,000	730,000	1080,000	2240,000	0,	0,
X1	5540,000	16,000	1000,000	1018,000	1040,000	1040,000	1040,000	0,	0,	0,
GR	798,000	600,000	796,000	640,000	792,000	680,000	790,700	700,000	782,700	800,000
GR	779,500	875,000	772,100	900,000	767,000	1000,000	763,200	1005,000	763,700	1015,000
GR	766,700	1018,000	776,800	1200,000	779,400	1230,000	782,100	1300,000	784,300	1350,000
GR	790,000	1430,000	0,	0,	0,	0,	0,	0,	0,	0,
X1	5590,000	16,000	1000,000	1033,000	50,000	50,000	50,000	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	770,800	770,800	0,
GR	790,000	640,000	786,000	690,000	782,000	780,000	774,000	890,000	772,000	940,000
GR	770,000	970,000	768,900	1000,000	768,200	1012,000	763,800	1017,000	764,000	1032,000
GR	770,000	1033,000	774,000	1100,000	776,000	1160,000	780,000	1280,000	782,000	1360,000
GR	790,000	1470,000	0,	0,	0,	0,	0,	0,	0,	0,
SB	0,	1,300	2,500	0,	23,000	0,	156,000	0,	763,800	763,800
X1	5611,000	15,000	1060,000	1032,000	21,000	21,000	21,000	0,	0,	0,
X2	0,	0,	1,000	770,800	773,100	0,	0,	0,	0,	0,
X3	10,000	0,	0,	0,	0,	0,	0,	0,	773,100	773,100
BT	13,000	560,000	797,500	797,500	700,000	790,100	790,100	800,000	781,500	781,500
BT	900,000	775,600	772,100	999,000	773,100	770,800	1000,000	773,100	770,800	1032,000
BT	773,100	770,800	1033,000	773,100	770,800	1100,000	775,200	771,900	1200,000	779,100
BT	776,800	1300,000	781,500	781,500	1360,000	782,000	782,000	1450,000	790,000	790,000
GR	797,500	560,000	790,100	700,000	781,500	800,000	772,100	900,000	770,800	999,000
GR	768,900	1000,000	768,200	1012,000	763,800	1017,000	764,000	1032,000	770,800	1033,000
GR	771,900	1100,000	776,800	1200,000	781,500	1300,000	782,000	1360,000	790,000	1450,000
ET	0,	0,	9,400	0,	0,	0,	0,	0,	0,	0,

 IHEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR - 01
 MODIFICATION - 50,51,52

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

PROGRAM 722-02Z LWR
 SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC
100,000	721,05	721,38	714,70	0,
100,000	721,85	722,20	714,70	0,
100,000	721,94	722,30	714,70	0,
100,000	723,43	723,81	714,70	0,
125,000	721,18	721,56	715,00	0,
125,000	721,98	722,38	715,00	0,
125,000	722,08	722,48	715,00	0,
125,000	723,57	723,99	715,00	0,
150,000	721,36	721,75	715,20	0,
150,000	722,15	722,57	715,20	0,
150,000	722,25	722,66	715,20	0,
150,000	723,73	724,17	715,20	0,
175,000	721,54	721,94	715,40	0,
175,000	722,33	722,75	715,40	0,
175,000	722,43	722,85	715,40	0,
175,000	723,91	724,35	715,40	0,
250,000	722,11	722,49	715,90	0,
250,000	722,90	723,30	715,90	0,
250,000	722,99	723,39	715,90	0,
250,000	724,45	724,89	715,90	0,
400,000	723,19	723,61	717,10	0,
400,000	723,98	724,42	717,10	0,
400,000	724,08	724,52	717,10	0,
400,000	725,53	726,00	717,10	0,
500,000	723,88	724,62	717,20	0,
500,000	724,57	725,73	717,20	0,
500,000	724,64	725,87	717,20	0,
* 500,000	726,05	728,23	717,20	0,
630,000	725,18	725,86	718,30	0,
630,000	726,40	727,23	718,30	0,
630,000	726,56	727,39	718,30	0,
630,000	729,13	729,98	718,30	0,

