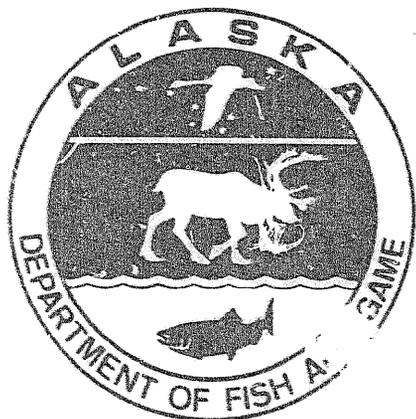


ALASKA DEPARTMENT OF FISH AND GAME  
SUSITNA HYDRO AQUATIC STUDIES

REPORT NO. 3 Part 1, Chapter 1 (Appendix)  
AQUATIC HABITAT AND INSTREAM FLOW  
INVESTIGATIONS (MAY-OCTOBER 1983)



ADFG/SU HYDRO  
PROVISIONAL DATA  
DATE \_\_\_\_\_

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Appendix Table 1-A-1 Mainstem Susitna River mean daily discharges determined by the USGS at their gaging station at Cantwell (15291500) for WY83 (Oct. 1982 - Sept. 1983).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5570	1800	1400	1300	1200	1200	1100	2000	19100	16800	17100	16000
2	5200	1800	1400	1300	1200	1200	1100	2100	16600	18200	17400	15000
3	5000	1800	1400	1300	1200	1200	1100	2400	22400	19100	17000	14600
4	4700	1800	1400	1300	1200	1200	1100	2600	24500	17500	16500	12400
5	4400	1800	1400	1300	1200	1200	1100	3000	19100	18800	16500	10900
6	4100	1700	1400	1300	1200	1200	1100	3400	16200	20100	18200	9760
7	4000	1700	1400	1300	1200	1200	1100	3800	15000	22900	18400	8910
8	4000	1700	1400	1300	1200	1200	1100	4300	13600	20800	16900	8370
9	4000	1700	1400	1300	1200	1200	1100	4500	12200	18200	22200	7920
10	4000	1700	1400	1300	1200	1200	1100	5400	11600	16400	22300	7700
11	3900	1600	1400	1300	1200	1200	1100	6200	12300	15200	18200	7610
12	3800	1600	1400	1300	1200	1200	1100	7400	12800	15200	16100	7260
13	3600	1600	1400	1300	1200	1200	1100	8400	12700	14900	16500	6790
14	3500	1600	1400	1300	1200	1200	1100	9200	12200	15200	18100	6570
15	3500	1600	1400	1300	1200	1200	1100	10000	12900	13400	17200	6620
16	3200	1500	1400	1300	1200	1100	1100	11000	14400	12300	16000	6450
17	3100	1500	1400	1300	1200	1100	1100	11200	16500	13200	14700	6830
18	3100	1500	1400	1300	1200	1100	1100	12000	15400	15000	14100	5610
19	3200	1500	1400	1300	1200	1100	1100	11600	15400	15300	12800	5450
20	3200	1500	1400	1300	1200	1100	1200	10500	17700	14000	12000	5700
21	2900	1500	1400	1300	1200	1100	1200	10500	17100	14800	13000	7750
22	2500	1500	1400	1300	1200	1100	1200	9630	17500	15000	15000	11800
23	2300	1500	1400	1300	1200	1100	1200	9720	18300	15700	14600	13000
24	2200	1500	1400	1300	1200	1100	1300	10300	18100	17600	17100	10500
25	2100	1500	1400	1300	1200	1100	1300	8960	17700	15800	19900	7700
26	2000	1500	1400	1300	1200	1100	1400	9720	18100	15000	23800	6700
27	2000	1500	1400	1300	1200	1100	1500	10500	18800	14700	21200	5780
28	1900	1500	1400	1300	1200	1100	1600	9040	19400	14200	17600	5400
29	1900	1500	1400	1300		1100	1700	10400	18700	14700	15600	5900
30	1900	1500	1400	1300		1100	1800	14900	17400	16000	14800	9500
31	1800		1400	1300		1100		19100		17100	16300	

1-A-1

Appendix Table 1-A-2 Mainstem Susitna River mean daily discharges determined by the USGS at their gaging station at Gold Creek (15292000) for WY83 (Oct. 1982 - Sept. 1983).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12400	4800	3000	2900	1900	1900	1500	3600	33000	23100	23000	25400
2	11700	4700	2900	2800	1900	1900	1500	3900	29000	24900	22400	25400
3	11000	4600	2900	2800	1900	1900	1500	4200	35000	26200	21600	23600
4	10500	4500	2900	2700	1900	1900	1500	4500	36000	24800	20900	21000
5	9800	4400	2800	2700	1900	1800	1500	4900	30000	25100	21700	18200
6	8960	4300	2800	2600	1900	1800	1500	5400	26000	26300	23800	16000
7	8640	4300	2800	2500	1900	1800	1500	5800	23000	27200	25000	14800
8	8480	4200	2700	2500	1900	1800	1500	6400	22000	27900	26000	13700
9	8440	4100	2700	2400	1900	1800	1500	7200	19400	26300	29900	13200
10	8480	4000	2700	2400	1900	1800	1500	8000	18000	22200	31900	12700
11	8220	4000	2600	2400	1900	1700	1500	9000	19000	20000	27700	12200
12	7950	3900	2600	2300	2000	1700	1500	10000	20000	19700	24500	11600
13	8040	3800	2600	2300	2000	1700	1600	12000	19900	19100	25900	11100
14	7800	3800	2600	2200	2100	1700	1600	13000	19000	19800	27400	10700
15	7110	3700	2600	2200	2100	1700	1600	15000	19600	18600	26800	10600
16	6750	3600	2500	2200	2100	1700	1700	17000	21600	16400	24600	10500
17	6660	3600	2500	2100	2100	1700	1700	19000	23300	16500	22700	10000
18	6720	3500	2500	2100	2100	1700	1800	20000	22900	18900	21000	9400
19	6900	3500	2400	2100	2100	1700	1800	21000	23000	20600	19200	8920
20	6800	3400	2400	2000	2100	1700	1900	21000	25000	18600	17800	9320
21	6500	3400	2400	2000	2100	1600	2000	20000	24000	18100	18900	11000
22	6200	3300	2400	2000	2100	1600	2000	19000	23600	18600	21600	13600
23	6000	3300	2400	2000	2100	1600	2100	18000	25400	19200	22700	17500
24	5900	3200	2400	2000	2000	1600	2300	17000	24000	22700	24700	15200
25	5700	3200	2300	2000	2000	1600	3400	16000	23300	21900	27400	12000
26	5600	3100	2300	2000	2000	1500	3500	16000	23000	19400	31700	10600
27	5400	3100	2400	2000	2000	1500	2700	17000	22000	18500	31000	9640
28	5300	3100	2400	2000	2000	1500	2900	16000	21900	17700	26600	9080
29	5200	3000	2600	2000		1500	3100	17000	26800	17300	23300	9400
30	5100	3000	2800	2000		1500	3300	25000	24700	19100	22900	11600
31	4900		2900	2000		1500		32000		27800	24800	

Appendix Table 1-A-3 Mainstem Susitna River mean daily discharges determined by the USGS at their gaging station at Sunshine (15292780) for WY83 (Oct. 1982 - Sept. 1983).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30600	7800	5600	6800	4600	4100	3100	8400	64000	64400	58300	60500
2	26400	7600	5600	6800	4600	4100	3100	9400	65300	65300	57700	65200
3	26600	7400	5600	6600	4600	4000	3100	11000	70100	67400	56300	59300
4	24800	7200	5500	6400	4500	4000	3100	12000	80800	64800	55400	50600
5	23000	7000	5500	6200	4500	3900	3200	13000	64800	65500	57400	42500
6	21400	7000	5500	6000	4500	3900	3200	15000	54200	70900	60200	36600
7	20600	6800	5500	5800	4500	3800	3200	17000	52700	72800	62000	35000
8	20000	6800	5500	5600	4500	3800	3200	20000	49100	67000	70900	33000
9	19400	6600	5500	5500	4500	3700	3200	22000	45400	70900	97700	32000
10	19100	6600	5500	5400	4600	3700	3200	25000	41900	63000	100000	30000
11	18400	6400	5500	5300	4700	3600	3300	28800	40800	57000	82700	28000
12	18000	6400	5500	5200	4800	3600	3300	32400	43200	54000	68800	27000
13	18800	6200	5500	5100	4900	3500	3400	35600	44700	54400	72700	25000
14	17700	6200	5500	5000	5000	3500	3400	36400	45200	54400	74000	24000
15	15800	6000	5500	5000	5000	3400	3500	37800	47100	51000	67200	23000
16	14600	6000	5500	4900	5100	3400	3600	40600	50100	47900	58000	22000
17	15200	6000	5500	4800	5100	3400	3700	42200	52900	46400	52400	21000
18	14700	6000	5500	4800	5000	3300	3900	42400	53300	48600	48900	21000
19	14600	6000	5500	4700	5000	3300	4000	43000	54800	50000	45700	20000
20	14400	6000	5500	4700	4900	3300	4200	41000	60400	49100	43000	20000
21	13200	5800	5500	4700	4800	3200	4400	40000	63000	47900	48400	22000
22	11600	5800	5500	4700	4700	3200	4600	38000	63600	48800	51100	25000
23	11200	5800	5500	4700	4600	3200	4800	37000	66400	50400	53200	27200
24	9920	5800	5400	4700	4500	3200	5000	35000	67000	55900	54100	25000
25	9200	5800	5400	4700	4400	3200	5400	34000	66200	52300	55300	20800
26	8920	5600	5400	4600	4300	3100	5800	34000	66400	46900	56000	18800
27	8840	5600	5400	4600	4200	3100	6200	34000	66000	44000	58800	18300
28	8400	5600	5600	4600	4200	3100	6800	37000	67700	43500	53000	18000
29	8200	5600	6400	4600		3100	7200	43000	68800	44600	47700	19000
30	8000	5600	6800	4600		3100	7800	50000	67000	48100	48600	31400
31	7800		6800	4600		3100		58000		54400	62500	

Appendix Table 1-A-4 Mainstem Yentna River mean daily discharges determined by the USGS at their gaging station near Susitna Station (15294345) for WY83 (OCT. 1982 - SEPT. 1983).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25900	7000	4600	4100	3000	3400	2700	14000	65200	50700	41800	27200
2	23100	7000	4600	4200	3000	3400	2600	16000	62100	50900	42200	27500
3	21400	7000	4600	4200	3000	3400	2600	18000	58400	49800	43100	27000
4	20900	7000	4600	4100	3000	3400	2600	20000	58600	48300	43300	24100
5	19100	6500	4400	4000	3000	3400	2550	22000	51300	49100	46200	21600
6	17500	6500	4400	3900	3000	3400	2500	23000	44500	51300	52000	19300
7	15400	6500	4400	3800	3000	3400	2500	24000	44000	57800	59000	17400
8	15000	6500	4400	3700	3000	3400	2500	24000	43800	53700	75000	16400
9	14200	6000	4400	3500	3000	3200	2500	23000	42600	51300	100000	16000
10	13600	6000	4400	3400	3000	3200	2500	24700	41700	48900	112000	15400
11	12700	6000	4200	3300	3100	3200	2500	24900	38500	46800	91200	15000
12	12500	6000	4200	3200	3200	3200	2500	25400	37600	45900	63400	14800
13	12600	6000	4200	3200	3300	3200	2600	26400	37300	47700	56600	14600
14	11900	5500	4200	3200	3400	3200	2700	29700	37100	49400	59200	15900
15	11400	5500	4000	3200	3400	3000	2800	31000	37100	49000	49900	19000
16	11000	5500	4000	3200	3400	3000	2900	28700	38500	47000	40400	16900
17	10500	5500	4000	3200	3400	3000	3100	26700	39200	46000	35600	13300
18	10500	5500	4000	3100	3400	3000	3300	26400	42000	45000	34600	12300
19	10000	5000	4000	3000	3400	3000	3500	26800	45000	43000	33600	11500
20	9500	5000	4000	3020	3400	3000	3800	27100	50000	41000	32600	11300
21	9500	5000	3800	3000	3400	3000	4100	27500	51000	39000	35300	12500
22	9000	5000	3800	3000	3400	3000	4600	28200	52000	38000	44300	14000
23	8500	5000	3800	3000	3400	2900	5200	28100	55000	40000	42500	13800
24	8500	5000	3800	3000	3400	2900	5800	28000	57500	42000	36400	12300
25	8000	4800	3800	3000	3400	2900	6800	27300	56300	37000	31100	11000
26	8000	4800	3800	3000	3400	2800	7800	26500	57300	32800	27300	10600
27	8000	4800	3800	3000	3400	2800	9000	26500	60200	32000	25200	10100
28	7500	4800	3800	3000	3400	2800	10000	25000	55800	32600	24500	9640
29	7500	4600	3800	3000		2800	11000	26000	52600	35500	25400	9640
30	7500	4600	3800	3000		2700	13000	29600	51700	39200	26300	12000
31	7000		4000	3000		2700		48500		41800	27700	

Appendix Table 1-A-5 Mainsten Susitna River mean daily discharges determined by the USGS at their gaging station at Susitna Station (15294350) for WY83 (Oct. 1982 - Sept. 1983).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67000	19000	12000	10500	7600	8200	6600	15000	105000	116000	98400	91800
2	63000	19000	12000	10500	7600	8200	6600	18000	115000	116000	100000	90800
3	60000	18000	12000	10000	7600	8200	6600	21000	125000	117000	101000	93900
4	56000	18000	11000	10000	7600	8000	6520	24000	130000	115000	99800	84200
5	50800	18000	11000	9500	7600	7800	6500	29000	120000	114000	103000	75500
6	45700	18000	11000	9500	7600	7600	6500	34000	110000	118000	107000	67800
7	42200	17000	11000	9200	7600	7600	6500	42000	100000	128000	107000	61800
8	40500	17000	11000	9000	7800	7400	6500	50000	90000	126000	116000	58100
9	38700	16000	10000	8600	7800	7400	6500	55900	80000	118000	183000	55900
10	37000	16000	10000	8400	7800	7400	6500	62000	75000	113000	218000	53800
11	35200	16000	10000	8200	8000	7200	6400	68000	70000	108000	182000	51800
12	33800	16000	10000	8000	8200	7200	6400	72000	70000	104000	134000	50300
13	34400	15000	10000	8000	8400	7000	6400	75000	75000	104000	122000	49100
14	34300	15000	10000	8000	8600	7000	6400	75000	80000	106000	129000	49000
15	32000	15000	10000	8000	8800	7000	6400	80000	80000	105000	121000	52000
16	29000	15000	9600	7800	9000	7000	6600	80000	90000	101000	105000	51400
17	29100	15000	9600	7800	9200	7000	6800	82000	95000	99200	94200	46600
18	29200	15000	9200	7800	9400	7000	6800	85000	100000	100000	89000	43100
19	27500	14000	9200	7800	9400	6800	7000	85000	100000	98600	84900	40700
20	28000	14000	9000	7800	9400	6800	7200	80000	105000	96200	81500	40200
21	27000	14000	9000	7800	9200	6800	7400	75000	110000	94900	82800	43000
22	25000	14000	8800	7800	9200	6800	7800	70000	116000	95300	95200	47900
23	24000	14000	8800	7800	9000	6600	8000	66000	120000	93300	96400	51400
24	23000	13000	8800	7800	9000	6600	8500	64000	124000	96600	95600	51900
25	22000	13000	8800	7800	8800	6600	9000	62000	122000	94200	92500	45900
26	21000	13000	8800	7800	8600	6600	9500	64000	123000	88600	87600	40900
27	21000	13000	8800	7800	8600	6600	10500	66000	125000	83800	87600	39000
28	20000	12000	8800	7600	8400	6600	11500	70000	122000	82500	85800	37300
29	20000	12000	9000	7600		6600	12500	75000	120000	84500	81500	35000
30	19000	12000	9400	7600		6600	14000	85000	119000	88700	79800	46000
31	19000		10000	7600		6600		95000		94000	85800	

Appendix Table 1-A-6 Comparison of mainstem water surface elevations to mean daily mainstem discharge (cfs) obtained at the USGS gaging station at Gold Creek, (15292000).

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT WHISKERS SLOUGH MOUTH (101.2M4 AT R.M. 101.2)	831103	1525	362.57	4,500
	831027	1655	362.60	5,020
	821012	1633	362.73	7,950
	821009	1030	362.89	8,440
	821007	1415	362.96	8,640
	831011	1445	363.22	9,520
	830916	0940	363.29	10,500
	820822	1630	363.44	12,200
	830911	1010	363.55	12,200
	820823	1124	363.47	12,300
	831001	1505	363.83	13,200
	820909	1250	363.64	13,400
	820813	1420	363.70	13,600
	820927	1825	363.83	13,800
	820903	1545	363.97	14,600
	820831		364.07	16,000
	820807	1347	364.13	16,500
	820808	1950	364.22	16,600
	830529	1045	364.14	17,000
	830720	1835	364.40	18,600
	830722	1850	364.45	18,600
	830720	0900	364.49	18,600
	830822	1220	364.76	21,600
	830805	1635	364.82	21,700
	830619	1125	364.90	23,000
	830619	1830	364.99	23,000
	830617	1142	364.95	23,300
	830621	1730	365.24	24,000
	820920	1450	365.39	24,000
	830807	1450	365.25	25,000
	820715	1110	365.38	25,600
	830808	1920	365.63	26,000
	830703	1645	365.22	26,200
830706	1405	365.27	26,300	
830828	1052	365.53	26,600	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT WHISKERS SLOUGH HEAD (101.5MG AT R.M. 101.5)	831103	1520	365.11	4,500
	831027	1650	365.19	5,020
	831020	1645	365.71	7,230
	831011	1441	365.92	9,520
	830916	1020	366.03	10,500
	830911	0930	366.33	12,200
	831001	1530	366.60	13,200
	830716	1145	366.82	16,400
	830529	1045	366.85	17,000
	830720	1830	367.16	18,600
	830722	1825	367.23	18,600
	830822	1255	367.64	21,600
	830805	1630	367.72	21,700
	830619	1120	367.68	23,000
	830617	1735	367.86	23,300
	830807	1455	368.07	25,000
	830808	1900	368.36	26,000
830703		368.02	26,200	
830706	1400	368.11	26,300	
830828	1055	368.24	26,600	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
TALKEETNA FISHWHEEL STATION (103.0FI AT R.M. 103.0)	821012	1150	374.90	7,950
	821011	1325	374.97	8,220
	821009	1350	375.04	8,440
	821010	1310	375.06	8,480
	821008	1300	375.07	8,480
	821006	1305	375.26	8,960
	831011	1439	375.46	9,520
	831005	1100	375.73	10,300
	830916	1110	375.71	10,500
	830915	0947	375.74	10,600
	830921	1557	375.76	11,000
	831004	1005	376.18	11,400
	830912	0920	375.99	11,600
	820908	1535	375.99	11,900
	820822	1000	375.98	12,200
	820829	1000	376.00	12,200
	820821	1415	376.05	12,200
	830911	0910	376.13	12,200
	820823	1000	376.02	12,300
	820828	1725	376.10	12,400
	820929	1345	376.12	12,400
	820930	0830	376.09	12,500
	820820	1100	376.12	12,500
	820827	1715	376.24	12,900
	820928	1410	376.27	12,900
	831003	1140	376.45	13,000
	820912	1420	376.33	13,200
	831001	1900	376.51	13,200
	820909	1440	376.32	13,400
	830922	0910	376.04	13,600
	820814	1505	376.39	13,600
	820911	1530	376.39	13,600
	820905	2030	376.43	13,600
	820927	1610	376.47	13,800
831002	0840	376.66	13,800	
820910	1440	376.60	14,400	
820812	2000	376.61	14,400	
820815	1300	376.58	14,800	
820925	1410	376.76	15,000	
820913	1520	376.72	15,200	
820816	0930	376.80	15,600	
830526	0830	376.83	16,000	
830525	1450	377.07	16,000	
830525	0830	377.21	16,000	
830716	1100	376.88	16,400	

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Appendix Table I-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
TALKEETNA FISHWHEEL STATION (103.0F1 AT R.M. 103.0) (continued)	830717	0900	376.78	16,500
	820707	1715	376.86	16,600
	830529	0830	376.91	17,000
	830527	0830	377.15	17,000
	830524	0800	377.22	17,000
	820924	1530	377.13	17,100
	830729	0925	376.96	17,300
	830923	0900	377.08	17,500
	830728	0920	377.08	17,700
	830820	0855	377.18	17,800
	830523	0803	377.24	18,000
	830610	0830	377.32	18,000
	830721	1000	377.05	18,100
	830727	0915	377.22	18,500
	830722	1015	377.21	18,600
	830720	0900	377.32	18,600
	830715	1000	377.37	18,600
	830718	0900	377.03	18,900
	830821	0915	377.23	18,900
	830611	0900	377.18	19,000
	830522	1000	377.33	19,000
	830614	0815	377.43	19,000
	830730	0840	377.12	19,100
	830713	1000	377.26	19,100
	830723	1030	377.18	19,200
	830819	0910	377.49	19,200
	830726	0910	377.42	19,400
	820923	1800	377.53	19,400
	830609	0800	377.66	19,400
	830615	0800	377.38	19,600
	830712	1000	377.33	19,700
	830714	1000	377.38	19,800
	830613	0815	377.50	19,900
	830521	1000	377.37	20,000
	830612	0830	377.39	20,000
	830711	1000	377.47	20,000
	820914	1510	377.75	20,200
	830719	0900	377.63	20,600
	830804	2010	377.69	20,900
	830520	1245	377.35	21,000
830519	1000	377.64	21,000	
830818	1005	377.78	21,000	
830616	0900	377.61	21,600	
830822	0910	377.66	21,600	
830803	0930	377.74	21,600	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WHL. (ft)	DISCHARGE (cfs)
TALKEETNA FISHWHEEL STATION (103.0F1 AT R.M. 103.0) (continued)	830805	0950	377.71	21,700
	820721	2400	377.92	21,900
	830725	0915	377.94	21,900
	830628	0800	378.51	21,900
	830608	0800	378.04	22,000
	830627	0800	378.19	22,000
	820710	1000	377.93	22,200
	820922	1255	378.20	22,300
	830802	0910	377.94	22,400
	820802	1425	378.21	22,500
	830724	1010	377.89	22,700
	830823	0835	377.93	22,700
	830731	1110	377.79	22,800
	830618	0900	378.18	22,900
	830619	0900	377.94	23,000
	830619	1140	377.99	23,000
	830801	0855	378.01	23,000
	830626	0800	378.05	23,000
	830607	0800	378.39	23,000
	830701	1200	377.95	23,100
	830617	0905	378.03	23,300
	830625	0830	378.25	23,300
	830622	0800	378.29	23,600
	820729	1630	378.31	23,600
	830806	0920	377.96	23,800
	830624	0825	378.35	24,000
	830621	0850	378.36	24,000
	820920	1610	378.51	24,000
	820921	1340	378.41	24,200
	830709	1000	378.29	24,300
	830812	0820	378.44	24,500
	830824	0815	378.00	24,700
	830630	0800	378.28	24,700
	830704	0900	378.22	24,800
	830702	1000	377.89	24,900
	820719	0715	378.42	24,900
830530	0830	377.88	25,000	
830620	0900	378.14	25,000	
830807	0920	378.40	25,000	
830530	1535	378.41	25,000	
830530	1845	378.72	25,000	
830530	2310	378.86	25,000	
830705	1000	378.03	25,100	
830623	0820	378.34	25,400	
820718	2300	378.43	25,400	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
TALKEETNA FISHWHEEL STATION (103.0FI AT R.M. 103.0) (continued)	820716	1300	378.42	25,600
	830813	0745	378.43	25,900
	830808	0905	378.35	26,000
	830606	0930	378.58	26,000
	830703	1000	378.35	26,200
	830706	1100	378.42	26,300
	820801	1645	378.76	26,400
	820730	1320	378.90	26,400
	830828	0925	378.82	26,600
	830629	0900	378.58	26,800
	820724	1345	378.87	26,800
	820918	1217	379.02	26,800
	820625	2200	378.99	27,000
	830707	0900	378.48	27,200
	820714	0745	378.81	27,300
	830825	0835	378.60	27,400
	830811	0850	379.25	27,700
	830708	1200	378.98	27,900
	820731	1100	379.24	28,400
	830602	0810	379.07	29,000
	820727	1535	379.24	29,100
	830809	0950	379.00	29,900
	830605	0900	379.68	30,000
	830827	0710	379.55	31,000
	830826	0815	379.11	31,700
	820726	1430	379.88	31,800
	830810	0910	379.75	31,900
	820725	1255	379.95	31,900
	830531	0815	379.15	32,000
	830531	1805	379.75	32,000
	820916	1445	380.01	32,500
	830601	0800	379.66	33,000
	830601	1800	379.90	33,000
830603	0830	379.06	35,000	
830603	1150	379.31	35,000	
830603	2245	380.58	35,000	
830604	0815	380.45	36,000	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LRX 9 (103.2MI AT R.M. 103.2)	831020	1640	377.97	7,230
	831011	1434	378.51	9,520
	830917	0850	378.60	10,000
	830916	1112	378.76	10,500
	830915	1004	378.76	10,600
	830911	1500	379.18	12,200
	830923	0921	380.41	17,500
	830722	1240	380.64	18,600
	830805	1605	381.51	21,700
	830704	1110	381.70	24,800
	830807	1030	381.96	25,000
	830808	1030	381.92	26,000
	830808	1810	382.54	26,000
	830706	1245	382.02	26,300
	830828	1100	382.71	26,600
830825	1033	382.30	27,400	
830827	0910	383.46	31,000	
830826	0920	383.00	31,700	

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Appendix Table 1-A-6

continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
RIGHT BANK AT LRX 10B (105.9MI AT R.H. 105.9)	831103	1506	400.18	4,500
	831020	1630	400.92	7,230
	831011	1431	401.34	9,520
	830916	1205	401.28	10,500
	830915	1012	401.31	10,600
	830912	0930	401.49	11,600
	831003	1255	401.78	13,000
	830528	1845	402.19	16,000
	830529	1615	402.36	17,000
	830720	1820	402.39	18,600
	830612	1130	402.56	20,000
	830822	1515	402.89	21,600
	830805	1600	402.92	21,700
	830619	1110	402.98	23,000
	830808	1804	403.71	26,000
	830706	1240	403.40	26,300
830828	1115	403.65	26,600	
830826	0930	404.09	31,700	

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Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 10C (106.4MI AT R.M. 106.4)	831020	1630	406.16	7,230
	831011	1430	406.53	9,520
	830916	1235	406.59	10,500
	830915	1014	406.64	10,600
	830912	0940	406.81	11,600
	831003	1310	407.15	13,000
	830528	1815	407.51	16,000
	830529	1650	407.58	17,000
	830529	1430	407.65	17,000
	830720	1820	407.74	18,600
	830612	1143	407.94	20,000
	830822	1525	408.21	21,600
	830805	1555	408.05	21,700
	830619	1105	408.22	23,000
	830808	1800	408.86	26,000
	830706	1230	408.55	26,300
	830828	1115	408.79	26,600
830826	0935	409.09	31,700	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 11 (106.7MI AT R.M. 106.7)	831103	1500	406.61	4,500
	831020	1625	407.63	7,230
	831011	1427	407.97	9,520
	830916	1310	408.07	10,500
	830915	1016	408.11	10,600
	830912	0945	408.31	11,600
	831003	1320	408.67	13,000
	830528	1720	409.09	16,000
	830529	1700	409.24	17,000
	830720	1815	409.45	18,600
	830512	1200	409.59	20,000
	830822	1550	409.91	21,600
	830805	1550	410.03	21,700
	830619	1100	410.00	23,000
	830808	1758	410.71	26,000
830706	1230	410.41	26,300	
830828	1115	410.67	26,600	
830826	0940	410.96	31,700	

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Appendix Table 1-A-6 continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
LEFT BANK AT LRX 12 (108.4MI AT R.M. 108.4)	831103	1450	421.39	4,500
	831020	1625	421.65	7,230
	831011	1424	421.97	9,520
	830916	1345	422.02	10,500
	830915	1022	422.08	10,600
	830912	0955	422.31	11,600
	831003	1350	422.80	13,000
	830528	1630	423.24	16,000
	830529	1745	423.44	17,000
	830529	1740	423.54	17,000
	830720	1805	423.52	18,600
	830612	1215	423.75	20,000
	830822	1600	424.17	21,600
	830805	1540	424.12	21,700
	830619	0930	424.17	23,000
	830808	1750	424.97	26,000
830706	1225	424.62	26,300	
830826	1030	425.38	31,700	

1-A-16

Appendix Table 1-A-6 continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
MAINSTEM AT SLOUGH 6A MOUTH (112.3WI AT R.M. 112.3)	821006	1600	455.06	8,960
	820807	1205	456.43	16,500
	820722	1550	457.11	22,400
	820729	1445	457.29	23,600
	820921	1000	457.41	24,200
	820723	1100	457.27	24,900
	820917	1720	458.22	32,000

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LRX 16 (112.4M2 AT R.H. 112.4)	830917	0945	455.64	10,000
	830916	1412	455.71	10,500
	830915	1042	455.71	10,600
	831004	1125	456.11	11,400
	830912	1140	455.92	11,600
	830922	1823	455.95	13,600
	830528	1254	456.60	16,000
	830528	1240	456.85	16,000
	830720	1750	457.02	18,600
	830722	1710	457.09	18,600
	830612	1300	457.19	20,000
	830822	1717	457.49	21,600
	830805	1518	457.42	21,700
	830619	0950	457.46	23,000
	830824	1630	457.73	24,700
	830807	1535	457.76	25,000
830808	1733	457.98	26,000	
830706	1210	457.86	26,300	
830809	1500	458.25	29,900	
830826	1045	458.31	31,700	

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Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 18 (113.0MI AT R.M. 113.0)	831103	1436	459.27	4,500
	831027	1630	459.56	5,020
	831020	1620	460.43	7,230
	821012	1623	459.92	7,950
	821008	1500	460.14	8,480
	831011	1324	460.68	9,520
	821004	1325	460.65	10,500
	830916	1416	460.90	10,500
	830915	1050	460.93	10,600
	831004	1210	461.26	11,400
	830912	1230	461.16	11,600
	820909	1645	461.36	13,400
	830922	1820	461.63	13,600
	820903	1600	461.64	14,600
	820831		461.66	16,000
	820920	1518	462.89	24,000
	830824	1625	463.27	24,700
	830807	1820	463.27	25,000
	830808	1055	463.37	26,000
	830808	1728	463.66	26,000
	830825	1105	463.51	27,400
830825	1845	464.07	27,400	
830825	1010	464.25	27,400	
830826	1535	464.33	31,700	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM BELOW LANE CREEK MOUTH (113.4MG AT R.M. 113.4)	831103	1431	462.19	4,500
	831020	1620	463.64	7,230
	831011	1321	464.03	9,520
	830916	1418	464.32	10,500
	830915	1052	464.43	10,600
	831004	1220	464.68	11,400
	830912	1310	464.52	11,600
	830912	1145	464.54	11,600
	830922	1815	465.14	13,600
	830528	1045	465.48	16,000
	830716	1135	465.38	16,400
	830720	1635	465.83	18,600
	830615	1820	466.07	19,600
	830612	1320	466.03	20,000
	830616	1620	466.35	21,600
	830805	1500	466.37	21,700
	830619	1000	466.34	23,000
	830807	1540	466.87	25,000
	830808	1705	467.26	26,000
	830706	1200	466.89	26,300
830825	1655	467.19	27,400	
830826	1545	468.12	31,700	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT LANE CREEK MOUTH (113.6M9 AT R.M. 113.6)	830716	1140	466.73	16,400
	830820	1307	467.09	17,800
	830710	1100	467.73	22,200
	830625	1030	467.72	23,300
	830622	1100	467.75	23,600
	830622	1242	467.75	23,600
	830807	1540	467.87	25,000
	830623	1030	467.92	25,400
	830808	1720	468.18	26,000
	830825	1730	468.13	27,400
	830814	1140	468.23	27,400
	830826	1545	468.87	31,700

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM ABOVE LANE CREEK MOUTH (113.7MS AT R.M. 113.7)	831103	1425	464.53	4,500
	831020	1615	465.91	7,230
	831011	1319	466.26	9,520
	830916	1421	466.55	10,500
	830915	1056	466.65	10,600
	831004	1225	466.91	11,400
	830912	1505	466.84	11,600
	830912	1121	466.86	11,600
	830922	1817	467.61	13,600
	830528	0950	468.35	16,000
	830716	1230	468.06	16,400
	830720	1630	468.52	18,600
	830615	1730	468.71	19,600
	830612	1330	468.71	20,000
	830805	1455	469.23	21,700
	830710	1201	469.25	22,200
	830802	1130	469.24	22,400
	830619	1000	469.17	23,000
	830530	1750	470.61	25,000
	830808	1700	470.09	26,000
830706	1200	469.68	26,300	
830825	1700	470.13	27,400	
830809	1920	470.51	29,900	
830826	1550	470.62	31,700	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM ABOVE MAINSTEM 2 MOUTH (114.4MI AT R.M. 114.4)	831011	1316	475.02	9,520
	830916	1830	475.15	10,500
	830915	1100	475.17	10,600
	831004	1325	475.34	11,400
	830922	1800	475.65	13,600
	830720	1300	476.30	18,600
	830612	1540	476.47	20,000
	830805	1430	476.82	21,700
	830619	1010	476.83	23,000
	830806	1930	477.06	23,800
	830824	1440	477.21	24,700
	830808	1120	477.30	26,000
	830706	1150	477.36	26,300
	830825	1120	477.54	27,400
830826	1800	478.53	31,700	

1-A-23

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM A/B MAINSTEM 2 NW HEAD (115.5M4 AT P.M. 115.5)	831103	1415	479.84	4,500
	831020	1610	480.99	7,230
	831011	1312	481.39	9,520
	831005	1145	481.71	10,300
	830916	1755	481.62	10,500
	830915	1104	481.65	10,600
	830912	1705	481.88	11,600
	830922	1805	482.47	13,600
	830526	1630	482.92	16,000
	830721	1950	483.23	18,100
	830720	1250	483.30	18,600
	830611	1430	483.24	19,000
	830611	1345	483.49	19,000
	830805	1250	483.84	21,700
	830619	1015	483.91	23,000
	830806	1920	484.12	23,800
	830824	1355	484.24	24,700
	830530	1537	484.53	25,000
	830808	1118	484.39	26,000
	830706	1145	484.39	26,300
830825	1130	484.57	27,400	
830826	1835	485.50	31,700	

1-A-24

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL. (ft)	DISCHARGE (cfs)
MAINSTEM A/B MAINSTEM 2 NE HEAD (115.9M2 AT R.M. 115.9)	831103	1410	481.15	4,500
	831027	1620	481.67	5,020
	831020	1600	482.42	7,230
	831011	1307	483.07	9,520
	831005	1205	483.40	10,300
	830916	1710	483.31	10,500
	830915	1109	483.31	10,600
	830912	1710	483.59	11,600
	830922	1808	484.24	13,600
	830526	1515	484.58	16,000
	830721	1940	485.08	18,100
	830720	1200	485.20	18,600
	830611	1430	485.04	19,000
	830612	1345	485.52	20,000
	830805	1240	485.74	21,700
	830619	1020	485.78	23,000
	830806	1915	486.13	23,800
	830824	1340	486.19	24,700
	830530	1430	486.35	25,000
	830808	1116	486.43	26,000
830706	1136	486.37	26,300	
830825	1130	486.62	27,400	
830827	1020	487.45	31,000	
830826	1840	487.62	31,700	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LHX 24 (120.7MI AT R.M. 120.7)	831103	1400	519.93	4,500
	831027	1605	520.17	5,020
	831020	1600	521.08	7,230
	821012	1617	520.88	7,950
	821008	1300	521.04	8,480
	831011	1253	521.48	9,520
	831005	1320	521.72	10,300
	821004	1139	521.60	10,500
	830916	1447	521.67	10,500
	830915	1625	521.73	10,600
	820907	1000	521.70	11,700
	820908	0930	521.72	11,900
	820829	1500	521.82	12,200
	820906	1800	521.82	12,200
	820930	1652	522.06	12,500
	831003	0954	521.79	13,000
	820830	1330	522.01	13,100
	820912	1030	522.06	13,200
	820909	1645	522.08	13,400
	820911	1030	522.12	13,600
	820910	0945	522.22	14,400
	820903	1350	522.35	14,600
	820913	1220	522.49	15,200
	830924	1650	522.59	15,200
	820831	1230	522.58	16,000
	820914	1600	523.18	20,200
	830619	1230	523.66	23,000
	820919	1226	524.05	24,100
	830824	1224	523.90	24,700
	830807	1250	524.00	25,000
830828	1357	524.01	26,600	
830809	1010	524.46	29,900	
830827	1040	524.90	31,000	

Appendix Table 1-A-6      continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 28 (124.4MI AT R.M. 124.4)	831103	1355	550.82	4,500
	821008	1000	552.39	8,480
	831011	1248	552.58	9,520
	821004	1129	553.14	10,500
	830916	1420	553.20	10,500
	830915	1558	553.24	10,600
	830914	1815	553.28	10,700
	820930	1352	553.80	12,500
	831003	1453	553.90	13,000
	820909	1645	554.17	13,400
	820903	1233	554.47	14,600
	820902	1836	554.61	16,000
	830615	1700	555.63	19,600
	830804	1601	556.34	20,900
	830805	1150	556.14	21,700
	830823	1030	556.25	22,700
	830619	1148	556.26	23,000
	820919	1201	556.77	24,100
	830630	1215	556.52	24,700
	830706	1210	556.54	26,300
830828	1548	556.88	26,600	
830825	1224	557.03	27,400	
830809	1035	557.38	29,900	
830827	1055	557.72	31,000	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL AT SLOUGH 8A MOUTH (125.3M4 AT R.M. 125.3)	830924	1150	562.54	15,200
	830721	1100	562.77	18,100
	830718	1200	562.93	18,900
	830804	1523	563.09	20,900
	830803	1505	563.21	21,600
	830607	1430	563.42	23,000
	830630	1220	563.33	24,700
	830623	1015	563.54	25,400
	830902	1630	563.55	25,400
	830606	1700	563.54	26,000
	830814	1345	563.71	27,400
	830809	1040	563.87	29,900
	830809	1730	564.13	29,900
	830605	1005	564.07	30,000
	830827	1115	564.09	31,000
830604	1750	564.68	36,000	
830604	1000	564.78	36,000	

1-A-28

Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRK 29 (125.3M3 AT R.M. 126.1)	821012	1608	568.41	7,950
	831011	1238	569.18	9,520
	821004	1123	569.51	10,500
	821001	1100	570.02	12,400
	820909	1640	570.41	13,400
	820831		570.91	16,000
	830716	1930	571.45	16,400
	830721	1920	571.89	18,100
	830720	1115	572.00	18,600
	830615	1448	572.16	19,600
	830805	1130	572.54	21,700
	830823	1000	572.64	22,700
	830619	1142	572.61	23,000
	830625	1010	572.86	23,300
	820920	1131	572.18	24,000
	830630	1540	572.80	24,700
	830630	1220	573.23	24,700
	830623	0948	573.16	25,400
	830706	1159	573.11	26,300
	830828	1544	573.15	26,600
	830825	1234	573.35	27,400
	830809	1415	572.81	29,900
	830605	1015	573.88	30,000
	830827	1240	573.96	31,000
	830531	1308	574.12	32,000
	830603	1900	574.75	35,000
	830604	1800	574.60	36,000
830604	1000	574.75	36,000	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM ABOVE SLOUGH 8A NE HEAD (125.3MG AT R.M. 127.1)	830916	1411	579.98	10,500
	830914	1630	580.08	10,700
	830721	1915	581.44	18,100
	830720	1125	581.54	18,600
	830718	1015	581.95	18,900
	830615	1150	581.70	19,600
	830804	2033	581.78	20,900
	830805	1120	582.05	21,700
	830823	0930	582.06	22,700
	830619	1140	582.29	23,000
	830825	1341	582.77	27,400
830827	1210	583.37	31,000	

1-A-30

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 31 (128.7MI AT R.M. 128.7)	831103	1330	594.34	4,500
	831027	1550	594.50	5,020
	831020	1545	595.54	7,230
	821012	1605	595.05	7,950
	831011	1222	595.92	9,520
	821004	1117	595.95	10,500
	830916	1407	596.13	10,500
	830914	1320	596.17	10,700
	821001	1259	596.39	12,400
	831003	1530	596.71	13,000
	820909	1640	596.92	13,400
	820903	1220	597.15	14,600
	820902	1619	597.29	16,000
	830614	1336	597.71	19,000
	830818	1540	597.94	21,000
	830805	1100	598.07	21,700
	830805	1100	598.15	21,700
	820919	1103	598.38	24,100
	830808	1845	598.72	26,000
	830828	1533	598.50	26,600
830825	1446	598.66	27,400	
830810	0935	599.39	31,900	

1-A-31

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 32 (129.7MI AT R.M. 129.7)	831103	1330	606.05	4,500
	831027	1540	606.15	5,020
	831020	1540	606.53	7,230
	831011	1216	606.70	9,520
	830916	1402	606.81	10,500
	830914	1355	606.82	10,700
	831003	1533	607.11	13,000
	830720	1105	607.40	18,600
	830613	1644	607.54	19,900
	830818	1545	607.61	21,000
	830803	1240	607.57	21,600
	830805	1055	607.61	21,700
	830805	1438	607.61	21,700
	830619	1133	607.66	23,000
	830630	1150	607.76	24,700
	830630	1152	607.76	24,700
	830623	1400	607.90	25,400
	830808	1840	607.96	26,000
	830706	1109	607.81	26,300
	830828	1530	607.81	26,600
830825	1450	607.91	27,400	
830809	1745	608.36	29,900	
830810	0940	608.38	31,900	

1-A-32

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 33 (130.1MI AT R.M. 130.1)	831103	1140	611.13	4,500
	831027	1515	611.28	5,020
	831020	1540	611.82	7,230
	831011	1213	612.14	9,520
	830916	1400	612.25	10,500
	830914	1430	612.26	10,700
	831003	1534	612.32	13,000
	830720	1100	613.16	18,600
	830614	1216	613.11	19,000
	830819	1131	613.49	19,200
	830818	1545	613.36	21,000
	830803	1230	613.43	21,600
	830805	1050	613.41	21,700
	830623	1400	613.76	25,400
	830808	1840	613.81	26,000
	830706	1056	613.63	26,300
	830828	1529	613.71	26,600
830825	1451	613.75	27,400	
830809	1750	614.21	29,900	
830810	0940	614.22	31,900	

Appendix Table I-A-6 continued

LOCATION	DATE	TIME	WSEL. (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 34 (130.5MI AT R.M. 130.5)	831103	1130	613.78	4,500
	831027	1505	614.09	5,020
	831020	1535	615.12	7,230
	831011	1207	615.32	9,520
	830916	1358	615.55	10,500
	830914	1510	615.53	10,700
	831003	1535	616.01	13,000
	830720	1055	616.97	18,600
	830614	1140	616.93	19,000
	830818	1550	617.27	21,000
	830803	0940	617.37	21,600
	830805	1050	617.33	21,700
	830619	1130	617.54	23,000
	830630	1157	617.54	24,700
	830623	1400	617.89	25,400
	830808	1835	617.94	26,000
	830706	1105	617.74	26,300
830828	1527	617.77	26,600	
830825	1453	617.84	27,400	
830809	1800	618.09	29,900	
830810	0945	618.46	31,900	

P2-V

Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRK 35 (130.9MI AT R.M. 130.8)	831103	1122	615.29	4,500
	831027	1500	615.62	5,020
	831020	1535	616.52	7,230
	821004	1107	617.14	10,500
	830916	1355	617.23	10,500
	821001	1406	617.58	12,400
	830910	1143	617.81	12,700
	831003	1534	617.87	13,000
	830909	1143	617.81	13,200
	820909	1630	618.05	13,400
	820903	1210	618.28	14,600
	820902	1518	618.47	16,000
	820831		618.55	16,000
	830613	1450	619.19	19,900
	830818	1550	619.37	21,000
	830803	1604	619.40	21,600
	830803	0945	619.48	21,600
	830805	1045	619.42	21,700
	830823	1102	619.56	22,700
	830619	1127	619.55	23,000
	820919	1040	619.86	24,100
	830623	1400	620.17	25,400
	830808	1723	620.27	26,000
	830808	1835	620.27	26,000
	830828	1525	620.00	26,600
	830825	1455	620.26	27,400
	820915	1047	620.66	28,200
830809	1800	620.97	29,900	
830826	1121	620.97	31,700	
830810	0945	621.07	31,900	
820917	1016	621.08	32,000	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM R/L 4TH OF JULY CR (131.1M3 AT R.M. 131.1)	821012	1603	615.17	7,950
	831011	1158	615.53	9,520
	830912	1452	615.46	11,600
	820907	1750	615.64	11,700
	820822	1340	615.63	12,200
	830910	1058	615.59	12,700
	831003	1540	615.55	13,000
	820813	1235	615.69	13,600
	820818	1735	615.74	14,200
	820902	1705	616.01	16,000
	830613	1415	616.11	19,900
	830803	1700	616.38	21,600
	830803	1550	616.41	21,600
	830803	1115	616.53	21,600
	830822	1230	616.56	21,600
	830805	1430	616.52	21,700
	830823	1037	616.67	22,700
	830624	1644	617.23	24,000
	830709	1130	616.74	24,300
	830808	1653	617.73	26,000
830828	1523	617.28	26,600	
830828	1602	617.31	26,600	
820915	1100	618.19	28,200	
830826	1115	618.55	31,700	
820917	1104	618.72	32,000	

1-A-36

Appendix Table 1-A-6 continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
LEFT BANK AT LRX 37 (131.8MI AT R.M. 131.8)	831103	1115	626.49	4,500
	831027	1450	626.80	5,020
	831020	1530	627.26	7,230
	831011	1155	627.47	9,520
	830916	1352	627.81	10,500
	830910	1221	628.31	12,700
	831003	1242	628.21	13,000
	830614	1033	629.33	19,000
	830803	1608	629.84	21,600
	830805	1426	629.00	21,700
	830823	1020	629.92	22,700
	830619	1122	629.90	23,000
	830808	1653	630.80	26,000
	830828	1521	630.36	26,600
	830825	1459	630.56	27,400
	830826	1125	631.00	31,700
830810	1240	631.12	31,900	

Appendix Table 1-A-6 . continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT SIDP CHANNEL 10 MOUTH (133.8M6 AT R.M. 133.8)	831103	1110	649.62	4,500
	831027	1445	649.96	5,020
	831019	1258	650.47	8,010
	831011	1149	650.77	9,520
	830916	1346	650.86	10,500
	831003	1237	651.18	13,000
	830717	1724	651.53	16,500
	830729	1839	651.58	17,300
	830728	1410	651.63	17,700
	830727	1015	651.70	18,500
	830730	1112	651.78	19,100
	830726	1300	651.73	19,400
	830803	1638	651.92	21,600
	830805	1422	651.92	21,700
	830725	1020	651.98	21,900
	830710	1755	651.88	22,200
	830724	1020	652.03	22,700
	830823	1120	652.07	22,700
	830731	1122	652.06	22,800
	830618		651.96	22,900
	830619	1116	651.96	23,000
	830626	1400	652.33	23,000
	830625	1630	652.18	23,300
	830622	1805	652.18	23,600
	830806	1100	652.13	23,800
	830624	1026	652.18	24,000
	830623	1400	652.33	25,400
	830813	1225	652.43	25,900
	830808	1150	652.28	26,000
	830808	1649	652.43	26,000
	830828	1516	652.26	26,600
	830629	1520	652.31	26,800
	830825	1505	652.48	27,400
830810	1345	653.08	31,900	
830810	0848	653.26	31,900	