SECNO	CWSEL	EG	ELMIN	ELLC
1590.000	733,74	734,30	728,50	0.
1590.000	734,85	735,52	728,50	0.
1590.000	734,97	735,65	728,50	0.
1590.000	736,81	737,79	728,50	0.
1900.000	736,84	737,56	732,00	0.
1900.000	737,82	738,71	732,00	0.
1900.000	737,94	738,84	732,00	0.
1900.000	739,90	741,08	732,00	0.
2200.000	740,43	741,11	735,50	0.
2200.000	741,41	742,25	735,50	0.
2200.000	741,52	742,39	735,50	0.
2200.000	743,40	744,58	735,50	0.
2900.000	748,35	748,97	743,50	0.
2900.000	749,27	749,97	743,50	0.
2900.000	749,43	750,17	743,50	0.
2900.000	751,21	751,98	743,50	0.
3600.000	754,61	754,96	749,10	0.
3600.000	755,35	755,69	749,10	0.
3600.000	755,52	755,86	749,10	0.
3600.000	756,91	757,28	749,10	0.
4500.000	761,51	761,90	756,40	0.
4500.000	762,12	762,53	756,40	0.
4500.000	762,24	762,66	756,40	0.
4500.000	763,45	763,87	756,40	0.
5540.000	769,59	769,97	763,20	0.
5540.000	770,43	770,86	763,20	0.
5540.000	770,70	771,15	763,20	0.
5540.000	772,12	772,66	763,20	0.
5590.000	769,94	770,43	763,80	0.
5590.000	770,70	771,45	763,80	0.
5590.000	771,01	771,69	763,80	0.
5590.000	772,36	773,35	763,80	0.
5611.000	770,17	770,63	763,80	770,80
5611.000	770,97	771,67	763,80	770,80
5611.000	771,59	772,27	763,80	770,80
5611.000	774,03	774,90	763,80	770,80
5660.000	770,70	770,90	764,20	0.
5660.000	771,78	771,99	764,20	0.
5660.000	772,36	772,55	764,20	0.
5660.000	774,84	775,02	764,20	0.
5760.000	771,01	771,36	765,20	0.
5760.000	772,06	772,39	765,20	0.
5760.000	772,59	772,90	765,20	0.
5760.000	775,01	775,27	765,20	0.

SECNO	CWSEL	EG	ELMIN	ELLC
5900,000	771,87	772,26	766,80	0.
5900,000	772,79	773,39	766,80	0.
5900,000	773,18	774,04	766,80	0.
5900,000	775,39	775,96	766,80	0.
6000,000	772,63	773,09	767,70	0.
6000,000	773,75	774,45	767,70	0.
6000,000	774,43	775,30	767,70	0.
6000,000	776,02	777,01	767,70	0.
6150,000	773,93	774,39	769,00	0.
6150,000	775,29	775,90	769,00	0.
6150,000	776,17	776,84	769,00	0.
6150,000	777,72	778,52	769,00	0.
6500,000	778,31	778,78	775,80	0.
6500,000	779,23	779,64	775,80	0.
6500,000	779,86	780,26	775,80	0.
6500,000	781,15	781,54	775,80	0.
6550,000	779,30	779,77	776,80	0.
6550,000	779,93	780,52	776,80	0.
6550,000	780,43	781,05	776,80	0.
6550,000	781,55	782,16	776,80	0.
* 6600,000	782,02	782,74	779,80	0.
* 6600,000	782,76	783,51	779,80	0.
* 6600,000	783,15	784,00	779,80	0.
* 6600,000	783,93	784,99	779,80	0.
* 6660,000	785,99	786,15	785,10	0.
* 6660,000	786,26	786,51	785,10	0.
6660,000	786,54	786,81	785,10	0.
6660,000	787,17	787,48	785,10	0.
* 6670,000	791,35	792,47	788,60	0.
* 6670,000	792,44	793,92	788,60	0.
* 6670,000	793,15	794,92	788,60	0.
* 6670,000	794,87	795,53	788,60	0.

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PROGRAM 722-02Z LWR
SUMMARY PRINTOUT

SFCNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
100,000	721,05	204,56	656,24	139,20	1,41	5,55	1,51
100,000	721,85	394,34	831,41	249,25	1,65	6,12	1,84
100,000	721,94	422,01	853,64	264,35	1,67	6,19	1,88
100,000	723,43	1078,62	1215,20	556,17	2,06	7,12	2,37
125,000	721,18	189,65	679,48	130,87	1,48	5,93	1,56
125,000	721,98	377,31	855,59	242,10	1,72	6,46	1,91
125,000	722,08	404,62	878,08	257,30	1,75	6,53	1,95
125,000	723,57	1050,91	1246,88	552,21	2,15	7,46	2,46
150,000	721,36	186,48	684,49	129,03	1,49	6,02	1,57
150,000	722,15	372,14	863,01	239,85	1,75	6,57	1,93
150,000	722,25	399,36	885,54	255,09	1,77	6,64	1,97
150,000	723,73	1042,19	1256,94	550,87	2,18	7,57	2,49
175,000	721,54	185,77	685,61	128,62	1,49	6,04	1,57
175,000	722,33	370,41	865,50	239,09	1,75	6,61	1,94
175,000	722,43	397,58	888,09	254,33	1,78	6,67	1,98
175,000	723,91	1038,12	1261,65	550,23	2,20	7,62	2,51
250,000	722,11	191,80	676,10	132,10	1,47	5,88	1,55
250,000	722,90	377,07	855,94	242,00	1,72	6,47	1,91
250,000	722,99	404,34	878,48	257,18	1,75	6,54	1,95
250,000	724,45	1045,63	1252,97	551,40	2,17	7,52	2,48
400,000	723,19	182,17	691,33	126,50	1,51	6,14	1,59
400,000	723,98	364,66	873,81	236,53	1,78	6,73	1,97
400,000	724,08	391,62	896,61	251,77	1,81	6,80	2,01
400,000	725,53	1022,94	1279,30	547,76	2,25	7,81	2,56
500,000	723,88	106,09	887,26	6,65	2,04	7,28	1,09
500,000	724,57	185,52	1270,07	19,41	2,66	9,28	1,61
500,000	724,64	196,90	1321,59	21,50	2,74	9,55	1,68
500,000	726,05	521,79	2240,40	87,81	3,90	13,22	2,75
630,000	725,18	111,99	879,62	8,39	1,97	6,97	1,10
630,000	726,40	223,71	1219,38	31,90	2,38	7,97	1,54
630,000	726,56	243,52	1260,22	36,25	2,41	8,05	1,58
630,000	729,13	800,59	1895,83	153,57	2,64	8,90	2,10
1590,000	733,74	12,04	895,72	92,24	1,05	6,35	1,75
1590,000	734,85	43,06	1237,86	194,08	1,42	7,11	2,21
1590,000	734,97	48,21	1282,83	208,96	1,46	7,22	2,26
1590,000	736,81	200,16	2119,68	530,15	2,30	9,10	3,05
1900,000	735,84	7,10	912,29	80,61	1,05	7,07	1,92
1900,000	737,82	30,21	1279,02	165,77	1,50	8,08	2,37
1900,000	737,94	34,48	1325,39	180,13	1,55	8,19	2,44
1900,000	739,90	171,75	2174,85	503,40	2,36	9,85	3,28
2200,000	740,43	8,07	908,81	83,12	1,05	6,90	1,88
2200,000	741,41	32,50	1271,20	171,30	1,49	7,89	2,34
2200,000	741,52	36,77	1317,84	185,38	1,54	8,01	2,41
2200,000	743,40	171,67	2175,00	503,32	2,36	9,86	3,28

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
2900.000	748,35	30,03	755,91	74,06	1,44	6,72	1,55
2900.000	749,27	70,19	1017,02	187,78	1,75	7,47	1,93
2900.000	749,43	80,90	1080,74	218,37	1,83	7,69	2,01
2900.000	751,21	253,99	1614,58	671,43	2,47	8,65	2,61
3600.000	754,61	128,93	623,47	107,59	1,09	5,55	1,46
3600.000	755,35	313,48	768,08	193,44	1,43	5,93	1,71
3600.000	755,52	364,92	798,95	216,13	1,50	5,98	1,75
3600.000	756,91	931,31	1134,84	473,85	2,10	8,84	2,15
4500.000	761,51	248,38	605,08	6,54	1,33	5,87	0,96
4500.000	762,12	497,18	760,71	17,11	1,66	6,49	1,25
4500.000	762,24	563,33	796,05	20,61	1,75	6,64	1,31
4500.000	763,45	1344,48	1103,93	91,59	2,37	7,47	1,50
5540.000	769,59	79,03	553,69	97,28	1,20	5,71	1,29
5540.000	770,43	169,63	715,42	194,95	1,47	6,33	1,56
5540.000	770,70	211,08	780,12	238,79	1,57	6,67	1,66
5540.000	772,12	531,16	1142,48	566,36	2,06	8,01	2,14
5590.000	769,94	0,	730,00	0,	0,	5,62	0,
5590.000	770,70	0,	1080,00	0,	0,	6,96	0,
5590.000	771,01	89,98	1132,82	7,20	1,65	6,85	0,84
5590.000	772,36	330,28	1834,33	75,39	2,54	8,74	1,61
5611.000	770,17	0,20	728,03	1,77	0,48	5,42	0,63
5611.000	770,97	1,11	1075,94	2,95	0,50	6,73	0,66
5611.000	771,59	16,07	1199,12	14,81	0,62	6,66	0,63
5611.000	774,63	457,08	1415,22	367,70	1,29	5,11	1,21
5660.000	770,70	103,94	582,28	43,79	0,96	4,01	0,98
5660.000	771,78	232,18	751,29	96,52	1,21	4,30	1,20
5660.000	772,36	302,23	801,55	126,21	1,24	4,21	1,21
5660.000	774,84	753,62	1159,36	327,01	1,46	4,51	1,39
5760.000	771,01	61,84	640,69	27,47	0,97	5,05	1,03
5760.000	772,06	182,54	821,30	76,16	1,36	5,29	1,37
5760.000	772,59	250,81	874,97	104,23	1,42	5,16	1,41
5760.000	775,01	697,66	1243,80	298,54	1,66	5,30	1,61
5900.000	771,87	25,14	413,83	26,03	1,17	5,27	1,21
5900.000	772,79	82,12	656,69	81,19	1,79	6,91	1,80
5900.000	773,18	133,25	859,46	132,29	2,26	8,42	2,29
5900.000	775,39	392,76	1089,89	417,33	2,40	7,68	2,32
6000.000	772,63	15,61	432,16	17,22	1,12	5,63	1,31
6000.000	773,75	58,09	699,89	62,02	1,67	7,22	1,93
6000.000	774,43	105,47	906,65	112,88	2,02	8,31	2,27
6000.000	776,02	292,97	1301,55	305,48	2,81	9,44	2,80
6150.000	773,93	15,59	432,21	17,20	1,12	5,63	1,31
6150.000	775,29	64,47	686,72	68,81	1,60	6,80	1,83
6150.000	776,17	124,11	869,23	131,66	1,91	7,43	2,07
6150.000	777,72	316,02	1252,07	331,91	2,65	8,63	2,59