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Appendix Table 1-A-6

continued

LOCATION	DATE	TIDE	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LRX 40 (134.3MI AT R.M. 134.3)	831103	1105	654.75	4,500
	831027	1430	654.99	5,020
	821012	1601	655.44	7,950
	831019	1255	655.57	8,010
	831011	1146	655.80	9,520
	821004	1059	655.83	10,500
	830916	1344	655.90	10,500
	830911	1434	656.06	12,200
	821001	1631	655.99	12,400
	830910	1303	656.13	12,700
	830910	1713	656.15	12,700
	831003	1235	655.99	13,000
	830909	1624	656.17	13,200
	820909	1430	656.24	13,400
	820902	1452	656.47	16,000
	820831		656.49	16,000
	830729	1730	656.71	17,300
	830728	1410	656.84	17,700
	830727	1015	656.93	18,500
	830713	1605	656.84	19,100
	830730	1115	656.94	19,100
	830609	1132	656.91	19,400
	830613	1107	656.94	19,900
	820914	1815	657.12	20,200
	830803	1840	657.19	21,600
	830805	1420	657.33	21,700
	830725	1020	657.29	21,900
	830608	1736	657.26	22,000
	830608	1135	657.27	22,000
	830710	1755	657.21	22,200
	830823	1322	657.41	22,700
	830724	1528	657.47	22,700
	830731	1125	657.47	22,800
830610	1115	657.41	23,000	
830607	1637	657.59	23,000	
830625	1630	657.69	23,300	
830622	1805	657.94	23,600	
830806	1100	657.57	23,800	
830624	1026	657.67	24,000	
820919	1006	657.60	24,100	
830709	1520	657.51	24,300	
830702	1655	657.66	24,900	
830813	1225	657.89	25,900	
830606	1045	657.74	26,000	
830808	1148	657.87	26,000	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LRX 40 (134.3MI AT R.M. 134.3) (continued)	830808	1648	658.07	26,000
	830825	1508	658.04	27,400
	830708	1615	657.94	27,900
	820915	1119	658.37	28,200
	830605	1430	658.17	30,000
	830826	1728	658.74	31,700
	830810	1340	658.59	31,900
	830810	0844	658.69	31,900
	820917	1005	658.67	32,000

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT SLOUGH 16B MOUTH (138.0M2 AT R.M. 138.0)	831103	1036	693.24	4,500
	831027	1245	693.60	5,020
	831020	0935	694.50	7,230
	821012	1551	694.22	7,950
	831019	1151	694.64	8,010
	831007		694.77	8,760
	831011	1110	695.12	9,520
	830916	1145	695.51	10,500
	830914	1535	695.53	10,700
	821002	1425	695.62	11,700
	820822	1440	696.06	12,200
	831003	1212	696.33	13,000
	820909	1420	696.49	13,400
	820813	1105	696.53	13,600
	820902	1115	697.05	16,000
	820914	1656	698.04	20,200
	830822	0947	698.32	21,600
	830805	1354	697.30	21,700
	830619	0944	698.46	23,000
	820920	1340	698.69	24,000
820919	1705	698.72	24,100	
820723	1000	698.74	24,900	
830808	1640	699.44	26,000	
830828	1506	699.06	26,600	
830825	0806	699.29	27,400	
820915	1259	699.93	28,200	
830809	1648	699.04	29,900	
820726	1230	700.00	31,800	
820725	1105	700.05	31,900	

Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT HEAD OF SLOUGH 16B (138.0M4 AT R.M. 138.3)	820909	1420	701.98	13,400
	820813	1020	702.02	13,600
	820831	1900	702.55	16,000
	830612	1743	703.09	20,000
	820914	1623	703.32	20,200
	830804	1600	703.25	20,900
	830822	0953	703.40	21,600
	830805	1330	703.46	21,700
	830619	1010	703.49	23,000
	830701	1600	703.44	23,100
	820920	1330	703.76	24,000
	820919	1540	703.73	24,100
	830808	1635	704.24	26,000
	830706	0950	703.93	26,300
	830828	1503	703.95	26,600
	820915	1249	704.72	28,200
	830809	1645	704.73	29,900
830810	1618	704.69	31,900	
820725	1120	704.78	31,900	

Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 49 (138.3MI AT R.M. 138.3)	831103	1031	698.47	4,500
	831027	1240	698.59	5,020
	831019	1149	699.80	8,010
	831011	1107	700.23	9,520
	830916	1147	700.65	10,500
	830914	1445	700.69	10,700
	831003	1200	701.35	13,000
	830822	0950	703.50	21,600
	830805	1332	703.57	21,700
	830701	1554	703.62	23,100
	830808	1637	704.82	26,000
	830706	0953	704.41	26,300
	830828	1504	704.42	26,600
	830809	1647	705.64	29,900
830810	1616	705.52	31,900	

Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LRX 50 (138.5MI AT N.M. 138.5)	831027	1235	701.22	5,020
	821012	1550	701.95	7,950
	831019	1146	702.13	8,010
	831007		702.15	8,760
	831011	1103	702.48	9,520
	830916	1144	702.83	10,500
	830914	1411	702.93	10,700
	821002	1620	703.01	11,700
	820904	1415	703.97	14,400
	820902	1210	704.39	16,000
	820901	1906	704.88	17,900
	830612	1630	704.79	20,000
	820914	1515	705.22	20,200
	830822	0957	704.93	21,600
	830805	1329	705.11	21,700
	830619	1008	705.19	23,000
	820919	1531	705.57	24,100
	830808	1633	705.97	26,000
	830828	1502	705.65	26,600
	820918	1912	705.82	26,800
830809	1643	706.57	29,900	
830810	1619	706.51	31,900	

Appendix Table 1-A-6

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LRX 51 (138.9MI AT R.M. 138.9)	831103	1023	706.50	4,500
	831027	1230	706.52	5,020
	821012	1549	707.00	7,950
	831019	1140	707.04	8,010
	831007	1604	707.17	8,760
	831011	1150	707.29	9,520
	830916	1151	707.68	10,500
	830914	1419	707.72	10,700
	821003	1742	707.68	11,000
	821002		707.72	11,700
	831003	1130	708.17	13,000
	820909	1415	708.34	13,400
	820902	1205	708.73	16,000
	830612	1545	709.43	20,000
	820914	1512	709.47	20,200
	830805	1326	709.91	21,700
	830619	1006	709.99	23,000
	820919	1530	710.07	24,100
	830808	1631	710.76	26,000
	830828	1459	710.46	26,600
830809	1643	711.52	29,900	
830810	1621	711.49	31,900	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT SLOUGH 19 MOUTH (140.0M2 AT R.M. 139.8)	831103	1016	718.64	4,500
	831027	1220	718.83	5,020
	821012	1548	719.13	7,950
	831019	1136	719.45	8,010
	831007	1600	719.46	8,760
	831011	1055	719.61	9,520
	830916	1154	720.08	10,500
	821003	1740	719.91	11,000
	820872	1400	720.33	12,200
	820820	0910	720.31	12,500
	820819	1020	720.43	13,300
	820819	1734	720.47	13,300
	820909	1330	720.59	13,400
	820905	1530	720.52	13,600
	820831	1825	721.00	16,000
	820807	1000	721.03	16,500
	820806	1505	721.08	16,800
	830529	1816	721.14	17,000
	820901	1747	721.23	17,900
	820708	1315	721.21	18,100
	830721	1835	721.26	18,100
	830612	1511	721.36	20,000
	820914	1502	721.45	20,200
	830804	1524	721.53	20,900
	830822	1004	721.60	21,600
	830616	1615	721.69	21,600
	830805	1323	721.69	21,700
	830823	1746	721.65	22,700
	830619	1003	721.71	23,000
	820711	1930	721.98	24,000
	820919	1525	721.75	24,100
	830630	1754	721.80	24,700
	830824	1315	721.94	24,700
830808	1629	722.36	26,000	
830706	0945	722.08	26,300	
820801	1706	721.96	26,400	
830828	1455	722.01	26,600	
830629	1706	722.03	26,800	
820727	1310	722.44	29,100	
830809	1620	722.76	29,900	
820726	1245	722.61	31,800	
830810	1624	722.59	31,900	
820725	1140	722.67	31,900	
820916	1530	722.92	32,500	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 53 (140.1MI AT R.M. 140.1)	831103	1010	720.86	4,500
	831027	1215	721.01	5,020
	831019	1129	721.87	8,010
	831011	1050	722.14	9,520
	830916	1155	722.52	10,500
	830913	1903	722.61	11,100
	831003	1106	723.11	13,000
	830716	1200	723.60	16,400
	830529	1426	723.77	17,000
	830511	1757	724.02	18,100
	830615	1130	724.09	18,600
	830612	1500	724.19	20,000
	830711	1155	724.20	20,000
	830804	1454	724.42	20,900
	830822	1007	724.46	21,600
	830616	1526	724.54	21,600
	830805	1320	724.58	21,700
	830724	1100	724.80	22,700
	830619	1001	724.57	23,000
	830701	1104	725.52	23,100
	830824	1250	725.07	24,700
	830702	1230	724.02	24,900
	830808	1627	725.30	26,000
	830706	0942	725.10	26,300
	830828	1455	725.15	26,600
	830828	1135	725.23	26,600
	830810	1704	725.88	31,900

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT SIDE CHANN. 21 MOUTH (140.6MI AT R.M. 140.6)	831103	1006	729.35	4,500
	831027	1210	729.69	5,020
	821012	1546	729.99	7,950
	831019	1120	730.09	8,010
	831007	1551	730.04	8,760
	831011	1046	730.13	9,520
	830916	1157	730.47	10,500
	821003	1540	730.39	11,000
	830912	1024	730.60	11,600
	831003	1051	730.78	13,000
	830527	1315	731.05	17,000
	830712	1425	730.89	19,700
	830805	1310	731.73	21,700
	830824	1239	731.85	24,700
	830808	1625	732.17	26,000
	830828	1453	731.97	26,600
830809	1219	732.35	29,900	
830810	1626	732.26	31,900	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 54 (140.8MI AT 1.140.8)	831103	1000	731.15	4,500
	831027	1205	731.36	5,020
	831011	1042	732.42	9,520
	830916	1159	732.86	10,500
	821003	1527	733.08	11,000
	830912	1326	733.14	11,600
	831003	1047	733.37	13,000
	820831	1802	734.25	16,000
	830527	1430	734.42	17,000
	820901	1412	734.66	17,900
	830721	1615	734.62	18,100
	830712	1420	734.80	19,700
	820914	1400	734.90	20,200
	830804	1328	735.05	20,900
	830822	1011	735.06	21,600
	830805	1234	735.23	21,700
	830619	0958	735.24	23,000
	820919	1443	735.41	24,100
	830630	0927	735.38	24,700
	830824	1237	735.47	24,700
	830808	1622	735.80	26,000
	830706	0940	735.60	26,300
	830828	1451	735.52	26,600
	820918	1658	735.72	26,800
830809	1221	735.63	29,900	
830810	1630	736.24	31,900	
830601	1742	736.30	33,000	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 55 (141.6MI AT R.M. 141.6)	831103	0956	738.93	4,500
	831027	1155	739.16	5,020
	831019	1117	740.34	8,010
	831011	1036	740.64	9,520
	830916	1200	740.94	10,500
	830913	1835	741.08	11,100
	831003	1047	741.56	13,000
	830527	1651	742.59	17,000
	830721	1611	742.89	18,100
	830612	1402	743.11	20,000
	830804	1315	743.53	20,900
	830822	1015	743.66	21,600
	830805	1233	743.70	21,700
	830619	0955	743.80	23,000
	830630	0931	744.17	24,700
	830824	1207	744.46	24,700
	830808	1620	744.68	26,000
	830706	0938	744.60	26,300
830828	1449	744.50	26,600	
830809	1228	745.30	29,900	
830810	1632	745.45	31,900	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 56 (142.1MI AT R.M. 142.1)	831103	0950	750.09	4,500
	831027	1100	750.35	5,020
	831019	1114	751.22	8,010
	821011	1600	751.06	8,220
	831011	1031	751.50	9,520
	830916	1205	751.89	10,500
	821003	1300	751.76	11,000
	830913	1802	752.03	11,100
	821002	0950	751.96	11,700
	821001	1110	752.07	12,400
	831003	1011	752.36	13,000
	820909	1330	752.56	13,400
	820927	1500	752.48	13,800
	820831		752.96	16,000
	830529	1258	753.17	17,000
	830721	1435	753.41	18,100
	830612	1030	753.59	20,000
	820914	1252	753.59	20,200
	830822	1022	753.83	21,600
	830803	1000	753.84	21,600
	830805	1231	753.94	21,700
	830619	0952	753.94	23,000
	820920	1230	754.06	24,000
	820919	1319	754.09	24,100
	830630	1157	754.13	24,700
	830824	1203	754.23	24,700
	830808	1615	754.53	26,000
	830706	0936	754.39	26,300
	830828	1445	754.39	26,600
	820918	1600	754.33	26,800
	820915	1602	754.94	28,200
	830809	1542	755.09	29,900
830605	1700	754.59	30,000	
830605	1315	754.79	30,000	
830810	1636	754.88	31,900	
830601	1755	754.93	33,000	

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
RIGHT BANK AT LRX 57 (142.0M2 AT P.M. 142.3)	831103	0945	751.02	4,500
	831020	0820	752.40	7,230
	831019	1110	752.54	8,010
	831007	1419	753.14	8,760
	831011	1027	753.22	9,520
	830913	1717	753.97	11,100
	830912	1915	754.15	11,600
	831003	0957	754.40	13,000
	820909	1330	754.43	13,400
	820817	0915	754.37	13,600
	820831		755.07	16,000
	820901	1257	755.47	17,900
	820708	1615	755.66	18,100
	830721	1430	755.68	18,100
	830518	0928	755.72	20,000
	830612	1040	755.81	20,000
	820914	1248	755.79	20,200
	830804	0940	756.16	20,900
	820709	1250	756.31	21,500
	830822	1024	756.45	21,600
	830805	1230	756.31	21,700
	820802	1450	756.24	22,500
	820720	1535	756.31	22,900
	830619	0950	756.34	23,000
	820920	1214	756.46	24,000
	820919	1317	756.45	24,100
	830630	1205	756.61	24,700
	830824	1202	756.76	24,700
	820728	1225	756.84	25,600
	830706	0928	756.94	26,300
	830828	1443	757.07	26,600
	820915	1604	757.56	28,200
830809	1544	757.75	29,900	
820726	1300	757.53	31,800	
830810	1640	757.72	31,900	
820725	1500	758.06	31,900	
820916	1002	757.86	32,500	
830601	1800	757.59	33,000	

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Appendix Table I-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM AT SLOUGH 22 HEAD (144.3MI AT R.M. 144.7)	831103	0938	783.92	4,500
	831027	1030	784.26	5,020
	831019	1103	784.99	8,010
	831007	1409	785.10	8,760
	831011	1021	785.27	9,520
	830916	1213	785.80	10,500
	820909	1330	786.60	13,400
	820817	0855	786.69	13,600
	820831	1115	787.07	16,000
	820806	1215	787.27	16,500
	820901	1240	787.52	17,900
	820708	1800	787.69	18,100
	820914	1129	787.78	20,200
	830805	1220	788.22	21,700
	820802	1720	788.06	22,500
	820720	1100	788.39	22,900
	820920	1125	788.40	24,000
	820919	1038	788.37	24,100
	830824	1006	788.66	24,700
	830702	1552	788.62	24,900
	820728	1135	788.82	25,600
	830606	0923	788.85	26,000
	830828	1438	788.83	26,600
	820918	1547	788.76	26,800
	820918	1400	788.85	26,800
	820623	1735	788.90	27,000
	820622	1615	789.48	31,000
820726	1315	789.57	31,800	
830810	1649	789.72	31,900	

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Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LEX 61 (148.7MI AT R.M. 148.7)	831103	0930	832.03	4,500
	831027	1015	832.36	5,020
	830916	1224	833.78	10,500
	830915	1504	833.81	10,600
	831003	0946	834.33	13,000
	820909	1325	834.25	13,400
	820904	1800	834.45	14,400
	820709		836.09	21,500
	820710	1607	836.20	23,000
	830828	1427	836.69	26,600
820726	1500	837.00	31,800	

A-54

Appendix Table 1-A-6 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LEFT BANK AT LRX 62 (148.9MI AT R.M. 148.9)	831103	0920	833.29	4,500
	831027	1000	833.60	5,020
	821012	1532		7,950
	831019	1052	834.54	8,010
	831011	1010	834.97	9,520
	830916	1226	835.44	10,500
	830915	1529	835.48	10,600
	831003	0943	836.08	13,000
	820909		836.45	13,400
	820909	1325	836.53	13,400
	820904	1800	836.68	14,400
	820709		838.39	21,500
	820919	1800	838.79	24,100
	830824	1109	838.98	24,700
830828	1425	839.07	26,600	

1-A-35

Appendix Table 1-A-7 Comparison of non-mainstem water surface elevations to mean daily mainstem discharge (cfs) obtained at the USGS gaging station at Gold Creek (15292000).

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
WHISKERS SLOUGH (MOUTH) (101.2W1 AT R.M. 101.2)	821009	1030	362.92	8,440
	830911	1020	363.48	12,200
	820823	1126	363.44	12,300
	820928	1715	363.64	12,900
	831001	1500	363.80	13,200
	820909	1500	363.67	13,400
	820927	1605	363.85	13,800
	820903	1550	363.97	14,600
	820816	1715	364.03	15,600
	830523	1130	364.36	18,000
	830720	0915	364.41	18,600
	830722	1850	364.43	18,600
	830804	1330	364.71	20,900
	820709	1715	364.77	21,500
	830822	1220	364.75	21,600
	830805	1635	364.83	21,700
	820617	1045	364.95	22,000
	830621	1730	365.24	24,000
	820920	1515	365.38	24,000
	830807	1400	365.31	25,000
830808	1925	365.61	26,000	
830703	1645	365.21	26,200	
820726	1720	366.38	31,800	
820621	1300	366.75	37,000	

1-A-56

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
WHISKERS SLOUGH (Q SITE) (101.2S3 AT R.M. 101.4)	821009	1145	365.58	8,440
	821006	1300	365.58	8,960
	820908	1540	365.61	11,900
	820822	1353	365.56	12,200
	830911	0945	365.70	12,200
	820928	1705	365.64	12,900
	831003	1520	365.82	13,000
	831001	1520	365.82	13,200
	820813	1355	365.61	13,600
	820927	1550	365.68	13,800
	820903	1550	365.65	14,600
	820816	1445	365.81	15,600
	830716	1130	365.70	16,400
	830720	0930	365.70	18,600
	830722	1840	365.72	18,600
	830804	1345	365.77	20,900
	830822	1255	365.75	21,600
	830618	1225	365.95	22,900
	830619	1230	365.78	23,000
	830617	1250	365.89	23,300
820920	1530	366.20	24,000	
830621	1730	366.22	24,000	
830807	1345	366.25	25,000	
820715	1300	366.16	25,600	
830808	1940	366.60	26,000	
830703		366.18	26,200	
820622	0935	367.22	31,000	
820621	1300	367.61	37,000	

1-A-57

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
WHISKERS SLOUGH (HEAD) (101.2HS AT R.M. 101.5)	830911	0930	366.48	12,200
	831001	1520	366.48	13,200
	820904	1300	366.48	14,400
	820903	1550	366.48	14,600
	820816	1445	366.48	15,600
	830720	1100	366.48	18,600
	830722	1830	366.48	18,600
	830822	1300	367.77	21,600
	830617	1800	368.05	23,300
	820920	1830	368.09	24,000
	830807	1330	368.16	25,000
	820715	1415	368.18	25,600
	830808	1905	368.46	26,000
	830703		368.14	26,200
	820725	1040	368.89	31,900

1) Gage was dewatered, 366.48 feet was the point of zero flow, as determined from the cross section at this site.

1-A-58

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 6A (MOUTH) (112.3WI AT R.M. 112.3)	831020	1500	455.00	7,230
	821009	1600	455.13	8,440
	830915	1035	455.60	10,600
	831004	1110	455.92	11,400
	830912	1145	455.80	11,600
	830930	1330	456.09	11,600
	820822	1645	455.92	12,200
	820820	1725	456.02	12,500
	830908	1245	456.23	13,700
	820926	1405	456.41	14,000
	820910	1330	456.40	14,400
	820925	1740	456.53	15,000
	830528	1254	456.57	16,000
	830528	1140	456.59	16,000
	830716	1400	456.52	16,400
	820807	1200	456.58	16,500
	820808	1720	456.68	16,600
	830523	1130	456.87	18,000
	830722	1720	456.86	18,600
	830718	1230	456.80	18,900
	830612	1250	456.95	20,000
	820709	1850	457.20	21,500
	830616	1030	457.06	21,600
	830822	1655	457.22	21,600
	830805	1130	457.14	21,700
	830805	1510	457.20	21,700
	820729	1445	457.46	23,600
	820921	1000	457.63	24,200
	830824	1630	457.50	24,700
	830807	1530	457.52	25,000
830808	1735	457.75	26,000	
830809	1500	458.02	29,900	
830826	1530	458.13	31,700	
820917	1717	458.33	32,000	

1-A-5A

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 6A (BACKWATER) (112.383 AT R.M. 112.5)	830915	1038	455.47	10,600
	831004	1105	455.78	11,400
	830912	1050	455.66	11,600
	830930	1330	455.93	11,600
	830722	1700	456.68	18,600
	830822	1700	457.08	21,600
	830805	1200	457.03	21,700
	830805	1520	457.07	21,700
	830824	1630	457.43	24,700
	830807	1530	457.36	25,000
830808	1738	457.60	26,000	

1-A-60

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8 (MOUTH) (113.6WS AT R.M. 113.0)	830912	1530	466.70	11,600
	830910	1130	466.96	12,700
	830716	1145	467.60	16,400
	830616	1540	468.70	21,600
	830710	1203	468.76	22,200
	830802	1200	468.74	22,400
	830618	0945	468.96	22,900
	830807	1630	469.24	25,000
	830808	1705	469.66	26,000
	830825	1715	469.67	27,400
	830809	1925	470.46	29,900
	830826	1555	470.56	31,700
	830810	1040	470.69	31,900

1-A-61

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH B (Q SITE) (113.682 AT R.M. 113.6)	830927	1230	467.97	9,640
	821004	1235	468.24	10,500
	831004	1230	468.01	11,400
	830912	1600	467.94	11,600
	830910	1200	467.95	12,700
	820903	1456	468.28	14,600
	820925	1110	468.35	15,000
	830526	1110	468.05	16,000
	830528	1005	468.05	16,000
	830716	1150	467.97	16,400
	830716	1430	467.98	16,400
	830722	1730	468.15	18,600
	830615	1745	468.40	19,600
	830805	1450	468.70	21,700
	830710	1141	468.76	22,200
	830802	1200	468.77	22,400
	820722	1010	468.80	22,400
	830618	0945	468.98	22,900
	820920	1329	469.41	24,000
	820723	1010	469.15	24,900
	830807	1630	469.23	25,000
	830808	1711	469.66	26,000
	830825	1710	470.58	27,400
830809	1816	470.36	29,900	
830826	1610	470.58	31,700	
830810	1105	470.65	31,900	
820917	1517	470.75	32,000	

1-A-62

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8 (HEAD) (113.6H4 AT R.H. 113.6)	820903		472.53 <sup>1</sup>	14,600
	830716	1215	472.53 <sup>1</sup>	16,400
	830616	1830	472.53 <sup>1</sup>	21,600
	830802	1145	472.53 <sup>1</sup>	22,400
	820920	1310	472.53 <sup>1</sup>	24,400
	830808	1700	473.62	26,000
	830825	1735	473.60	27,400
	830809	1810	474.09	29,900
	830826	1550	474.24	31,700
	830810	1020	474.42	31,900
	820917	1830	474.30	32,000

- 1) Gage was dewatered, 472.53 feet was the point of zero flow, as determined from the cross section at this site.

1-A-63

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM 2 (MOUTH) (114.4W6 AT R.M. 114.4)	831020	1410	473.59	7,220
	830928	1030	474.03	9,080
	831004	1320	474.76	11,400
	830922	1305	475.02	13,600
	830526	1800	475.68	16,600
	830720	1300	476.18	18,600
	830611	1915	476.12	19,000
	830513	1315	476.31	19,900
	830803	1230	476.69	21,600
	830805	1430	476.63	21,700
	830618	1730	476.89	22,900
	830806	1931	476.95	23,800
	830824	1450	477.06	24,700
	830704	1700	476.78	24,800
	830620	1530	477.37	25,000
	830530	1600	477.47	25,000
830808	1121	477.17	26,000	
830706	1150	477.16	26,300	
830825	1120	477.38	27,400	
830826	1750	478.38	31,700	

1-A-64

Appendix Table 1-A-7 continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
MAINSTEM 2 (LOWER BACKWATER) (114.489 AT R.M. 114.5)	830720	1305	476.17	18,600
	830612	1830	476.34	20,000
	830805	1430	476.71	21,700
	830806	1932	477.03	23,800
	830824	1500	477.16	24,700
	830704	1650	476.88	24,800
	830808	1122	477.26	26,000
	830706	1200	477.25	26,300
	830825	1115	477.49	27,400
	830826	1750	478.55	31,700

1-A-63

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM 2 (UPPER BACKWATER) (114.487 AT R.M. 114.8)	830526	1830	475.77	16,000
	830720	1305	476.06	18,600
	830715	1330	476.39	18,600
	830611	1930	476.19	19,000
	830613	1155	476.35	19,900
	830612	1830	476.40	20,000
	830803	1245	476.81	21,600
	830805	1435	476.74	21,700
	830806	1933	477.04	23,800
	830824	1530	477.31	24,700
	830808	1134	477.38	26,000
	830825	1115	477.58	27,400
	830826	1755	478.70	31,700

1-A-66

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM 2 NW CHANNEL (Q SITE) (114.485 AT R.M. 115.4)	830917	1025	478.84	10,000
	831004	1340	479.10	11,400
	830526	1650	480.01	16,000
	830721	2000	480.50	18,100
	830720	1430	480.61	18,600
	830722	1405	480.64	18,600
	830611	1520	480.56	19,000
	830611	1830	480.66	19,000
	830615	1220	480.82	19,600
	830805	1315	481.31	21,700
	830806	1150	481.51	23,800
	830806	1730	481.60	23,800
	830824	1410	481.59	24,700
	830530	1600	482.06	25,000
	830808	1440	481.89	26,000
	830825	1140	481.94	27,400
830825	1300	481.97	27,400	

1-A-62

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM 2 NW CHANNEL (HEAD) (114.4H3 AT R.M. 114.4)	830922	1804	481.95	13,600
	830526	1530	482.42	16,000
	830721	1955	482.76	18,100
	830722	1445	482.86	18,600
	830720	1420	482.87	18,600
	830611	1820	482.61	19,000
	830611	1715	482.75	19,000
	830805	1300	483.02	21,700
	830806	1927	483.58	23,800
	830824	1400	483.68	24,700
	830704	1630	483.21	24,800
	830808	1119	483.82	26,000
	830706	1145	483.82	26,300
	830826	1815	484.61	31,700

1-A-68

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM 2 NE CHANNEL (Q SITE) (114.488 AT R.M. 115.5)	830917	1040	480.41	10,000
	831004	1450	480.48	11,400
	830721	2000	480.44	18,100
	830720	1445	480.44	18,600
	830722	1420	480.44	18,600
	830805	1335	480.46	21,700
	830628		480.76	21,900
	830806	1900	480.57	23,800
	830824	1425	480.60	24,700
	830704		480.54	24,800
	830808	1530	481.28	26,000
	830825	1605	481.31	27,400
	830826	1925	482.88	31,700

1-A-69

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
MAINSTEM 2 NE CHANNEL (HEAD) <sup>2</sup> (114.4HI AT R.M. 115.5)	830526	1430	484.64 <sup>1</sup>	16,000
	830720	1245	484.64 <sup>1</sup>	18,600
	830619	1025	484.54	23,000
	830806	1915	484.72	23,800
	830824	1350	484.84	24,700
	830807	1445	485.00	25,000
	830530	1430	485.08	25,000
	830808	1115	485.05	26,000
	830703	1230	484.93	26,200
	830825	1135	485.23	27,400
	830827	1020	486.22	31,000
	830826	1845	486.35	31,700

- 1) Gage was dewatered, 484.64 feet was the point of zero flow, as determined from the cross section at this site.
- 2) Gage was located at a point approximately 0.2 feet lower in elevation than the PZF obtained from the cross section for this site.

1-A-70

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8A (MOUTH-LEFT BANK) (125.3W5 AT R.M. 125.3)	831020	1240	561.34	7,230
	830915	1435	561.64	10,600
	830924	1155	562.47	15,200
	830721	1100	562.70	18,100
	830718	1200	562.86	18,900
	830719	1420	563.03	20,600
	830804	1523	563.03	20,900
	830803	1505	563.12	21,600
	830823	1055	563.21	22,700
	830607	1430	563.40	23,000
	830630	1220	563.36	24,700
	830902	1630	563.53	25,400
	830623	1000	563.54	25,400
	830606	1700	563.58	26,000
	830825	1218	563.63	27,400
	830814	1345	563.75	27,400
	830809	1040	563.98	29,900
	830809	1405	564.01	29,900
	830809	1730	564.12	29,900
	830605	1005	564.05	30,000
830827	1115	564.12	31,000	
830604	1750	564.68	36,000	
830604	1000	564.76	36,000	

1-A-21

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8A (UPPER BACKWATER) (125.386 AT R.W. 125.6)	831020	1318	561.48	7,230
	830915	1440	561.65	10,600
	830909	1130	562.09	13,200
	830924	1214	562.42	15,200
	830924	1020	562.44	15,200
	830721	1120	562.69	18,100
	830718	1330	562.89	18,900
	830804	1523	563.04	20,900
	830803	1500	563.13	21,600
	830823	1100	563.19	22,700
	830902	1630	563.54	25,400
	830825	1205	563.64	27,400
	830814	1345	563.75	27,400
	830809	1045	563.84	29,900
	830809	1405	563.98	29,900
830827	1110	564.09	31,000	

1-A-72

Appendix Table 1-A-7      continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8A NW CHANNEL (Q SITE) (125.383 AT R.M. 125.3)	830915	1515	566.01	10,600
	831003	1350	566.10	13,000
	830909	1230	566.03	13,200
	830924	1246	566.08	15,200
	830716	1800	566.11	16,400
	830721	1150	566.00	18,100
	830718	1920	566.00	18,900
	830804	1130	566.03	20,900
	830823	1340	566.05	22,700
	830809	1245	566.44	29,900
	830827	1320	566.81	31,000

1-A-23

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8A LOWER Q SITE W.CHANN. (125.384 AT R.M. 125.7)	831020	1314	563.49	7,230
	830915	1450	563.49	10,600
	831003	1310	563.68	13,000
	830909	1130	563.52	13,200
	830924	1224	563.60	15,200
	830716	1900	563.53	16,400
	830721	1430	563.51	18,100
	830721	1515	563.51	18,100
	830718	1700	563.51	18,900
	830804	1320	563.57	20,900
	830725	1130	563.55	21,900
	830823	1400	563.66	22,700
	830902	1830	563.68	25,400
	830825	1158	563.71	27,400
	830809	1103	563.97	29,900
830827	1427	564.14	31,000	

1-A-74

Appendix Table 1-A-7      continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH SA LOWER Q SITE E.CHANN. (125.385 AT R.M. 125.7)	831020	1314	563.73	7,230
	830915	1450	563.64	10,600
	830909	1350	563.70	13,200
	830924	1234	563.71	15,200
	830804	1400	563.61	20,900
	830823	1500	563.65	22,700
	830902	1700	563.81	25,400
	830825	1159	563.73	27,400
	830809	1100	564.01	29,900
	830827	1450	564.18	31,000

1-A-7-35

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WEEL (ft)	DISCHARGE (cfs)
SLOUGH 8A NW CHANNEL (HEAD) (125.3H2 AT R.M. 126.2)	830823		573.11 <sup>1</sup>	22,700
	830902		573.11 <sup>1</sup>	25,400
	830825	1234	573.13	27,400
	830809	1415	573.33	29,900
	830827	1240	573.53	31,000
	830531	1308	573.63	32,000

- 1) Gage was dewatered, 573.11 feet was the point of zero flow, as determined from the cross section at this site.

1-A-76

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	USEL (ft)	DISCHARGE (cfs)
SLOUGH SA NE CHANNEL (Q SITE) (125.361 AT R.M. 125.8)	830506	1330	565.91	5,400
	830915	1505	567.22	10,600
	830909	1200	567.19	13,700
	830924	1315	567.29	15,200
	830716	1820	566.20	16,400
	830721	1250	566.33	18,100
	830615	1615	566.09	19,600
	830711	1130	566.15	20,000
	830804	1220	566.60	20,900
	830823	1210	566.97	22,700
	830630	1404	566.08	24,700
	830809	1130	566.91	29,900
	830827	1145	567.07	31,000

1-2-22

Appendix Table 1-A-7      continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8A NE CHANNEL (125.388 AT R.M. 126.7)	830719	1300	574.26	20,600
	830825	1253	574.77	27,400
	830809	1430	574.71	29,900
	830827	1140	574.81	31,000

1-A-28

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 8A NE CHANNEL (HEAD) (125.347 AT R.M. 126.9)	830719	1315	577.06 <sup>1</sup>	20,600
	830825	1300	577.06 <sup>1</sup>	27,400
	830809	1435	577.06 <sup>1</sup>	29,900
	830827	1200	577.06 <sup>1</sup>	31,000

- 1) Gage was dewatered, 577.06 feet was the point of zero flow, as determined from the cross section at this site.

1-A-29

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 9 (MOUTH) (128.3W3 AT R.M. 128.3)	831007	1100	589.86	8,760
	831006	1500	589.86	9,800
	830914	1100	589.81	10,700
	830913	0700	589.86	11,100
	830912	1020	589.90	11,600
	830911	1100	589.97	12,200
	830910	1020	590.07	12,700
	830909	1045	590.18	13,200
	830922	0900	590.03	13,600
	830908	1800	590.33	13,700
	830924	1000	590.98	15,200
	830906	1600		16,000
	830717	1115	591.04	16,500
	830729	1638	591.32	17,300
	830923	0930	591.32	17,500
	830923	1700	591.32	17,500
	830728	1320	591.47	17,700
	830820	1120	591.31	17,800
	830820	1600	591.41	17,800
	830721	1830	591.47	18,100
	830905	1900	591.33	18,200
	830727	1000	591.64	18,500
	830720	2230	591.24	18,600
	830821	1000	591.53	18,900
	830821	1600	591.73	18,900
	830614	1530	591.65	19,000
	830730	1048	591.70	19,100
	830819	1700	591.60	19,200
	830819	1030	591.63	19,200
	830723	1830	591.81	19,200
	830726	1130	591.78	19,400
	830804	1000	592.10	20,900
	830818	1530	592.03	21,000
	830904	1200	592.03	21,000
	830822	0950	592.08	21,600
	830803	1930	592.13	21,600
	830803	0926	592.24	21,600
	830822		592.33	21,600
	830725	1553	592.13	21,900
	830725	1000	592.31	21,900
	830823	1800	592.33	22,700
	830823	1415	592.37	22,700
	830817	1000	592.41	22,700
	830731	1041	592.38	22,800
	830830	1300	592.41	22,900

1-A-80

Appendix Table 1-A-7

continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
SLOUGH 9 (Q SITE) (128.381 AT R.M. 128.9)	830914	0955	593.27	10,700
	830912	1200	593.29	11,600
	831003	1515	593.50	13,000
	830922	1820	593.30	13,600
	830924	1550	593.33	15,200
	830716	2200	593.27	16,400
	830721	1800	593.36	18,100
	830730	0927	593.37	19,100
	830726	1730	593.44	19,400
	830609	1030	593.56	19,400
	830712	0715	593.43	19,700
	830711	1715	593.46	20,000
	830518	1334	593.81	20,000
	830725	1600	593.65	21,900
	830731	1444	593.93	22,800
	830607	1830	594.10	23,000
	830630	1030	594.00	24,700
830824	1135	594.05	24,700	
830825	1215	594.36	27,400	
830605	2240	594.53	30,000	

1-A-81

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 9 (HEAD) (128.3H2 AT R.M. 129.3)	830922	1900	603.70 <sup>1</sup>	13,600
	830924	1600	603.70 <sup>1</sup>	15,200
	830820	1130	604.27	17,800
	830721	1850	604.45	18,100
	830727	1500	604.51	18,500
	830719	1815	604.58	20,600
	830803	1805	604.71	21,600
	830823	1750	604.71	22,700

1) Gage was dewatered, 603.70 feet was the point of zero flow, as determined from the cross section at this site.

1-A-82

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10A (132.151 AT R.M. 132.1)	830913	1000	629.26	11,100
	830907	1115	629.83	14,800
	830803	1301	630.35	21,600
	830809	1015	631.33	29,900

1-A-83

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10 (MOUTH) (133.8WS AT R.M. 133.8)	830911	1520	649.81	12,200
	830906	1600	650.71	16,000
	830717	1713	650.81	16,500
	830729	1840	651.01	17,300
	830923	1040	651.06	17,500
	830820	1200	651.00	17,800
	830720	1656	651.10	18,600
	830803	1623	651.63	21,600
	830710	1545	651.67	22,200
	830724	1045	651.89	22,700
	830731	1250	651.91	22,800
	830622	1805	652.26	23,600
	830806	1105	652.18	23,800
	830624	1025	652.17	24,000
	830624	1320	652.21	24,000
	830813	1200	652.41	25,900
830808	1152	652.31	26,000	
830811	1255	652.51	27,700	
830809	0850	653.29	29,900	
830810	1000	653.31	31,900	

1-A-84

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10 (133.887 AT R.M. 133.9)	830911	1333	650.29	12,200
	830910	1318	650.30	12,700
	830909	1638	650.33	13,200
	830729	1839	650.89	17,300
	830823	1140	651.78	22,700
	830724	1600	651.86	22,700
	830731	1250	651.88	22,800
	830806	1105	651.97	23,800
830810	1000	653.28	31,900	

1-A-85

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10 (133.881 AT R.M. 133.9)	830911	1300	651.01	12,200
	830909	1633	651.06	13,200
	830713	1600	651.17	19,100
	830723	1030	651.24	19,200
	830609	1100	651.21	19,400
	830804	1300	651.60	20,900
	830710	1600	651.67	22,200
	830823	1154	651.83	22,700
	830724	1145	651.92	22,700
	830607	1625	652.03	23,000
	830829	1330	651.91	23,300
	830622	1805	652.25	23,600
	830624	1035	652.18	24,000
	830813	1220	652.53	25,900
	830605	1343	652.91	30,000
	830826	1145	653.54	31,700
	830810	1010	653.48	31,900
830810	1110	653.53	31,900	

1-A-86

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10 (133.882 AT R.M. 134.0)	830911	1230	651.94	12,200
	830910	1312	651.95	12,700
	830909	1631	651.96	13,200
	830713	1600	652.06	19,100
	830723	1200	652.17	19,200
	830609	1230	652.16	19,400
	830804	1300	652.43	20,900
	830710	1643	652.46	22,200
	830823	1208	652.69	22,700
	830607	1626	652.73	23,000
	830829	1325	652.61	23,300
	830829	1030	652.66	23,300
	830813	1220	653.06	25,900
	830605	1405	653.36	30,000
	830605	1407	653.36	30,000
	830826	1350	653.91	31,700
	830810	0921	653.86	31,900
830810	1020	653.86	31,900	

1-A-87

Appendix Table 1-A-7                      continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10 (133.856 AT R.M. 134.1)	830910	1310	653.19	12,700
	830909	1618	653.19	13,200
	830823	1209	654.31	22,700
	830724	1340	654.35	22,700
	830829	1320	654.35	23,300
	830829	1115	654.41	23,300

1-A-82

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL. (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10 (Q SITE) (133.853 AT R.M. 134.2)	830911	1115	654.27	12,200
	830910	1100	654.29	12,700
	831003	1225	654.30	13,000
	830909	1622	654.29	13,200
	830717	1100	654.30	16,500
	830720	1630	654.43	18,600
	830713	1600	654.50	19,100
	830723	1300	654.74	19,200
	830609	1200	654.62	19,400
	830803	1745	655.15	21,600
	830803	1703	655.18	21,600
	830710	1719	655.21	22,200
	830823	1330	655.54	22,700
	830607	1645	655.73	23,000
	830808	1310	656.27	26,000
	830629	1610	656.09	26,800
	830605	1515	656.75	30,000
830826	1713	657.97	31,700	
830810	1120	658.26	31,900	
830810	1233	658.26	31,900	

1-A-88

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 10 (HEAD) (133.8H4 AT R.M. 134.2)	830717	1030	656.20 <sup>1</sup>	16,500
	830720	1700	656.20 <sup>1</sup>	18,600
	830730	1115	656.53	19,100
	830613	1045	656.56	19,900
	830803	1825	656.85	21,600
	830710	1755	656.91	22,200
	830823	1325	657.20	22,700
	830724	1526	657.25	22,700
	830731	1125	657.24	22,800
	830622	1805	657.53	23,600
	830623	1400	657.77	25,400
	830808	1329	657.78	26,000
	830809	0846	658.53	29,900

1) Gage was dewatered, 656.20 feet was the point of zero flow, as determined from the cross section at this site.

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LOWER SIDE CHANNEL 11 (134.661 AT R.M. 135.0)	831019	1254	661.47	8,010
	831011	1145	661.67	9,520
	830922		661.82	13,600
	830906	1610	661.82	16,000
	830729	1713	662.10	17,300
	830728	1340	662.27	17,700
	830820	1200	662.10	17,800
	830820	1205	662.12	17,800
	830730	1119	662.32	19,100
	830813	1045	662.32	19,200
	830723	1722	662.37	19,200
	830711	1400	662.27	20,000
	830804	1245	662.47	20,900
	830904	1237	662.52	21,000
	830818	1620	662.53	21,000
	830803	1740	662.52	21,600
	830822	1535	662.74	21,600
	830608	1205	662.57	22,000
	830823	1400	662.62	22,700
	830817	0945	662.82	22,700
	830731	1131	662.87	22,800
	830806	1030	662.82	23,800
	830806	1258	662.83	23,300
	830624	1324	663.10	24,000
	830812	1320	662.92	24,500
	830816	1000	663.11	24,600
	830831	1105	663.07	24,800
	830902	1156	663.27	25,400
	830808	1336	663.17	26,000
	830808	1430	663.22	26,000
	830828	0955	663.22	26,600
	830815	1230	663.32	26,800
830825	1035	663.22	27,400	
830809	1811	663.95	29,900	
830827	1730	663.60	31,000	
830827	1340	663.77	31,000	
830826	0900	663.82	31,700	
830810	1259	663.95	31,900	

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LOWER SIDE CHANNEL 11 (134.6S2 AT R.M. 135.2)	831019	1253	662.92	8,010
	831011	1145	663.42	9,520
	830915	0930	663.22	10,600
	830922		663.62	13,600
	830906	1610	663.67	16,000
	830729	1713	663.87	17,300
	830728	1915	663.80	17,700
	830820	1205	663.87	17,800
	830820	1200	663.95	17,800
	830730	1119	664.15	19,100
	830819	1045	664.07	19,200
	830723	1724	664.12	19,200
	830711	1400	664.15	20,000
	830804	1250	664.23	20,900
	830904	1238	664.22	21,000
	830818	1620	664.27	21,000
	830803	1740	664.27	21,600
	830822	1535	664.35	21,600
	830608	1203	664.29	22,000
	830823	1403	664.48	22,700
	830817	0945	664.55	22,700
	830731	1131	664.55	22,800
	830806	1030	664.57	23,800
	830806	1254	664.59	23,800
	830624	1324	664.77	24,000
	830812	1320	664.62	24,500
	830816	1000	664.72	24,600
	830831	1105	664.72	24,800
	830902	1157	664.90	25,400
	830813	1255	664.87	25,900
	830808	1336	664.82	26,000
830828	0958	664.87	26,600	
830815	1235	664.92	26,800	
830825	1039	664.82	27,400	
830811	1700	664.72	27,700	
830809	1612	665.47	29,900	
830827	1730	665.22	31,000	
830827	1343	665.27	31,000	
830826	0900	665.42	31,700	
830810	1259	665.42	31,900	

1-A-41

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL B/L SLOUGH 11 MOUTH (135.3M4 AT R.M. 135.3)	821012	1555	665.56	7,950
	821002	1040	666.68	11,700
	820906	1600	666.86	12,200
	820929	1830	666.81	12,400
	820830	1740	667.46	13,100
	820909	1420	667.36	13,400
	830906	1610	667.79	16,000
	820831		668.16	16,000
	830904	1238	668.69	21,000
	830822	1730	669.79	21,600
	830823	1414	669.95	22,700
	830812	1320	669.14	24,500
	830831	1105	669.24	24,800
	830902	1159	669.44	25,400
	830808	1338	669.45	26,000
	830808	1435	669.49	26,000
	830828	0958	669.44	26,600
	830825	1040	669.46	27,400
	830825	1514	669.54	27,400
	830825	0900	670.04	27,400
830809	1815	670.09	29,900	
830827	1200	669.79	31,000	
830827	1345	669.89	31,000	
830826	0900	670.04	31,700	
830810	1259	670.04	31,900	

1-A-92

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL A/B SLOUGH 11 MOUTH (135.3M2 AT R.M. 135.3)	831027	1430	667.27	5,020
	821012	1555	667.50	7,950
	830915	1807	667.78	10,600
	820907	1820	668.10	11,700
	820822	1535	667.92	12,200
	831003	1350	667.89	13,000
	820830	1735	668.62	13,100
	820909	1420	668.55	13,400
	830906	1610	668.55	16,000
	820831		668.80	16,000
	830729	1715	668.66	17,300
	830728	1340	668.79	17,700
	830820	1200	668.74	17,800
	830721	1150	668.76	18,100
	830727	1025	668.84	18,500
	830718	1025	668.91	18,900
	830730	1120	668.91	19,100
	830723	1735	668.91	19,200
	830819	1045	668.94	19,200
	830518	1318	668.91	20,000
	830804	1300	669.08	20,900
	830904	1238	669.06	21,000
	830818	1625	669.11	21,000
	830822	1535	669.16	21,600
	830725	1030	669.16	21,900
	830724	1030	669.21	22,700
	830817	0945	669.36	22,700
	830731	1131	669.29	22,800
	830618	1620	669.23	22,900
	830812	1320	669.36	24,500
	830816	1000	669.56	24,600
	830831	1110	669.46	24,800
	830902	1200	669.65	25,400
830813	1300	669.70	25,900	
820624	1020	669.75	26,000	
830828	0958	669.66	26,600	
830629	1210	669.55	26,800	
830815	1235	669.76	26,800	
820714	1210	669.67	27,300	
830825	1042	669.76	27,400	
830825	1519	669.79	27,400	
830810	1307	670.21	31,900	
830810	0953	670.22	31,900	
830604	1430	670.70	36,000	

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 11 (MOUTH) (135.3WI AT R.M. 135.3)	831020	1210	666.29	7,230
	830915	1812	666.96	10,600
	831004	1353	667.07	11,400
	821002	1040	667.01	11,700
	820907	1825	667.15	11,700
	820906	1600	667.23	12,200
	820822	1540	667.32	12,200
	820830	1740	667.77	13,100
	820313	1115	667.81	13,600
	830922	1330	667.89	13,600
	820012	0935	667.91	14,400
	820811	1825	668.04	15,400
	830906	1630	668.28	16,000
	830728	1915	668.52	17,700
	830820	1205	668.60	17,800
	830710	1020	668.85	18,900
	830723	1730	668.91	19,200
	830518	1319	668.87	20,000
	830804	1253	669.05	20,900
	830804	1255	669.05	20,900
	830823	1616	669.24	22,700
	830618	1615	669.28	22,900
	830806	1131	669.37	23,800
	830806	1320	669.37	23,800
	820920	1026	669.41	24,000
	830816	1000	669.47	24,600
	820728	2030	669.37	25,600
	830813	1310	669.69	25,900
	820624	1020	669.72	26,000
	830828	1000	669.64	26,600
	830707	1120	669.75	27,200
	820714	1210	669.67	27,300
	830825	1045	669.72	27,400
	830825	1515	669.75	27,400
	830811	1100	669.82	27,700
	820918	1026	669.71	28,600
	830809	1100	669.92	29,900
	830827	1200	670.02	31,000
	830827	1730	670.02	31,000
	830827	1347	670.13	31,000
	820622	1045	670.16	31,000
	830826	0900	670.20	31,700
	830826	0905	670.20	31,700
	830826	1800	670.28	31,700
	830810	1309	670.22	31,900

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSL (ft)	DISCHARGE (cfs)
SLOUGH 11 (MOUTH)	830810	0837	670.29	31,900
(135.3WI AT R.M. 135.3)	820621	1040	670.66	37,000

1-A-7

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 11 (Q SITE) (135.386 AT R.M. 135.7)	830505	1810	670.67	4,900
	830915	1751	670.67	10,600
	821003	1513	670.77	11,000
	831004	1340	670.67	11,400
	821002	1100	670.76	11,700
	820929	1800	670.75	12,400
	820830	1244	670.72	13,100
	830922	1205	670.66	13,600
	830524	1100	670.23	17,000
	830524	1420	670.73	17,000
	830721	1110	670.72	18,100
	830718	1040	670.72	18,900
	830609	1333	670.75	19,400
	830803	1330	670.73	21,600
	830823	1524	670.73	22,700
	830806	1155	670.73	23,800
	830806	1330	670.73	23,800
	830806	1500	670.73	23,800
	820920	1300	670.80	24,000
	820921	1130	670.80	24,200
830828	1030	670.75	26,600	
830629	0950	670.76	26,800	
820918	1010	670.80	26,800	
830707	1145	670.76	27,200	
830604	1045	670.85	36,000	

1-A-46

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 11 (HEAD) (135.343 AT R.M. 136.4)	831004	1300	684.00 1	11,400
	820830		684.00 1	13,100
	820813	1140	684.00 1	13,600
	820812	0935	684.00 1	14,400
	820811	1805	684.00 1	15,400
	820716	1255	684.00 1	25,600
	820918	1025	684.00 1	26,800

1) Gage was dewatered, 684.00 feet was the point of zero flow, as determined from the cross section at this site.

1-A-97

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
UPPER SIDE CHANNEL 11 (MOUTH) (136.2W3 AT R.M. 136.2)	831004	1258	676.84	11,400
	830911	1700	676.90	12,200
	830910	1730	677.01	12,700
	830711	1715	677.95	20,000
	830725	1257	678.31	21,900
	830829	1435	678.43	23,300
	830824	1605	678.31	24,700
	830826	1853	679.56	31,700

1-A-92

Appendix Table 1-A-7      continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
UPPER SIDE CHANNEL 11 (136.254 AT R.M. 136.2)	831004	1256	676.78	11,400
	830911	1655	676.91	12,200
	830910	1730	677.01	12,700
	830906	1720	677.41	16,000
	830829	1545	678.45	23,300
	830826	1851	679.65	31,700

1-A-99

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
UPPER SIDE CHANNEL 11 (136.285 AT R.M. 136.3)	831004	1247	677.68	11,400
	830911	1653	677.68	12,200
	830910	1800	677.69	12,700
	830906	1630	677.80	16,000
	830824	1605	678.10	24,700

1-A-122

Appendix Table 1-A-7 continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
UPPER SIDE CHANNEL 11 (Q SITE) (136.281 AT R.M. 136.5)	830911	1745	680.63	12,200
	830721	0945	681.34	18,100
	830727	1130	681.38	18,500
	830720	0940	681.34	18,600
	830821	1600	681.39	18,900
	830712	1115	681.40	19,700
	830725	1236	681.68	21,900
	830823		681.77	22,700
	830701	1150	681.74	23,100
	830806	1345	681.95	23,800
	830808	1450	682.24	26,000
	830808	1345	682.51	26,000
	830826	1835	682.93	31,700
	830810	1438	682.87	31,900
	830604	1300	683.44	36,000

1-A-101

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL. (ft)	DISCHARGE (cfs)
UPPER SIDE CHANNEL 11 (HEAD) (136.2H2 AT R.M. 136.6)	831010		684.50 <sup>1</sup>	8,400
	830917		684.50 <sup>1</sup>	10,000
	830906	1700	685.20	16,000
	830729	1726	685.56	17,300
	830821	1600	685.91	18,900
	830730	1133	685.93	19,100
	830731	1030	686.56	22,800
	830806	1409	686.66	23,800
	830824	0934	686.82	24,700
	830808	1504	687.11	26,000
	830707	1100	687.18	27,200
	830826	1003	687.91	31,700
	830826	1856	687.95	31,700
	830810	1453	687.76	31,500

- 1) Gage was dewatered. 684.50 feet was the point of zero flow, as determined from the cross section at this site.

1-A-102

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 16B (MOUTH) (138.0W1 AT R.M. 137.8)	820822	1445	696.32	12,200
	820813	1035	696.34	13,600
	820902	1136	696.34	16,000
	830717	1210	696.36	16,500
	830820	1355	696.34	17,800
	830701	1200	697.27	23,100
	820919	1641	697.52	24,100
	820915	1352	699.06	28,200
	820725	1110	699.20	31,900

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 16B (Q SITE) (138.085 AT R.M. 138.0)	821002	1454	700.08	11,700
	820822	1500	700.05	12,200
	831003	1200	700.11	13,000
	820813	1040	700.07	13,600
	820814	1722	700.18	13,600
	820902	1140	700.10	16,000
	830717	1215	700.06	16,500
	830820	1315	700.10	17,800
	830701	1650	700.28	23,100
	820919	1617	700.58	24,100
	820801	1551	700.85	26,400
	820915	1412	701.69	28,200

1-A-104

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 16B (HEAD) (138.0H3 AT R.M. 138.2)	820813	1020	703.00 <sup>1</sup>	13,600
	820831	1900	703.00 <sup>1</sup>	16,000
	820914	1626	703.17	20,200
	830822	0954	703.23	21,600
	830701	1600	703.35	23,100
	820920	1310	703.55	24,000
	820919	1543	703.51	24,100
	820915	1252	704.50	28,200
	820725	1115	704.59	31,900

- 1) Gage was dewatered, 703.00 feet was the point of zero flow, as determined from the cross section at this site.

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 19 (ACCESS) (140.0W1 AT R.M. 139.7)	831020	0920	718.56	7,230
	830914	1045	718.72	10,700
	821002	1733	718.61	11,700
	820820	0925	718.76	12,500
	831003	1111	718.69	13,000
	820819	1050	718.73	13,300
	820905	1515	718.76	13,600
	820813	1015	718.85	13,600
	820925	1150	719.02	15,000
	820831	1832	719.43	16,000
	820807	1000	719.69	16,500
	820806	1510	719.83	16,800
	830529	1921	720.22	17,000
	820708	1300	720.16	18,100
	830721	1855	720.35	18,100
	830821	1430	720.13	18,900
	830615	1610	721.09	19,600
	820914	1507	720.60	20,200
	830804	1543	720.88	20,900
	830630	1650	721.11	24,700
	820801	1656	722.20	26,400
	830629	1625	721.37	26,800
	820623	0940	721.79	27,000
	820915	1550	721.97	28,200
	820727	1315	721.55	29,100
	830809	1606	722.08	29,900
	830605	1300	721.79	30,000
	820622	1110	721.28	31,000
	820726	1245	721.88	31,800
	820620	1910	722.18	33,000
820620	1110	722.30	33,000	

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 19 (BELOW MOUTH) (140.0S3 AT R.M. 139.5)	830914	1028	719.10	10,700
	831003	1109	719.14	13,000
	830529	1837	720.10	17,000
	830721	1843	720.32	18,100
	830804	1540	720.82	20,900
	830616	1605	721.02	21,600
	830823	1802	720.99	22,700
	830630	1655	721.11	24,700
	830824	1338	721.37	24,700
	830629	1630	721.44	26,800
	830809	1639	722.27	29,900
	830605	1300	721.94	30,000

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Appendix Table 1-A-7 continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
SLOUGH 19 (Q SITE) (140.054 AT R.M. 139.9)	830914	1110	720.04	10,700
	830529	1844	720.09	17,000
	830721	1833	720.29	18,100
	830804	1532	720.80	20,900
	830823	1806	720.97	22,700
	830630	1748	721.08	24,700
	830824	1323	721.34	24,700
	830629	1635	721.39	26,800
	830809	1632	722.25	29,900

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 20 (MOUTH) (140.1W4 AT R.M. 140.1)	821010	1700	724.23	8,480
	830913	1910	724.18	11,100
	820821	0935	724.16	12,200
	820822	1330	724.16	12,200
	820820	1850	724.20	12,500
	820819	1950	724.22	13,300
	830922	1445	724.27	13,600
	820813	0920	724.29	13,600
	820905	1550	724.33	13,600
	820831	1820	724.43	16,000
	830716	1200	724.32	16,400
	830529	1426	724.76	17,000
	820901	1500	724.57	17,900
	830610	1100	724.55	18,000
	830721	1758	724.60	18,100
	830715	1915	724.51	18,600
	830715	1130	724.61	18,600
	830711	1152	724.78	20,000
	820914	1420	724.82	20,200
	830804	1507	724.97	20,900
	830904	1340	724.88	21,000
	830616	1525	725.17	21,600
	830724	1100	725.28	22,700
	820711	1900	725.26	24,000
	820920	1255	725.40	24,000
	830824	1252	725.53	24,700
	830702	1430	725.43	24,900
	830901	1130	725.52	25,400
	830828	1135	725.71	26,600
	820918	1810	725.48	26,800
	820724	1100	725.69	26,800
	820623	0945	725.65	27,000
	820619		725.90	28,000
820727	1125	726.04	29,100	
830809	1607	726.44	29,900	
820622	1115	726.30	31,000	
830810	1015	726.52	31,900	
820916	1345	726.59	32,500	

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 20 (Q SITE) (140.185 AT R.M. 140.2)	821010	1730	726.89	8,480
	821003	1645	726.92	11,000
	830913	1915	726.75	11,100
	820820	1850	726.72	12,500
	831003	1100	727.00	13,000
	820813	0920	726.80	13,600
	830922	1500	726.81	13,600
	830716	1315	726.69	16,400
	820807	1130	726.85	16,500
	830529	1452	727.21	17,000
	820901	1715	726.89	17,900
	830721	1804	726.64	18,100
	820804	1200	726.90	18,500
	830715	1140	726.73	18,600
	830711	1159	726.70	20,000
	820914	1424	727.07	20,200
	830804	1511	726.69	20,900
	830616	1515	726.89	21,600
	820802	1210	727.07	22,500
	830701	1212	726.77	23,100
	830824	1258	726.93	24,700
	830828	1122	727.04	26,600
	820724	1130	727.19	26,800
	820623	0950	727.17	27,000
	820727	1125	727.50	29,100
	830809	1606	727.65	29,900
	820916	1415	728.15	32,500

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Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 20 (HEAD) (140.1H3 AT R.M. 140.6)	820820	1145	730.50 <sup>1</sup>	12,500
	820901	1715	730.50 <sup>1</sup>	17,900
	820914	1430	730.50 <sup>1</sup>	20,200
	820709	1225	730.96	21,500
	820802	1235	731.04	22,500
	830724	1030	731.10	22,700
	830701	1000	731.00	23,100
	820920	1240	731.08	24,000
	820711	1800	731.26	24,000
	820918	1712	731.39	26,800
	820623	1010	731.77	27,000
	820619		731.61	28,000
	820915	1539	731.76	28,200
	820727	1200	731.82	29,100
	830809	1208	731.65	29,900
820916	1220	731.95	32,500	

1) Gage was dewatered, 730.50 feet was the point of zero flow, as determined from the cross section at this site.

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 21 (MOUTH) (140.6W1 AT R.M. 140.6)	831020	0900	729.05	7,230
	830912	1238	729.32	11,600
	830527	1047	730.29	17,000
	830804	1425	730.81	20,900
	830616	1505	730.96	21,600
	830822	1909	730.99	21,600
	830630	1227	731.18	24,700
	830809	1202	731.90	29,900
	830601	1146	732.36	33,000

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Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 21 (UPPER Q SITE) (140.687 AT R.M. 141.7)	830921	1155	744.21	11,000
	830913	1345	744.24	11,100
	830912	1745	744.23	11,600
	830804	1200	744.49	20,300
	830630	1137	744.73	24,700
	830828	1158	745.00	26,600
	830825	0900	745.08	27,400
	830809		745.66	29,900

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Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SIDE CHANNEL 21 (LOWER Q SITE) (140.6S4 AT R.M. 141.1)	830914	1200	735.92	10,700
	830921	1600	735.93	11,000
	830913	1700	736.00	11,100
	830912	1524	736.11	12,200
	830911	1630	736.23	12,200
	830528	1544	736.77	16,000
	830721	1735	737.02	18,100
	830821	1430	737.04	18,900
	830713	1140	737.04	19,100
	830819	1130	737.06	19,200
	830804	1339	737.20	20,900
	830822	1707	737.29	21,600
	830725	1115	737.20	21,900
	830630	1430	737.36	24,700
	830824		737.53	24,700
	830807	1500	737.44	25,000
	830606	2230	737.41	26,000
	830606	1700	737.47	26,000
	830606	1330	737.48	26,000
	830809	1150	737.73	29,900
830601	1737	738.21	33,000	

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Appendix Table 1-A-7

continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
SIDE CHANNEL 21 (MID CHANNEL) (140.6S2 AT R.M. 141.6)	830913	1410	742.73	11,100
	830527	1735	743.64	17,000
	830721	1615	743.61	18,100
	830819	1140	743.67	19,200
	830612	1330	743.91	20,000
	830804	1312	743.79	20,900
	830822	1534	743.88	21,600
	830630	1540	743.91	24,700
	830809	1557	744.57	29,900
	830601	1732	744.75	33,000

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Appendix Table 1-A-7

continued

<u>LOCATION</u>	<u>DATE</u>	<u>TIME</u>	<u>WSEL (ft)</u>	<u>DISCHARGE (cfs)</u>
SIDE CHANNEL (A5)	830912	1738	743.80	11,600
(140.683 AT R.M. 140.6)	830528	1202	744.47	16,900
	830803	1302	745.10	21,600
	830822	1516	745.34	21,600
	830630	0941	745.48	24,700
	830601	1320	746.68	33,000

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Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
CHANNEL A6 (UPPER) (140.6H5 AT B.M. 141.9)	830912		748.05	11,600
	830527		748.05	17,000
	830803	1250	748.40	21,600
	830822	1433	748.47	21,600
	830630	0953	748.64	24,700
	830809	1525	749.39	29,900
	830605	1710	749.02	30,000
	830605	1320	749.12	30,000
	830810	1029	749.52	31,900
830601	1614	749.40	33,000	

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Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 21 (MOUTH) (142.0WS AT R.M. 141.8)	831020	0843	744.72	7,230
	830913	1600	744.71	11,100
	830912	1755	744.70	11,600
	820821	1000	744.67	12,200
	830911	1500	744.71	12,200
	821001	1350	744.72	12,400
	820820	1700	744.68	12,500
	820813	0925	744.70	13,600
	820927	1645	744.75	13,800
	820831	1612	744.69	16,000
	820809	1335	744.72	17,000
	830721	1543	744.70	18,100
	830517	1238	744.72	19,000
	830819	1420	744.74	19,200
	830712	1433	744.73	19,700
	820914	1315	744.70	20,200
	830520	1115	744.76	21,000
	830822	1255	744.75	21,600
	830803	1013	744.76	21,600
	830608	1630	744.76	22,000
	820922	1111	744.82	22,300
	820802	1400	744.82	22,500
	820720	1850	744.76	22,900
	820920	1225	744.92	24,000
	820919	1225	744.89	24,100
	830630	1025	744.93	24,700
	830807	1030	745.12	25,000
	820728	1310	745.17	25,600
	830828	1200	745.26	26,600
	820918	1415	745.22	26,800
	820623	1040	745.34	27,000
	830811	1310	745.30	27,700
830708	1045	745.58	27,900	
830809	1423	746.08	29,900	
830605	1630	745.52	30,000	
830605	1330	745.66	30,000	
820916	1134	746.59	32,500	
830601	1604	746.33	33,000	
830601	1310	746.73	33,000	

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Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 21 (R&M CONSULTANTS) (142.0S7 AT R.M. 141.9)	830912	1758	741.45	11,600
	830819	1420	741.47	19,200
	830804	1117	741.43	20,900
	830822	1255	741.46	21,600
	830807	1400	742.40	25,000
	830828	1200	741.86	26,600
	830825	0837	741.93	27,400
	830811	1310	741.94	27,700
	830708	1045	742.21	27,900
	830809	1424	742.73	29,900

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Appendix Table I-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 21 (Q SITE) (142.056 AT R.M. 142.0)	830428	1009	744.81	2,900
	830507	1210	744.86	5,800
	830507	1256	744.88	5,800
	830929	1009	744.81	9,400
	821003	1319	744.96	11,000
	830921	1215	745.00	11,000
	830913	1634	745.02	11,100
	830912	1758	745.02	11,600
	821002	1515	744.96	11,700
	820906	1240	744.89	12,200
	820820	1645	744.95	12,500
	831003	1030	745.02	13,000
	820927	1635	744.98	13,800
	820831	1512	744.91	16,000
	820809	1340	745.00	17,000
	830721	1525	744.99	18,100
	820914	1310	744.92	20,200
	830804	1113	745.00	20,900
	830822	1352	745.07	21,600
	820802	1400	744.99	22,500
	820720	1800	744.93	22,900
	820920	1216	745.04	24,000
	820919	1408	745.03	24,100
	830630	1115	745.03	24,700
	830831	1720	745.13	24,800
	820728	1305	745.13	25,600
	830828	1200	745.20	26,600
	820918	1531	745.14	26,800
	830825	0835	745.26	27,400
	830811	1310	745.43	27,700
830708	1045	745.52	27,900	
820915	1830	746.05	28,200	
830809	1510	746.03	29,900	
820725	1710	746.99	31,900	
820916	1020	746.52	32,500	
830601	1346	746.64	33,000	

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Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 21 (NW HEAD) (142.0H3 AT R.M. 142.2)	820831	1500	754.64 <sup>1</sup>	16,000
	820709	1300	754.64 <sup>1</sup>	21,500
	820802	1433	754.64 <sup>1</sup>	22,500
	820720	1635	754.64 <sup>1</sup>	22,900
	820711	1730	754.64 <sup>1</sup>	24,000
	820728	1235	754.72	25,600
	820918	1600	754.66	26,800
	820623	1055	754.81	27,000
	830809	1548	755.26	29,900
	830605	1700	754.89	30,000
	830605	1315	754.99	30,000
	820622	1230	755.17	31,000
	820725	1745	755.61	31,900
	820916	1004	755.30	32,500
	830601	1802	755.09	33,000
820620			755.40	33,000

1) Gage was dewatered, 754.64 feet was the point of zero flow, as determined from the cross section at this site.

1-A-121

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 21 (NE HEAD) (142.0HI AT R.M. 142.3)	820831	1335	755.61 <sup>1</sup>	16,000
	830518	1100	755.61 <sup>1</sup>	20,000
	820802	1449	755.61 <sup>1</sup>	22,500
	820920	1210	755.61 <sup>1</sup>	24,100
	820728	1235	755.61 <sup>1</sup>	25,600
	820915	1604	756.76	28,200
	830809	1544	757.56	29,900
	830605	1300	757.20	30,000
	820725	1500	757.22	31,900
	830810	1639	757.52	31,900
	820620		757.22	33,000
	830601	1755	757.41	33,000

- 1) Gage was dewatered, 755.61 feet was the point of zero flow, as determined from the cross section at this site.

1-A-122

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 22 (MOUTH) (144.3W3 AT R.M. 144.2)	830915	1250	780.38	10,600
	821003	1130	780.43	11,000
	820822	1200	780.41	12,200
	820813	0900	780.47	13,600
	820831	1155	780.61	16,000
	820914	1203	780.64	20,200
	820720	1435	780.73	22,900
	820920	1145	780.85	24,000
	820919	1223	780.85	24,100
	820728	1205	781.14	25,600
	820918	1525	781.12	26,800
	820623	1730	781.19	27,000
	820915	1735	781.84	28,200

1-A-123

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 22 (MID SLOUGH) (144.384 AT R.M. 144.5)	830915	1235	780.64	10,600
	830909	1015	780.66	13,200
	830716	1435	780.60	16,400
	830727	1100	780.59	18,500
	830701	1400	780.84	23,100
	830824	1100	781.25	24,700
	830702		781.22	24,900
	830823	1015	781.63	26,600
	830809	1420	782.47	29,900
	830809	1715	782.70	29,900

Appendix Table 1-A-7

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 22 (Q SITE) (144.386 AT R.M. 144.6)	830915	1229	783.37	10,600
	820813	0900	783.36	13,600
	830716	1445	783.24	16,400
	830819	1220	783.53	19,200
	820914	1141	783.63	20,200
	820802	1710	783.52	22,500
	820720	1415	783.58	22,900
	820920	1130	783.89	24,000
	820919	1217	783.84	24,100
	830702	1632	784.04	24,900
	820728	1145	784.26	25,600
	820918	1424	784.30	26,800
	820915	1640	785.08	28,200

1-14-125

Appendix Table 1-A-7 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 22 (HEAD) (144.3N2 AT R.M. 144.7)	820813	0855	786.35 <sup>1</sup>	13,600
	820831	1130	786.35 <sup>1</sup>	16,000
	820708	1815	786.35 <sup>1</sup>	18,100
	830805	1220	788.20	21,700
	820802	1717	788.06	22,500
	820720	1100	788.35	22,900
	820920	1125	788.37	24,000
	820919	1102	788.34	24,100
	830824	1013	788.57	24,700
	820728	1140	788.78	25,600
	820918	1410	788.79	26,800
	820623	1735	788.88	27,000
	820915	1634	789.46	28,200
	820622	1615	789.43	31,000
830810	1649	789.71	31,900	

1) Gage was dewatered, 786.35 feet was the point of zero flow, as determined from the cross section at this site.

1-A-126

Appendix Table 1-A-8 Comparison of water surface elevation (WSEL) and flow measurements at selected side channel, slough and tributary study sites in the Talkeetna to Devil Canyon reach to the mean daily Susitna River discharge recorded at Gold Creek, (USGS 15292000).

	DATE	TIME	WSEL (ft)	MEASURED FLOW (cfs)	MAINSTEM DISCHARGE (cfs)	COMMENT
WHISKERS SIDE SLOUGH (GAGE 101.2S3 AT R.M. 101.4)	820816	1445	365.81	.2	15,600	NOT BREACHED
	820903	1625	365.65	.7	14,600	NOT BREACHED
	821009	1145	365.58	2.0	8,440	NOT BREACHED
	830618	1100	365.95	9.1	22,900	BREACHED
	820920	1530	366.20	35.1	24,000	BREACHED
WHISKERS CREEK (GAGE 101.2T2 AT R.M. 101.4)	830618	1145	366.06	9.8	22,900	TRIBUTARY
	820816	1700	366.37	16.9	15,600	TRIBUTARY
	821009	1145	366.51	31.8	8,440	TRIBUTARY
	820903	1550	366.87	54.7	14,600	TRIBUTARY
	820920	1615	367.91	142.5	24,000	TRIBUTARY
UPLAND SLOUGH 6A (GAGE 112.3W1 AT R.M. 112.3)	820921	1040	457.49	.6	24,200	UPLAND SLOUGH
	830722	1545	457.00	8.9	18,600	UPLAND SLOUGH
	830825	1120	458.13	45.9	27,400	UPLAND SLOUGH
LANE CREEK (GAGE 113.6T7 AT R.M. 113.6)	830625	1455	475.53	10.8	23,300	TRIBUTARY
	820817	1425	475.79	27.5	15,100	TRIBUTARY
	830616	1130	475.77	32.1	21,600	TRIBUTARY
	830825	1725	475.68	32.2	27,400	TRIBUTARY
	820816		475.44	35.3	15,600	TRIBUTARY
	820902		475.79	51.7	16,000	TRIBUTARY
	820831		475.94	56.7	16,000	TRIBUTARY
SIDE SLOUGH 8 (GAGE 113.6S2 AT R.M. 113.6)	820903	1456	468.28	2.0	14,600	NOT BREACHED
	830809	1815	470.41	6.7	29,900	BREACHED
	820920	1333	469.41	9.9	24,000	NOT BREACHED
	830825	1620	470.58	10.0	27,400	BREACHED
	820917	1517	470.75	20.7	32,000	BREACHED
MAINSTEM 2 SIDE CHANNEL-NW CHANNEL (GAGE 114.4S5 AT R.M. 115.3)	830611	1745	480.64	352.0	19,000	BREACHED
	830806	1150	481.53	958.0	23,800	BREACHED
	830808	1215	481.92	1415.0	26,000	BREACHED
	830825	1315	481.96	1608.0	27,400	BREACHED
MAINSTEM 2 SIDE CHANNEL-NE CHANNEL (GAGE 114.4S8 AT R.M. 115.4)	830721	2000	480.44	.2	18,100	NOT BREACHED
	830806	1820	480.57	.7	23,800	NOT BREACHED
	830825	1515	481.30	15.8	27,400	BREACHED
	830808	1530	481.33	32.3	26,000	BREACHED
	830826	1935	482.88	429.0	31,700	BREACHED

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	DATE	TIME	WSEL (ft)	MEASURED FLOW (cfs)	MAINSTEM DISCHARGE (cfs)	COMMENT
SIDE SLOUGH 8A-NE CHANNEL (GAGE R&M STAGE AT R.M. 125.9)	830721	1250	568.53	2.7	18,100	NOT BREACHED
	830630	1404	568.60	3.8	24,700	NOT BREACHED
	830827	1145	568.75	5.4	31,000	NOT BREACHED
	830823	1145	568.70	6.6	22,700	NOT BREACHED
	830809	1130	568.91	19.5	29,900	NOT BREACHED
SIDE SLOUGH 8A-NE CHANNEL (GAGE 125.3S1 AT R.M. 125.9)	830721	1250	566.33	2.7	18,100	NOT BREACHED
	830630	1404	566.08	3.8	24,700	NOT BREACHED
	830827	1145	567.07	5.4	31,000	NOT BREACHED
	830823	1145	566.97	6.6	22,700	NOT BREACHED
	830809	1130	566.91	19.5	29,900	NOT BREACHED
SIDE SLOUGH 8A-NW CHANNEL (GAGE 125.3S3 AT R.M. 125.9)	830804	1130	566.03	0.0	20,900	NOT BREACHED
	830721	1150	566.00	.4	18,100	NOT BREACHED
	830823	1300	566.05	.8	22,700	NOT BREACHED
	830809	1245	566.46	13.4	29,900	CHL BREACHED
	830827	1315	566.81	43.6	31,000	CHL BREACHED
SIDE SLOUGH 8A (LOWER PORTION) (GAGE 125.3S4 AT R.M. 125.9)	830721	1515	563.51	4.2	18,100	NOT BREACHED
	830804	1325	563.57	5.4	20,900	NOT BREACHED
	830823	1400	563.66	9.0	22,700	NOT BREACHED
	830827	1420	564.14	45.5	31,000	NW CHL BREACHED
SIDE SLOUGH 9 (GAGE 128.3S1 AT R.M. 129.2)	820825		593.51	1.7	13,400	NOT BREACHED
	820909		593.56	3.0	13,400	NOT BREACHED
	830721	1745	593.36	5.6	18,100	BREACHED
	830730	0930	593.37	7.8	19,100	BREACHED
	820904	1430	593.37	8.0	14,400	NOT BREACHED
	820720		593.92	28.0	22,900	BREACHED
	830630	1030	594.00	77.4	24,700	BREACHED
	830607	1225	593.96	89.0	23,000	BREACHED
	820715		594.10	108.0	25,600	BREACHED
	820920	1520	594.15	148.0	24,000	BREACHED
	820623		594.27	182.0	27,000	BREACHED
	820918	1305	594.42	232.0	26,800	BREACHED
	830809	1547	595.25	501.5	29,900	BREACHED
4TH OF JULY CREEK (GAGE 131.1T1 AT R.M. 131.1)	830803	1450	624.46	2.2	21,600	TRIBUTARY
	830803	1015	624.47	3.6	21,600	TRIBUTARY
	830624	2030	624.94	10.5	24,000	TRIBUTARY
	830630	1750	624.80	16.4	24,700	TRIBUTARY
	820603	1625	625.35	38.3	19,800	TRIBUTARY
	830826	1025	625.15	51.5	31,700	TRIBUTARY

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	DATE	TIME	WSEL (ft)	MEASURED FLOW (cfs)	MAINSTEM DISCHARGE (cfs)	COMMENT
SIDE CHANNEL 10 (GAGE 133.8S3 AT R.M. 134.2)	830911	1115	654.27	.2	12,200	NOT BREACHED
	830717	1030	654.30	.6	16,500	NOT BREACHED
	830726	1530	654.72	8.0	19,400	BREACHED
	830803	1745	655.15	31.6	21,600	BREACHED
	830724	1620	655.57	80.0	22,700	BREACHED
	830629	1630	655.84	93.9	26,800	BREACHED
	830808	1235	656.30	266.6	26,000	BREACHED
	830810	1120	658.26	781.3	31,900	BREACHED
830826	1605	657.97	803.0	31,700	BREACHED	
SIDE CHANNEL 10 (GAGE 133.8S2 AT R.M. 134.2)	830911	1155	651.94	.3	12,200	NOT BREACHED
	830826	1350	653.91	776.0	31,700	BREACHED
	830810	0921	653.86	836.9	31,900	BREACHED
SIDE CHANNEL 10 (GAGE 133.8S1 AT R.M. 134.2)	830911	1300	651.01	.9	12,200	NOT BREACHED
	830826	1145	653.54	736.0	31,700	BREACHED
	830810	1110	653.53	756.8	31,900	BREACHED
LOWER SIDE CHANNEL 11 (GAGE 134.6S2 AT R.M. 134.6)	830929	1200	663.09	820.0	9,400	BREACHED
	830915	0930	663.22	973.0	10,600	BREACHED
	830711	1400	664.15	2790.0	20,000	BREACHED
	830811	1700	664.72	4210.0	27,700	BREACHED
SIDE SLOUGH 11 (GAGE 135.3S6 AT R.M. 135.7)	830721	1020	670.72	2.0	18,100	NOT BREACHED
	820830	1244	670.72	3.1	13,100	NOT BREACHED
	830629	1000	670.76	4.1	26,800	NOT BREACHED
	820918	1010	670.80	5.5	26,800	NOT BREACHED
UPPER SIDE CHANNEL 11 (GAGE 136.2S1 AT R.M. 136.3)	830911	1715	680.63	.1	12,200	NOT BREACHED
			680.95	12.0		IFG4 SYNTHESIZED
	830712	1145	681.35	54.0	19,700	BREACHED
	830720	0945	681.34	56.6	18,600	BREACHED
	830727	1130	681.38	59.6	18,500	BREACHED
	830608	1550	681.63	110.0	22,000	BREACHED
	830629	1255	682.13	335.0	26,800	BREACHED
	830808	1400	682.24	403.0	26,000	BREACHED
	830810	1346	682.87	735.6	31,900	BREACHED
	830826	1745	682.93	777.5	31,700	BREACHED
GOLD CREEK (GAGE 136.8T1 AT R.M. 136.7)	830806	1605	696.09	34.1	23,800	TRIBUTARY
	830827	1705	696.18	51.1	31,000	TRIBUTARY
	830629	1442	696.25	56.0	26,800	TRIBUTARY
	830808	1809	696.86	153.6	26,000	TRIBUTARY

	DATE	TIME	WSEL (ft)	MEASURED FLOW (cfs)	MAINSTEM DISCHARGE (cfs)	COMMENT
SIDE SLOUGH 16B (GAGE 138.0S5 AT R.M. 138.0)	820907		700.08	1.1	11,700	NOT BREACHED
	830701	1521	700.28	6.0	23,100	BREACHED
	820919	1617	700.58	24.0	24,100	BREACHED
	820801	1551	700.85	55.0	26,400	BREACHED
	820915	1412	701.69	257.0	28,200	BREACHED
INDIAN RIVER (GAGE 138.6T2 AT R.M. 138.6)	830728	1830	847.03	97.9	17,700	TRIBUTARY
	830712	1600	847.18	173.0	19,700	TRIBUTARY
	821007		4.75	178.0	8,640	TRIBUTARY
	830913	0900	847.28	242.0	11,100	TRIBUTARY
	820910		4.93	268.0	14,400	TRIBUTARY
	830827	1215	847.49	338.0	31,000	TRIBUTARY
	830705	1140	847.49	459.0	25,100	TRIBUTARY
820921		5.76	930.0	24,200	TRIBUTARY	
UPLAND SLOUGH 19 (GAGE 140.0S4 AT R.M. 139.8)	830721	1755	720.29	.2	18,100	UPLAND SLOUGH
	820819	1730	718.79	.4	13,300	UPLAND SLOUGH
SIDE SLOUGH 20 (GAGE 140.1S5 AT R.M. 140.2)	820820	1120	726.76	2.6	12,500	NOT BREACHED
	830701	1230	726.77	5.7	23,100	BREACHED
	820901	1643	726.89	11.6	17,900	NOT BREACHED
	820802	1220	727.07	16.5	22,500	BREACHED
	820918	1825	727.35	44.8	26,800	BREACHED
	820916	1415	728.15	158.8	32,500	BREACHED
WATERFALL CREEK (GAGE 140.1T6 AT R.M. 140.3)	830701	1145	730.57	5.4	23,100	TRIB. TO SLOUGH 20
	830616	1445	730.69	13.0	21,600	TRIB. TO SLOUGH 20
TRIBUTARY AT HEAD OF SLOUGH 20 (GAGE 140.1T3 AT R.M. 140.6)	820901	1540	730.20	.7	17,900	TRIB. TO SLOUGH 20
	830701	1020	730.23	1.1	23,100	TRIB. TO SLOUGH 20
	820918	1217	730.74	9.3	26,800	TRIB. TO SLOUGH 20
	820916	1230	731.39	23.5	32,500	TRIB. TO SLOUGH 20
SIDE CHANNEL 21 (GAGE 140.6S4 AT R.M. 141.1)	830914	1325	736.08	23.0	10,700	A5 NOT BREACHED
	830912	1540	736.11	56.1	11,600	A5 BREACHED
	830721	1644	737.02	337.6	18,100	A5 BREACHED
	830711	1440	737.06	431.0	20,000	A5 AND A6 BREACHED
	830822	1558	737.31	614.0	21,600	A5 AND A6 BREACHED
	830630	1430	737.36	655.2	24,700	A5 AND A6 BREACHED
	830606	1900	737.54	776.0	26,000	A5 AND A6 BREACHED
	830809	1007	737.73	1213.0	29,900	A5 AND A6 BREACHED

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	DATE	TIME	WSEL. (ft)	MEASURED FLOW (cfs)	MAINSTEM DISCHARGE (cfs)	COMMENT
SIDE CHANNEL 21 (GAGE 140.6S7 AT R.M. 141.8)	830804	1200	744.49	3.8	20,900	A6 BREACHED
	820902	1710	744.30	5.0	16,000	A6 NOT BREACHED
	820919	1220	744.59	10.0	24,100	A6 BREACHED
	830630	1130	744.73	10.9	24,700	A6 BREACHED
	830605	1500	745.33	74.0	30,000	A6 BREACHED
	820917	1540	745.80	157.0	32,000	A6 BREACHED
	830809	1315	746.08	332.0	29,900	A6 BREACHED
SIDE SLOUGH 21 (GAGE 142.0S6 AT R.M. 141.9)	820831	1518	744.90	3.3	16,000	NOT BREACHED
	830721	1500	744.99	3.3	18,100	NOT BREACHED
	830822	1307	745.07	4.1	21,600	NOT BREACHED
	820802	1400	744.93	5.0	22,500	NOT BREACHED
	830809	1430	746.03	36.9	29,900	BREACHED
	820916	1024	746.52	59.2	32,500	BREACHED
	830601	1346	746.57	70.0	33,000	BREACHED
SIDE SLOUGH 22 (GAGE 144.3S6 AT R.M. 144.6)	820919	1124	783.84	5.1	24,100	BREACHED
	830702	1638	784.04	19.6	24,900	BREACHED
	820918	1425	784.28	31.2	26,800	BREACHED
	820915	1642	785.08	118.5	28,200	BREACHED
PORTAGE CREEK (GAGE 148.8T1 AT R.M. 148.9)	830730	1055	840.12	267.0	19,100	TRIBUTARY
	820610		840.52	434.0	26,000	TRIBUTARY
	830712	1300	840.44	477.0	19,700	TRIBUTARY
	820904		840.94	620.0	14,400	TRIBUTARY
	820805		840.98	666.0	17,400	TRIBUTARY
	830828	1225	840.94	789.0	26,600	TRIBUTARY
	830702	1214	841.33	1088.0	24,900	TRIBUTARY
	820708		841.93	1190.0	18,100	TRIBUTARY
820915		842.17	2160.0	28,200	TRIBUTARY	

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Appendix Table 1-A-9

Comparison of tributary water surface elevations to mean daily mainstem discharge (cfs) obtained at the USGS gaging station at Gold Creek (15292000).

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
WHISKERS CREEK (Q SITE) (101.2T2 AT R.M. 101.4)	821009	1145	366.51	8,440
	821006	1300	366.59	8,960
	830911	0950	366.03	12,200
	820822	1400	366.21	12,200
	820928	1715	366.84	12,900
	820909	1315	366.39	13,400
	820813	1405	366.48	13,600
	820903	1550	366.87	14,600
	820816	1700	366.37	15,600
	820808	1930	366.12	16,600
	830522	1500	366.50	19,000
	830618	1225	366.06	22,900
	820611		366.06	24,000
	820920	1615	367.91	24,000
	820715	1320	365.49	25,600
	820622	0930	367.07	31,000
820725	1525	368.47	31,900	
820621	1300	367.40	37,000	

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Appendix Table 1-A-9

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LANE CREEK (113.6T3 AT R.M. 113.6)	821004	1228	472.03	10,500
	831004	1240	473.00	11,400
	830912	1615	472.57	11,600
	820909	1100	471.94	13,400
	820926	1335	472.11	14,000
	820910	1630	471.91	14,400
	820903	1450	472.23	14,600
	820925	1640	472.14	15,000
	830528	1010	473.09	16,000
	820808	1430	471.95	16,600
	830820	1435	472.95	17,800
	830721	1350	472.77	18,100
	830715	1345	472.40	18,600
	830616	1115	472.75	21,600
	830710	1100	472.43	22,200
	830625	1500	472.55	23,300
	830622	1040	472.60	23,600
830807	1605	472.39	25,000	
830808	1715	472.94	26,000	
820917	1645	472.58	32,000	

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Appendix Table 1-A-9

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
LANE CREEK (Q SITE) (113.6T7 AT R.M. 113.6)	831004	1240	475.93	11,400
	830912	1615	475.57	11,600
	820817	1425	475.79	15,100
	820816		475.44	15,600
	820902		475.79	16,000
	820831		475.94	16,000
	830721	1350	475.28	18,100
	830715	1350	475.42	18,600
	830616	1130	475.77	21,600
	830710	1124	475.46	22,200
	830625	1500	475.53	23,300
	830807	1605	475.42	25,000
	830808	1715	475.87	26,000
	830825	1725	475.68	27,400

1-A-134

Appendix Table 1-A-9 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
4TH OF JULY CREEK (Q SITE) (131.1TI AT R.M. 131.1)	830912	1450	625.05	11,600
	820907	1745	625.29	11,700
	820908	1345	625.24	11,900
	820822	1315	624.99	12,200
	821001	1524	625.53	12,400
	830910	1108	625.15	12,700
	820813	1220	625.18	13,600
	820818	1805	625.18	14,200
	820903	1130	625.81	14,600
	820811	1015	625.33	15,400
	820902	1640	625.67	16,000
	820810	1835	625.38	16,700
	820924	1750	625.53	17,100
	830923	1025	625.28	17,500
	830703	1235	624.78	19,600
	820803	1625	625.35	19,800
	830804	1030	624.46	20,900
	830709	1450	624.70	21,500
	830803	1450	624.46	21,600
	830803	1015	624.47	21,600
	830823	1046	625.25	22,700
	820920	1030	626.28	24,000
	820919	1026	626.28	24,100
	830630	1750	624.80	24,700
	820728	1625	625.52	25,600
	830624	2030	624.94	26,000
	830730	1400	624.50	26,400
	830828	1557	625.08	26,600
	830811	1000	625.32	27,700
	830826	1024	625.16	31,700
820917	1050	626.17	32,000	

1-A-135

Appendix Table 1-A-9 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
GOLD CREEK (136.8T1 AT R.M. 136.8)	830914	1709	696.16	10,700
	830516	1420	696.19	17,000
	830517	1415	696.24	19,000
	830617	1840	696.55	23,300
	830806	1542	696.09	23,800
	830808	1850	696.86	26,000
	830629	1442	696.25	26,800
	830827	1705	696.18	31,000

1-A-136

Appendix Table 1-A-9 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
GOLD CREEK (PRESSURE/TEMPERATURE) (136.8T2 AT R.M. 136.8)	830914	1717	694.43	10,700
	830517	1415	694.32	19,000
	830806	1542	694.39	23,800
	830808	1850	695.09	26,000

1-4-137

Appendix Table I-A-9      continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
INDIAN RIVER (PRESSURE/TEMPERATURE) (138.6TI AT R.M. 138.6)	830721	1255	747.10	18,100
	830517	0938	747.99	19,000
	830712	1600	747.18	19,700
	830617	0856	747.80	23,300
	830705	1140	747.51	25,100

1-A-138

Appendix Table 1-A-9

continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
INDIAN RIVER (138.6T2 AT R.M. 138.6)	831019	1200	847.29	8,010
	830913	0942	847.28	11,100
	830913	0946	847.30	11,100
	831003	1615	847.68	13,000
	830728		847.03	17,700
	830721	1255	847.10	18,100
	830712	1600	847.18	19,700
	830807	1315	847.22	25,000
	830	1140	847.49	25,100
	830	1326	847.49	31,000

1-A-139

Appendix Table 1-A-9 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
SLOUGH 20 (SMALL TRIBUTARY) (140.IT3 AT R.N. 140.5)	821003	1715	731.23	11,000
	820820	1145	730.16	12,500
	820813	1005	730.19	13,600
	830529	1612	730.38	17,000
	820901	1540	730.20	17,900
	830721	1817	730.17	18,100
	820804	1220	730.04	18,500
	820914	1447	730.52	20,200
	830804	1441	730.20	20,900
	820802	1230	730.37	22,500
	830701	1020	730.23	23,100
	820918	1217	730.74	26,800
	820623	1015	730.61	27,000
	820619		730.77	28,000
	820727	1205	730.84	29,100
	830809	1211	730.86	29,900
	820622	1145	730.98	31,000
820916	1230	731.39	32,500	

1-A-140

Appendix Table 1-A-9 continued

LOCATION	DATE	TIME	WSEL (ft)	DISCHARGE (cfs)
WATERFALL CREEK (Q SITE) (140.116 AT R.M. 140.3)	830913	1916	730.56	11,100
	831003	1103	730.72	13,000
	830716	1315	730.48	16,400
	830529	1541	730.96	17,000
	830721	1802	730.44	18,100
	830715	1545	730.51	18,600
	830804	1514	730.47	20,900
	830616	1445	730.69	21,600
	830701	1145	730.57	23,100
	830824	1301	730.62	24,700
	830828	1120	730.55	26,600
	830809	1616	730.75	29,900

1-A-141

Appendix Table 1-A-10.

Daily mean streamflow record for  
Gold Creek, Alaska, 1983.  
River Mile 136.7  
Tributary River Mile 0.2

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830516	—	—
830517	1.0	69
830518	1.1	76
830519	1.1	74
830520	1.1	81
830521	1.2	95
830522	1.3	110
830523	1.2	102
830524	1.2	102
830525	1.2	104
830526	1.3	113
830527	1.3	116
830528	1.3	118
830529	1.5	149
830530	1.6	172
830531	1.9	238

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Gold Creek tributary streamflow/water depth rating curve.

1-A-142

Table 1-A-10.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830601	1.8	217
830602	1.7	193
830603	1.7	205
830604	1.6	163
830605	1.4	138
830606	1.5	156
830607	1.5	156
830608	1.4	137
830609	1.3	120
830610	1.3	118
830611	1.4	126
830612	1.3	120
830613	1.3	114
830614	1.3	115
830615	1.3	116
830616	1.3	116
830617	1.2	103
830618	1.3	105
830619	1.3	115
830620	1.2	102
830621	1.2	90
830622	1.2	90
830623	1.1	83
830624	1.0	73
830625	1.0	69
830626	1.0	65
830627	.9	59
830628	.9	59
830629	.9	57
830630	.9	54

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Gold Creek tributary streamflow/water depth rating curve.

Table 1-A-10.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830701	.9	53
830702	.9	59
830703	.9	51
830704	.9	49
830705	.8	47
830706	.8	46
830707	.8	43
830708	.8	44
830709	.8	40
830710	.8	39
830711	.7	36
830712	.7	35
830713	.8	39
830714	1.0	60
830715	.9	50
830716	.8	44
830717	.8	42
830718	.8	40
830719	.7	36
830720	.7	35
830721	.7	33
830722	.7	32
830723	.7	36
830724	.7	34
830725	.7	32
830726	.7	30
830727	.7	29
830728	.6	27
830729	.6	26
830730	.6	27
830731	.7	30

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Gold Creek tributary streamflow/water depth rating curve.