SECNO	CWSEL	QLOB	QCH	QROB	VLOB	VCH	VROB
6500,000	778,31	14,72	395,85	54,43	0,78	5,89	2,03
6500,000	779,23	127,46	573,55	118,99	1,57	6,05	2,13
6500,000	779,86	238,84	706,24	179,92	1,85	6,20	2,16
6500,000	781,15	537,74	997,09	365,17	2,27	6,53	2,34
6550,000	779,30	14,40	396,26	54,34	0,78	5,91	2,04
6550,000	779,93	99,31	607,90	112,79	1,64	7,07	2,49
6550,000	780,43	197,50	758,85	168,65	2,06	7,53	2,64
6550,000	781,55	486,16	1075,76	338,08	2,63	8,00	2,83
* 6600,000	782,02	0,20	417,38	47,42	0,17	7,12	2,33
* 6600,000	782,76	30,12	631,14	108,74	1,66	7,82	2,76
* 6600,000	783,15	164,75	799,30	160,95	2,19	8,65	3,05
* 6600,000	783,93	413,42	1179,64	306,94	3,07	10,17	3,33
* 6660,000	785,99	444,68	20,32	0,	3,05	5,59	0,
* 6660,000	786,26	785,58	34,42	0,	3,87	6,66	0,
6660,000	786,54	1078,16	46,83	0,	4,02	6,60	0,
6660,000	787,17	1818,31	81,69	0,	4,31	6,61	0,
* 6670,000	791,35	0,	465,00	0,	0,	8,48	0,
* 6670,000	792,44	0,	820,00	0,	0,	9,75	0,
* 6670,000	793,15	0,	1125,00	0,	0,	10,69	0,
* 6670,000	794,87	612,93	1287,07	0,	1,58	7,88	0,

PROGRAM 722-02Z LWR
 SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	ARE
100.000	0.	0.	0.	714.70	1000.00	721.05	0.	721.38	59.90	5.55	356
100.000	0.	0.	0.	714.70	1475.00	721.85	0.	722.20	60.61	6.12	510
100.000	0.	0.	0.	714.70	1540.00	721.94	0.	722.30	60.78	6.19	531
100.000	0.	0.	0.	714.70	2850.00	723.43	0.	723.81	60.50	7.12	928
125.000	25.00	0.	0.	715.00	1000.00	721.18	0.	721.56	71.54	5.93	326
125.000	25.00	0.	0.	715.00	1475.00	721.98	0.	722.38	69.95	6.46	478
125.000	25.00	0.	0.	715.00	1540.00	722.08	0.	722.48	69.97	6.53	497
125.000	25.00	0.	0.	715.00	2850.00	723.57	0.	723.99	68.20	7.46	879
150.000	25.00	0.	0.	715.20	1000.00	721.36	0.	721.75	74.29	6.02	320
150.000	25.00	0.	0.	715.20	1475.00	722.15	0.	722.57	73.04	6.57	468
150.000	25.00	0.	0.	715.20	1540.00	722.25	0.	722.66	72.99	6.64	487
150.000	25.00	0.	0.	715.20	2850.00	723.73	0.	724.17	70.80	7.57	864
175.000	25.00	0.	0.	715.40	1000.00	721.54	0.	721.94	74.91	6.04	319
175.000	25.00	0.	0.	715.40	1475.00	722.33	0.	722.75	74.10	6.61	465
175.000	25.00	0.	0.	715.40	1540.00	722.43	0.	722.85	74.05	6.67	484
175.000	25.00	0.	0.	715.40	2850.00	723.91	0.	724.35	72.04	7.62	857
250.000	75.00	0.	0.	715.90	1000.00	722.11	0.	722.49	69.74	5.88	330
250.000	75.00	0.	0.	715.90	1475.00	722.90	0.	723.30	70.09	6.47	477
250.000	75.00	0.	0.	715.90	1540.00	722.99	0.	723.39	70.13	6.54	497
250.000	75.00	0.	0.	715.90	2850.00	724.45	0.	724.89	69.76	7.52	870
400.000	150.00	0.	0.	717.10	1000.00	723.19	0.	723.61	78.18	6.14	312
400.000	150.00	0.	0.	717.10	1475.00	723.98	0.	724.42	77.73	6.73	455
400.000	150.00	0.	0.	717.10	1540.00	724.08	0.	724.52	77.67	6.80	473
400.000	150.00	0.	0.	717.10	2850.00	725.53	0.	726.09	76.87	7.81	832
500.000	100.00	0.	0.	717.20	1000.00	723.88	0.	724.62	100.50	7.28	179
500.000	100.00	0.	0.	717.20	1475.00	724.57	0.	725.73	139.85	9.28	218
500.000	100.00	0.	0.	717.20	1540.00	724.64	0.	725.87	145.55	9.55	223
* 500.000	100.00	0.	0.	717.20	2850.00	726.05	726.05	728.23	213.15	13.22	335
630.000	130.00	0.	0.	718.30	1000.00	725.18	0.	725.86	87.71	6.97	190
630.000	130.00	0.	0.	718.30	1475.00	726.40	0.	727.23	88.65	7.97	267
630.000	130.00	0.	0.	718.30	1540.00	726.56	0.	727.39	87.87	8.05	280
630.000	130.00	0.	0.	718.30	2850.00	729.13	0.	729.98	71.12	8.90	589
1590.000	960.00	0.	0.	728.50	1000.00	733.74	0.	734.30	87.86	6.35	205
1590.000	960.00	0.	0.	728.50	1475.00	734.85	0.	735.52	83.45	7.11	292
1590.000	960.00	0.	0.	728.50	1540.00	734.97	0.	735.65	83.63	7.22	303
1590.000	960.00	0.	0.	728.50	2850.00	736.81	0.	737.79	92.60	9.10	493
1900.000	310.00	0.	0.	732.00	1000.00	736.84	0.	737.56	122.57	7.07	177
1900.000	310.00	0.	0.	732.00	1475.00	737.82	0.	738.71	122.30	8.08	248
1900.000	310.00	0.	0.	732.00	1540.00	737.94	0.	738.84	121.89	8.19	257
1900.000	310.00	0.	0.	732.00	2850.00	739.90	0.	741.08	116.63	9.85	446
2200.000	300.00	0.	0.	735.50	1000.00	740.43	0.	741.11	113.93	6.90	183
2200.000	300.00	0.	0.	735.50	1475.00	741.41	0.	742.25	113.67	7.89	256
2200.000	300.00	0.	0.	735.50	1540.00	741.52	0.	742.39	113.95	8.01	265
2200.000	300.00	0.	0.	735.50	2850.00	743.40	0.	744.58	116.71	9.86	446