1-A-144

Table 1-A-10.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830801	.7	27
830802	.6	25
830803	.6	24
830804	.7	29
830805	.8	40
830806	.8	40
830807	.7	37
830808	1.4	131
830809	1.7	200
830810	1.3	114
830811	1.1	83
830812	1.2	89
830813	1.3	114
830814	1.2	103
830815	1.1	84
830816	1.0	72
830817	1.0	65
830818	1.0	61
830819	.9	56
830820	.9	57
830821	1.1	79
830822	1.0	69
830823	1.0	64
830824	1.0	66
830825	1.0	60
830826	.9	53
830827	.9	52
830828	.9	52
830829	.9	50
830830	1.0	62
830831	1.1	84

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Gold Creek tributary streamflow/water depth rating curve.

Table 1-A-10.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830901	1.1	79
830902	1.4	134
830903	1.1	88
830904	1.1	74
830905	1.0	68
830906	1.0	63
830907	1.0	60
830908	.9	58
830909	.9	54
830910	.9	53
830911	.9	49
830912	.8	46
830913	.8	45
830914	.8	45
830915	.8	46
830916	.8	44
830917	.8	42
830918	.8	40
830919	.8	38
830920	.9	55
830921	1.0	60
830922	.9	56
830923	.9	52
830924	.8	45
830925	.8	44
830926	.9	54
830927	1.0	63
830928	.8	41
830929	.9	52
830930	1.5	158

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Gold Creek tributary streamflow/water depth rating curve.

1-A-146

Table 1-A-10.

cont.

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DATE	WATER DEPTH <sup>1</sup> (ft)	DISCHARGE <sup>2</sup> (cfs)
831001	1.5	157
831002	1.3	114
831003	1.1	87
831004	1.1	76
831005	—	—

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- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Gold Creek tributary streamflow/water depth rating curve.

Appendix Table 1-A-11.

Daily mean streamflow record for  
Indian River, Alaska, 1983.  
River Mile 138.6  
Tributary River Mile 1.0

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830517	—	—
830518	2.0	1,545
830519	1.9	1,230
830520	1.9	1,092
830521	1.8	895
830522	1.8	865
830523	1.8	923
830524	1.8	931
830525	1.8	788
830526	1.7	662
830527	1.7	609
830528	1.6	508
830529	1.7	751
830530	2.1	1,809
830531	2.3	2,741

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Indian River streamflow/water depth rating curve.

1-A-148

Table 1-A-11.

cont.

DATE	WATER DEPTH <sup>1</sup> (ft)	DISCHARGE <sup>2</sup> (cfs)
830601	2.1	2,019
830602	2.1	2,087
830603	2.3	3,137
830604	2.0	1,389
830605	1.8	804
830606	1.8	966
830607	1.9	1,122
830608	1.8	975
830609	1.8	894
830610	1.8	840
830611	1.8	812
830612	1.8	768
830613	1.7	732
830614	1.7	700
830615	1.8	880
830616	1.8	941
830617	1.8	812
830618	1.8	768
830619	1.9	1,026
830620	1.9	1,138
830621	1.8	989
830622	1.9	1,101
830623	1.8	945
830624	1.8	754
830625	1.7	723
830626	1.7	668
830627	1.7	599
830628	1.7	608
830629	1.6	467
830630	1.6	448

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Indian River streamflow/water depth rating curve.

1-A-149

Table 1-A-11.

cont.

DATE	WATER DEPTH <sup>1</sup> (ft)	DISCHARGE <sup>2</sup> (cfs)
830701	1.6	443
830702	1.7	622
830703	1.6	406
830704	1.5	384
830705	1.5	384
830706	1.5	303
830707	1.4	236
830708	1.4	215
830709	1.3	189
830710	1.3	168
830711	1.3	156
830712	1.3	134
830713	1.3	158
830714	1.3	167
830715	1.3	142
830716	1.2	129
830717	1.2	127
830718	1.2	117
830719	1.2	105
830720	1.2	88
830721	1.1	84
830722	1.2	107
830723	1.2	124
830724	1.2	130
830725	1.2	105
830726	1.2	89
830727	1.2	89
830728	1.1	84
830729	1.1	73
830730	1.1	68
830731	1.1	85

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Indian River streamflow/water depth rating curve.

Table 1-A-11.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830801	1.1	80
830802	1.1	70
830803	1.1	63
830804	1.1	65
830805	1.2	122
830806	1.3	171
830807	1.3	147
830808	1.9	1,299
830809	2.2	2,647
830810	1.9	1,038
830811	1.7	556
830812	1.9	1,076
830813	2.2	2,389
830814	2.1	1,914
830815	1.9	1,180
830816	1.8	805
830817	1.7	596
830818	1.6	467
830819	1.5	368
830820	1.5	326
830821	1.7	588
830822	1.7	578
830823	1.7	685
830824	1.7	705
830825	1.7	562
830826	1.6	503
830827	1.6	433
830828	1.5	368
830829	1.5	341
830830	1.7	695
830831	2.2	2,185

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Indian River streamflow/water depth rating curve.

Table 1-A-11.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830901	2.0	1,639
830902	2.3	3,015
830903	2.0	1,535
830904	1.9	1,026
830905	1.8	768
830906	1.7	604
830907	1.6	496
830908	1.6	436
830909	1.6	402
830910	1.5	361
830911	1.5	309
830912	1.4	268
830913	1.4	244
830914	1.4	239
830915	1.4	243
830916	1.4	211
830917	1.3	187
830918	1.3	178
830919	1.3	161
830920	1.4	278
830921	1.6	413
830922	1.5	365
830923	1.5	357
830924	1.4	253
830925	1.4	221
830926	1.4	201
830927	1.3	195
830928	1.4	208
830929	1.5	415
830930	2.2	2,308

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Indian River streamflow/water depth rating curve.

Table 1-A-11.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
831001	2.1	1,875
831002	2.0	1,468
831003	1.9	1,049
831004	1.8	909
831005	1.8	764
831006	1.7	717
831007	1.6	526
831008	1.6	429
831009	1.6	448
831010	1.7	568
831011	2.0	1,714
831012	2.0	1,573
831013	1.9	1,115
831014	1.8	759
831015	1.7	654
831016	1.6	546
831017	1.6	485
831018	1.6	434
831019		

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Indian River streamflow/water depth rating curve.

Appendix Table 1-A-12.

Daily mean streamflow record for  
Portage Creek, Alaska, 1983.  
River Mile 148.8  
Tributary River Mile 0.1

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830514	—	—
830515	1.4	621
830516	1.5	721
830517	1.6	766
830518	1.6	794
830519	1.5	712
830520	1.5	695
830521	1.5	699
830522	1.5	679
830523	1.5	737
830524	1.5	700
830525	1.4	632
830526	1.4	622
830527	1.4	590
830528	1.4	581
830529	1.7	895
830530	2.4	1,587
830531	2.5	1,729

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Portage Creek streamflow/water depth rating curve.

Table 1-A-12.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
830601	2.2	1,395
830602	2.2	1,399
830603	2.6	1,902
830604	2.2	1,370
830605	1.7	855
830606	1.8	968
830607	1.9	1,052
830608	1.9	1,043
830609	1.7	902
830610	1.6	809
830611	1.7	851
830612	1.7	885
830613	1.7	904
830614	1.7	912
830615	1.8	999
830616	1.9	1,083
830617	1.8	1,013
830618	1.8	984
830619	2.0	1,167
830620	2.0	1,181
830621	1.9	1,113
830622	2.0	1,140
830623	1.9	1,109
830624	1.8	988
830625	1.8	947
830626	1.8	927
830627	1.8	952
830628	1.7	891
830629	1.6	772
830630	1.5	725

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Portage Creek streamflow/water depth rating curve.

Table 1-A-12.

cont.

DATE	WATER DEPTH (ft)	DISCHARGE (cfs)
830701	1.5	712
830702	1.7	848
830703	1.5	662
830704	1.5	683
830705	1.6	771
830706	1.5	711
830707	—	—
830728	—	—
830729	.9	257
830730	.9	278
830731	1.1	392

1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.

2) Discharge is estimated from the regression equation for the Portage Creek streamflow/water depth rating curve.

Table 1-A-12.

cont.

DATE	WATER DEPTH <sup>1</sup> (ft)	DISCHARGE <sup>2</sup> (cfs)
830801	1.1	381
830802	1.0	315
830803	.9	275
830804	.9	283
830805	1.3	522
830806	1.5	689
830807	1.3	563
830808	2.2	1,382
830809	2.7	2,045
830810	2.3	1,471
830811	1.9	1,045
830812	1.9	1,087
830813	2.3	1,513
830814	2.3	1,553
830815	2.2	1,334
830816	2.0	1,134
830817	1.8	989
830818	1.7	867
830819	1.6	763
830820	1.5	737
830821	2.0	1,160
830822	1.9	1,094
830823	2.1	1,267
830824	2.1	1,286
830825	2.0	1,147
830826	2.0	1,131
830827	1.8	1,000
830828	1.7	857
830829	1.6	805
830830	2.4	1,671
830831	2.8	2,185

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Portage Creek streamflow/water depth rating curve.

1-A-157

Table 1-A-12.

cont.

DATE	WATER DEPTH (ft)	DISCHARGE (cfs)
830901	2.7	1,952
830902	2.8	2,165
830903	2.5	1,706
830904	2.2	1,402
830905	2.0	1,189
830906	1.9	1,031
830907	1.7	903
830908	1.7	834
830909	1.6	765
830910	1.5	690
830911	1.4	618
830912	1.3	564
830913	1.3	521
830914	1.2	499
830915	1.2	475
830916	1.1	429
830917	1.1	394
830918	1.0	367
830919	1.0	344
830920	1.1	429
830921	1.3	525
830922	1.3	531
830923	1.3	541
830924	1.1	431
830925	1.1	396
830926	1.0	368
830927	1.0	348
830928	1.0	341
830929	1.1	418
830930	1.7	888

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Portage Creek streamflow/water depth rating curve.

Table 1-A-12.

cont.

DATE	1 WATER DEPTH (ft)	2 DISCHARGE (cfs)
831001	1.7	875
831002	1.6	793
831003	1.5	699
831004	1.4	616
831005	1.3	570
831006	1.3	552
831007	1.2	473
831008	1.1	421
831009	1.2	444
831010	1.2	476
831011	1.6	768
831012	1.5	735
831013	1.4	612
831014	1.3	531
831015	1.2	490
831016	1.2	444
831017	1.1	424
831018	1.1	389
831019	---	---

- 1) Water depth as measured over the pressure transducer and does not represent the overall depths of flow at the discharge station.
- 2) Discharge is estimated from the regression equation for the Portage Creek streamflow/water depth rating curve.

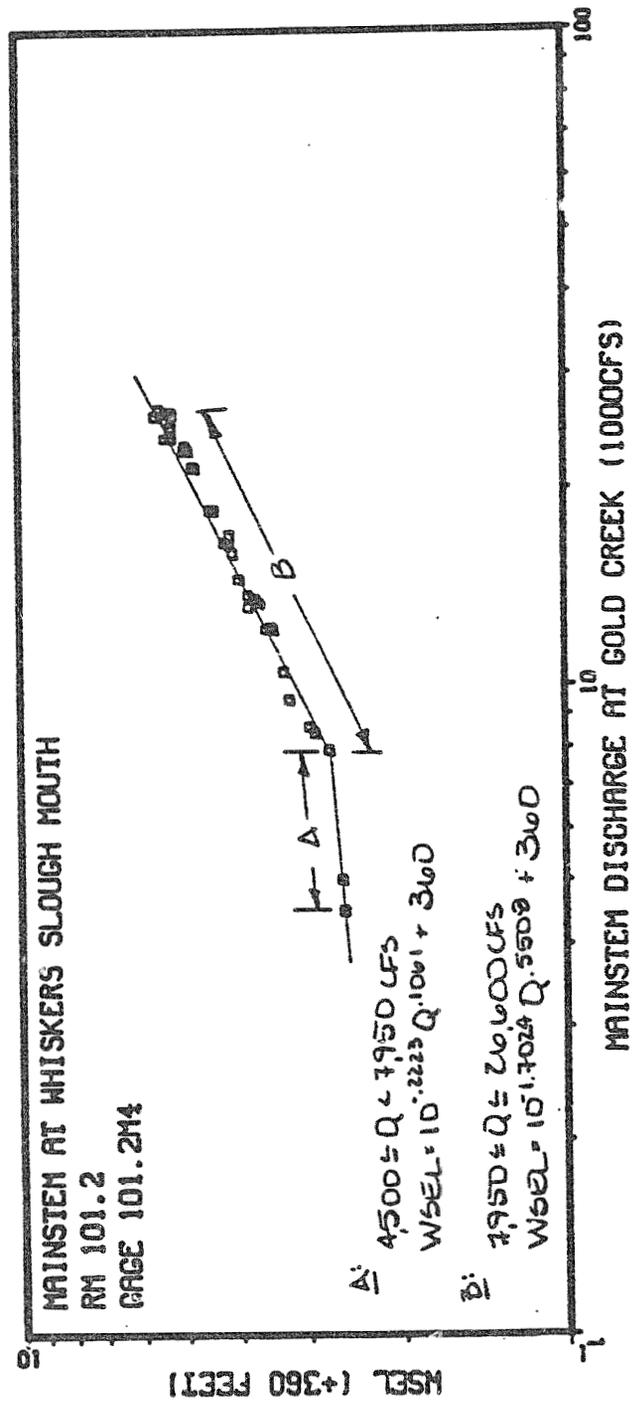
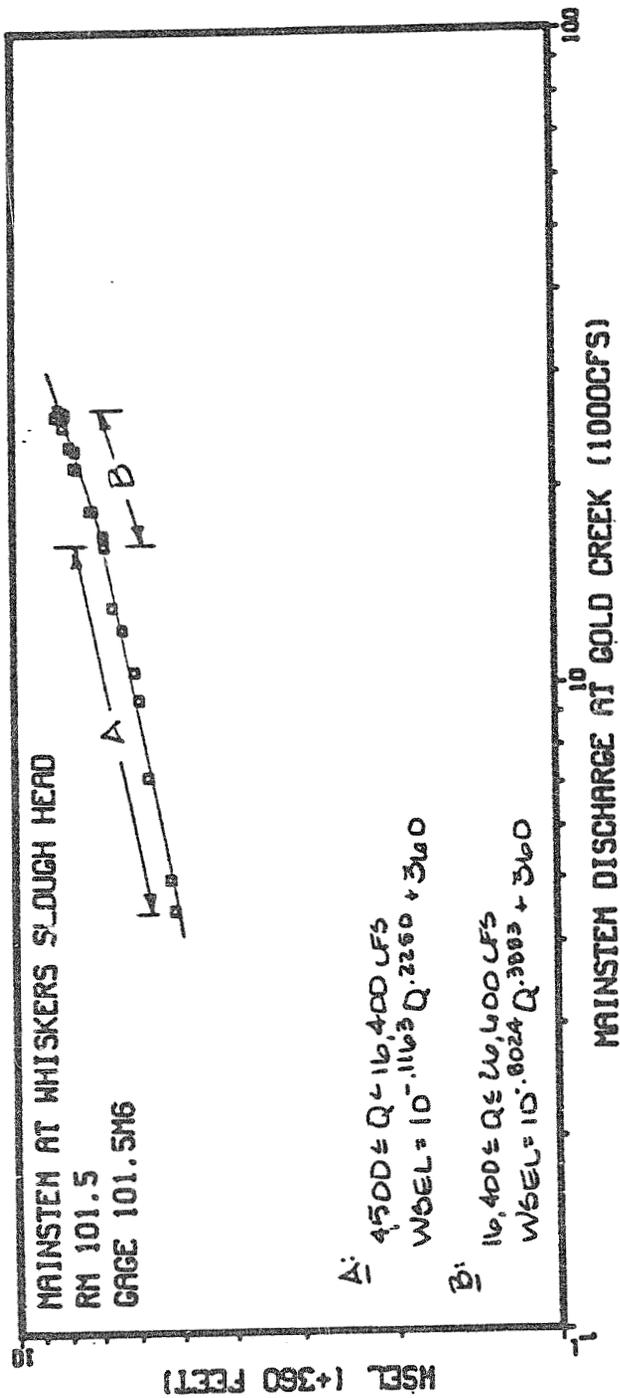


FIGURE 1-A-1 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at Whiskers Slough head and mouth.

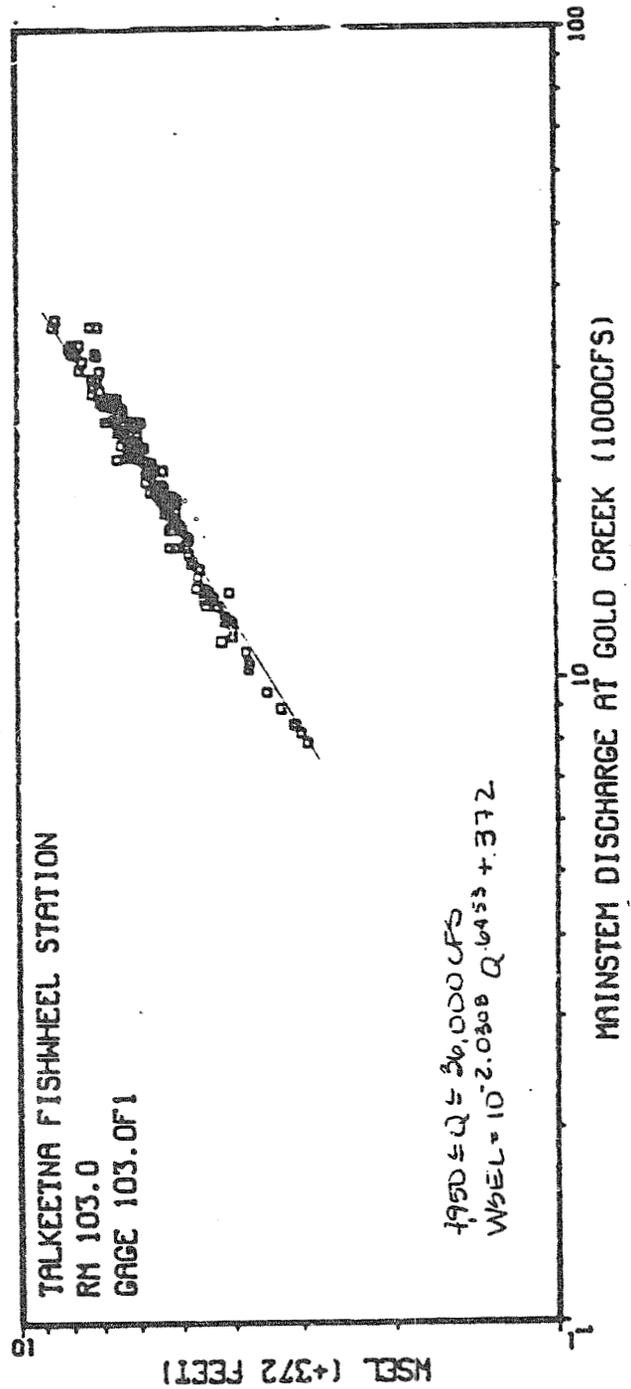
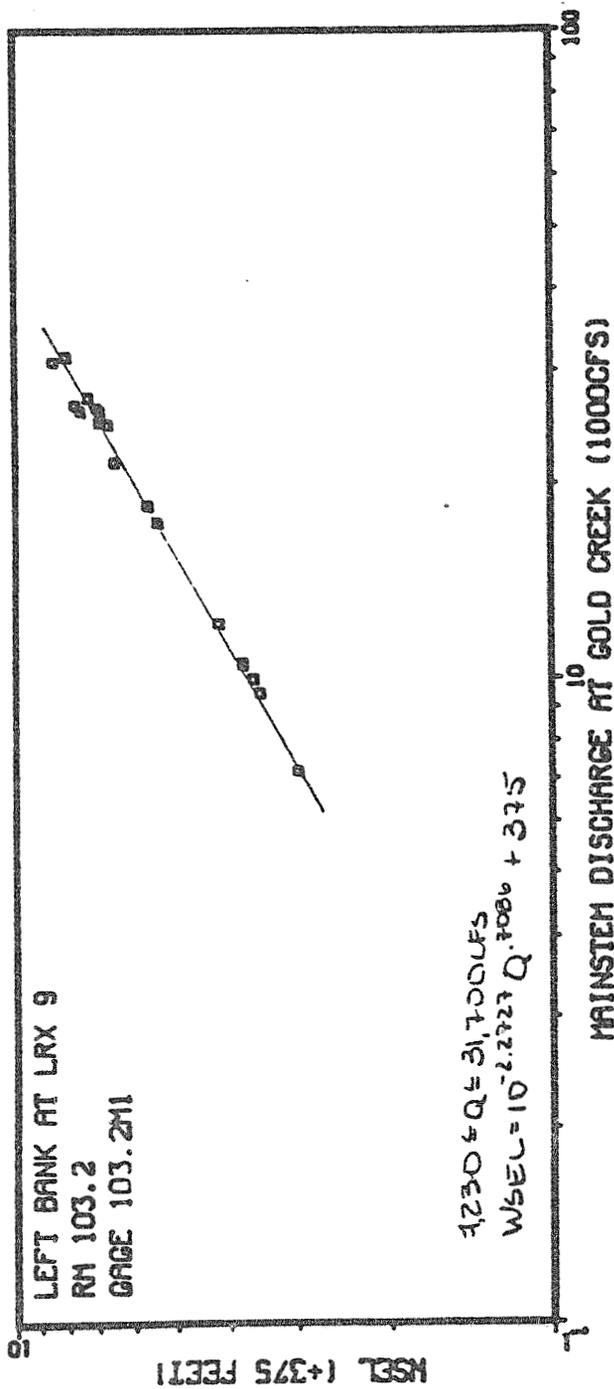


FIGURE 1-A-2 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at Talkeetna Fishwheel Station and left bank at LRX 9.

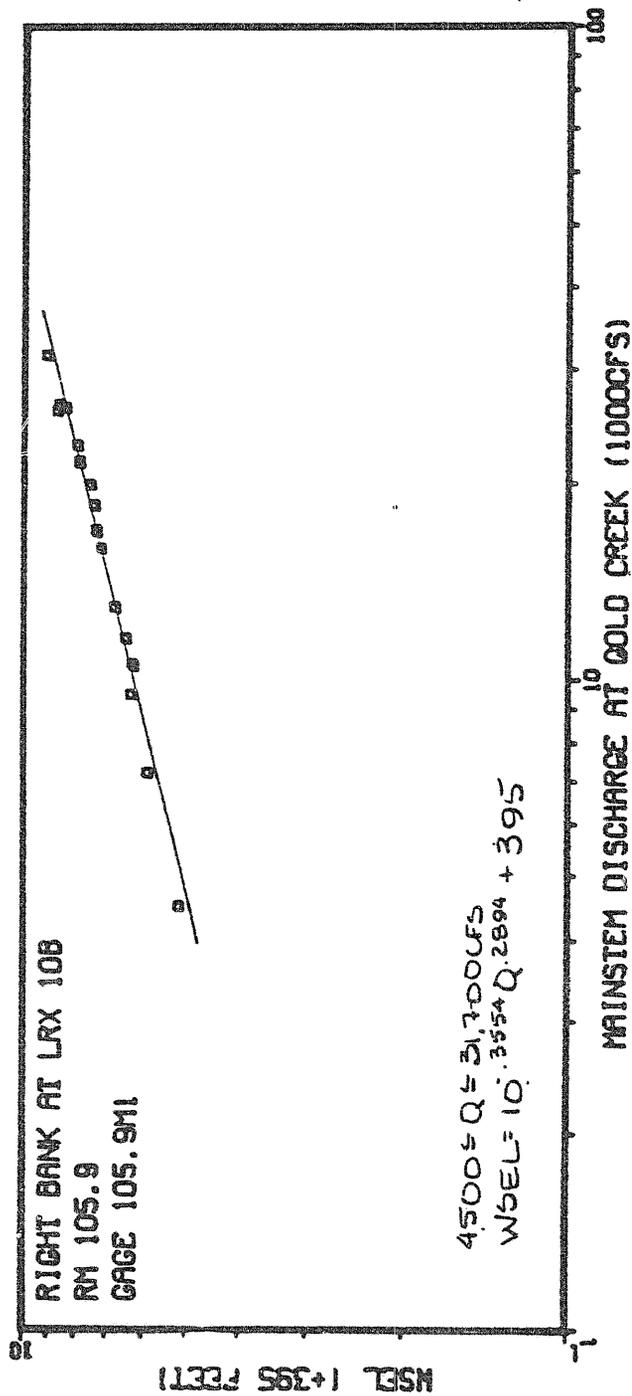
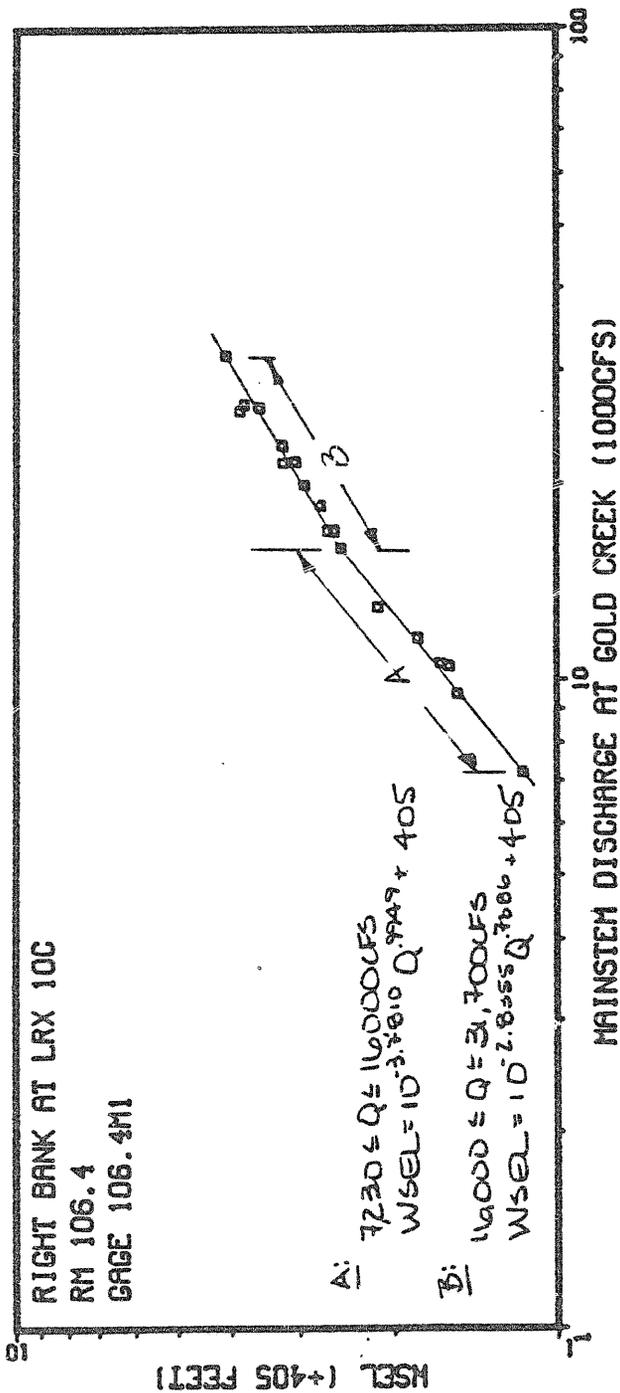


FIGURE 1-A-3 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at LRX 10B and right bank at LRX 10C.

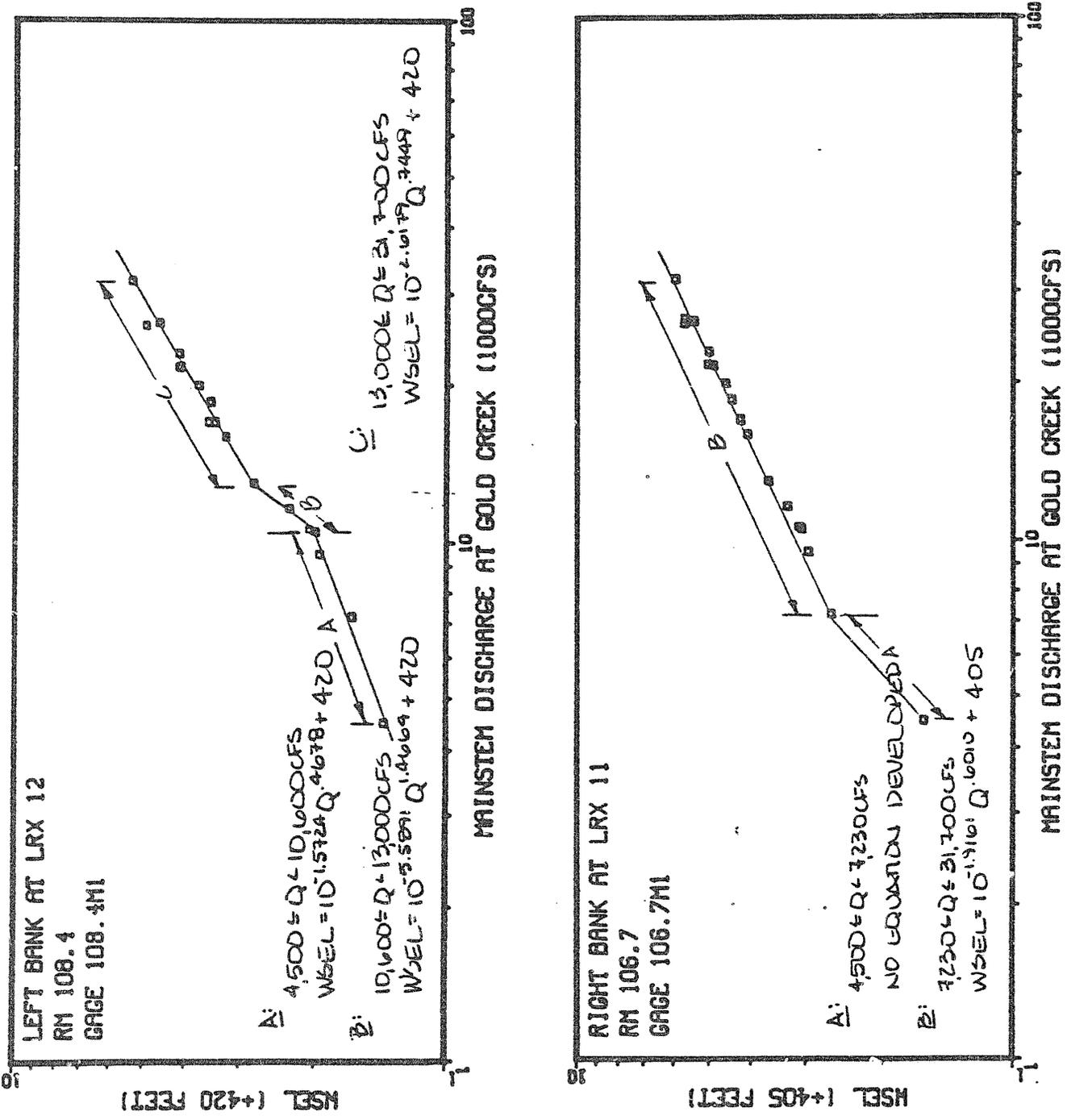


FIGURE 1-A-4 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at right bank at LRX 11 and left bank at LRX 12.

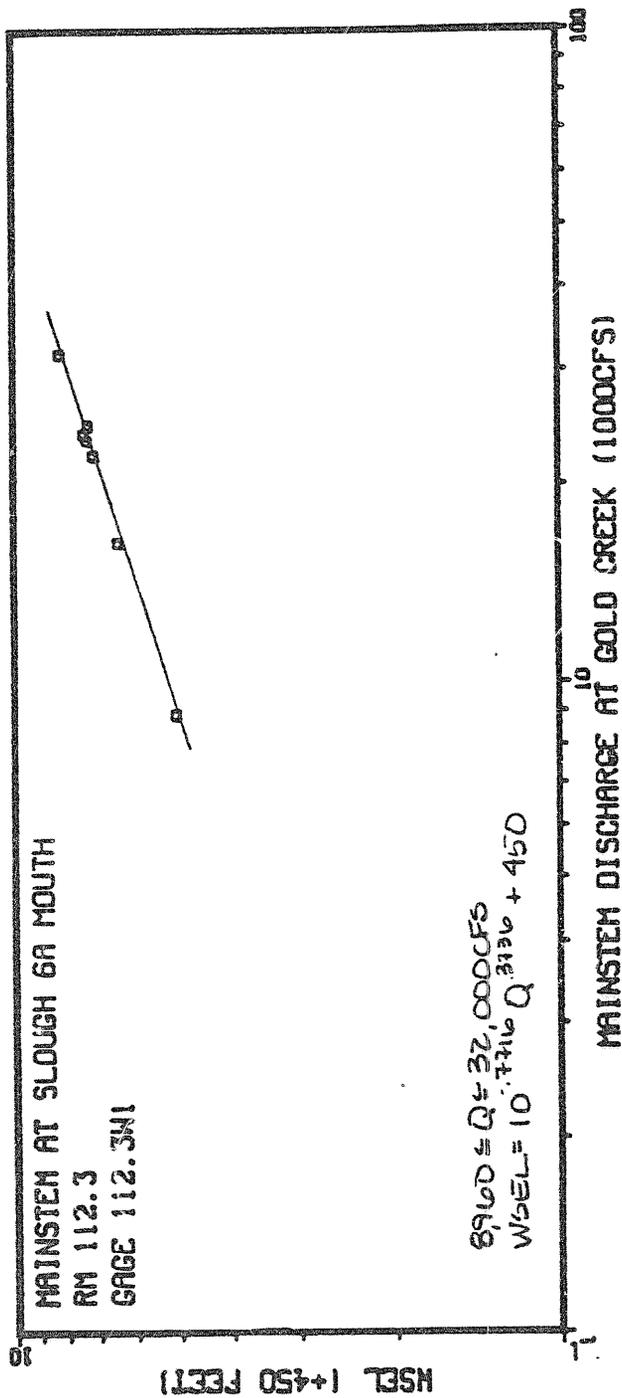
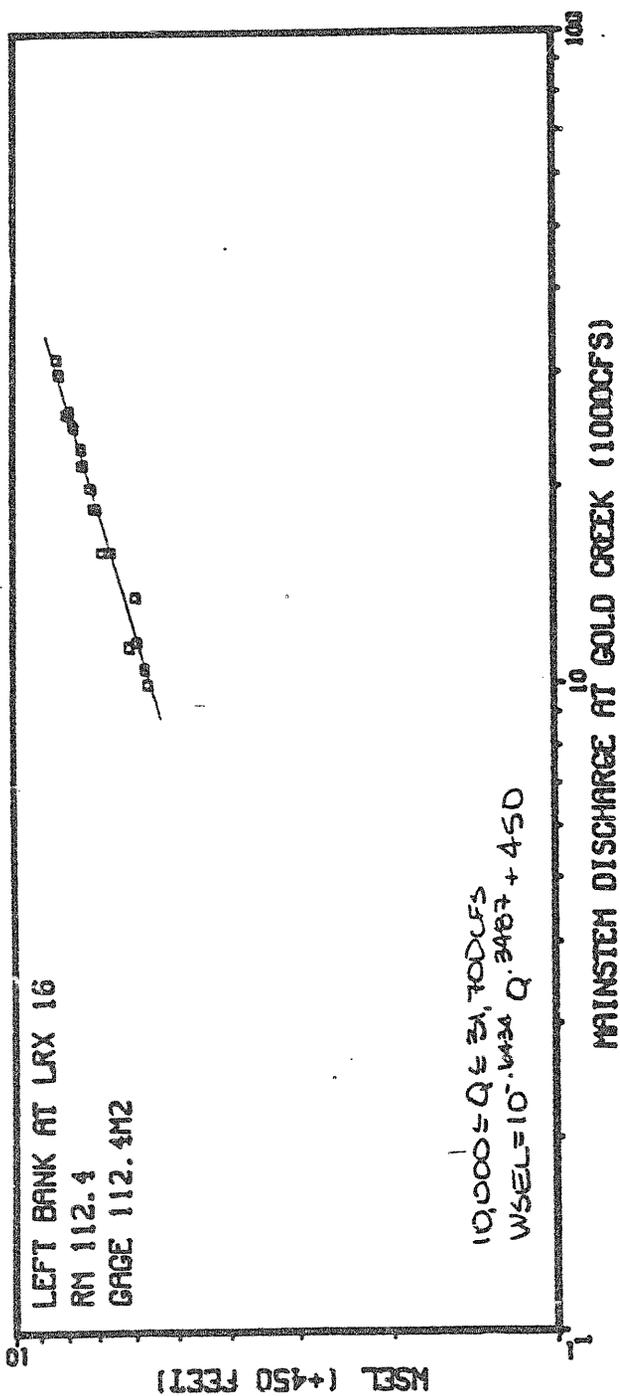


FIGURE 1-A-5 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at Upland Slough 6A Mouth and left bank at LRX 16.

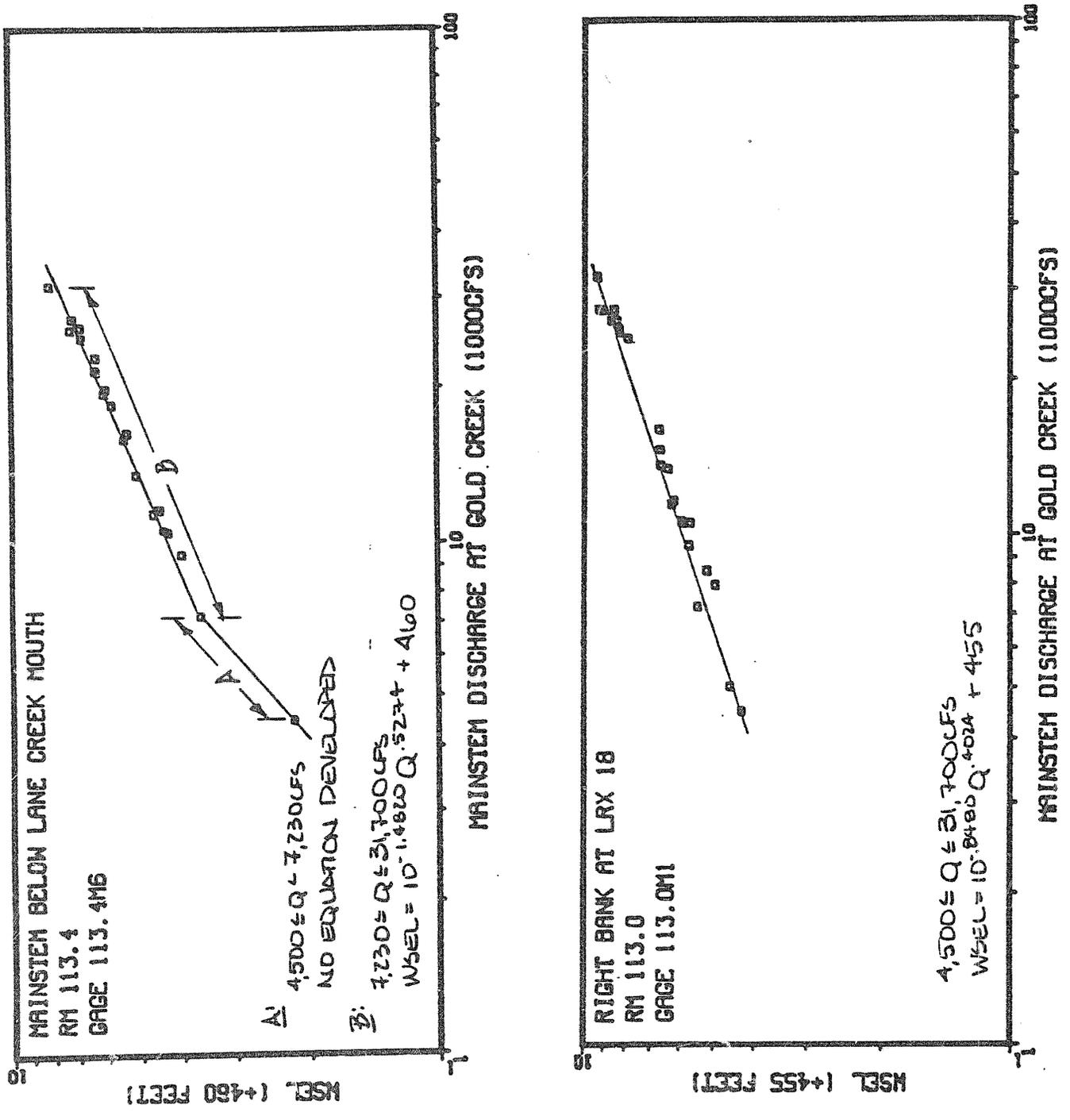


FIGURE 1-A-6 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at right bank at LRX 18 and mainstem below Lane Creek Mouth.

1-A-165

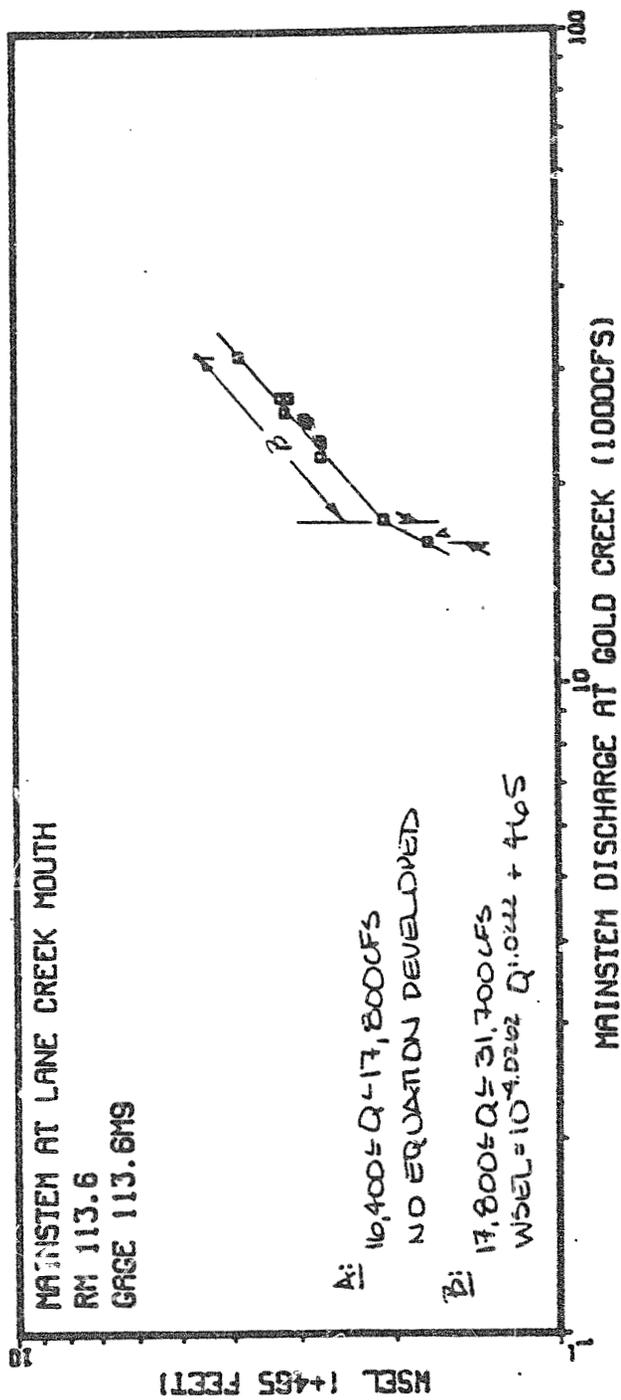
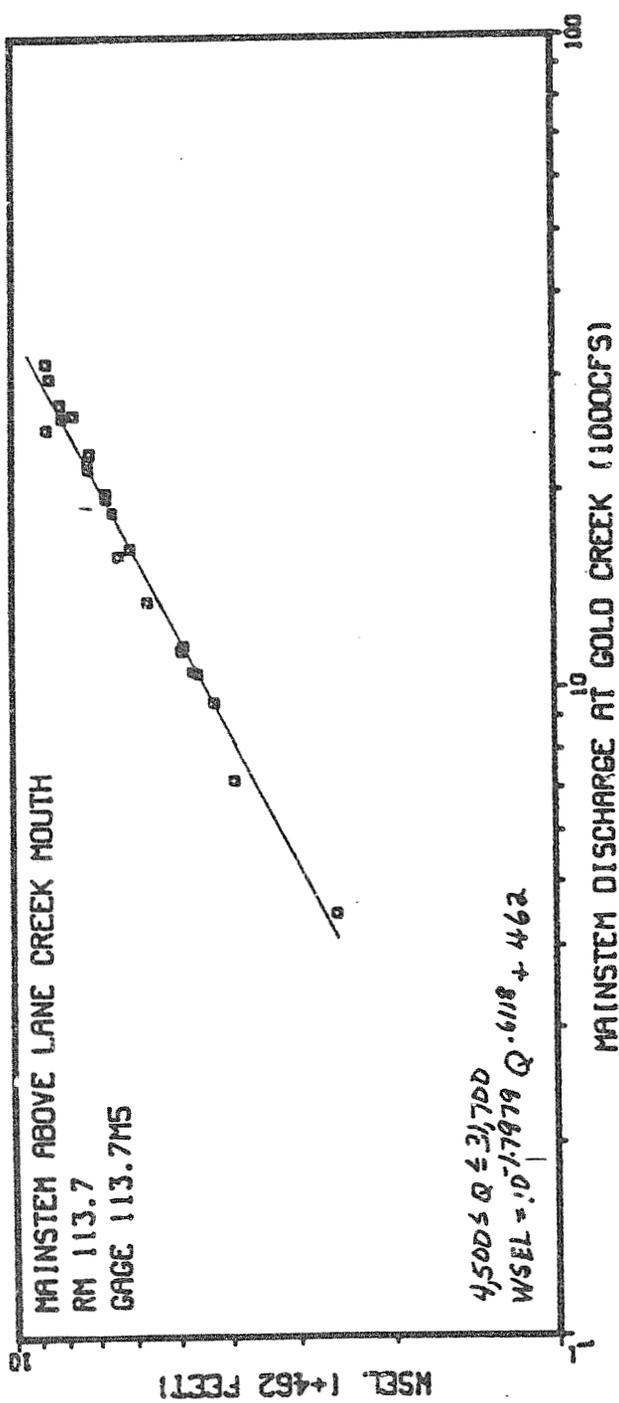


FIGURE 1-A-7 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at Lane Creek Mouth and above Lane Creek Mouth.

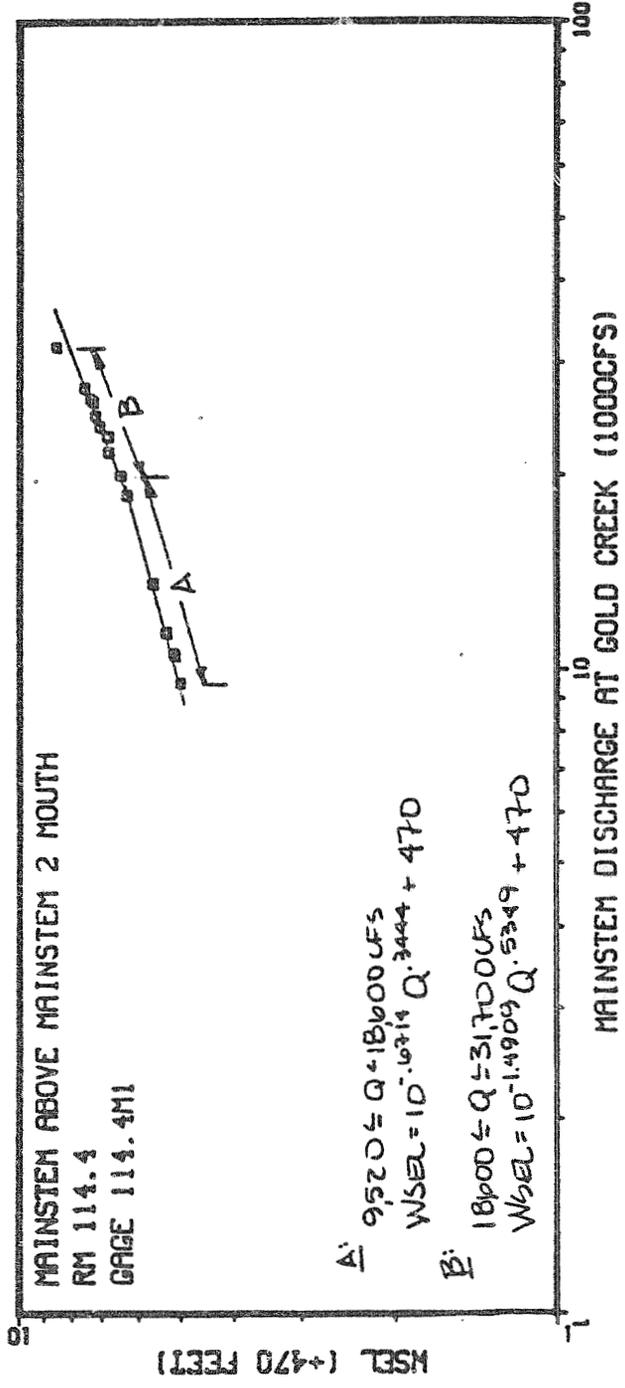
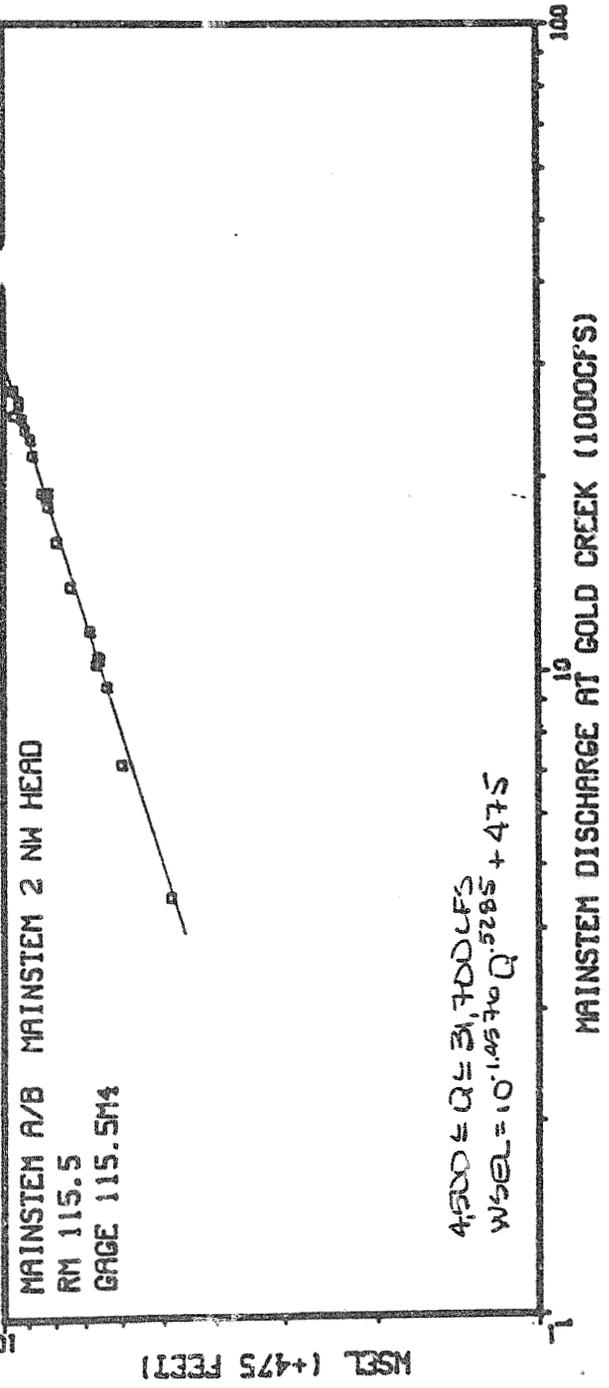


FIGURE 1-A-8 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation above Mainstem 2 Side Channel Mouth and above Mainstem 2 Side Channel NW head.

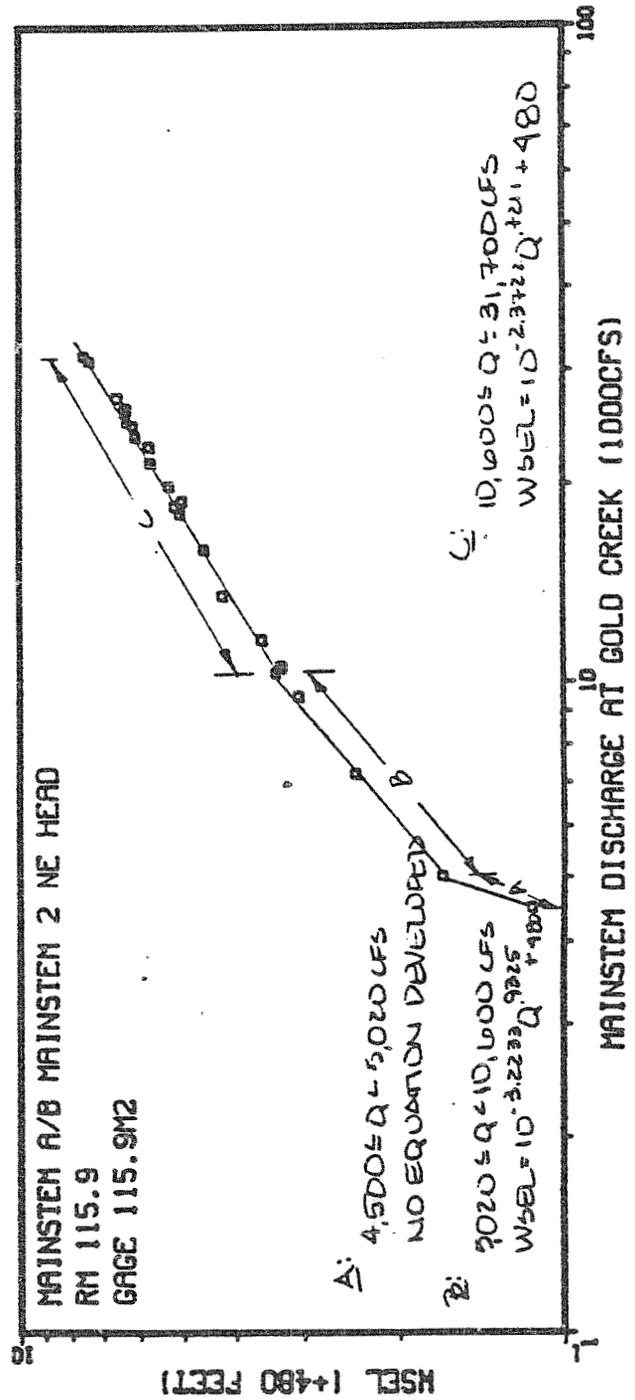
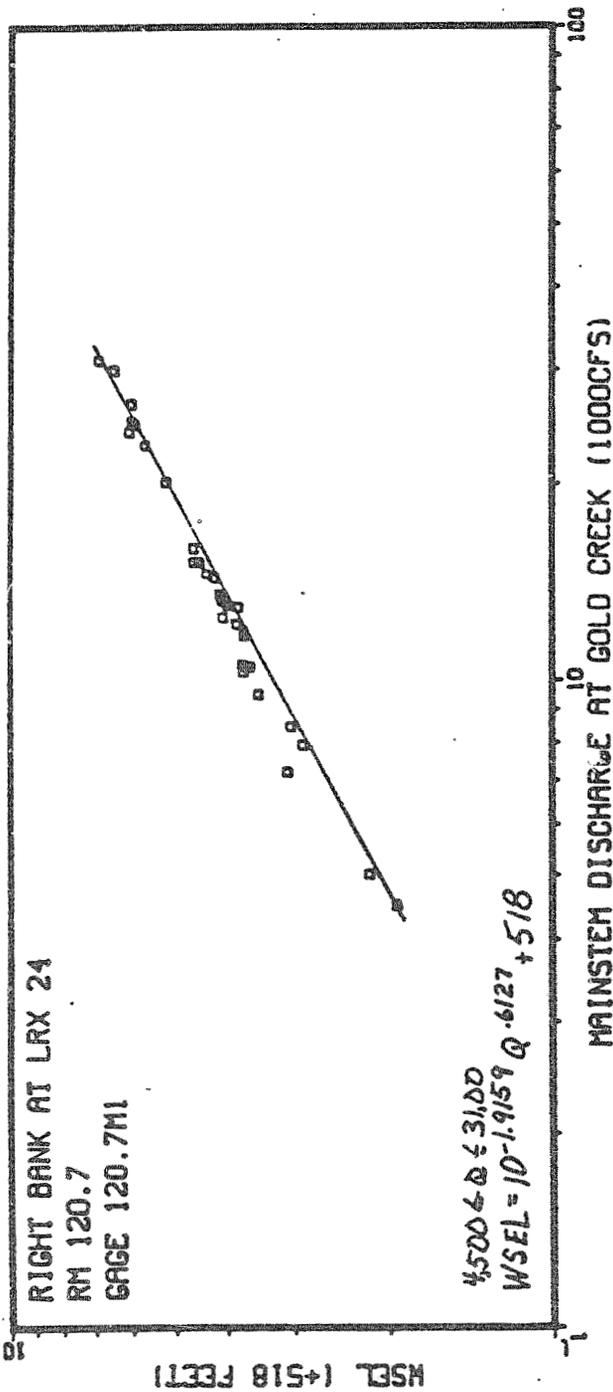


FIGURE 1-A-9 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation above Mainstem 2 Side Channel NE head and the right bank at LRX 24.

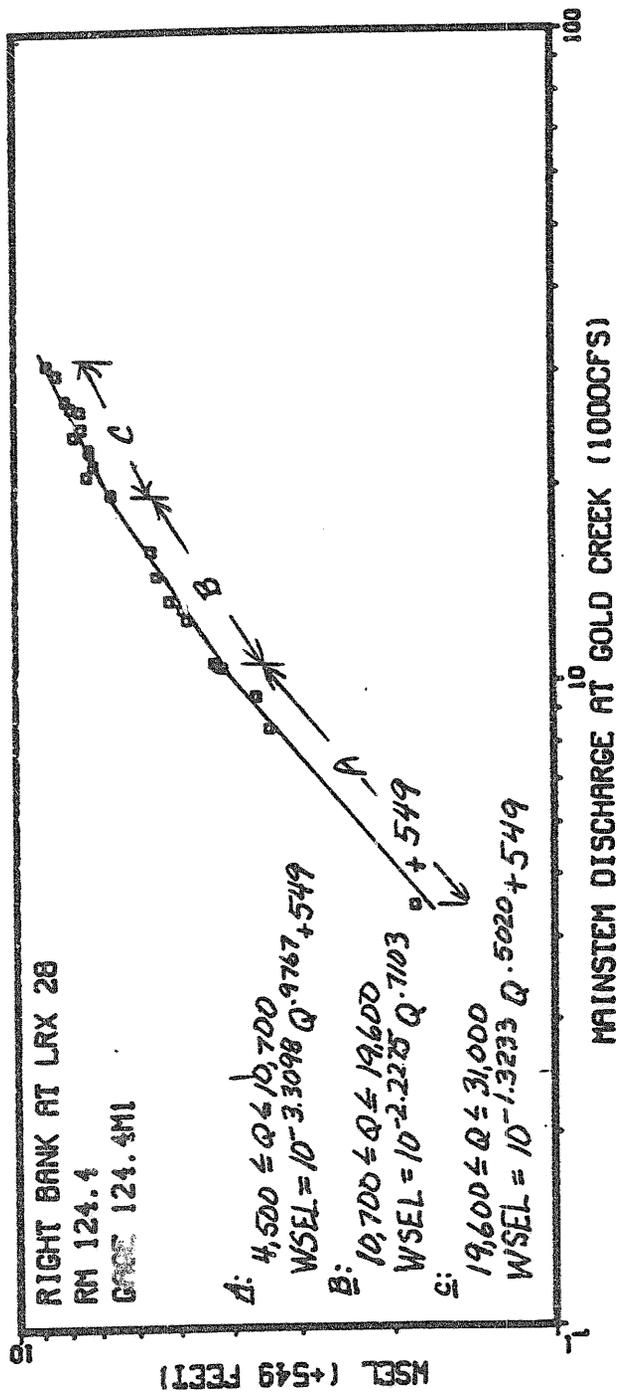
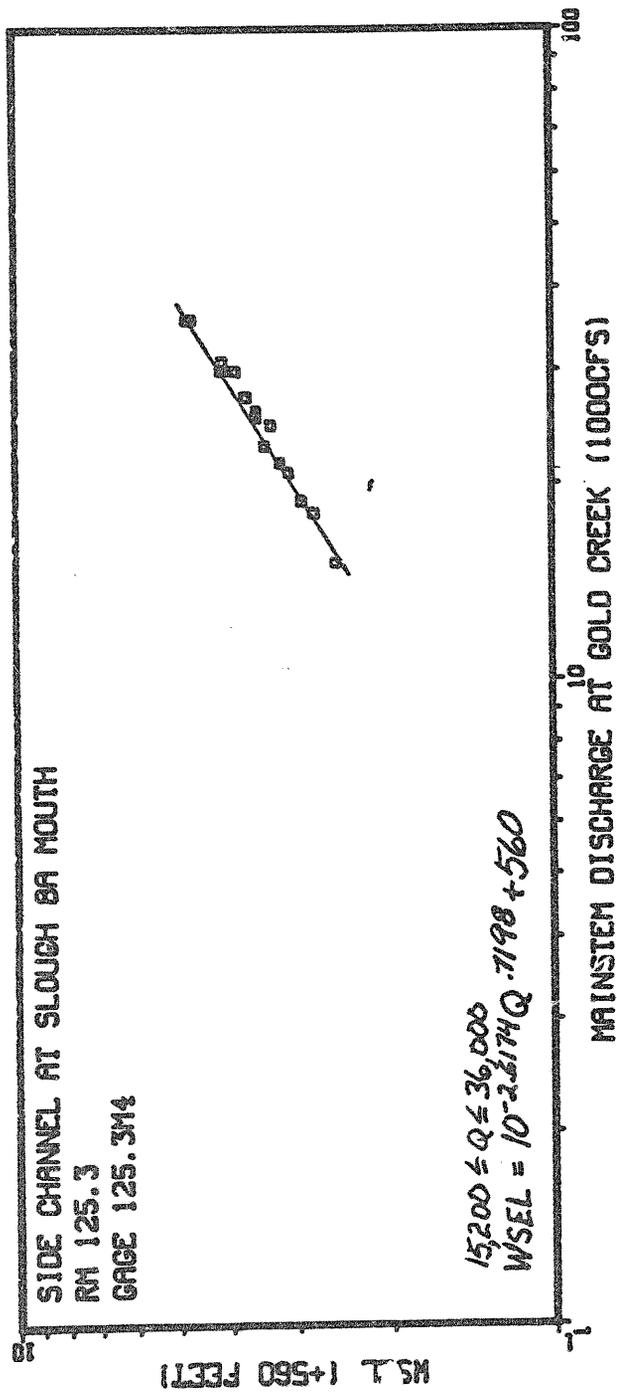


FIGURE 1-A-10 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the right bank at LRX 28 and at Side Slough 8A Mouth.

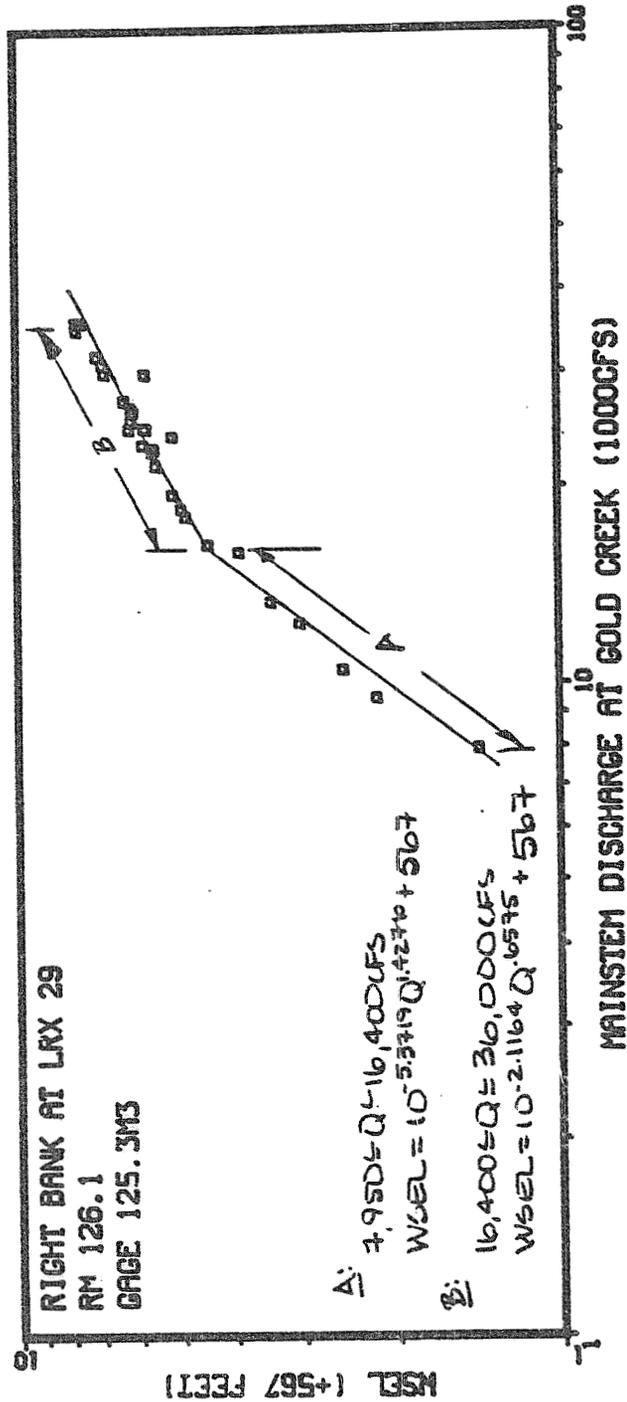
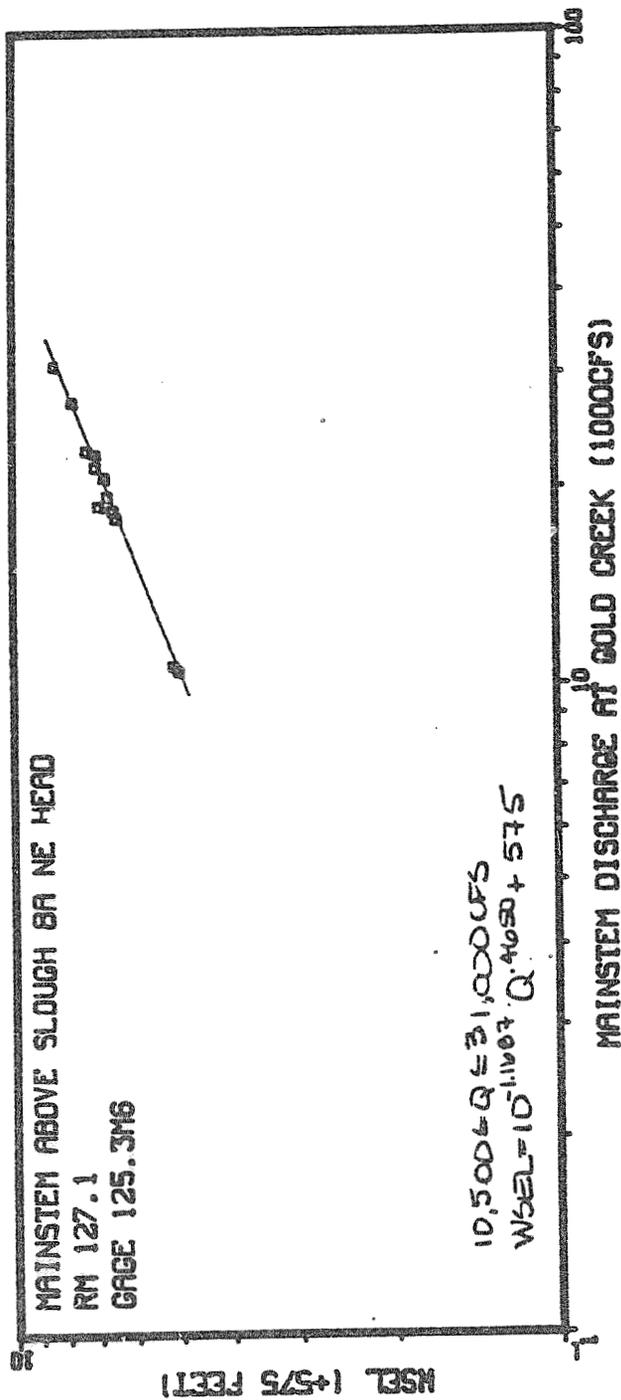


FIGURE 1-A-11 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the right bank at LRX 29 and above Slough 8A NE head.

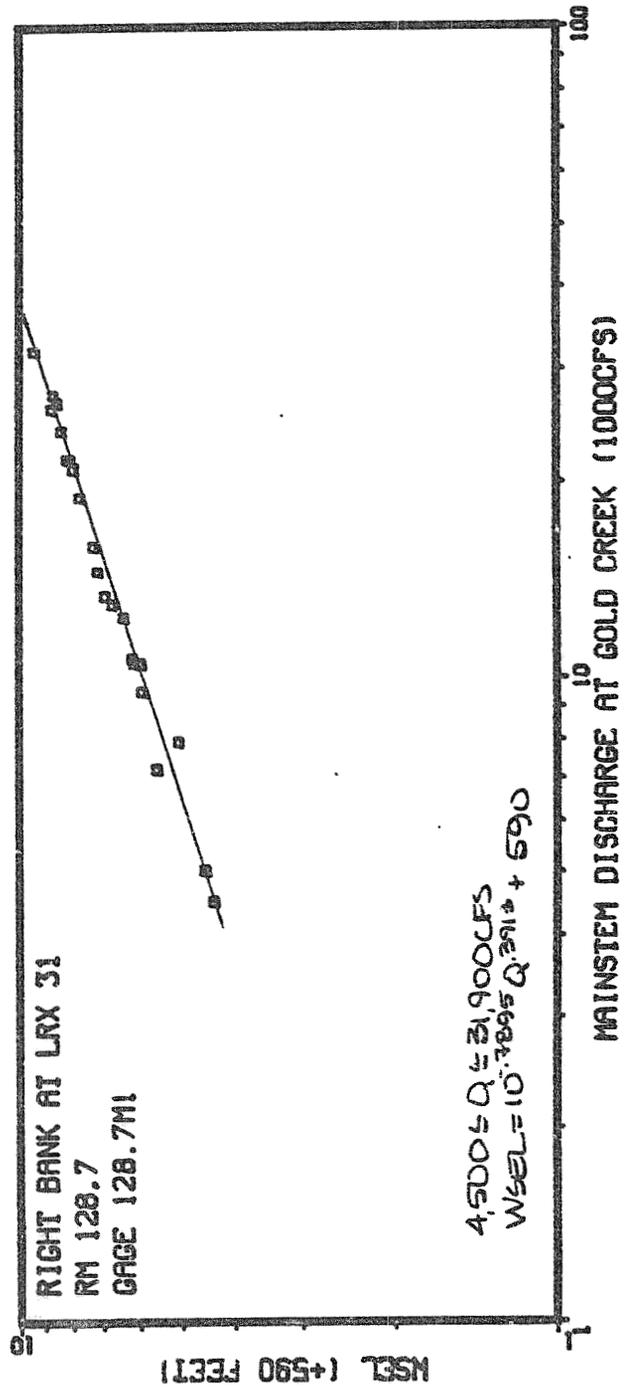
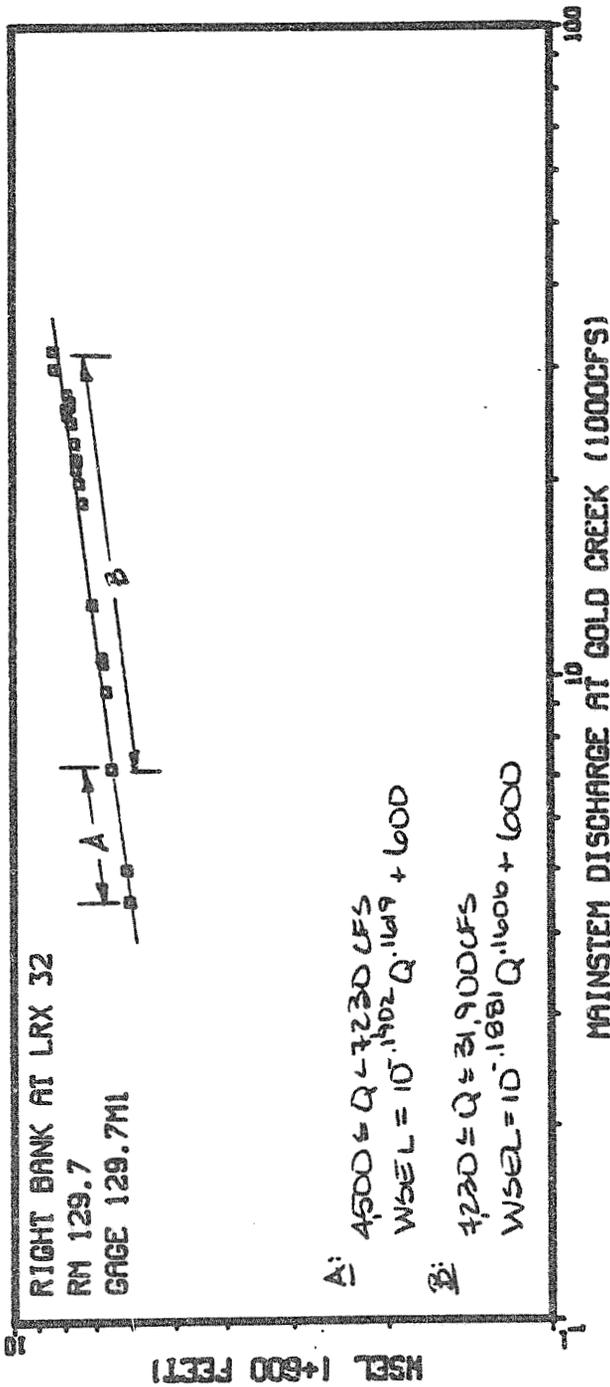


FIGURE 1-A-12 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the right bank at LRX 31 and LRX 32.

1-A-171

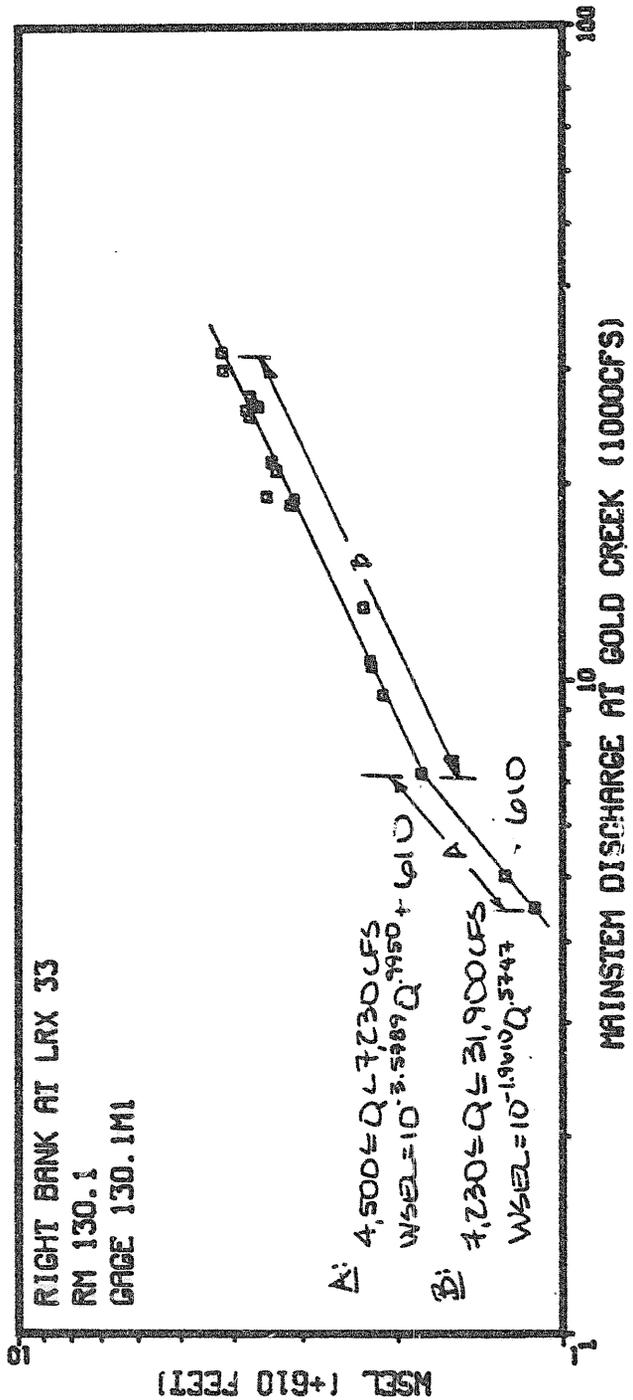
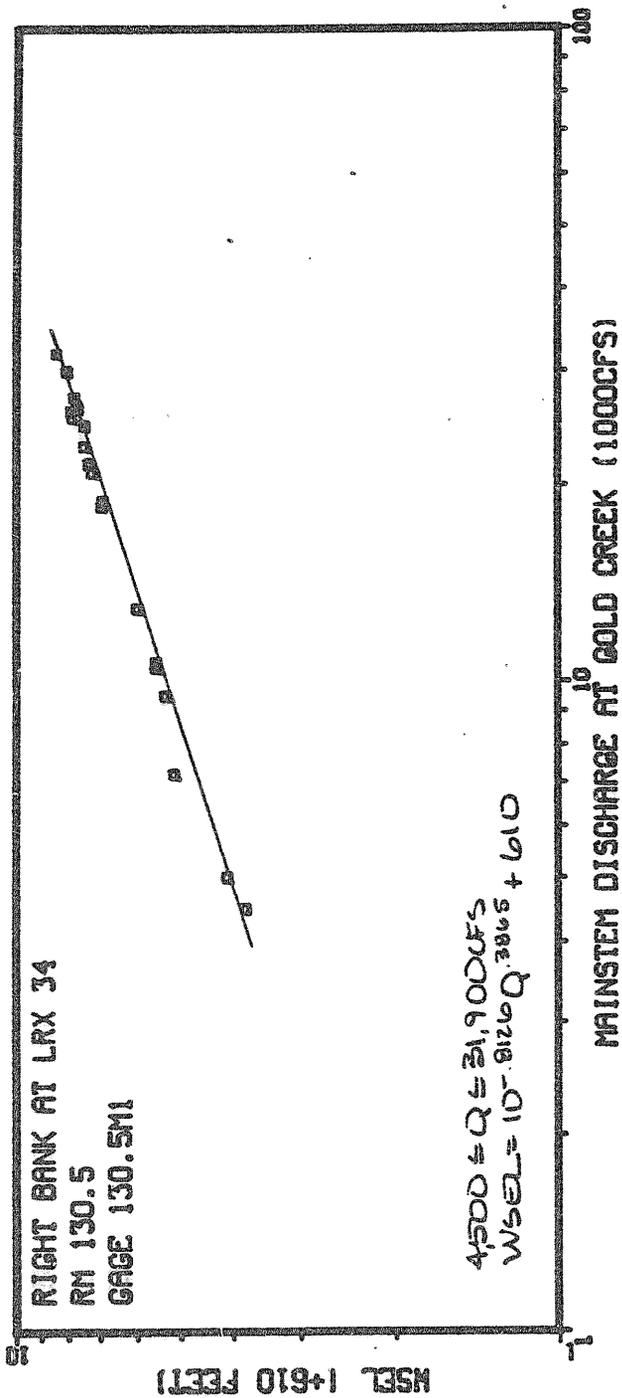


FIGURE 1-A-13 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the right bank at LRX 33 and at the right bank at LRX 34.

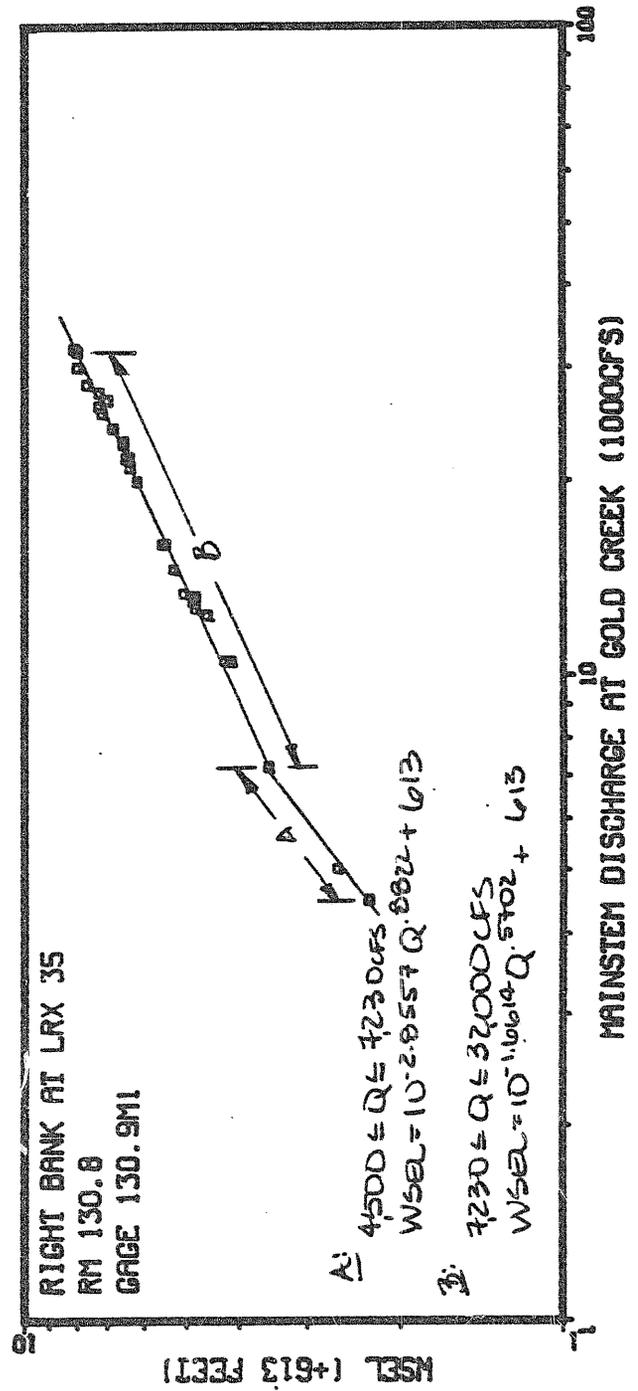
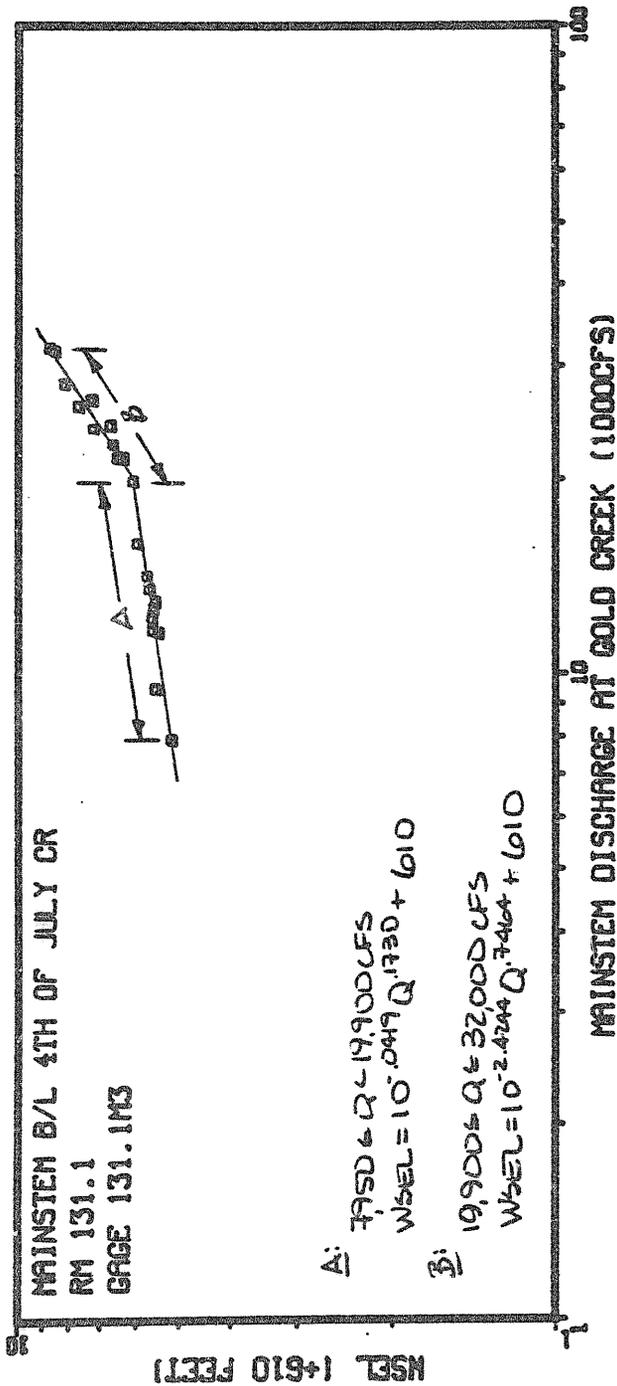


FIGURE 1-A-14 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the right bank at LRX 35 and below the mouth of Fourth of July Creek.

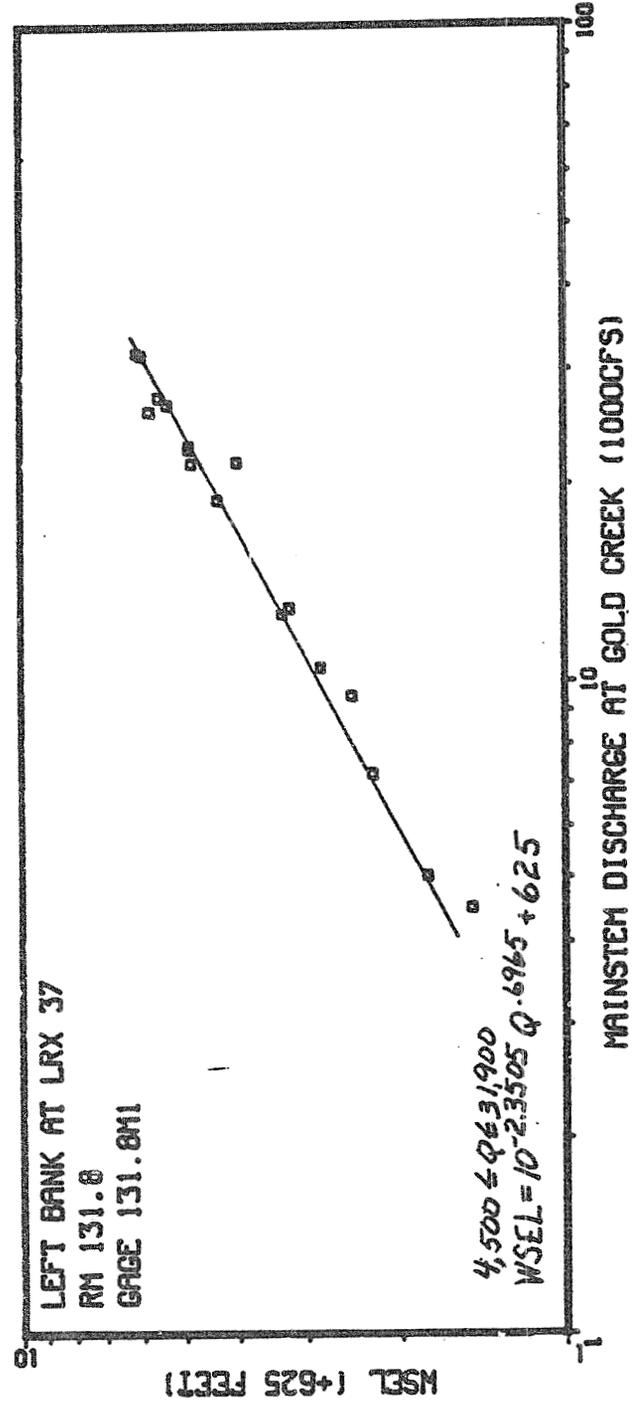
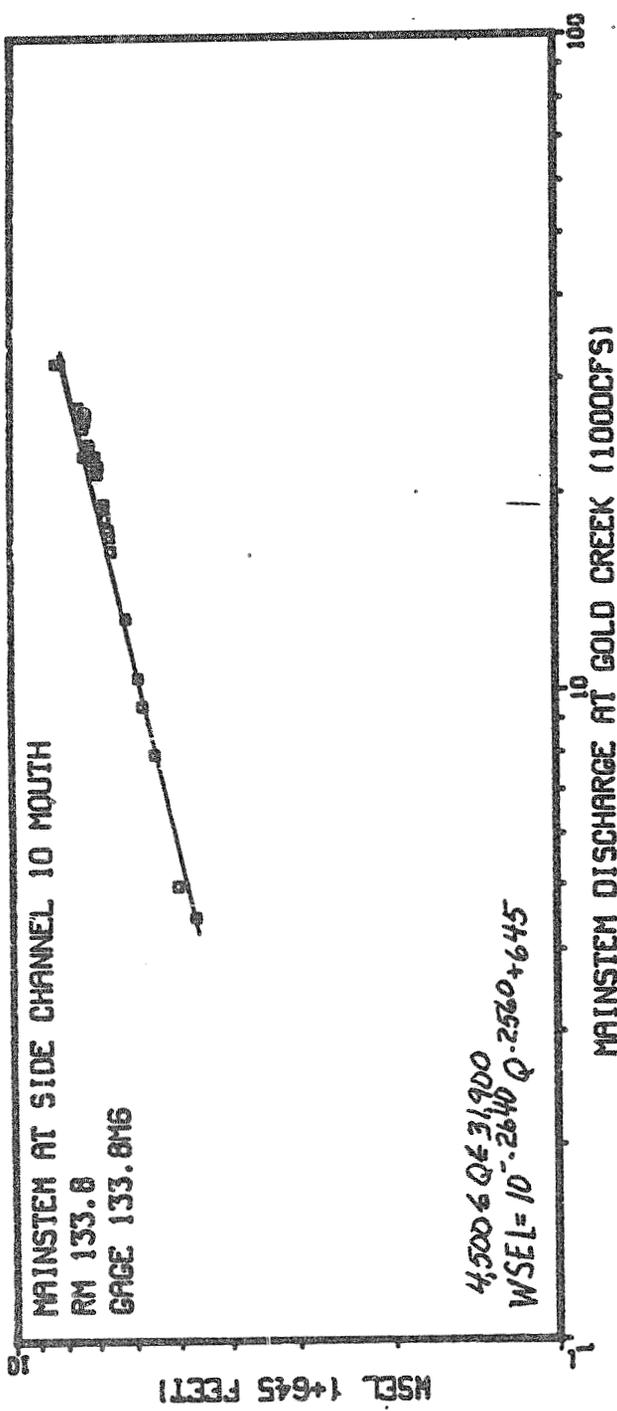


FIGURE 1-A-15 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the left bank at LRX 37 and at Side Channel 10 mouth.

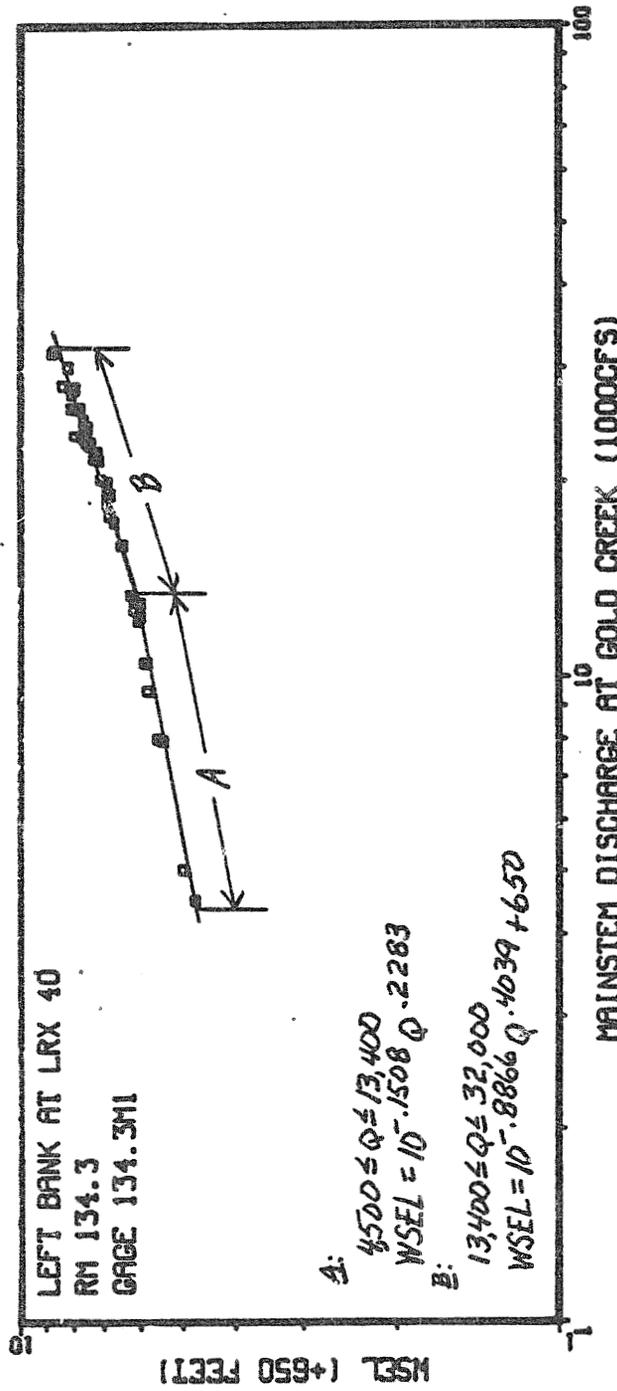
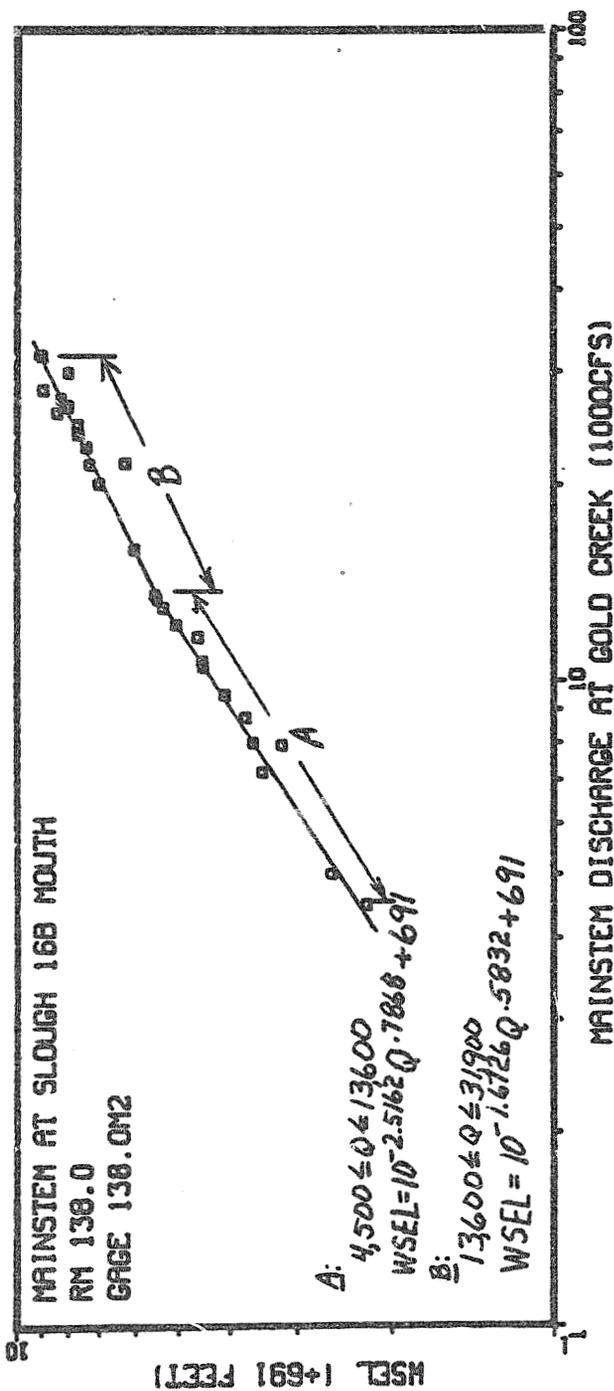


FIGURE 1-A-16 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the left bank at LRX 40 and at Side Slough 16B mouth.