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K+S	VCH	ARE
2900,000	700,00	0.	0.	743,50	860,00	748,35	0.	748,97	110,16	6,72	181
2900,000	700,00	0.	0.	743,50	1275,00	749,27	0.	749,97	105,60	7,47	273
2900,000	700,00	0.	0.	743,50	1380,00	749,43	0.	750,17	107,32	7,69	293
2900,000	700,00	0.	0.	743,50	2540,00	751,21	0.	751,98	93,02	8,65	546
3600,000	700,00	0.	0.	749,10	860,00	754,61	0.	754,96	67,29	5,55	303
3600,000	700,00	0.	0.	749,10	1275,00	755,35	0.	755,69	63,71	5,93	462
3600,000	700,00	0.	0.	749,10	1380,00	755,52	0.	755,86	62,21	5,98	500
3600,000	700,00	0.	0.	749,10	2540,00	756,91	0.	757,28	60,94	6,84	830
4500,000	900,00	0.	0.	756,40	860,00	761,51	0.	761,90	88,79	5,87	295
4500,000	900,00	0.	0.	756,40	1275,00	762,12	0.	762,53	91,47	6,49	429
4500,000	900,00	0.	0.	756,40	1380,00	762,24	0.	762,66	92,69	6,64	458
4500,000	900,00	0.	0.	756,40	2540,00	763,45	0.	763,87	89,04	7,47	776
5540,000	1040,00	0.	0.	763,20	730,00	769,59	0.	769,97	67,03	5,71	237
5540,000	1040,00	0.	0.	763,20	1080,00	770,43	0.	770,86	69,08	6,38	352
5540,000	1040,00	0.	0.	763,20	1230,00	770,70	0.	771,15	71,26	6,67	395
5540,000	1040,00	0.	0.	763,20	2240,00	772,12	0.	772,66	78,95	8,01	664
5590,000	50,00	0.	0.	763,80	730,00	769,94	0.	770,43	106,21	5,62	129
5590,000	50,00	0.	0.	763,80	1080,00	770,70	0.	771,45	129,61	6,96	155
5590,000	50,00	0.	0.	763,80	1230,00	771,01	0.	771,69	114,60	6,85	228
5590,000	50,00	0.	0.	763,80	2240,00	772,36	0.	773,35	135,35	8,74	386
5611,000	21,00	773,10	770,80	763,80	730,00	770,17	0.	770,63	75,65	5,42	137
5611,000	21,00	773,10	770,80	763,80	1080,00	770,97	0.	771,67	92,46	6,73	166
5611,000	21,00	773,10	770,80	763,80	1230,00	771,56	0.	772,27	77,28	6,66	229
5611,000	21,00	773,10	770,80	763,80	2240,00	774,63	0.	774,90	25,59	5,11	934
5660,000	49,00	0.	0.	764,20	730,00	770,70	0.	770,90	29,93	4,01	297
5660,000	49,00	0.	0.	764,20	1080,00	771,78	0.	771,99	26,97	4,30	447
5660,000	49,00	0.	0.	764,20	1230,00	772,36	0.	772,55	23,04	4,21	538
5660,000	49,00	0.	0.	764,20	2240,00	774,84	0.	775,02	17,71	4,51	1009
5760,000	100,00	0.	0.	765,20	730,00	771,01	0.	771,36	57,04	5,05	217
5760,000	100,00	0.	0.	765,20	1080,00	772,06	0.	772,39	47,92	5,29	344
5760,000	100,00	0.	0.	765,20	1230,00	772,59	0.	772,90	40,37	5,16	419
5760,000	100,00	0.	0.	765,20	2240,00	775,01	0.	775,27	27,64	5,30	875
5900,000	140,00	0.	0.	766,80	465,00	771,87	0.	772,26	74,76	5,27	121
5900,000	140,00	0.	0.	766,80	820,00	772,79	0.	773,39	99,63	6,91	186
5900,000	140,00	0.	0.	766,80	1125,00	773,18	0.	774,04	134,46	8,42	218
5900,000	140,00	0.	0.	766,80	1900,00	775,39	0.	775,96	72,08	7,68	485
6000,000	100,00	0.	0.	767,70	465,00	772,63	0.	773,09	86,51	5,63	103
6000,000	100,00	0.	0.	767,70	820,00	773,75	0.	774,45	104,24	7,22	163
6000,000	100,00	0.	0.	767,70	1125,00	774,43	0.	775,30	117,80	8,31	210
6000,000	100,00	0.	0.	767,70	1900,00	776,02	0.	777,01	111,32	9,44	351
6150,000	150,00	0.	0.	769,00	465,00	773,93	0.	774,39	86,65	5,63	103
6150,000	150,00	0.	0.	769,00	820,00	775,29	0.	775,90	87,39	6,80	178
6150,000	150,00	0.	0.	769,00	1125,00	776,17	0.	776,84	85,77	7,43	245
6150,000	150,00	0.	0.	769,00	1900,00	777,72	0.	778,52	86,91	8,63	392