1-A-175

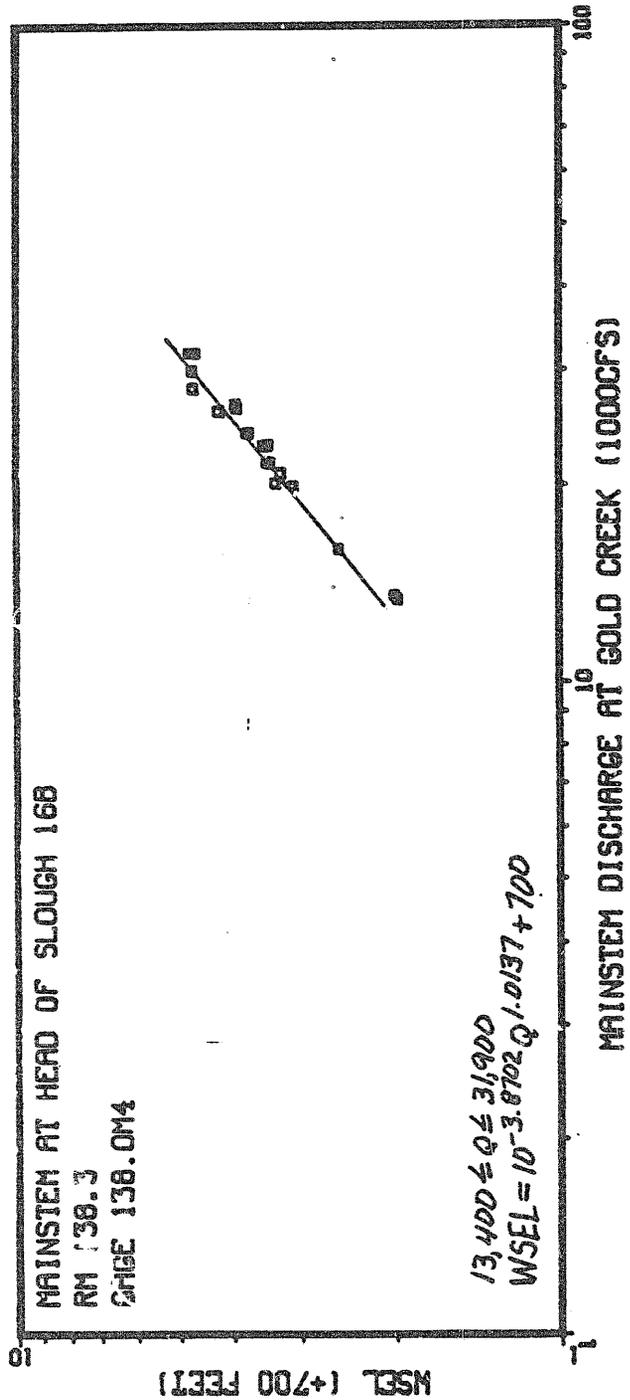
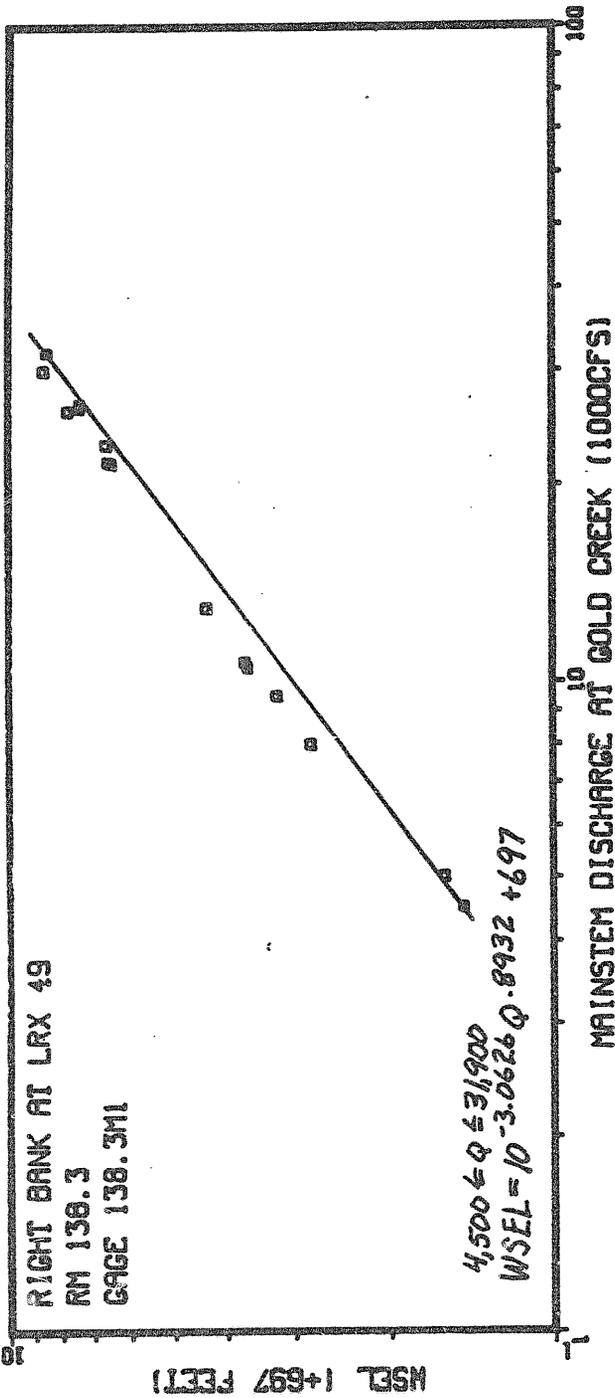


FIGURE 1-A-17 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the mainstem at the head of Side Slough 16E and the right bank at LRX 49.

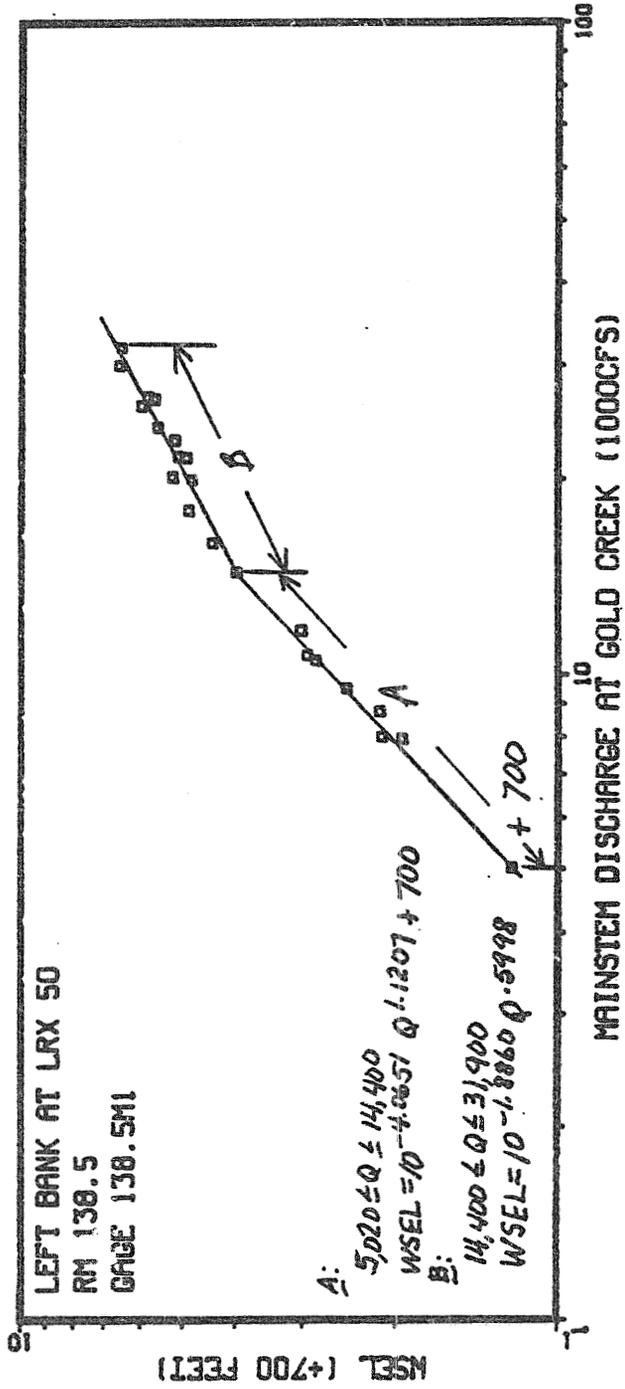
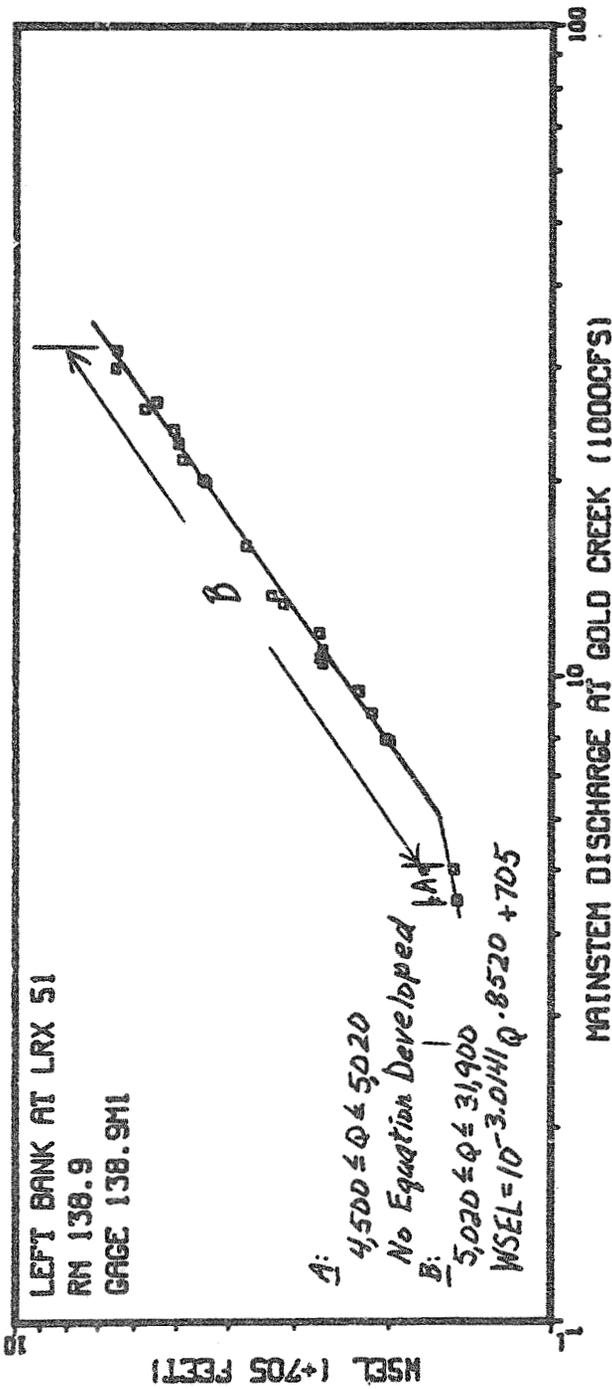


FIGURE 1-A-18 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the left bank at LRX 50 and the left bank LRX 51.

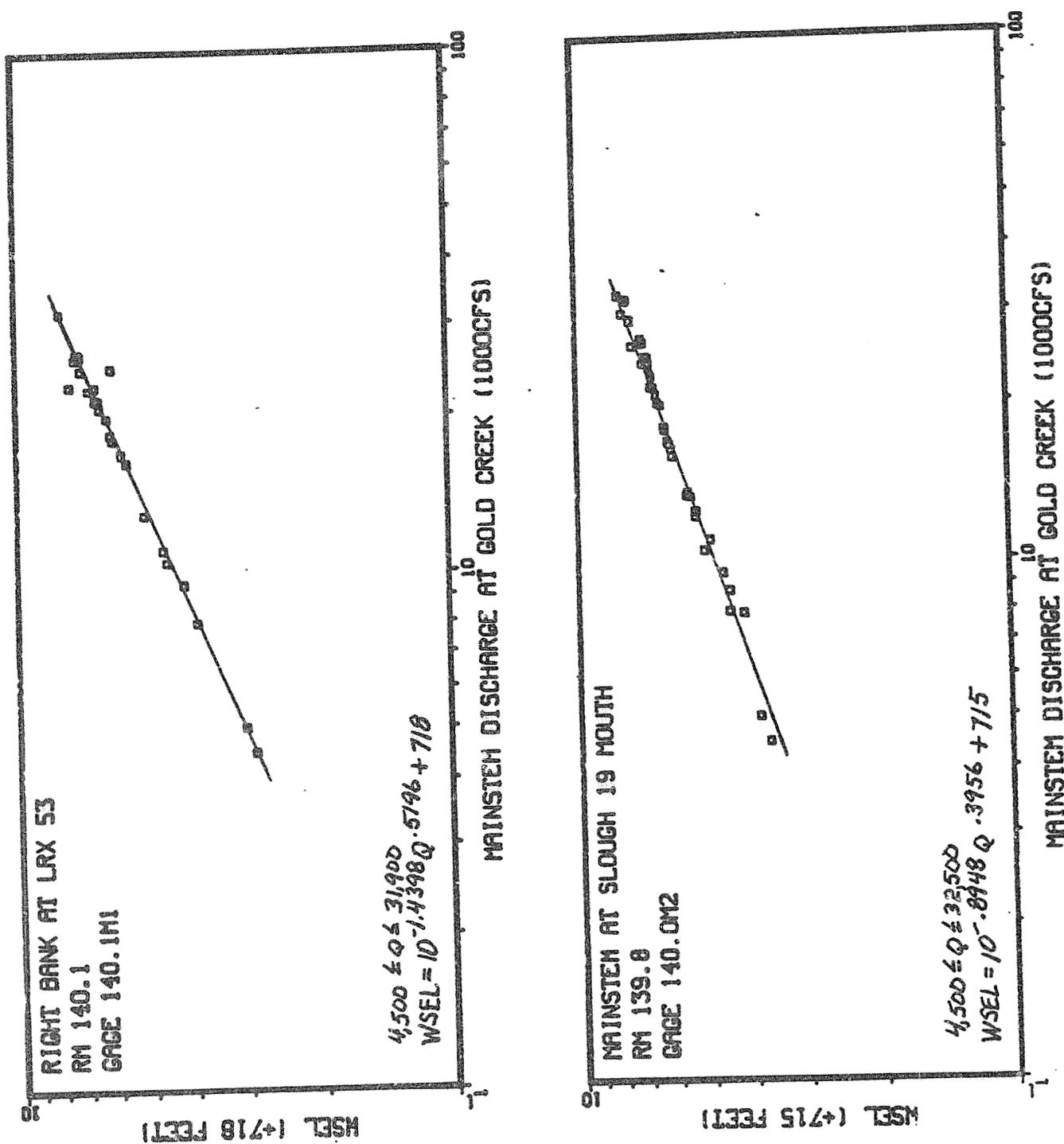


FIGURE 1-A-19 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at Upland Slough 19 mouth and the right bank at LRX 53.

1-A-19

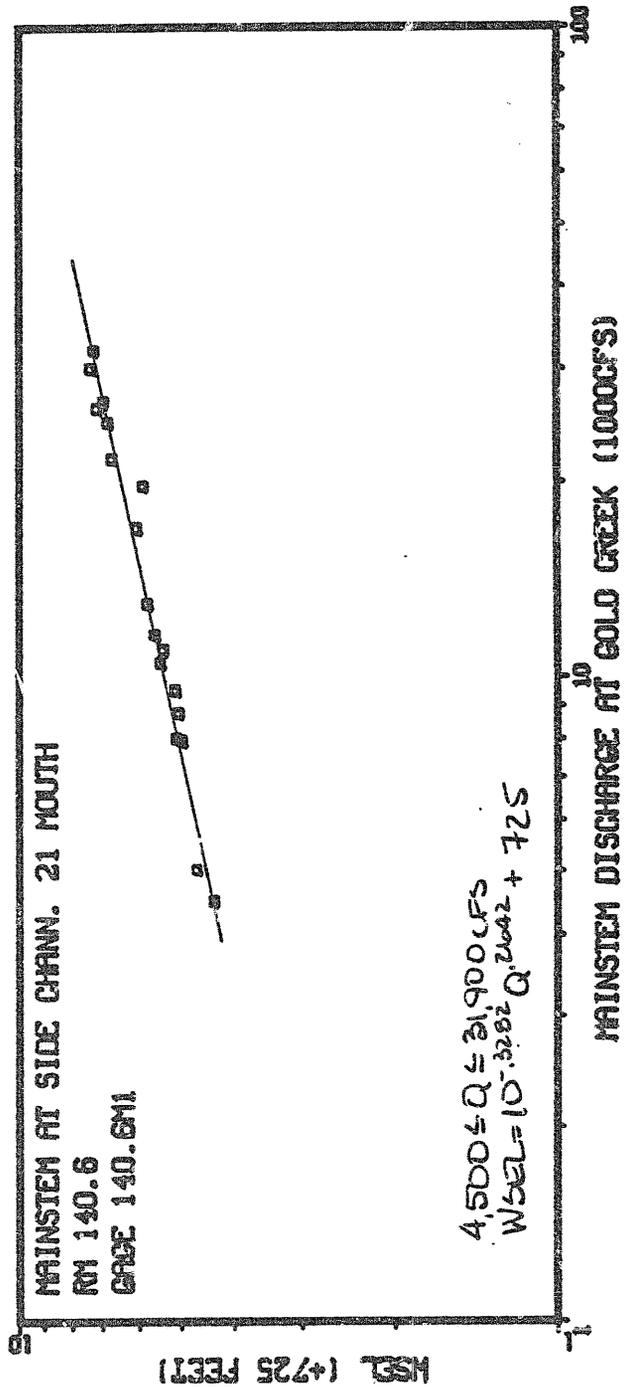
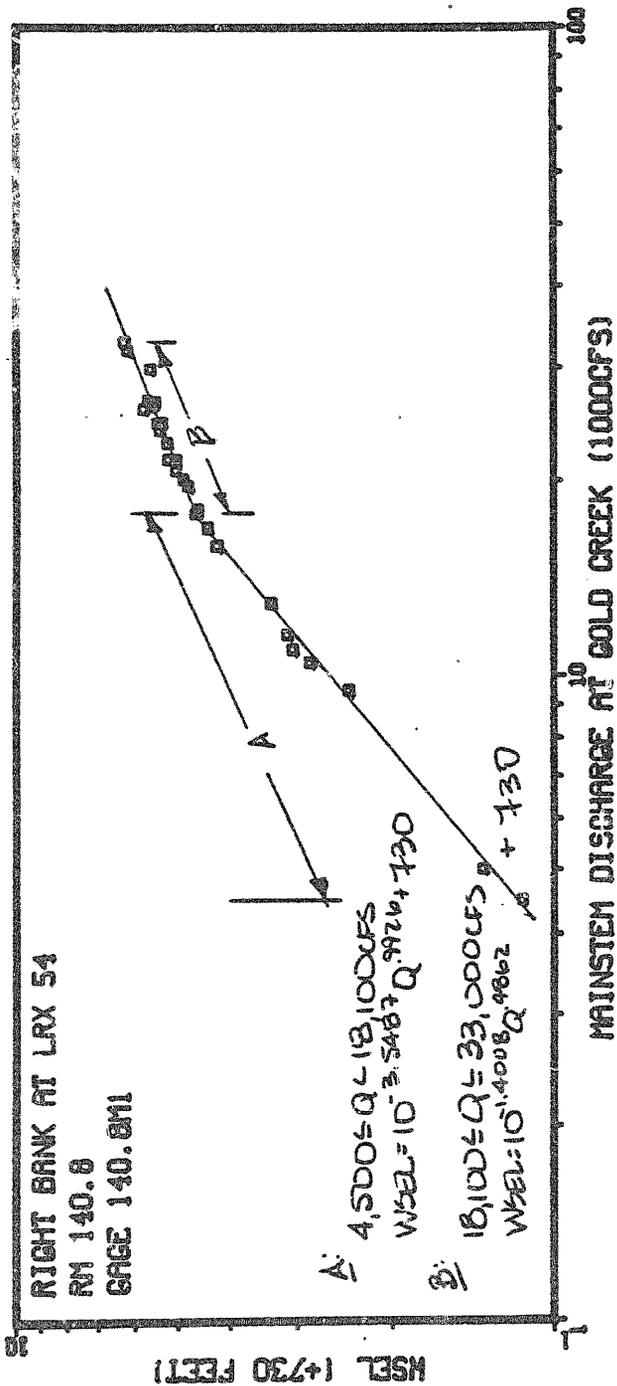


FIGURE 1-A-20 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at Side Channel 21 mouth and the right bank at LRX 54.

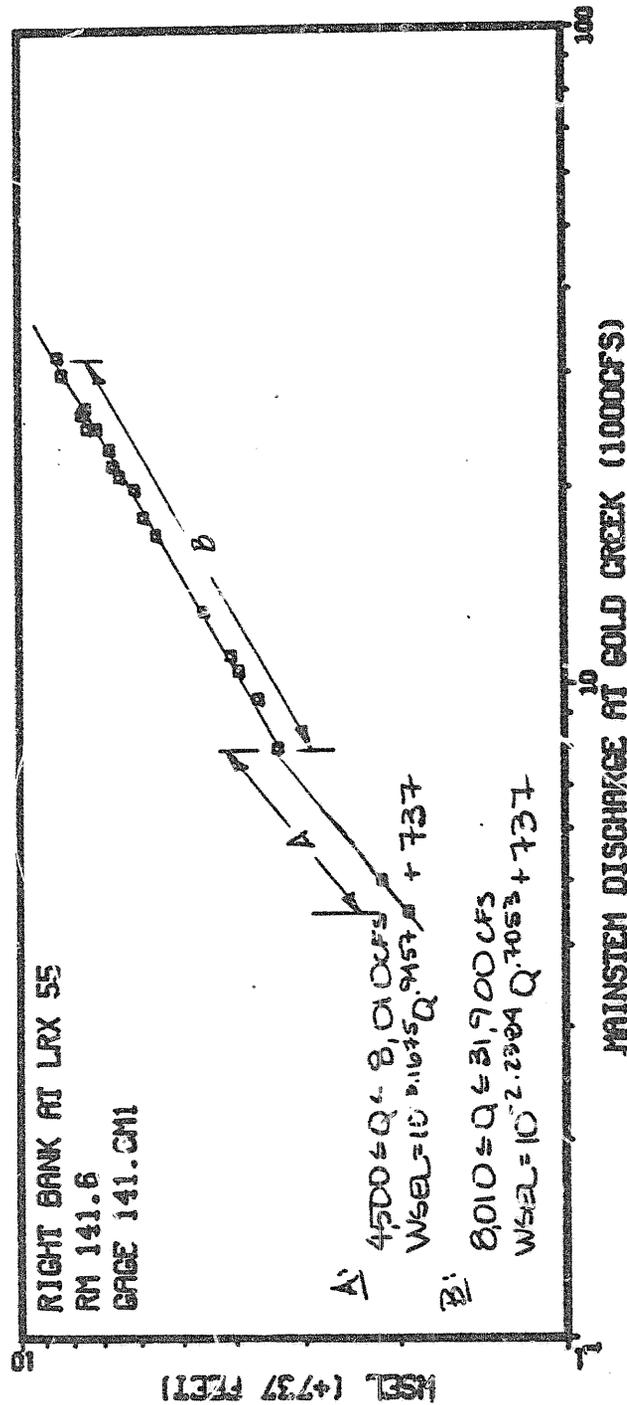
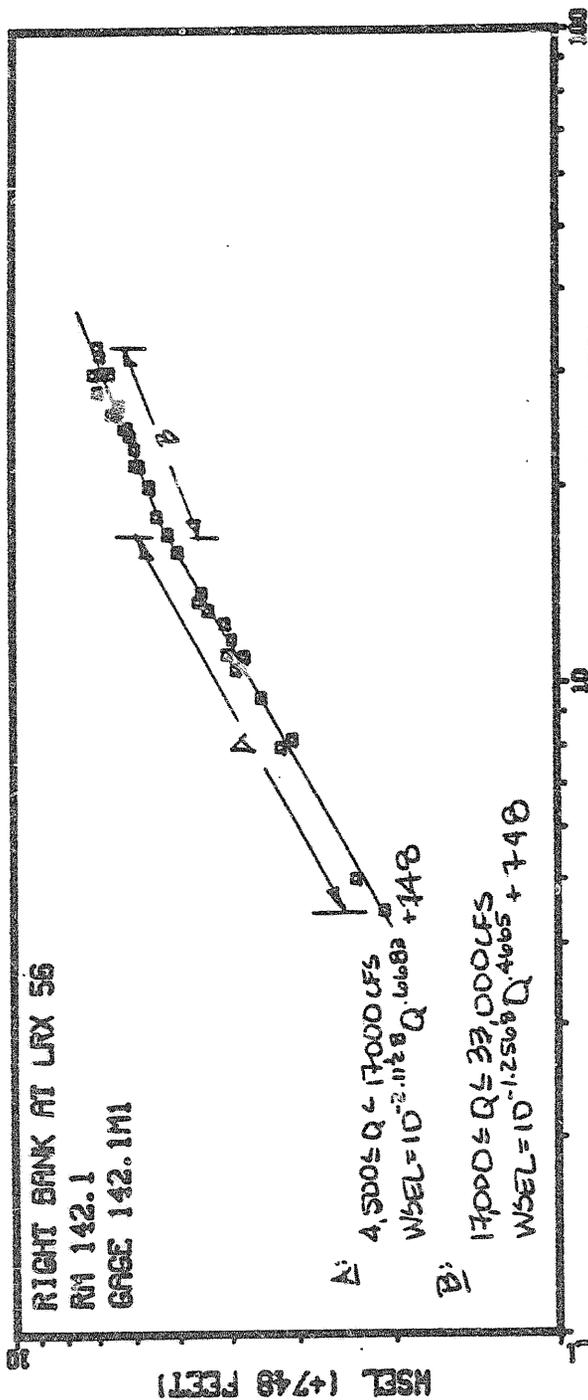


FIGURE 1-A-21 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the right bank at LRX 55 and the right bank at LRX 56.

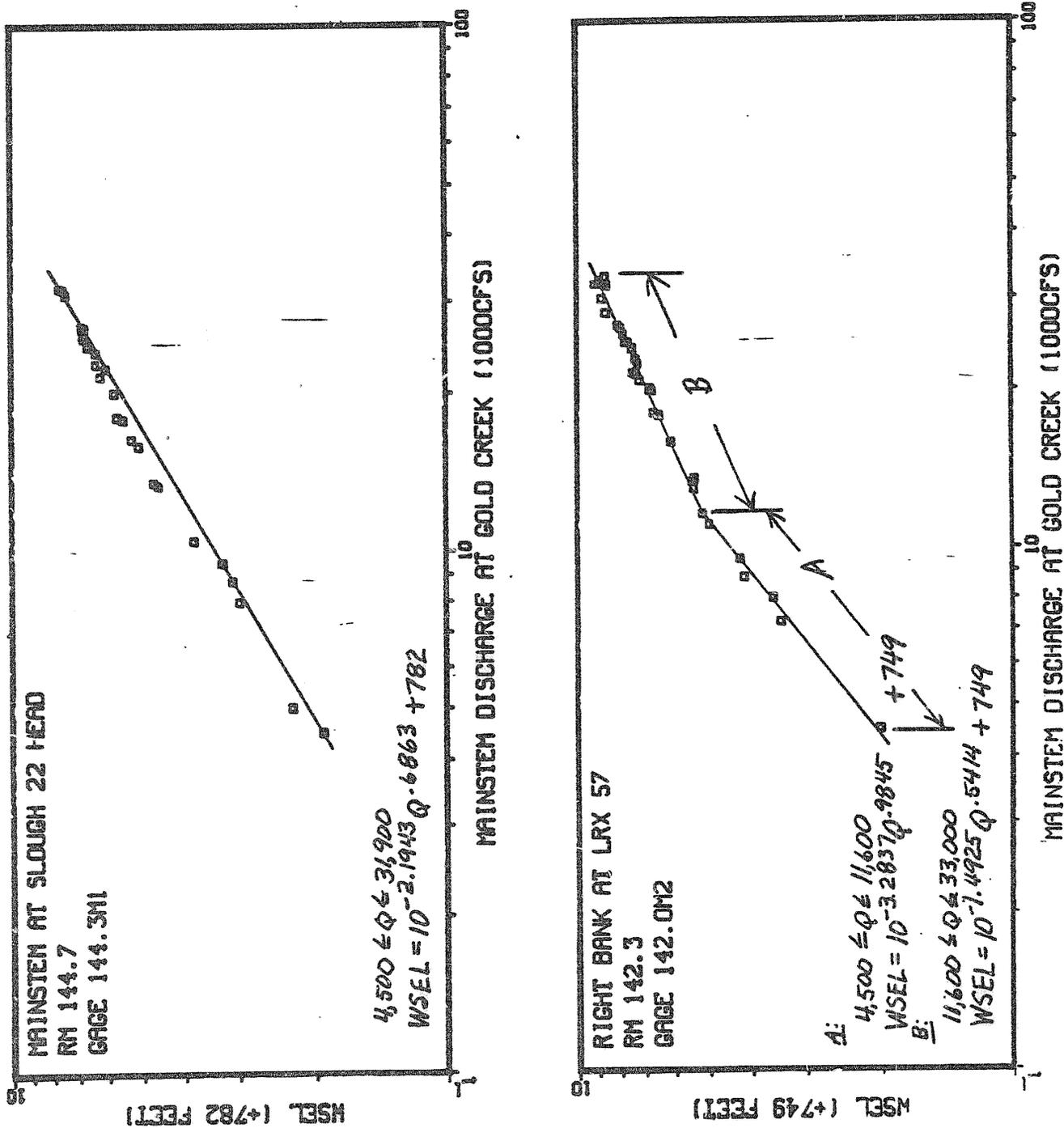


FIGURE 1-A-22 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the right bank at LRX 57 and at the mainstem at Side Slough 22 head.

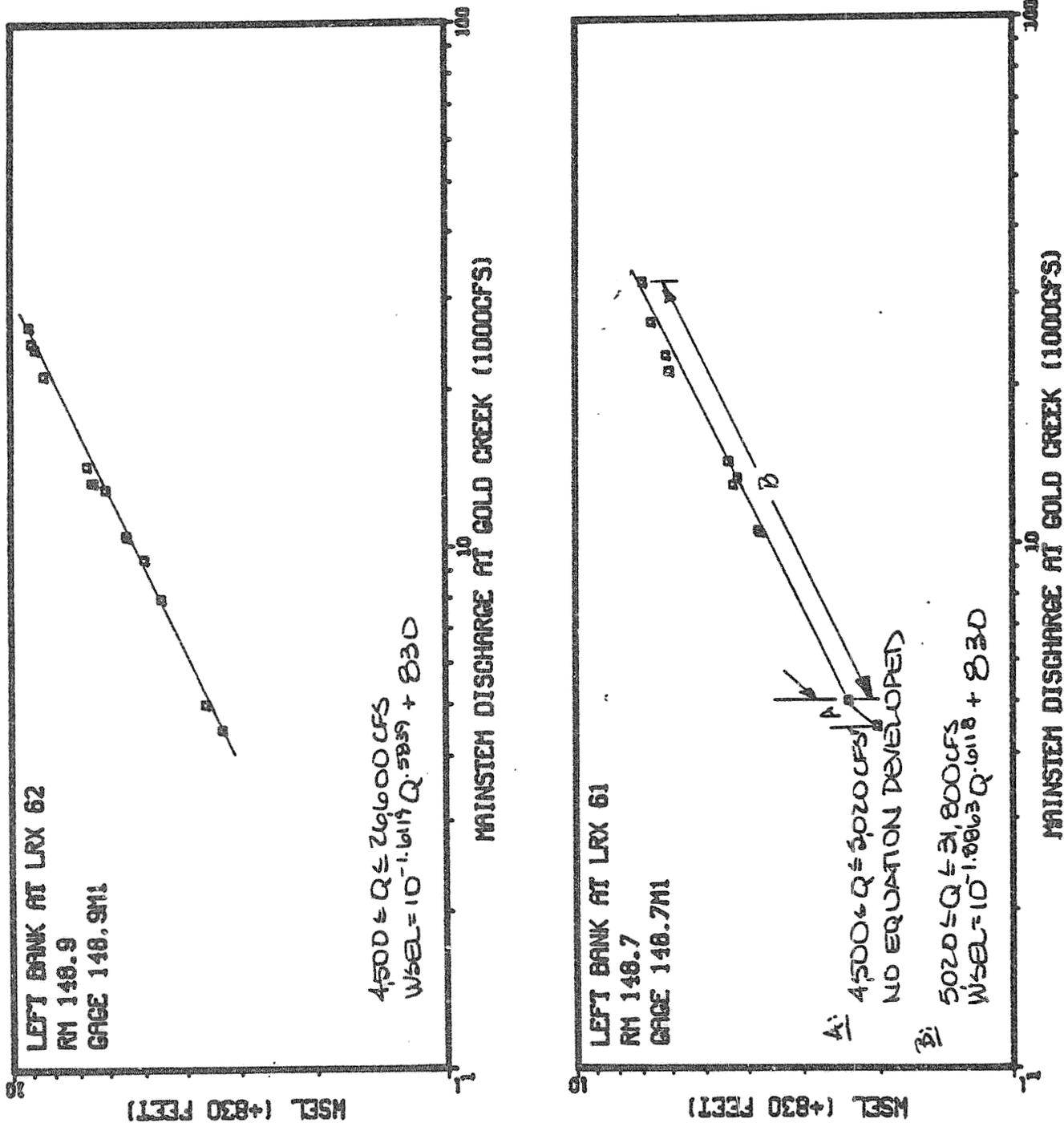


FIGURE 1-A-23 Mainstem discharge (Provisional USGS 1983) versus mainstem water surface elevation at the left bank at LRX 61 and the left bank at LRX 62.

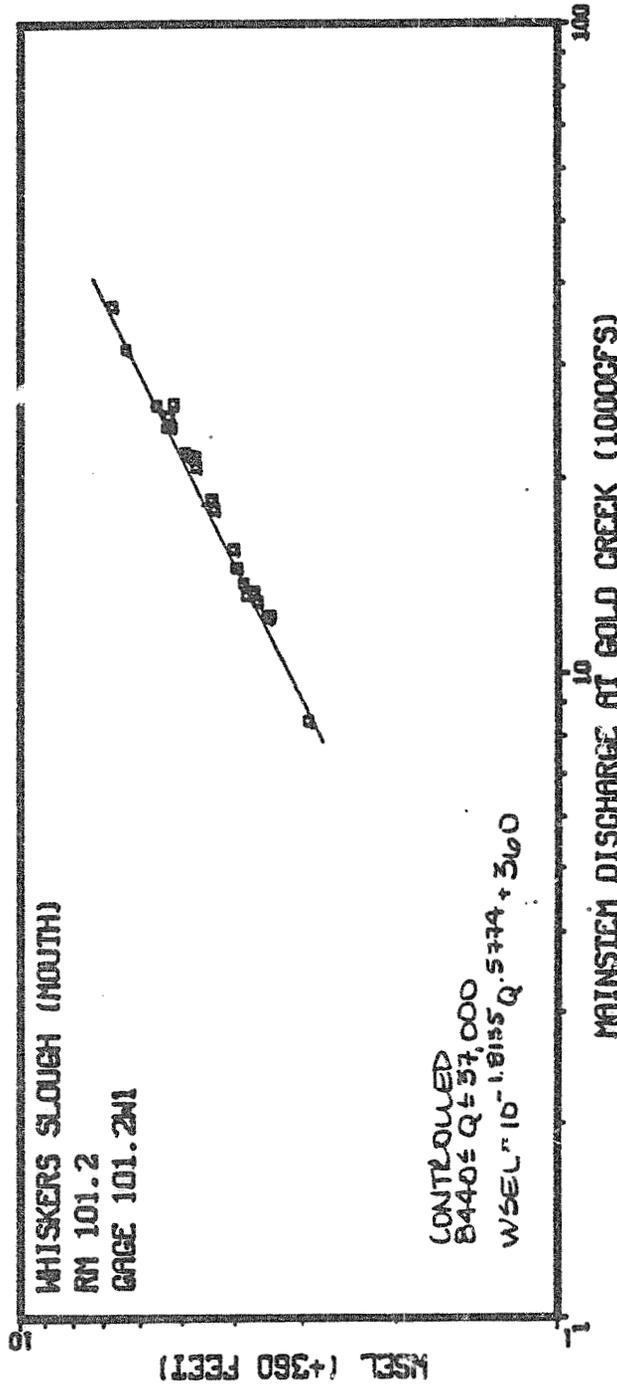
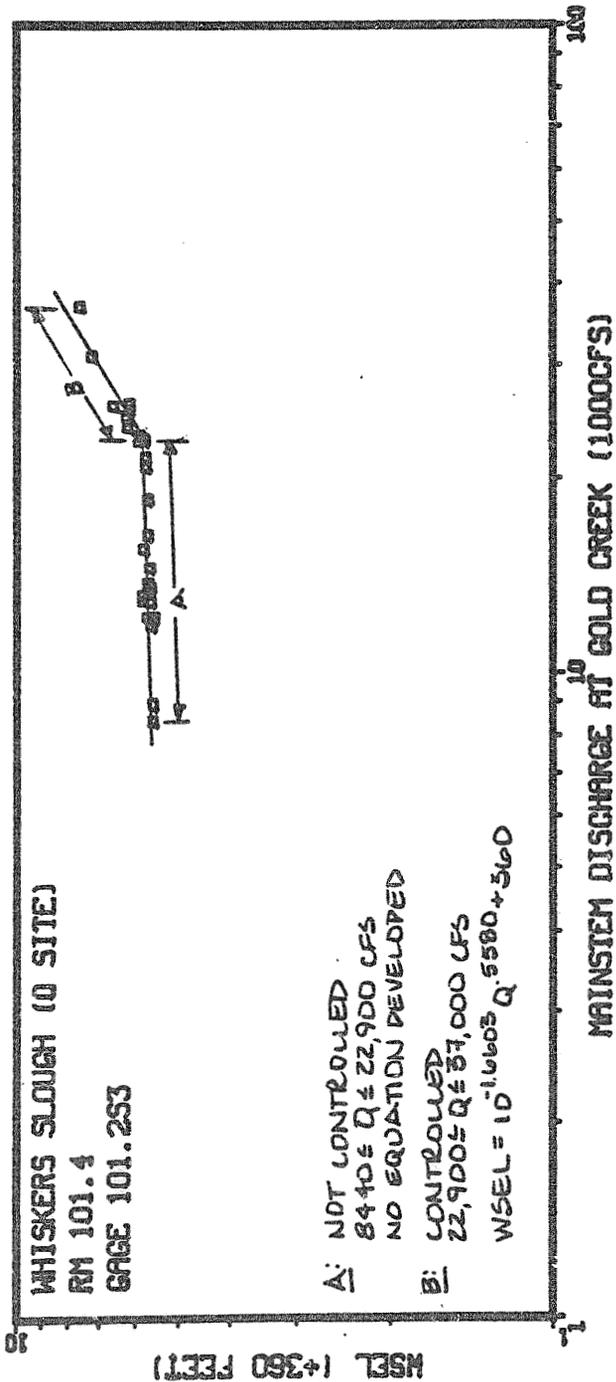


Figure 1-A-24 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Whiskers Slough Mouth and discharge site.

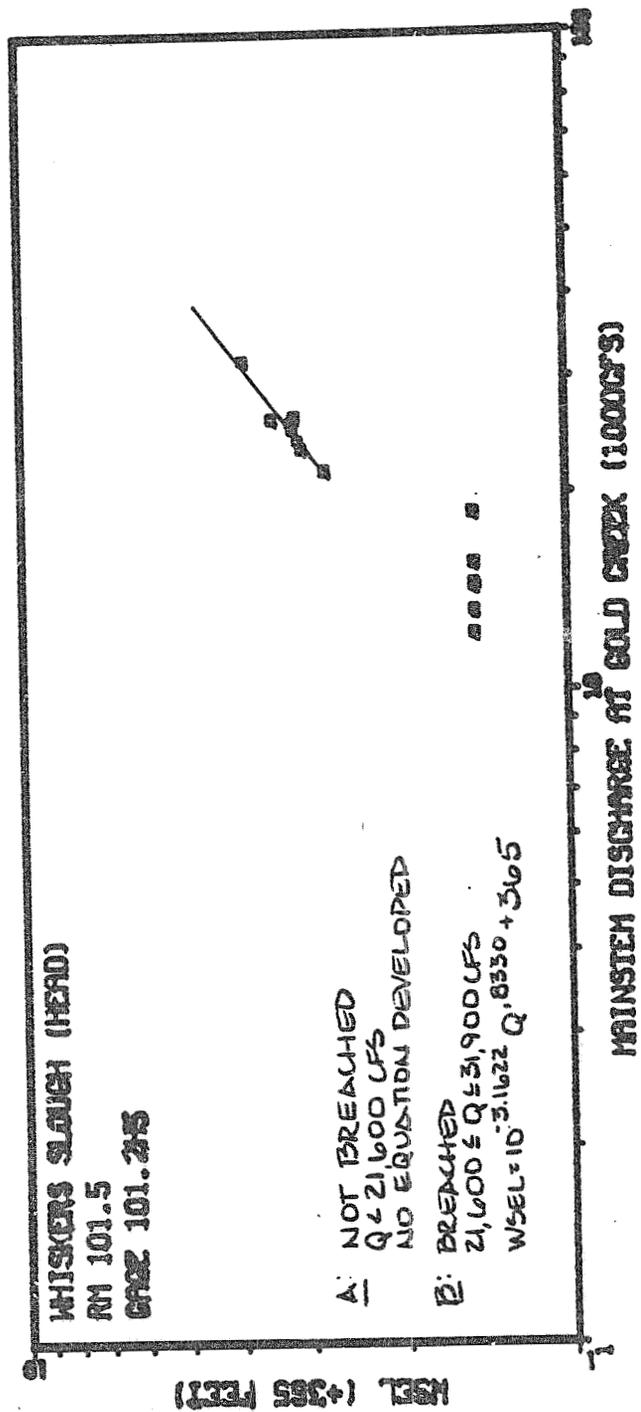


Figure 1-A-25 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Whiskers Slough head.

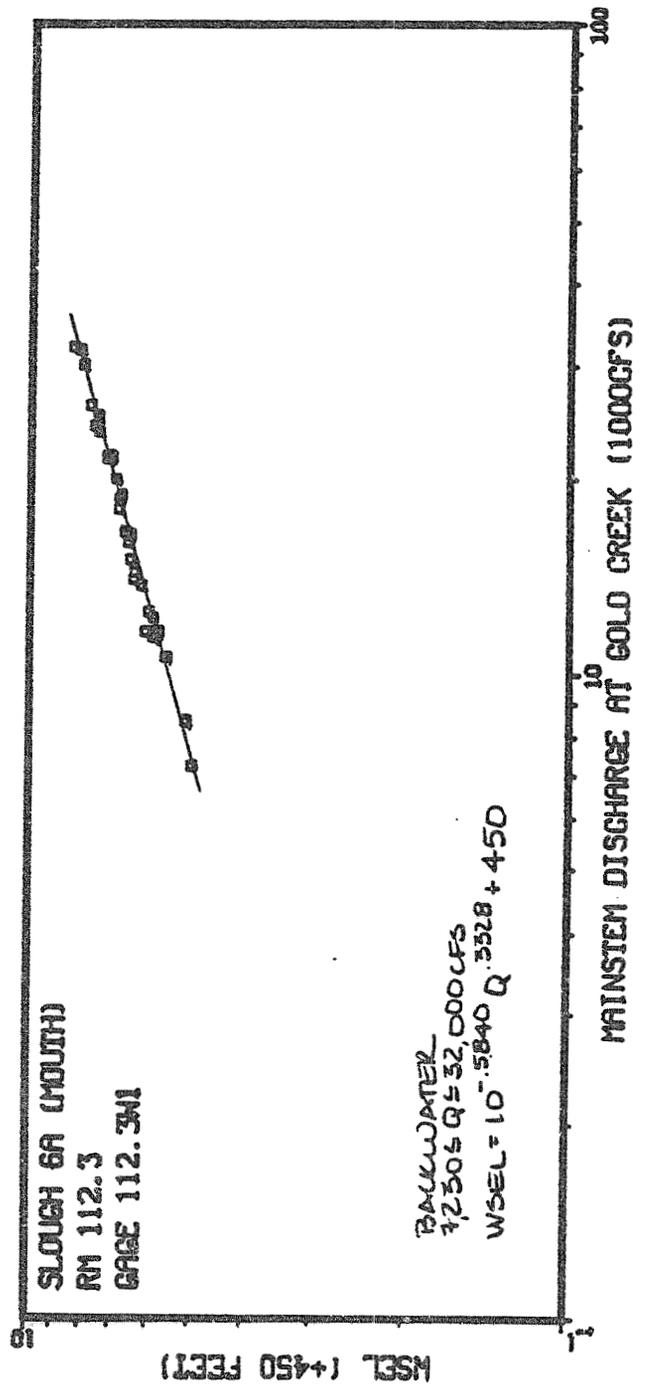
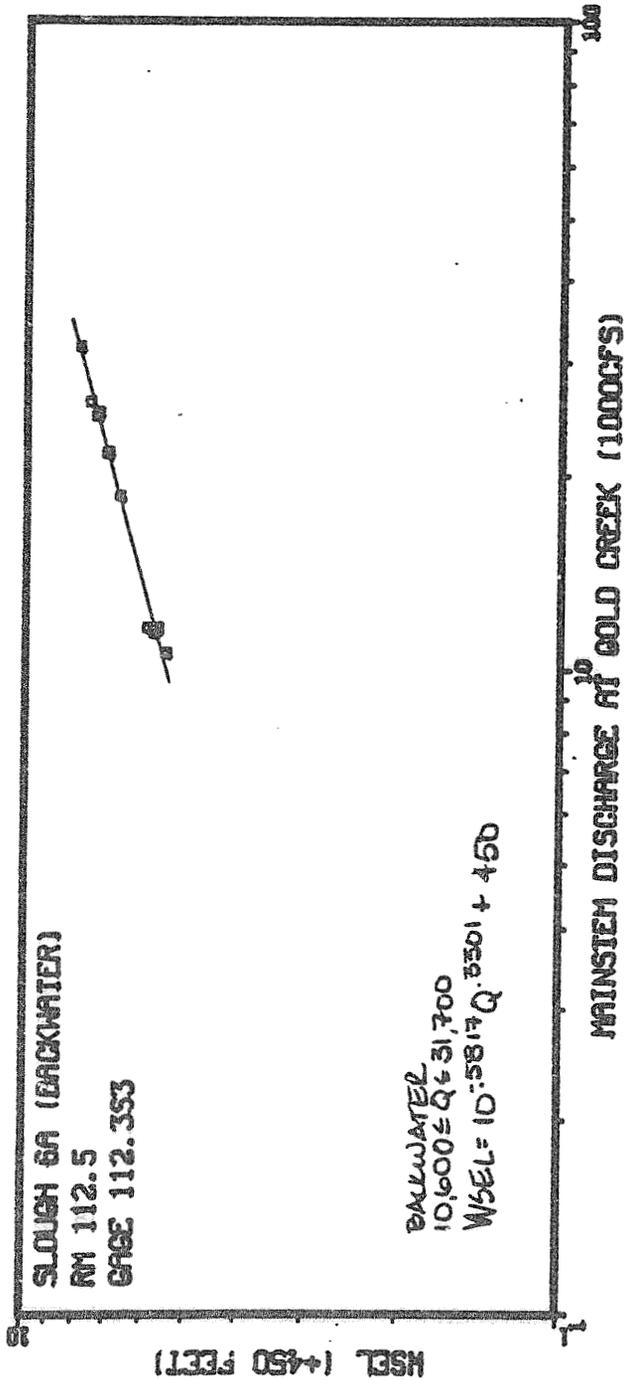


Figure 1-A-26 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 6A mouth and backwater.

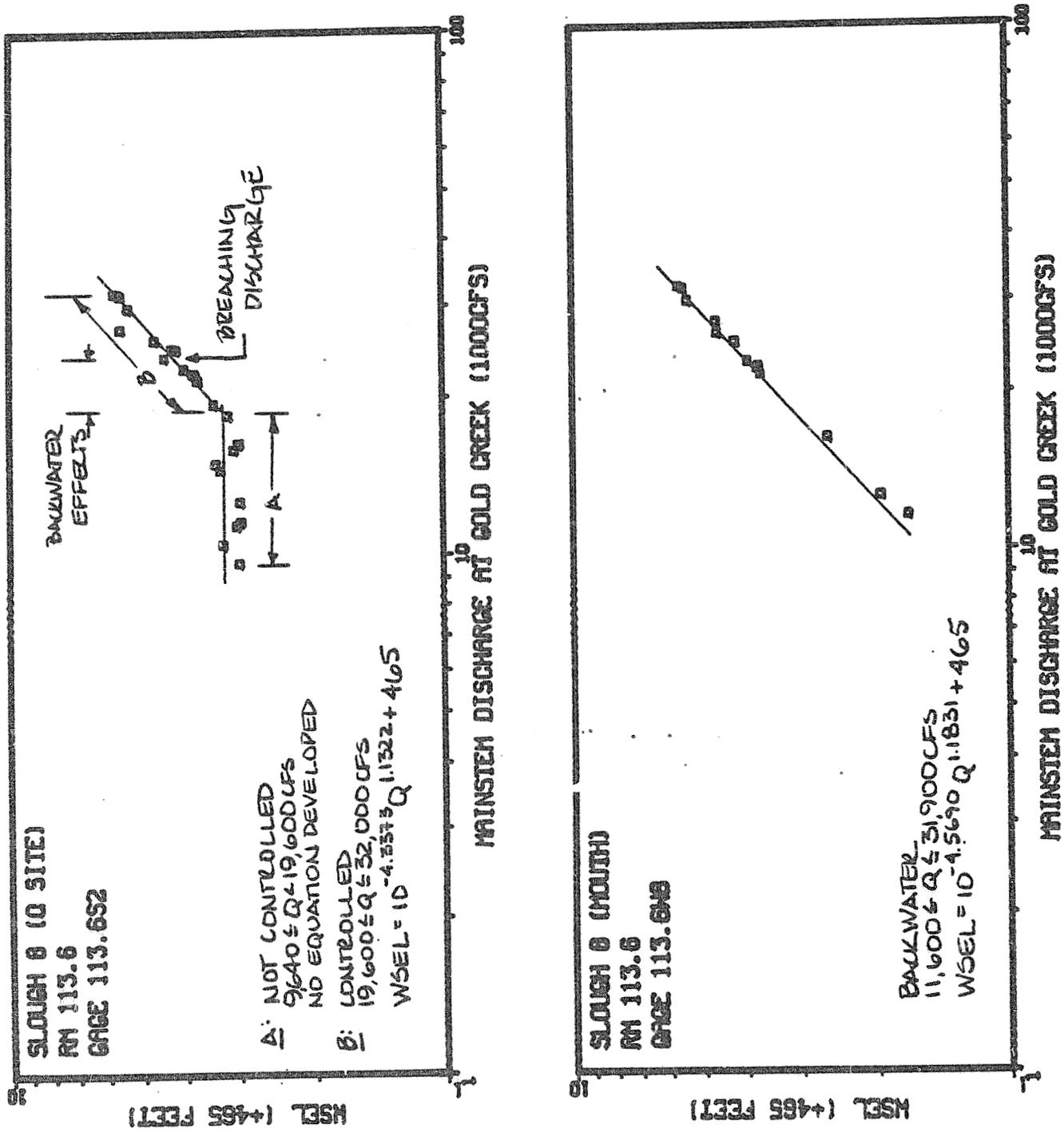


Figure 1-A-27 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 8 mouth and discharge site.

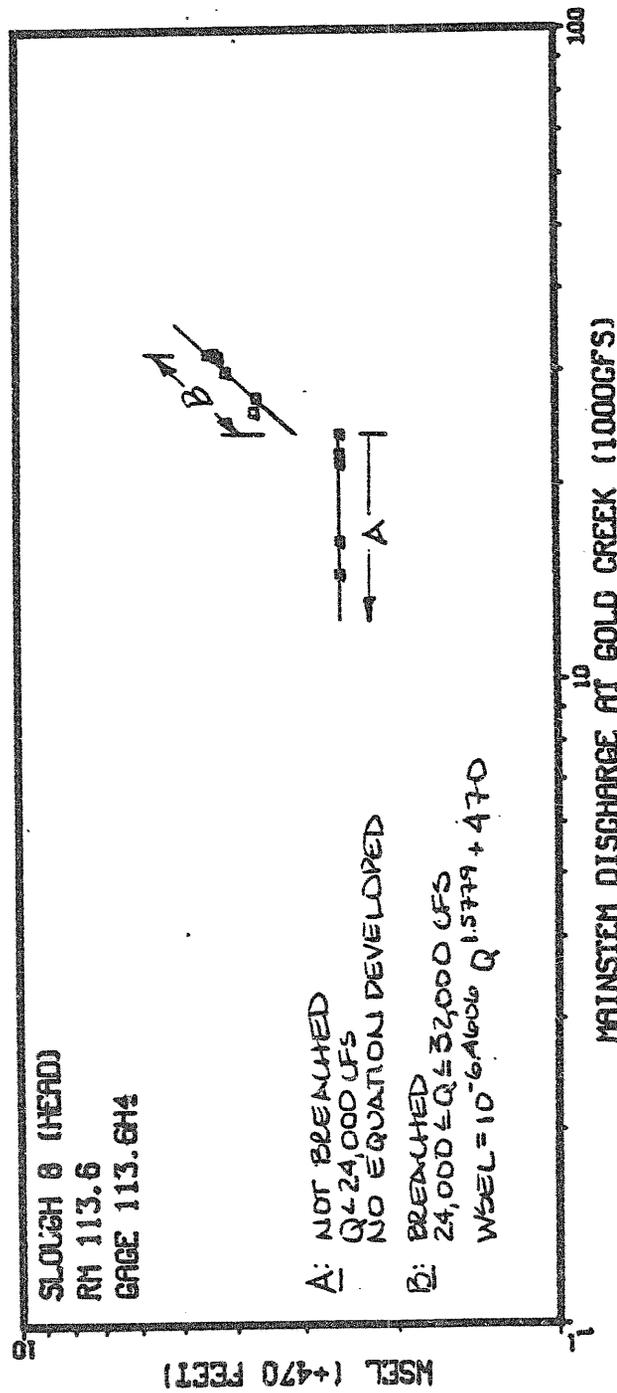
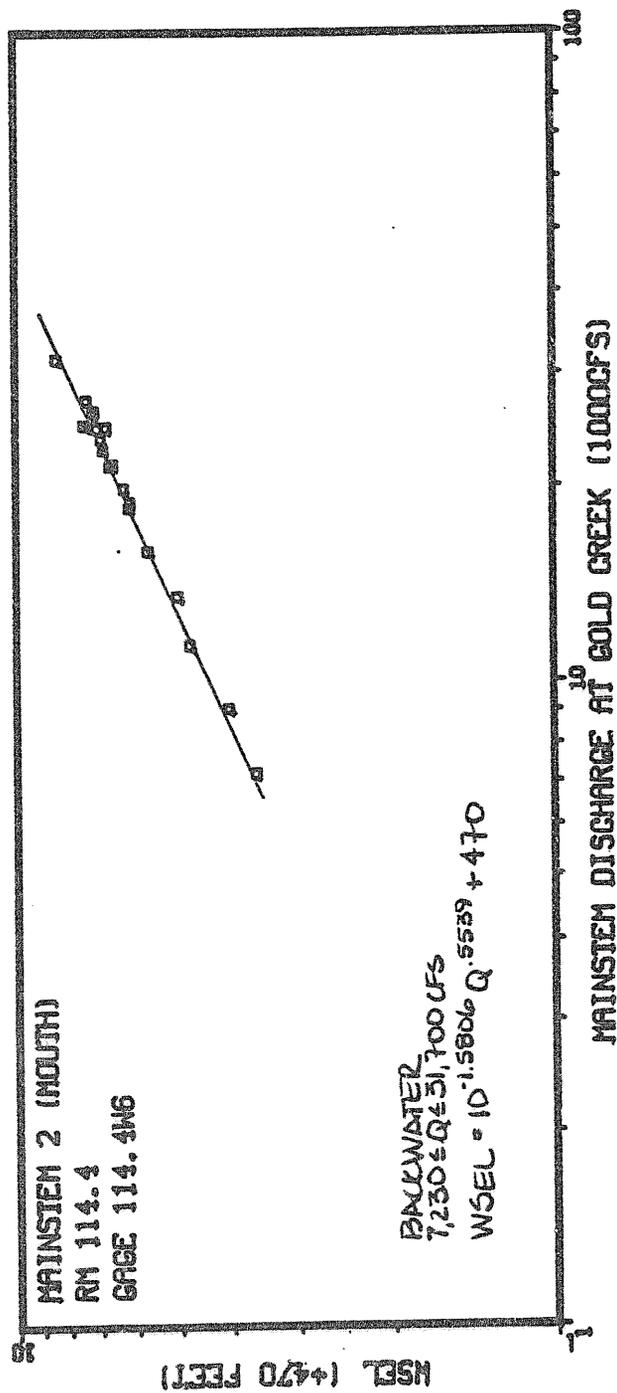


Figure 1-A-28 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 8 head and Mainstem 2 mouth.

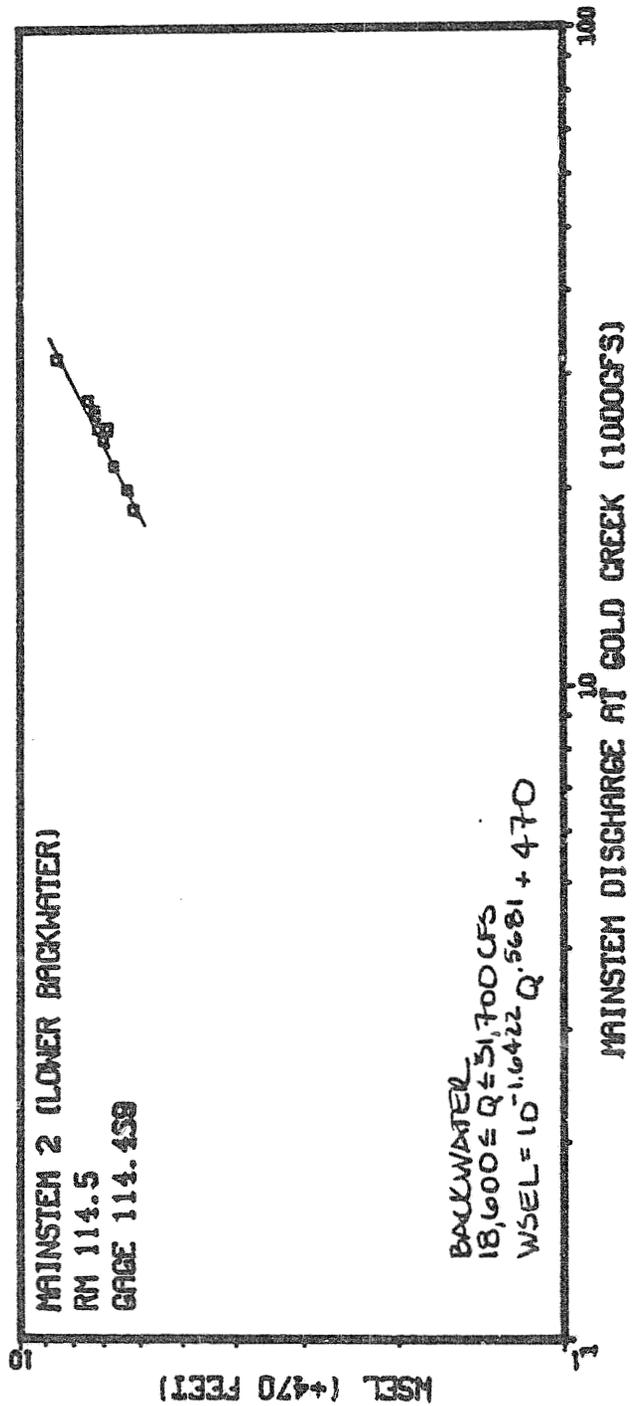
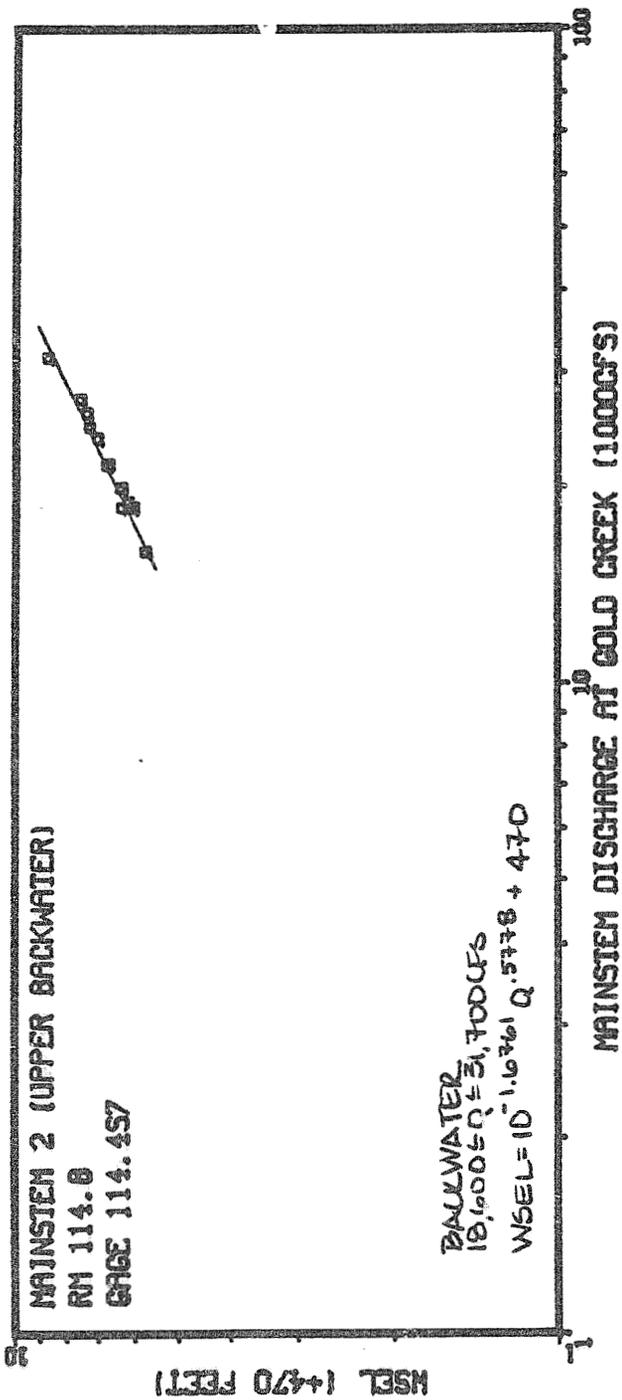


Figure 1-A-29 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Mainstem 2 lower backwater and upper backwater.

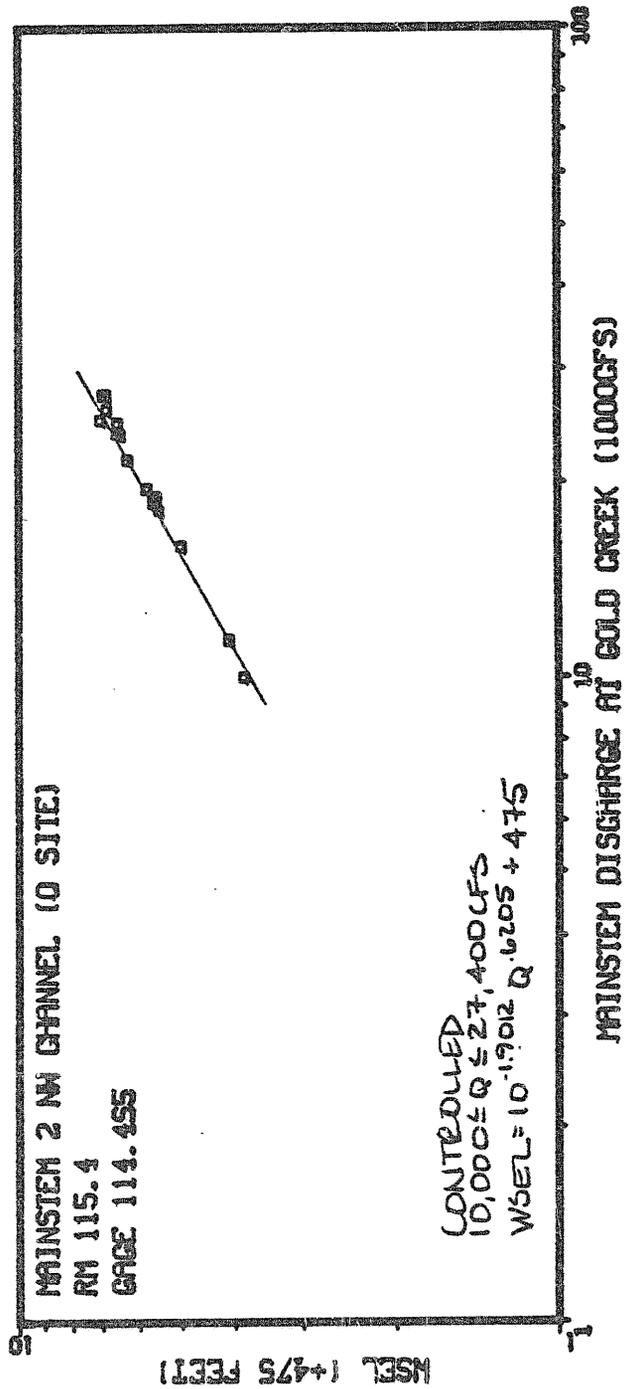
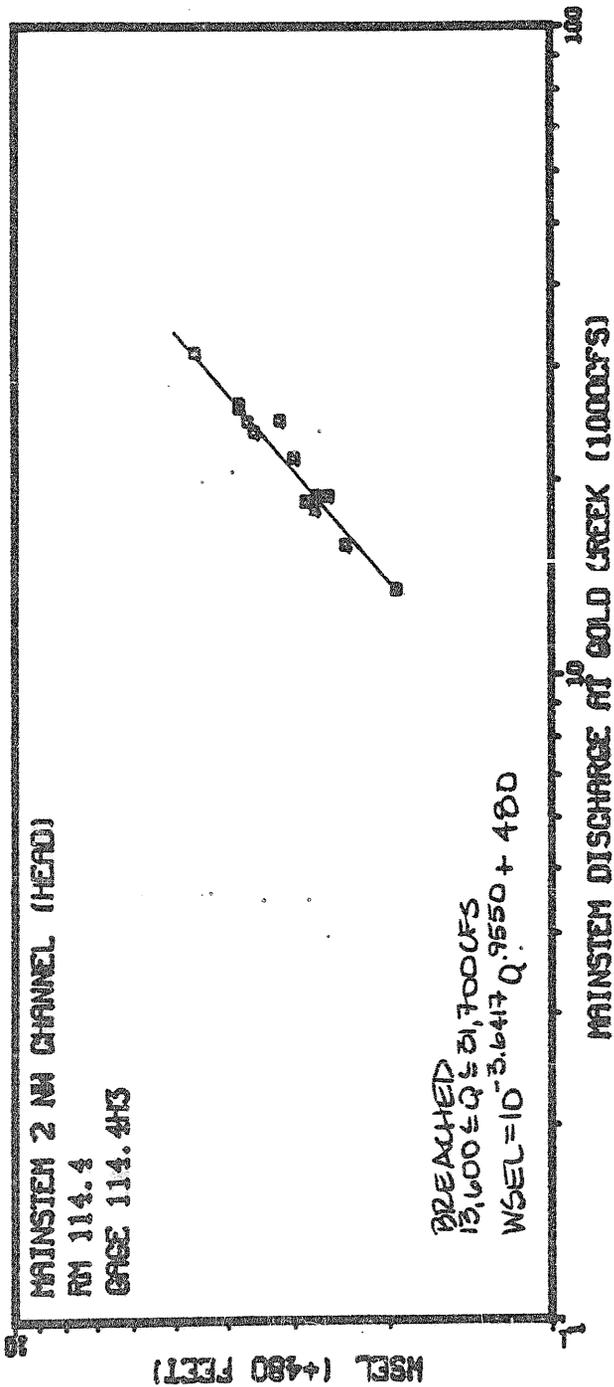


Figure 1-A-30 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Mainstem 2 NW Channel discharge site and head.

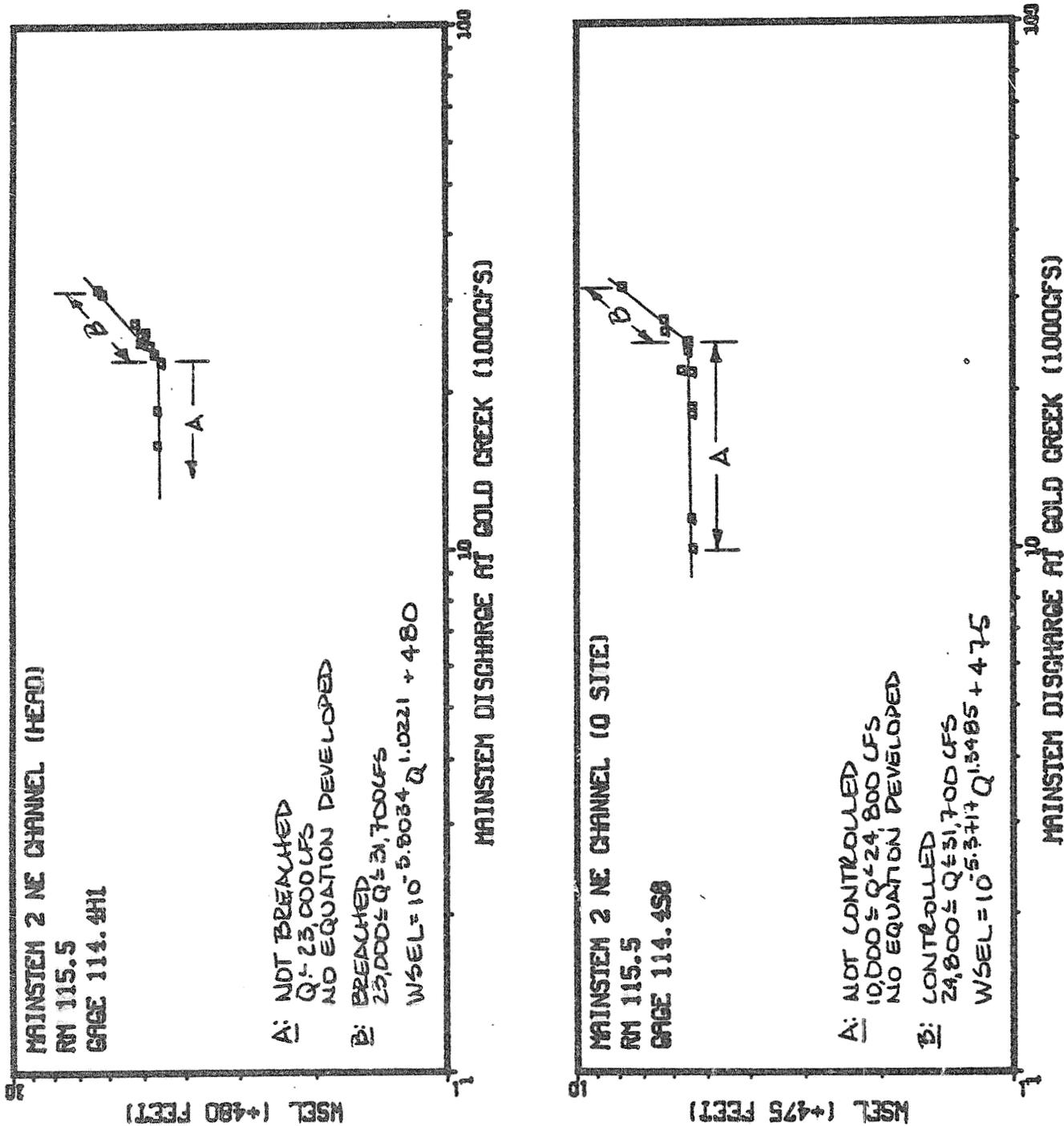


Figure 1-A-31 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Mainstem 2 NE Channel discharge site and head.

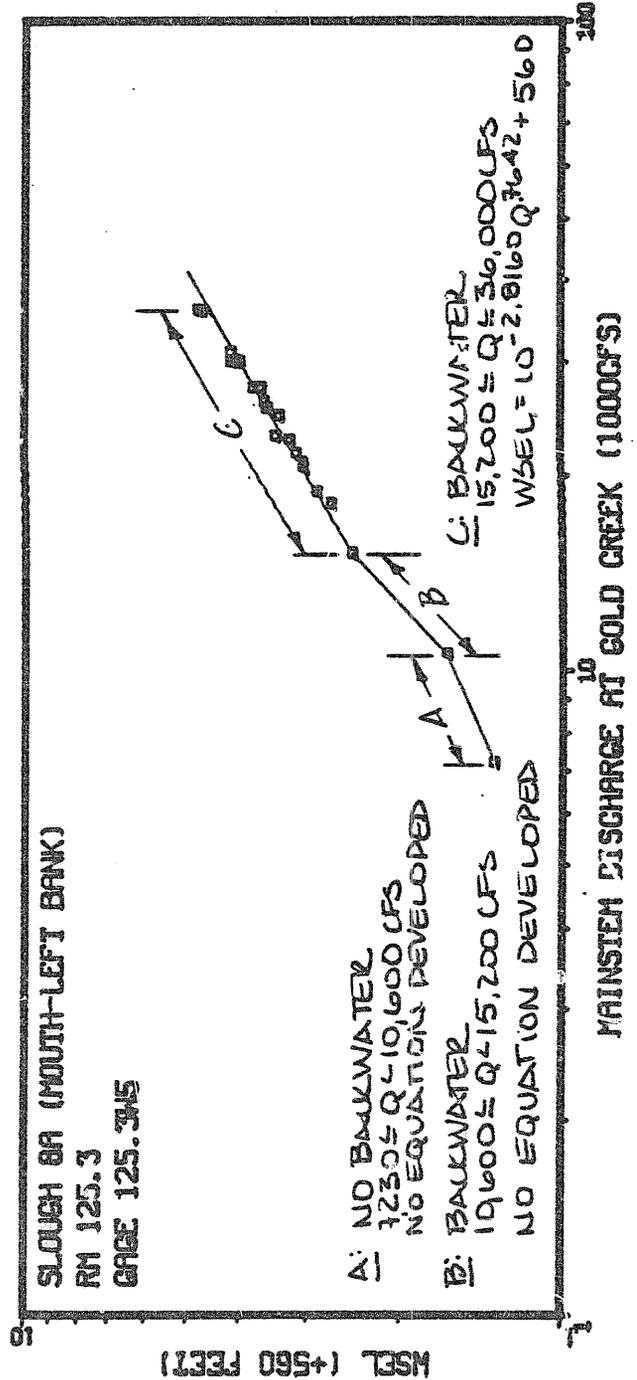
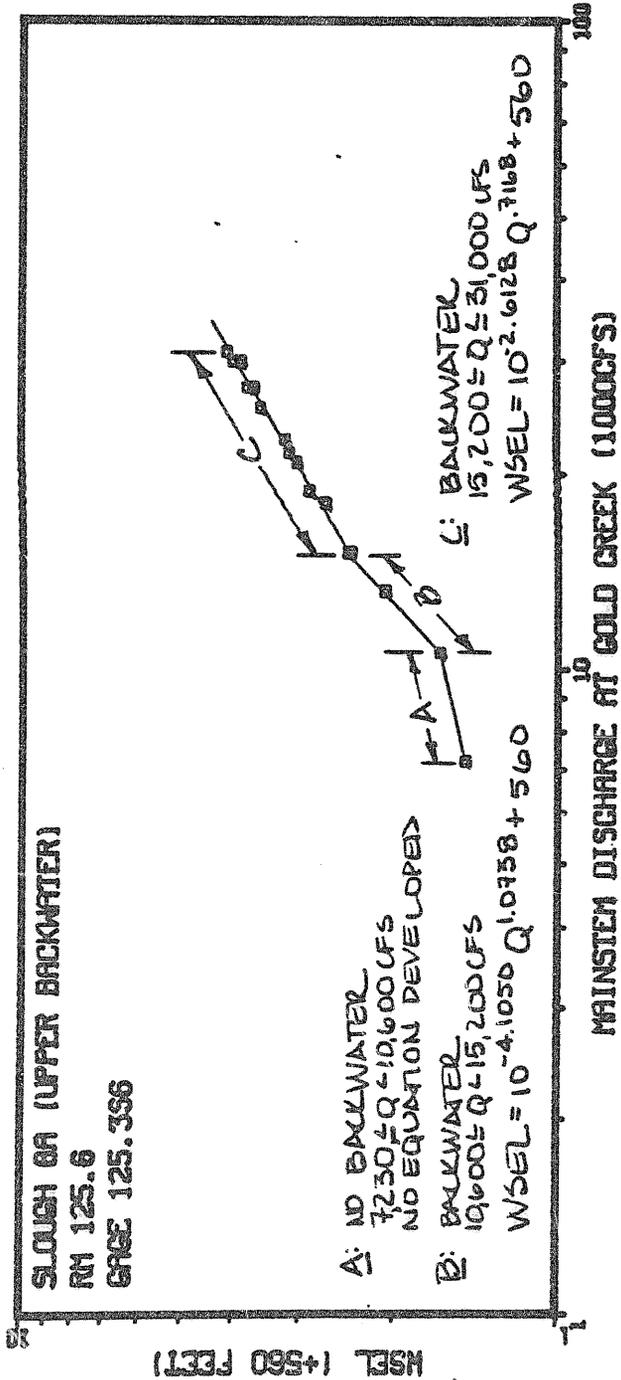


Figure 1-A-32 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 8A mouth and upper backwater.

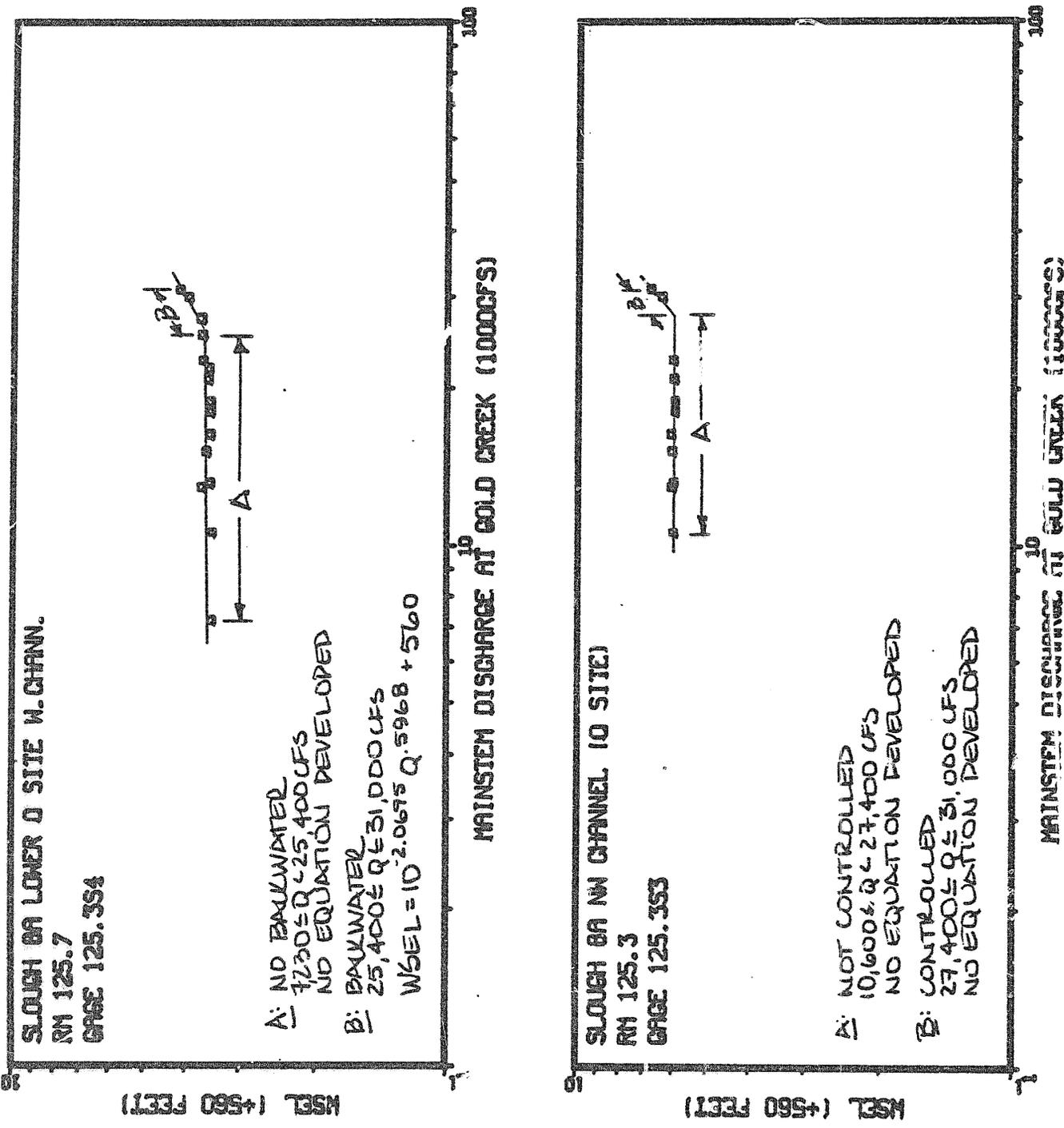


Figure 1-A-33 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 8A NW Channel discharge site and lower discharge site west channel.

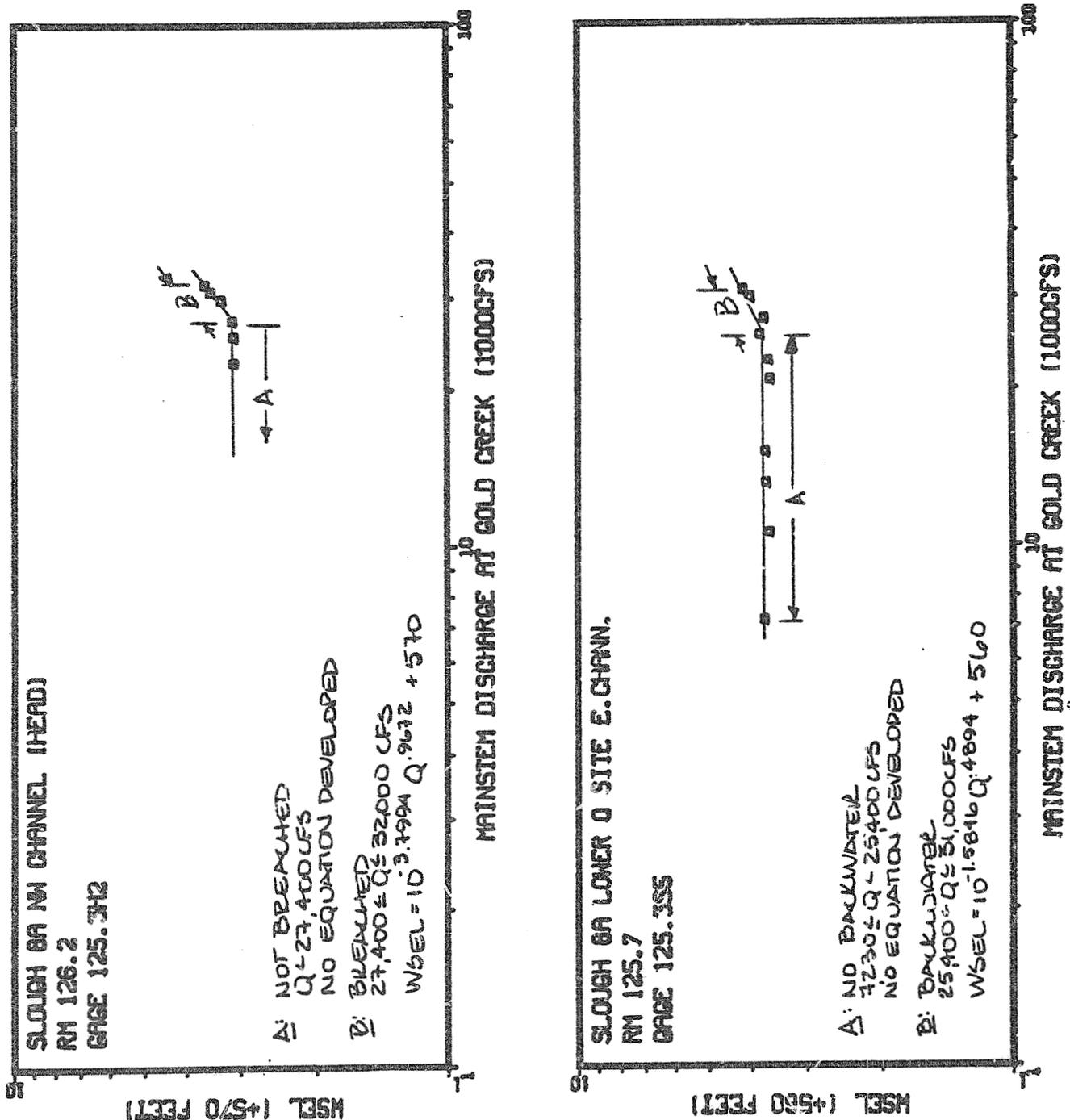


Figure 1-A-34 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 8A lower discharge site east channel and NW channel head.

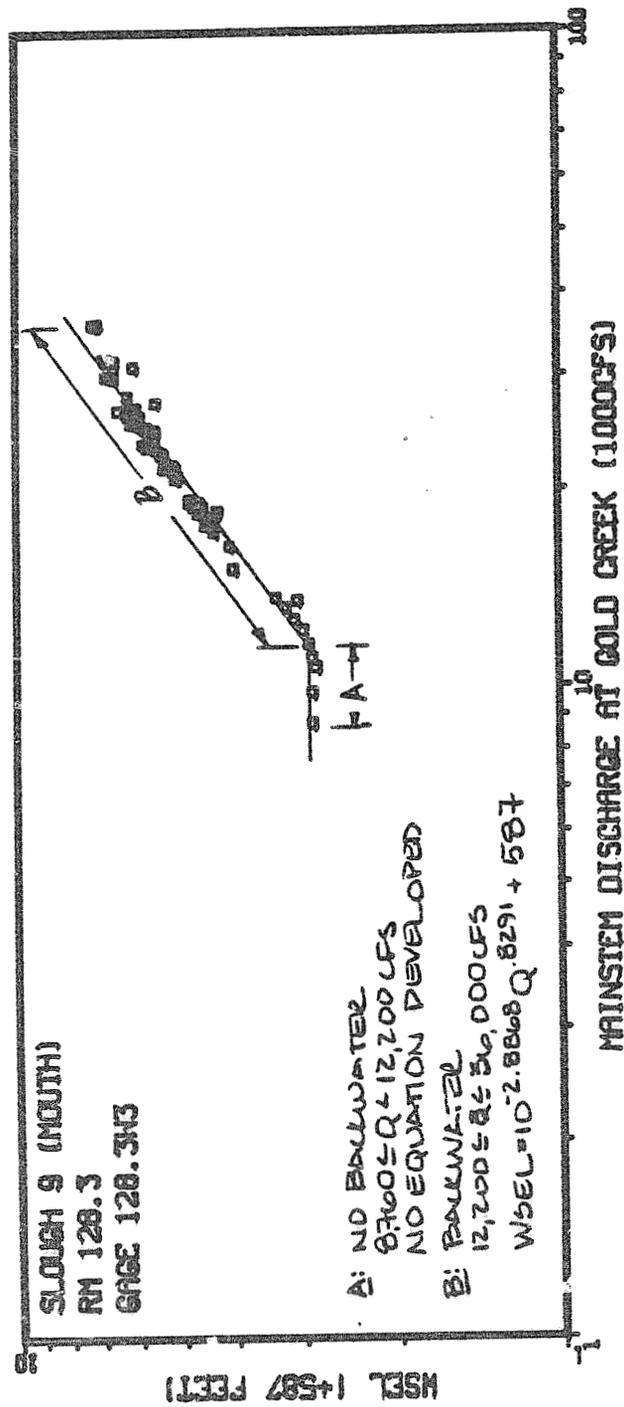


Figure 1-A-35 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 9 mouth.

1-A-199

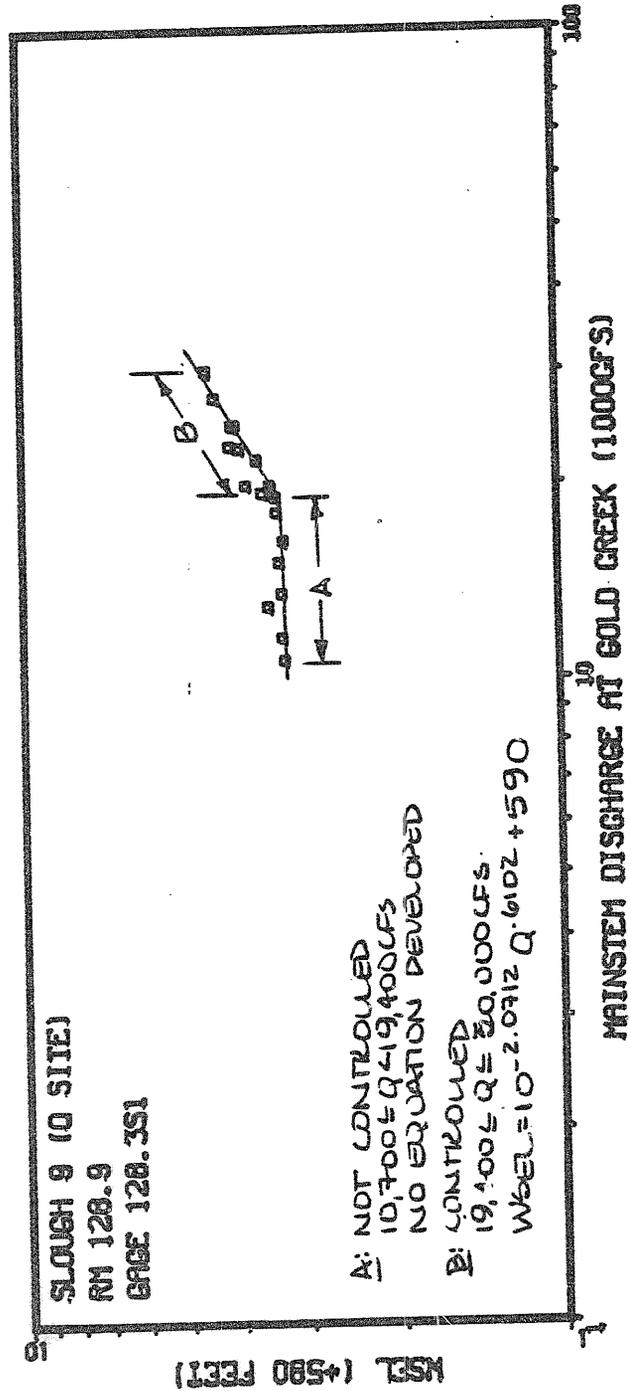
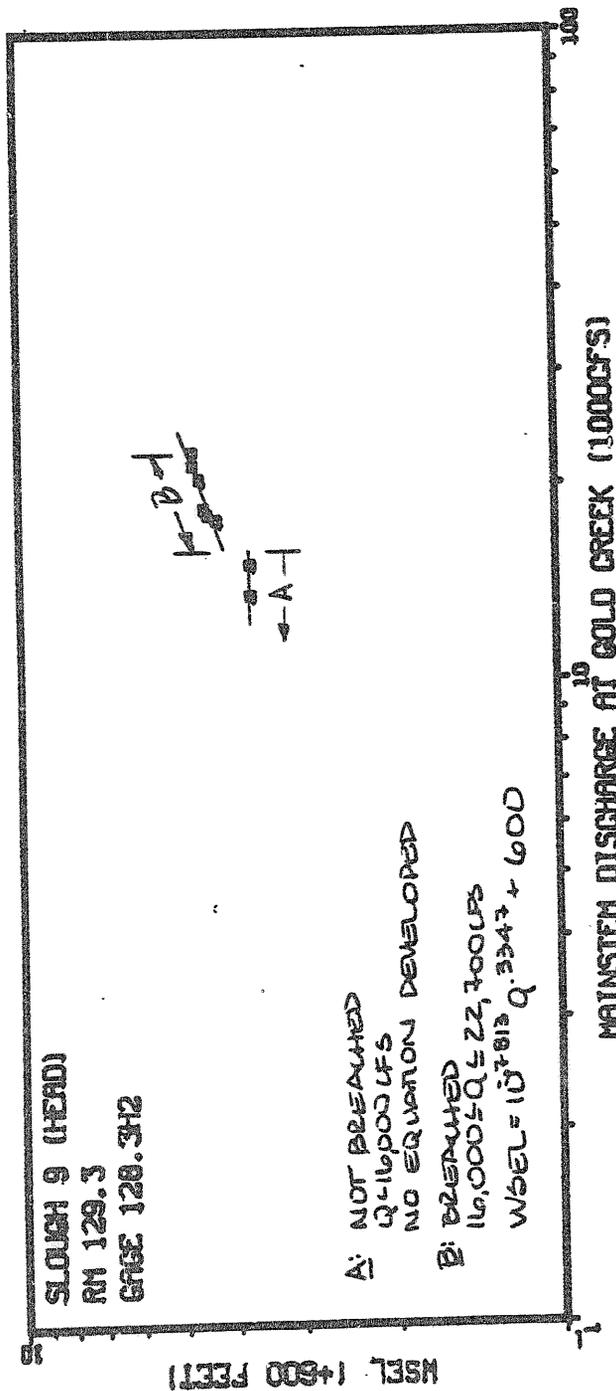


Figure 1-A-36 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 9 discharge site and head.