SECNO	XLCH	ELTRD	ELLC	ELMIN	D	CWSEL	CRWS	EG	10K+S	VCH	ARE
6500.000	350.00	0.	0.	775.80	465.00	778.31	778.04	778.78	197.23	5.89	112
6500.000	350.00	0.	0.	775.80	820.00	779.23	0.	779.64	131.24	6.05	231
6500.000	350.00	0.	0.	775.80	1125.00	779.86	0.	780.26	108.22	6.20	326
6500.000	350.00	0.	0.	775.80	1900.00	781.15	0.	781.54	81.19	6.53	545
6550.000	50.00	0.	0.	776.80	465.00	779.30	779.01	779.77	199.05	5.91	112
6550.000	50.00	0.	0.	776.80	820.00	779.93	0.	780.52	204.04	7.07	191
6550.000	50.00	0.	0.	776.80	1125.00	780.43	0.	781.05	187.53	7.53	260
6550.000	50.00	0.	0.	776.80	1900.00	781.55	0.	782.16	144.21	8.00	438
* 6600.000	50.00	0.	0.	779.80	465.00	782.02	782.02	782.74	345.89	7.12	80
* 6600.000	50.00	0.	0.	779.80	820.00	782.76	782.76	783.51	271.83	7.82	168
* 6600.000	50.00	0.	0.	779.80	1125.00	783.15	783.15	784.00	278.15	8.65	220
* 6600.000	50.00	0.	0.	779.80	1900.00	783.93	783.93	784.99	283.41	10.17	337
* 6660.000	60.00	0.	0.	785.10	465.00	785.99	0.	786.15	1011.15	5.59	149
* 6660.000	60.00	0.	0.	785.10	820.00	786.26	0.	786.51	1087.37	6.66	208
6660.000	60.00	0.	0.	785.10	1125.00	786.54	0.	786.81	839.17	6.60	275
6660.000	60.00	0.	0.	785.10	1900.00	787.17	786.66	787.48	566.10	6.61	434
* 6670.000	10.00	0.	0.	788.60	465.00	791.35	791.35	792.17	440.90	8.48	54
* 6670.000	10.00	0.	0.	788.60	820.00	792.44	792.44	793.92	406.42	9.75	84
* 6670.000	10.00	0.	0.	788.60	1125.00	793.15	793.15	794.92	407.49	10.69	105
* 6670.000	10.00	0.	0.	788.60	1900.00	794.87	794.87	795.53	147.65	7.88	550

PROGRAM 722-022 LWR
 SUMMARY PRINTOUT TABLE 150

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
100.000	1000.00	721.05	0.	0.	3.05	175.04	0.
100.000	1475.00	721.85	0.	0.	2.85	212.95	0.
100.000	1540.00	721.94	0.	0.	1.94	217.38	0.
100.000	2850.00	723.43	1.49	0.	2.43	316.83	0.
125.000	1000.00	721.18	0.	0.13	0.	166.89	25.00
125.000	1475.00	721.98	0.	0.13	0.	205.48	25.00
125.000	1540.00	722.08	0.	0.13	0.	209.94	25.00
125.000	2850.00	723.57	1.49	0.13	0.	306.22	25.00
150.000	1000.00	721.36	0.	0.17	0.	165.19	25.00
150.000	1475.00	722.15	0.	0.17	0.	203.27	25.00
150.000	1540.00	722.25	0.	0.17	0.	207.74	25.00
150.000	2850.00	723.73	1.49	0.16	0.	302.95	25.00
175.000	1000.00	721.54	0.	0.18	0.	164.02	25.00
175.000	1475.00	722.33	0.	0.18	0.	202.53	25.00
175.000	1540.00	722.43	0.	0.18	0.	206.99	25.00
175.000	2850.00	723.91	1.48	0.17	0.	301.43	25.00
250.000	1000.00	722.11	0.	0.57	0.	168.05	75.00
250.000	1475.00	722.90	0.	0.57	0.	205.38	75.00
250.000	1540.00	722.99	0.	0.57	0.	209.82	75.00
250.000	2850.00	724.45	1.46	0.55	0.	304.24	75.00
400.000	1000.00	723.19	0.	1.08	0.	162.91	150.00
400.000	1475.00	723.98	0.	1.08	0.	200.09	150.00
400.000	1540.00	724.08	0.	1.08	0.	204.53	150.00
400.000	2850.00	725.53	1.45	1.07	0.	295.81	150.00
500.000	1000.00	723.88	0.	0.69	0.	53.51	100.00
500.000	1475.00	724.57	0.	0.58	0.	60.30	100.00
500.000	1540.00	724.64	0.	0.56	0.	61.04	100.00
500.000	2850.00	726.05	1.41	0.52	0.	103.11	100.00
630.000	1000.00	725.18	0.	1.30	0.	55.51	130.00
630.000	1475.00	726.40	0.	1.83	0.	77.53	130.00
630.000	1540.00	726.56	0.	1.92	0.	82.95	130.00
630.000	2850.00	729.13	2.58	3.08	0.	140.04	130.00
1590.000	1000.00	733.74	0.	8.55	0.	72.18	960.00
1590.000	1475.00	734.85	0.	8.45	0.	87.63	960.00
1590.000	1540.00	734.97	0.	8.41	0.	89.46	960.00
1590.000	2850.00	736.81	1.84	7.67	0.	118.09	960.00
1900.000	1000.00	736.84	0.	3.11	0.	65.18	310.00
1900.000	1475.00	737.82	0.	2.97	0.	79.74	310.00
1900.000	1540.00	737.94	0.	2.97	0.	81.53	310.00
1900.000	2850.00	739.90	1.96	3.09	0.	111.48	310.00
2200.000	1000.00	740.43	0.	3.59	0.	66.46	300.00
2200.000	1475.00	741.41	0.	3.59	0.	81.20	300.00
2200.000	1540.00	741.52	0.	3.59	0.	82.90	300.00
2200.000	2850.00	743.40	1.87	3.50	0.	111.46	300.00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
2900,000	860,00	748,35	0,	7,92	0,	86,60	700,00
2900,000	1275,00	749,27	0,	7,86	0,	116,16	700,00
2900,000	1380,00	749,43	0,	7,91	0,	121,62	700,00
2900,000	2540,00	751,21	1,77	7,81	0,	156,61	700,00
3600,000	860,00	754,61	0,	6,26	0,	206,27	700,00
3600,000	1275,00	755,35	0,	6,08	0,	219,28	700,00
3600,000	1380,00	755,52	0,	6,09	0,	222,32	700,00
3600,000	2540,00	756,91	1,39	5,71	0,	246,67	700,00
4500,000	860,00	761,51	0,	6,90	0,	198,77	900,00
4500,000	1275,00	762,12	0,	6,78	0,	234,89	900,00
4500,000	1380,00	762,24	0,	6,72	0,	239,70	900,00
4500,000	2540,00	763,45	1,21	6,53	0,	288,00	900,00
5540,000	730,00	769,59	0,	8,07	0,	120,80	1040,00
5540,000	1080,00	770,43	0,	8,31	0,	152,38	1040,00
5540,000	1230,00	770,70	0,	8,46	0,	162,59	1040,00
5540,000	2240,00	772,12	1,42	8,67	0,	215,80	1040,00
5590,000	730,00	769,94	0,	0,36	0,	32,99	50,00
5590,000	1080,00	770,70	0,	0,27	0,	33,00	50,00
5590,000	1230,00	771,01	0,	0,31	0,	95,11	50,00
5590,000	2240,00	772,36	1,35	0,24	0,	141,74	50,00
5611,000	730,00	770,17	0,	0,23	0,	33,58	21,00
5611,000	1080,00	770,97	0,	0,27	0,	57,22	21,00
5611,000	1230,00	771,59	0,	0,58	0,	143,66	21,00
5611,000	2240,00	774,63	3,04	2,27	0,	282,71	21,00
5660,000	730,00	770,70	0,	0,52	0,	125,53	49,00
5660,000	1080,00	771,78	0,	0,82	0,	149,85	49,00
5660,000	1230,00	772,36	0,	0,77	0,	162,84	49,00
5660,000	2240,00	774,84	2,47	0,21	0,	218,04	49,00
5760,000	730,00	771,01	0,	0,31	0,	110,23	100,00
5760,000	1080,00	772,06	0,	0,27	0,	133,62	100,00
5760,000	1230,00	772,59	0,	0,23	0,	145,63	100,00
5760,000	2240,00	775,01	2,41	0,17	0,	199,48	100,00
5900,000	465,00	771,87	0,	0,86	0,	61,22	140,00
5900,000	820,00	772,79	0,	0,73	0,	79,45	140,00
5900,000	1125,00	773,18	0,	0,58	0,	89,13	140,00
5900,000	1900,00	775,39	2,21	0,39	0,	148,54	140,00
6000,000	465,00	772,63	0,	0,76	0,	44,12	100,00
6000,000	820,00	773,75	0,	0,96	0,	63,37	100,00
6000,000	1125,00	774,43	0,	1,25	0,	75,24	100,00
6000,000	1900,00	776,02	1,60	0,63	0,	99,88	100,00
6150,000	465,00	773,93	0,	1,30	0,	44,10	150,00
6150,000	820,00	775,29	0,	1,54	0,	67,37	150,00
6150,000	1125,00	776,17	0,	1,74	0,	82,50	150,00
6150,000	1900,00	777,72	1,55	1,70	0,	105,89	150,00

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
6500,000	465,00	778,31	0.	4,38	0.	117,65	350,00
6500,000	820,00	779,23	0.	3,94	0.	140,68	350,00
6500,000	1125,00	779,86	0.	3,60	0.	156,53	350,00
6500,000	1900,00	781,15	1,29	3,45	0.	183,07	350,00
6550,000	465,00	779,30	0.	0,99	0.	117,53	50,00
6550,000	820,00	779,93	0.	0,70	0.	133,34	50,00
6550,000	1125,00	780,43	0.	0,56	0.	145,65	50,00
6550,000	1900,00	781,55	1,12	0,39	0.	170,96	50,00
* 6600,000	465,00	782,02	0.	2,72	0.	110,49	50,00
* 6600,000	820,00	782,76	0.	2,83	0.	128,93	50,00
* 6600,000	1125,00	783,15	0.	2,72	0.	138,64	50,00
* 6600,000	1900,00	783,93	0,79	2,39	0.	158,34	50,00
* 6660,000	465,00	785,99	0.	3,97	0.	223,82	60,00
* 6660,000	820,00	786,26	0.	3,50	0.	231,32	60,00
6660,000	1125,00	786,54	0.	3,39	0.	239,62	60,00
6660,000	1900,00	787,17	0,63	3,24	0.	258,33	60,00
* 6670,000	465,00	791,35	0.	5,36	0.	24,64	10,00
* 6670,000	820,00	792,44	0.	6,19	0.	28,74	10,00
* 6670,000	1125,00	793,15	0.	6,61	0.	31,27	10,00
* 6670,000	1900,00	794,87	1,72	7,69	0.	401,44	10,00

SUMMARY OF ERRORS

CAUTION SECNO= 500,000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 500,000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 6600,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6600,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6600,000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6600,000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6600,000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6600,000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 6660,000 PROFILE= 1 SLOPE TOO STEEP
CAUTION SECNO= 6660,000 PROFILE= 2 SLOPE TOO STEEP

CAUTION SECNO= 6670,000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6670,000 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6670,000 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 6670,000 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 6670,000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 6670,000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND			10'	2'	0.2'
100,000	0,	-0,9	-0,1	1,5			
125,000	25,	-0,9	-0,1	1,5			
150,000	50,	-0,9	-0,1	1,5			
175,000	75,	-0,9	-0,1	1,5			
200,000	100,	-0,9	-0,1	1,5			
250,000	150,	-0,9	-0,1	1,5			
300,000	200,	-0,9	-0,1	1,5			
350,000	250,	-0,8	-0,1	1,4			
400,000	300,	-1,4	-0,2	2,6			
450,000	350,	-1,2	-0,1	1,8			
500,000	400,	-1,1	-0,1	2,0			
550,000	450,	-1,1	-0,1	1,9			
600,000	500,	-1,1	-0,2	1,8			
650,000	550,	-0,9	-0,2	1,4			
700,000	600,	-0,7	-0,1	1,2			
750,000	650,	-1,1	-0,3	1,4			
800,000	700,	-1,1	-0,3	1,4			
850,000	750,	-1,4	-0,6	3,0			
900,000	800,	-1,7	-0,6	2,5			
950,000	850,	-1,6	-0,5	2,4			
1000,000	900,	-1,3	-0,4	2,2			
1050,000	950,	-1,8	-0,7	1,6			
1100,000	1000,	-2,2	-0,9	1,6			
1150,000	1050,	-1,5	-0,6	1,3			
1200,000	1100,	-1,1	-0,5	1,1			
1250,000	1150,	-1,1	-0,4	0,8			
1300,000	1200,	-0,5	-0,3	0,6			
1350,000	1250,	-1,8	-0,7	1,7			
WEIGHTED AVG FOR REACH		-1,1	-0,2	1,7			

FHF FOR THE REACH = 010 WITH 92,4% OF THE REACH WITHIN 0,5 FEET
 ZONE FOR THE REACH = A 2