1-A-195

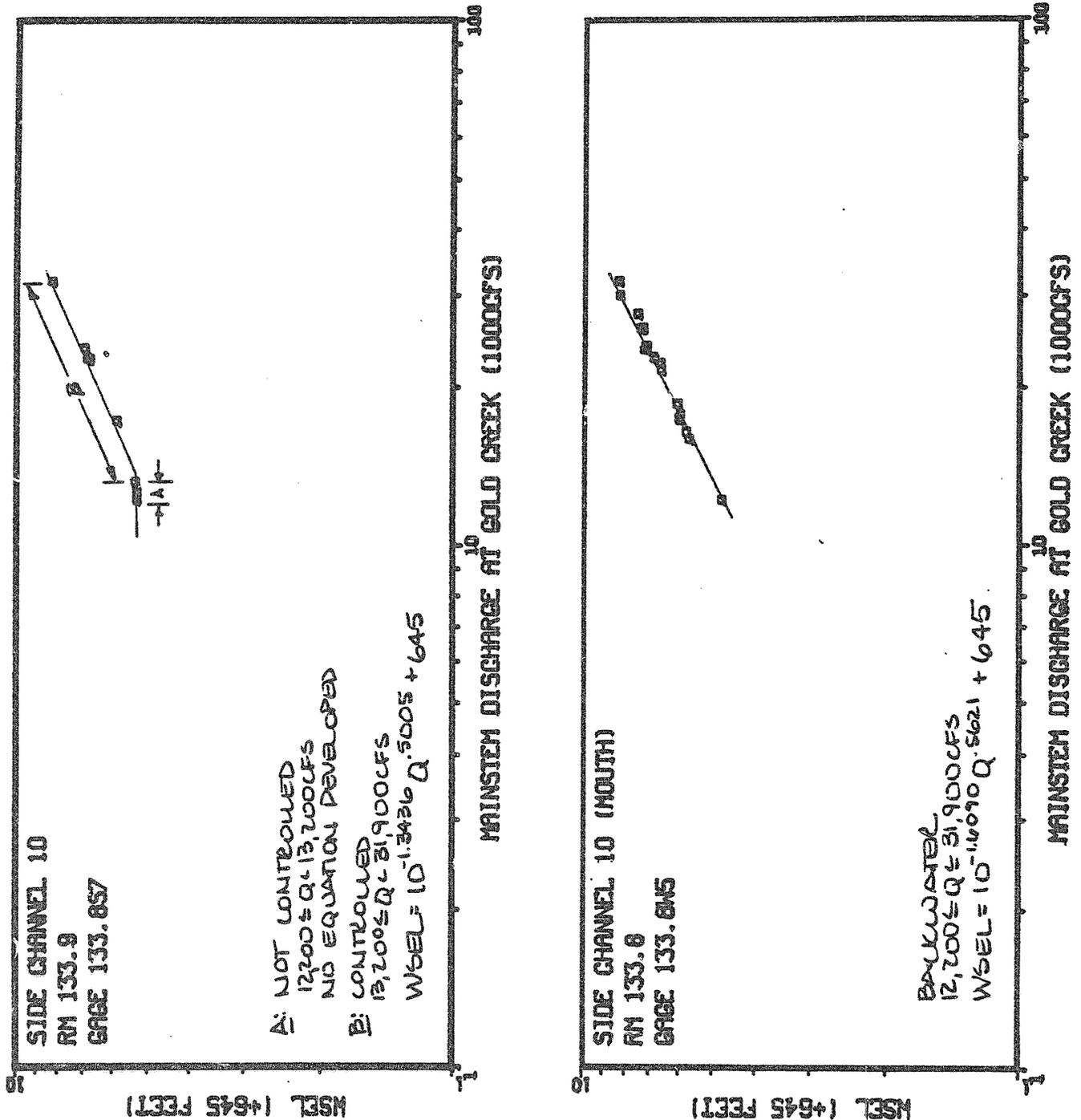


Figure 1-A-37 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Side Channel 10 mouth and Side Channel 10 at staff gage 133.8S7.

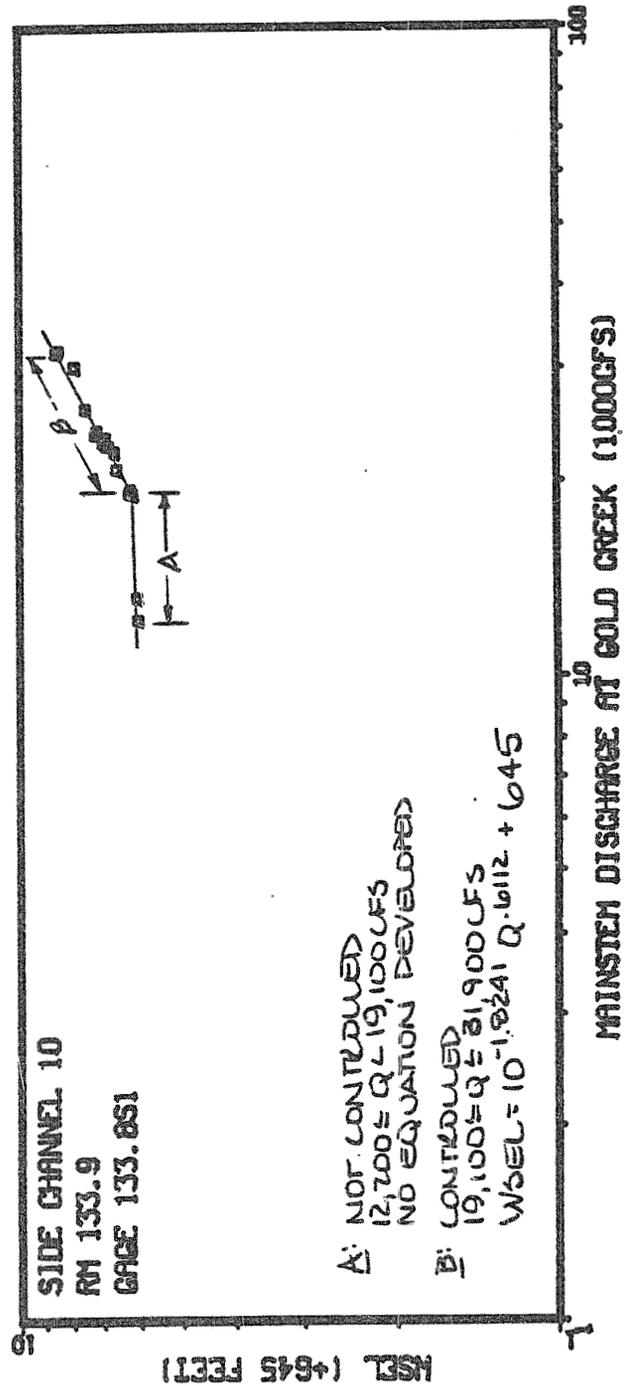
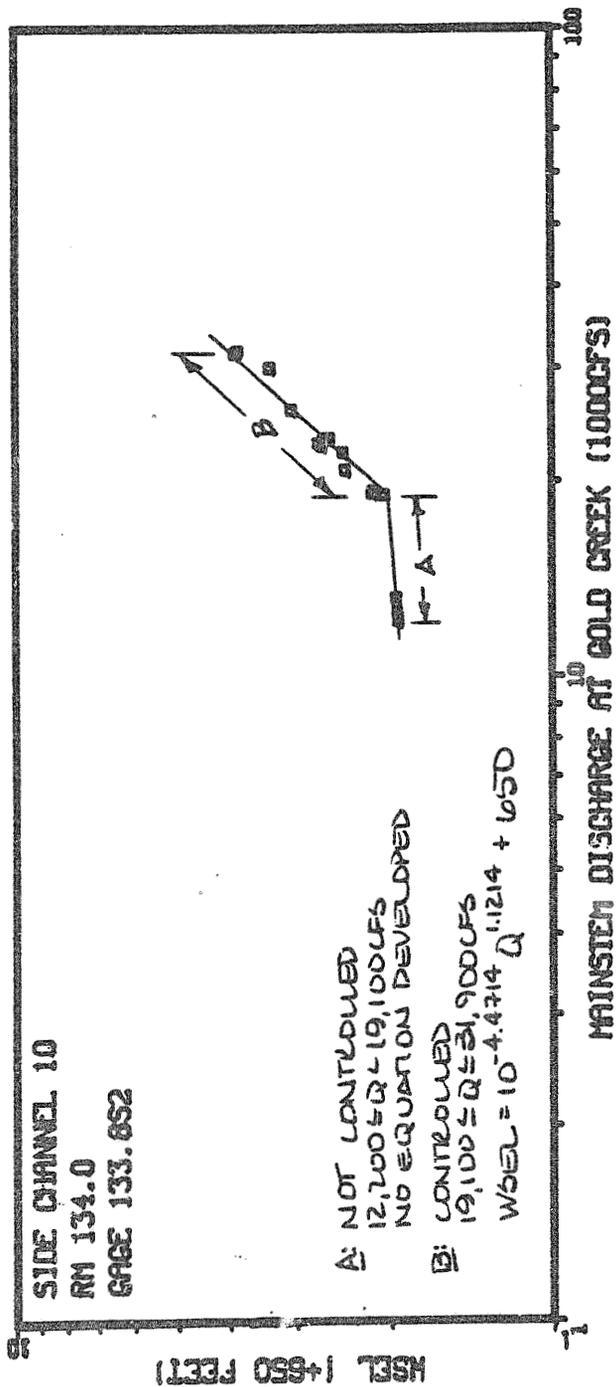


Figure 1-A-38 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Side Channel 10 physical habitat modeling cross sections 1 and 2 (staff gages 133.8S1 and 133.8S2).

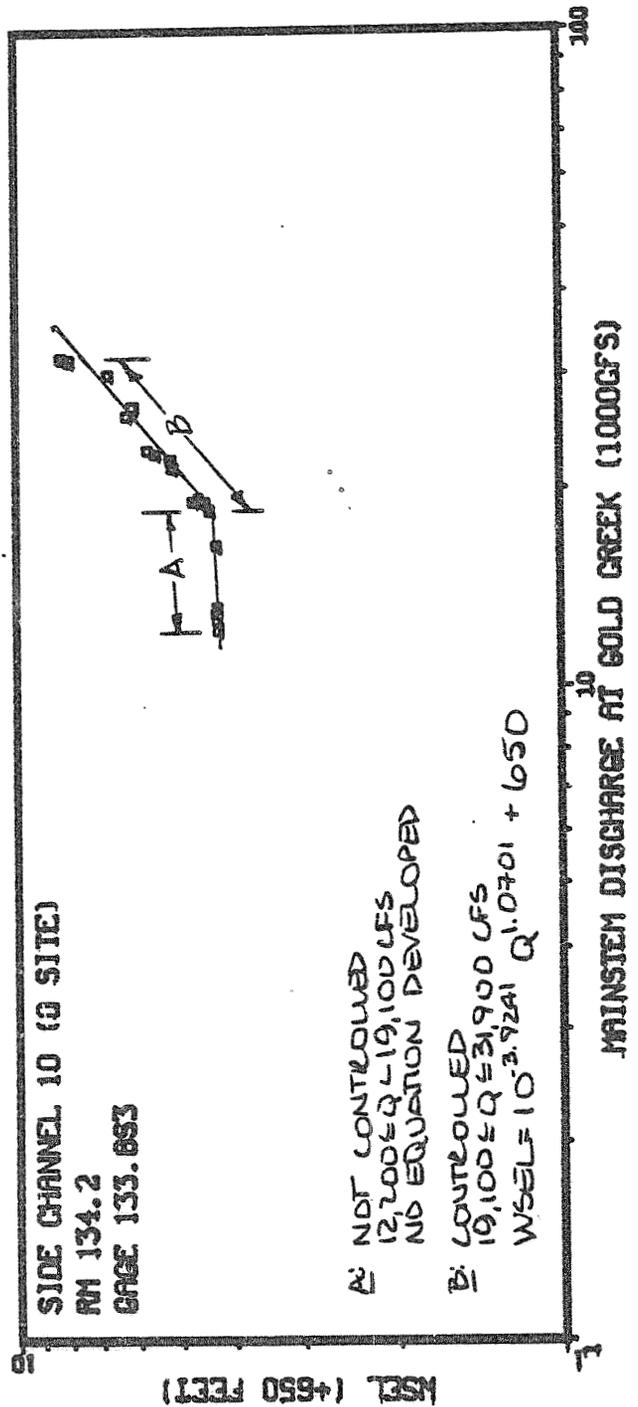
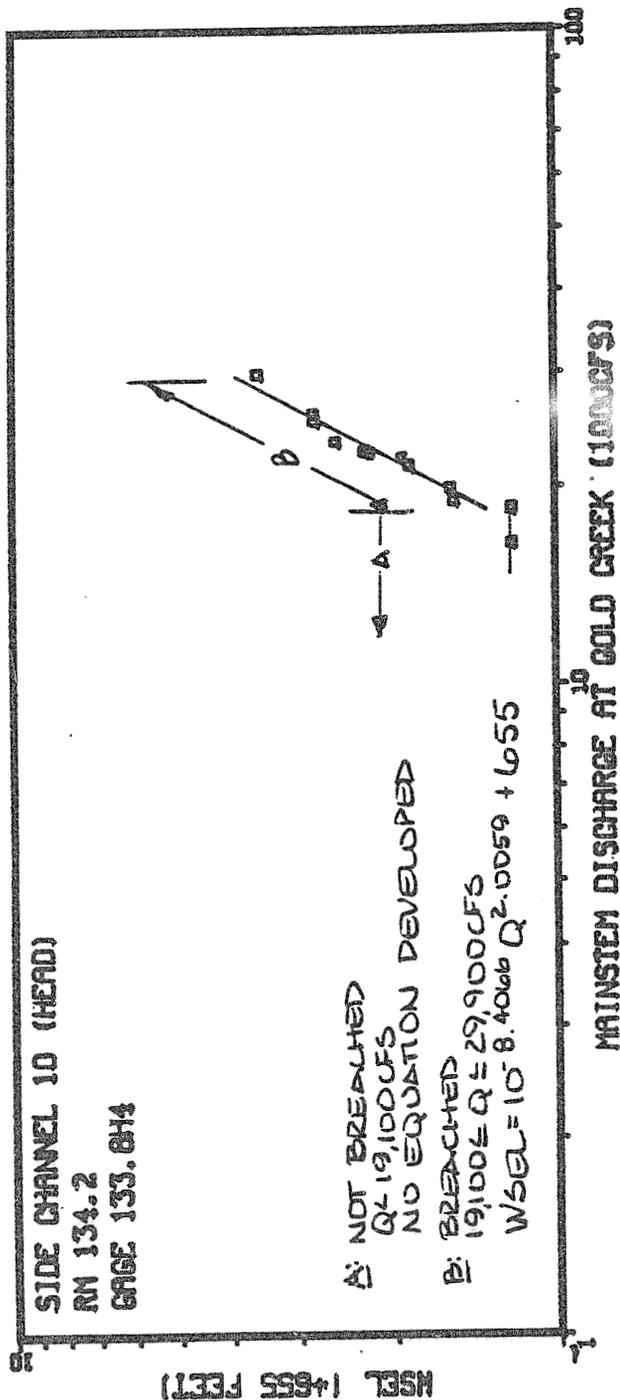


Figure 1-A-39 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Side Channel 10 physical habitat modeling cross section 4 (discharge site) and head.

1-A-198

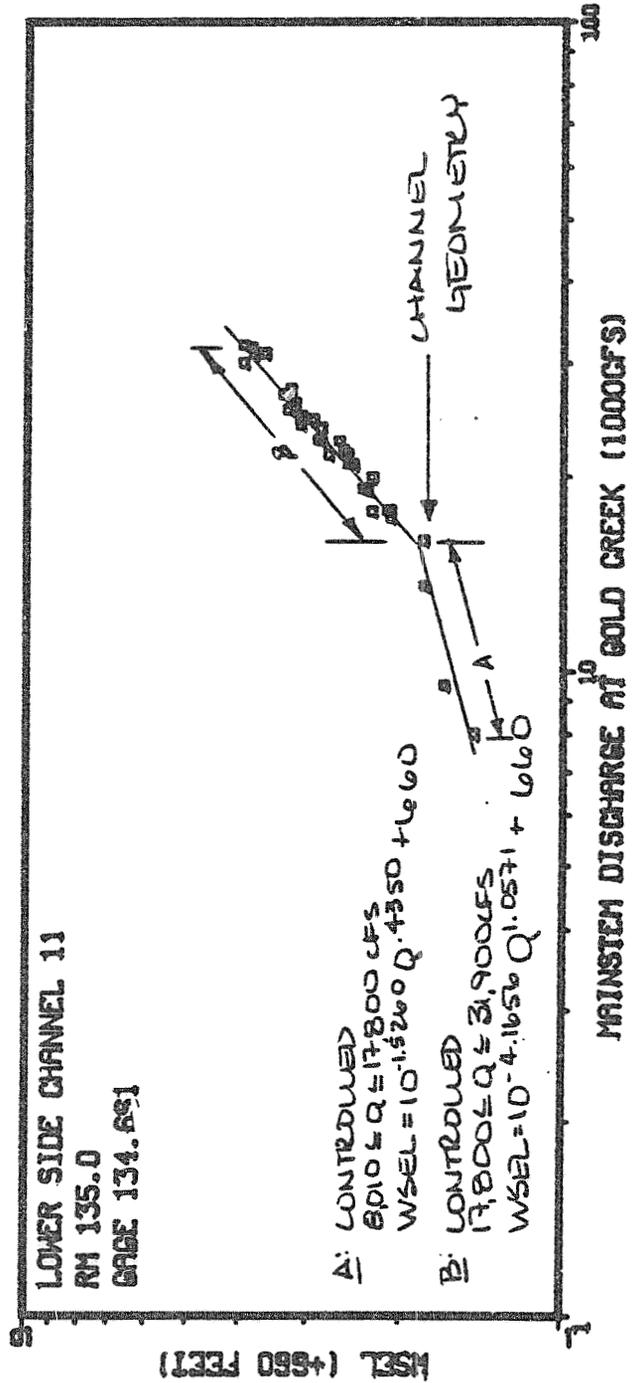
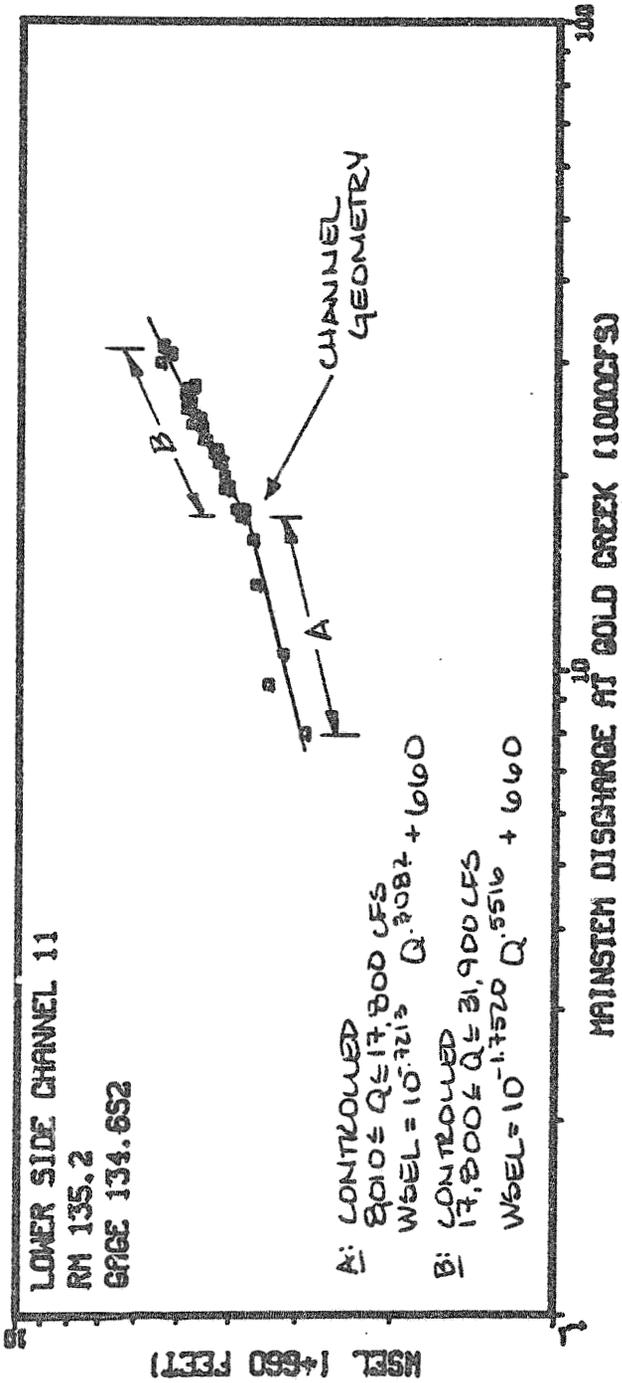


Figure 1-A-40 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Lower Side Channel 11 physical habitat modeling cross section 1 and 3 (staff gages 134.6S1 and 134.6S2).

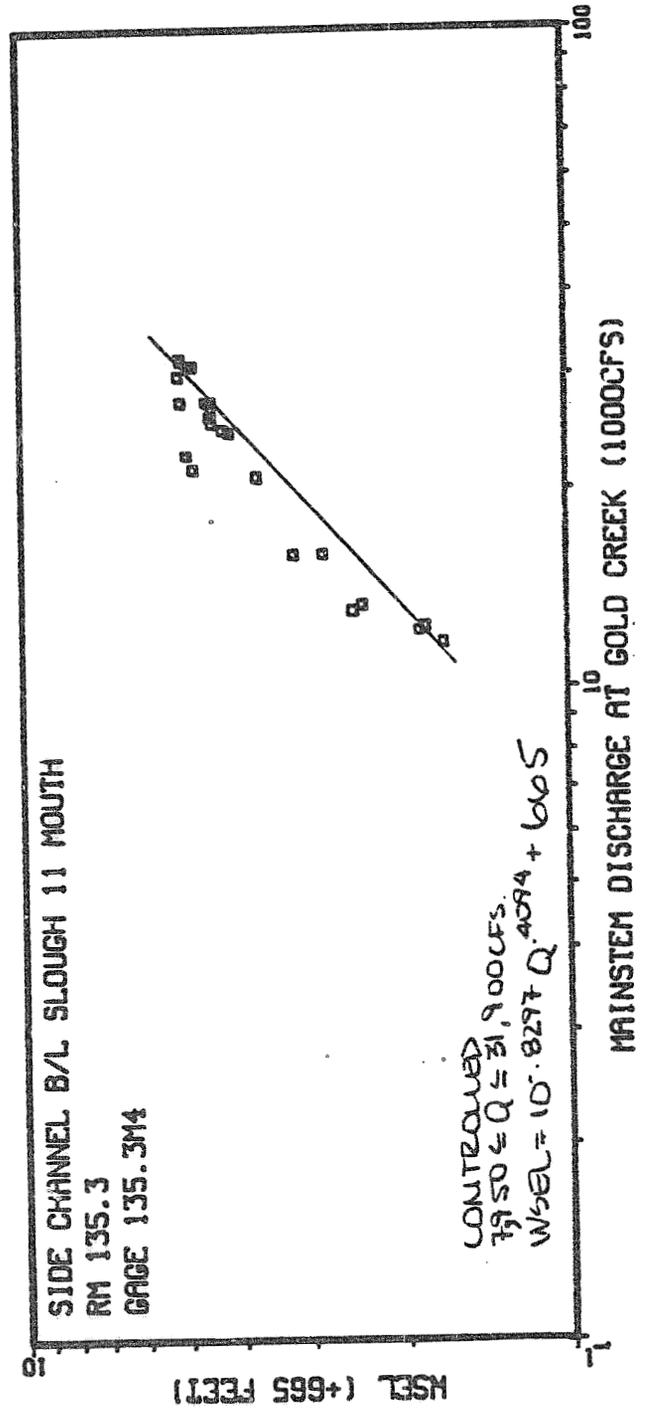
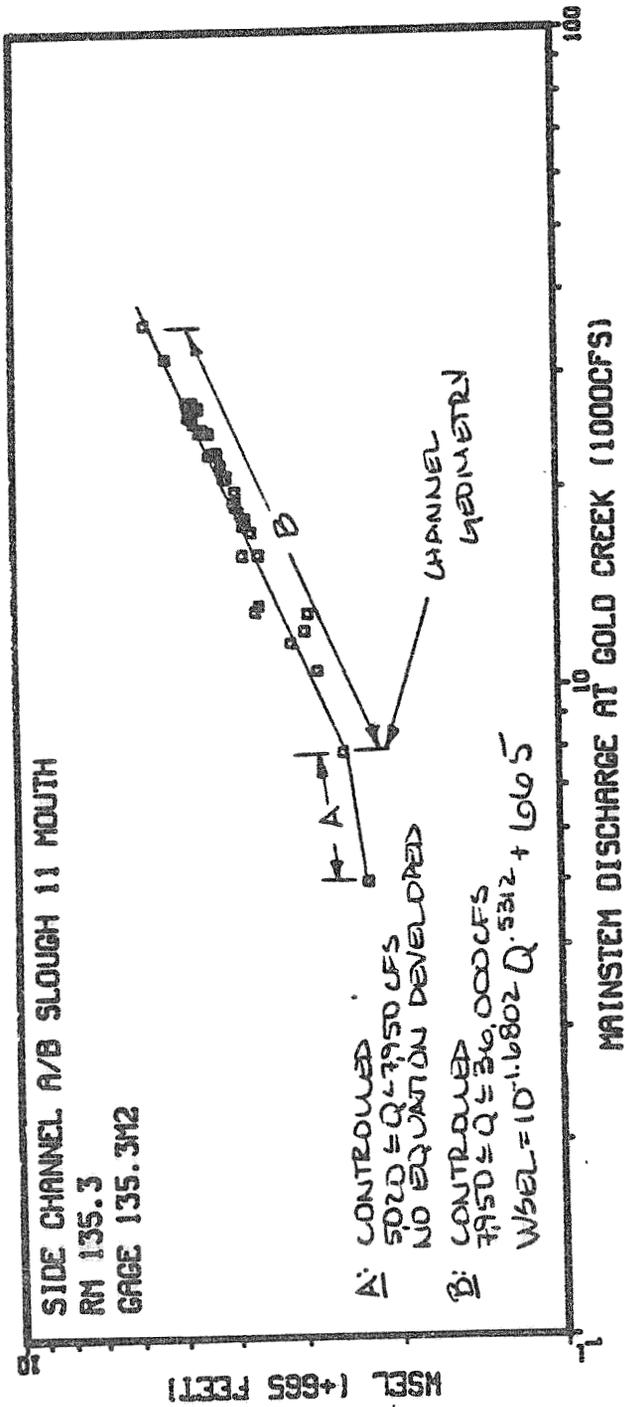


Figure 1-A-41 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Side Channel below Slough 11 mouth and Side Channel above Slough 11 mouth.

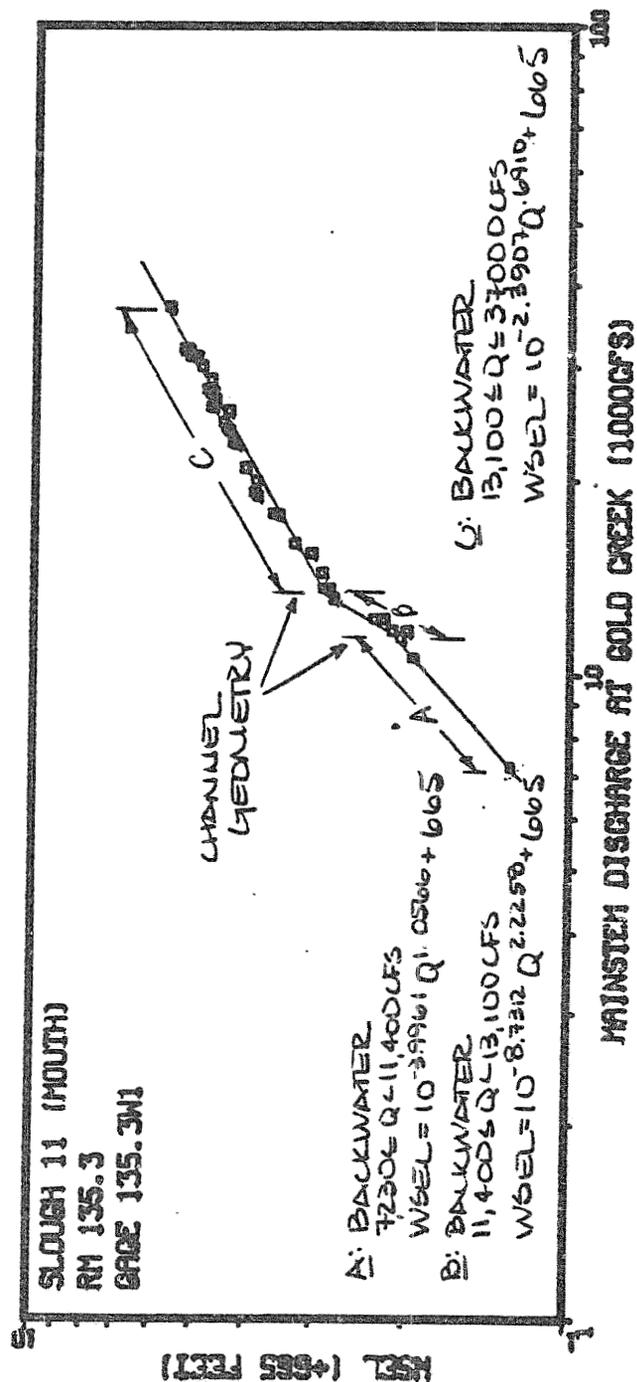
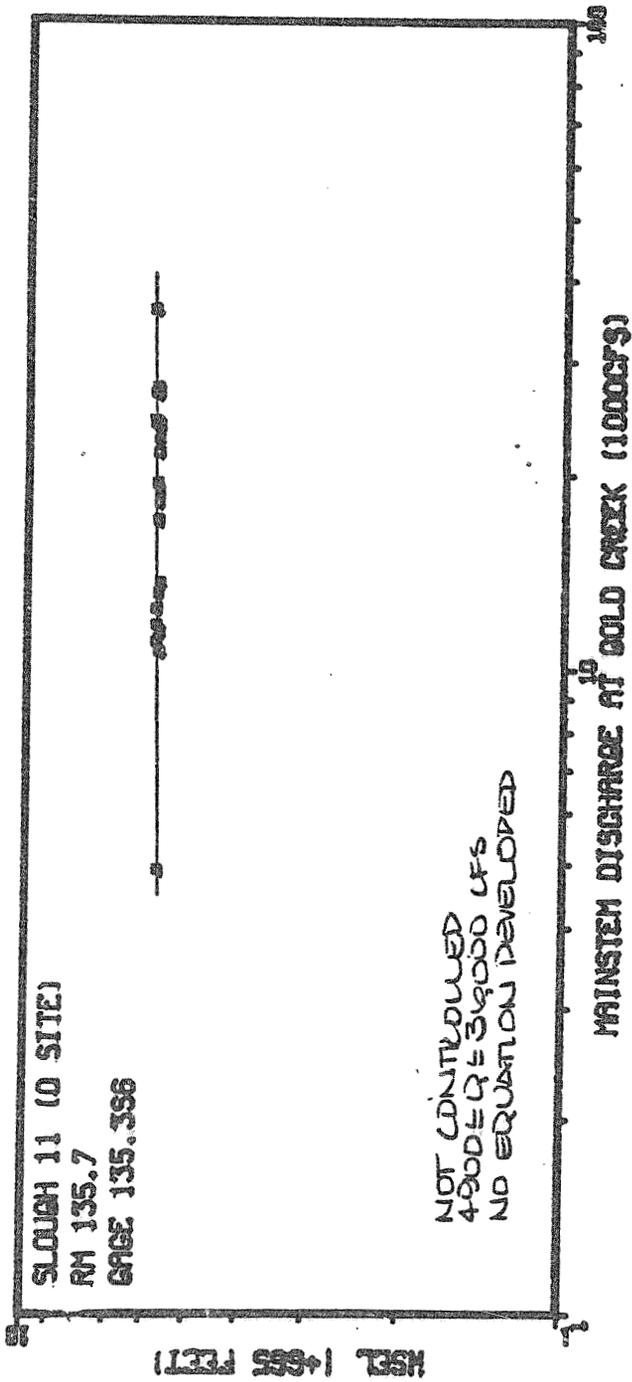


Figure 1-A-42 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 11 mouth and discharge site.

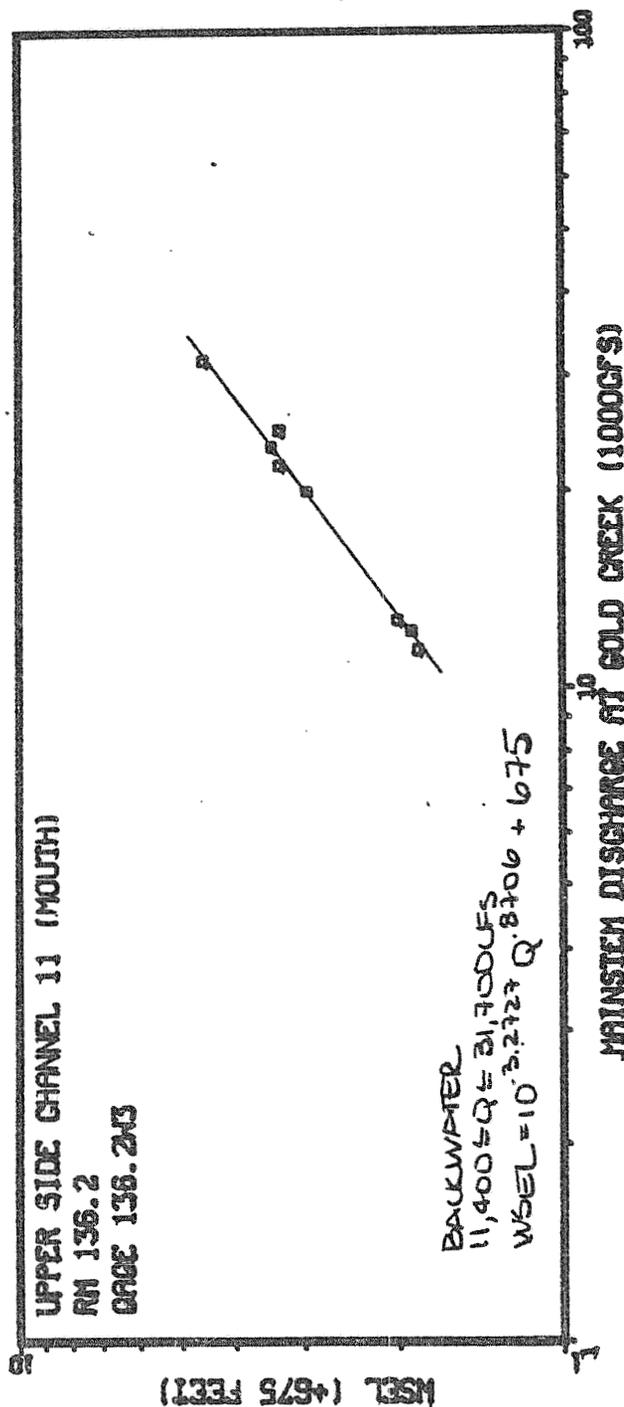
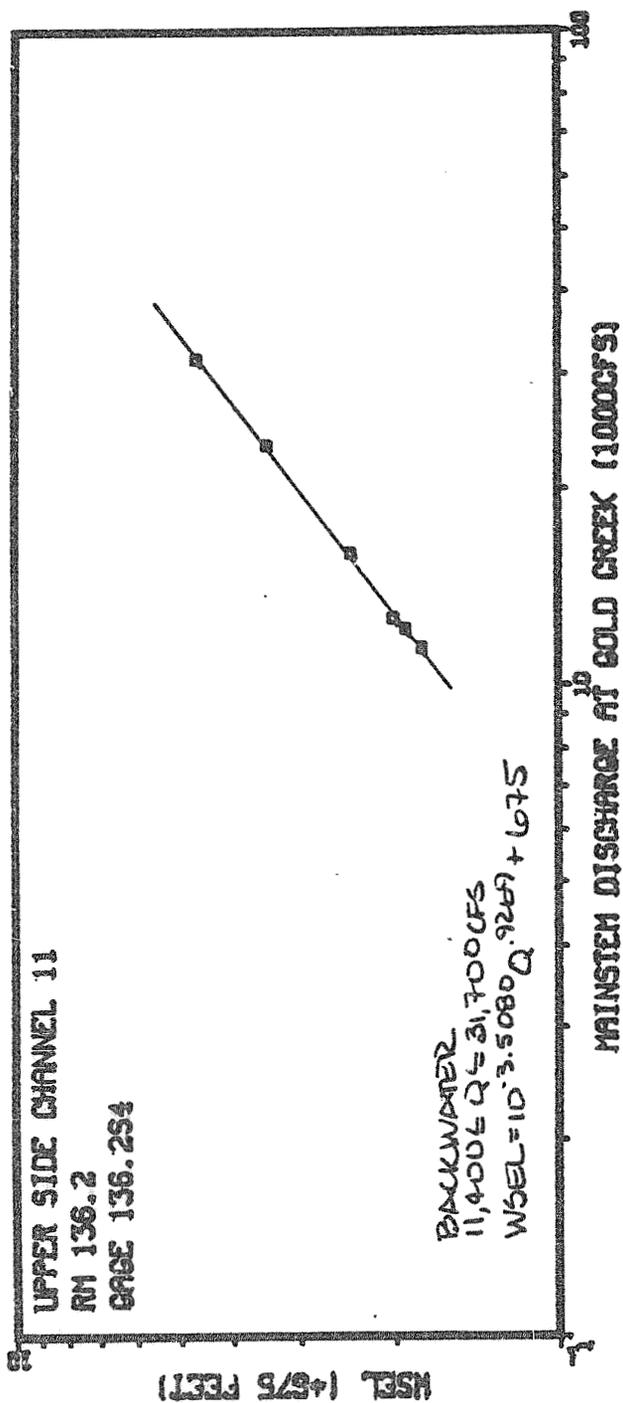


Figure 1-A-43 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Upper Side Channel 11 mouth and physical habitat modeling cross section 2 (136.254).

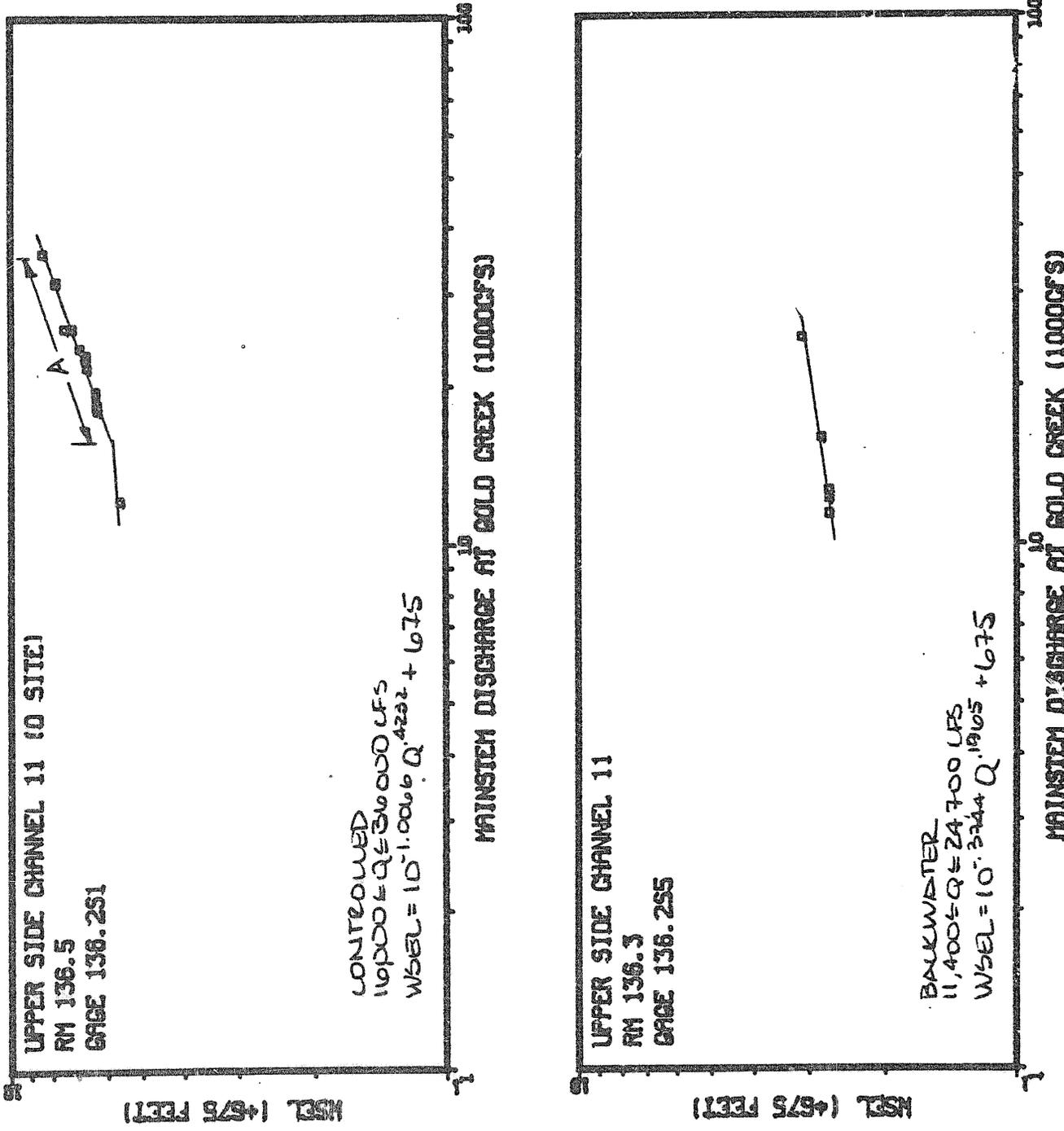


Figure 1-A-44 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Upper Side Channel 11 physical habitat modeling cross section 3 (136.255) and discharge site.

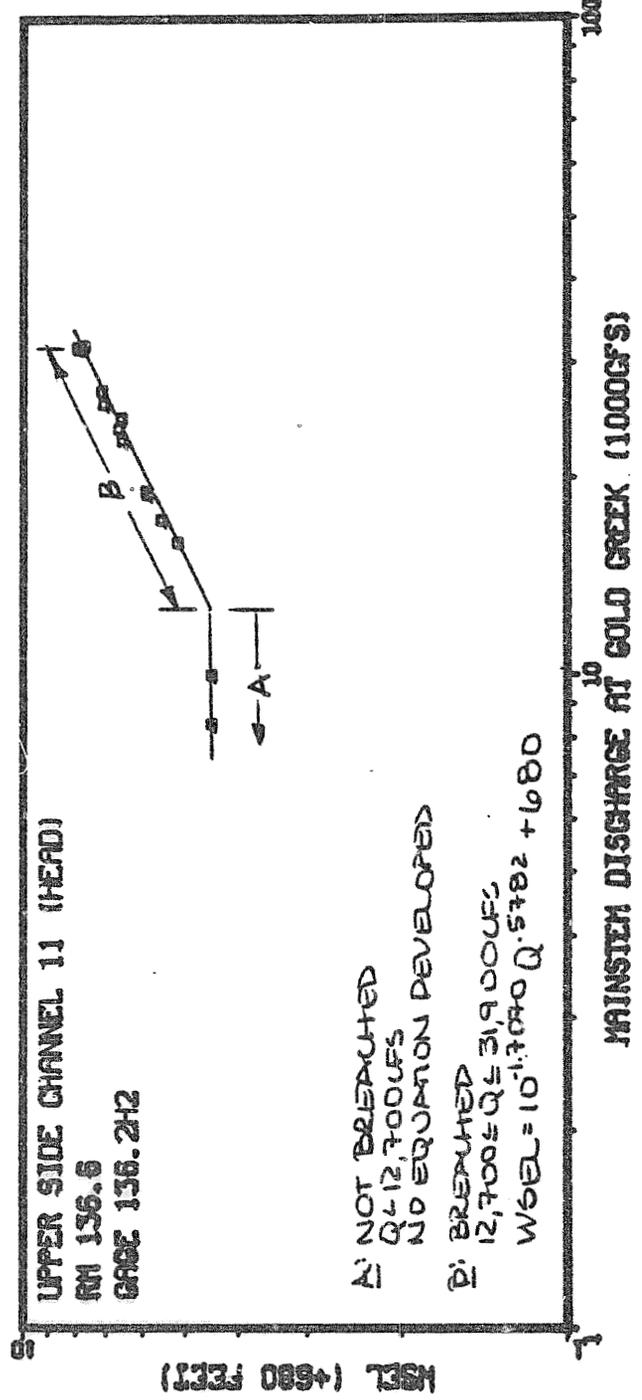
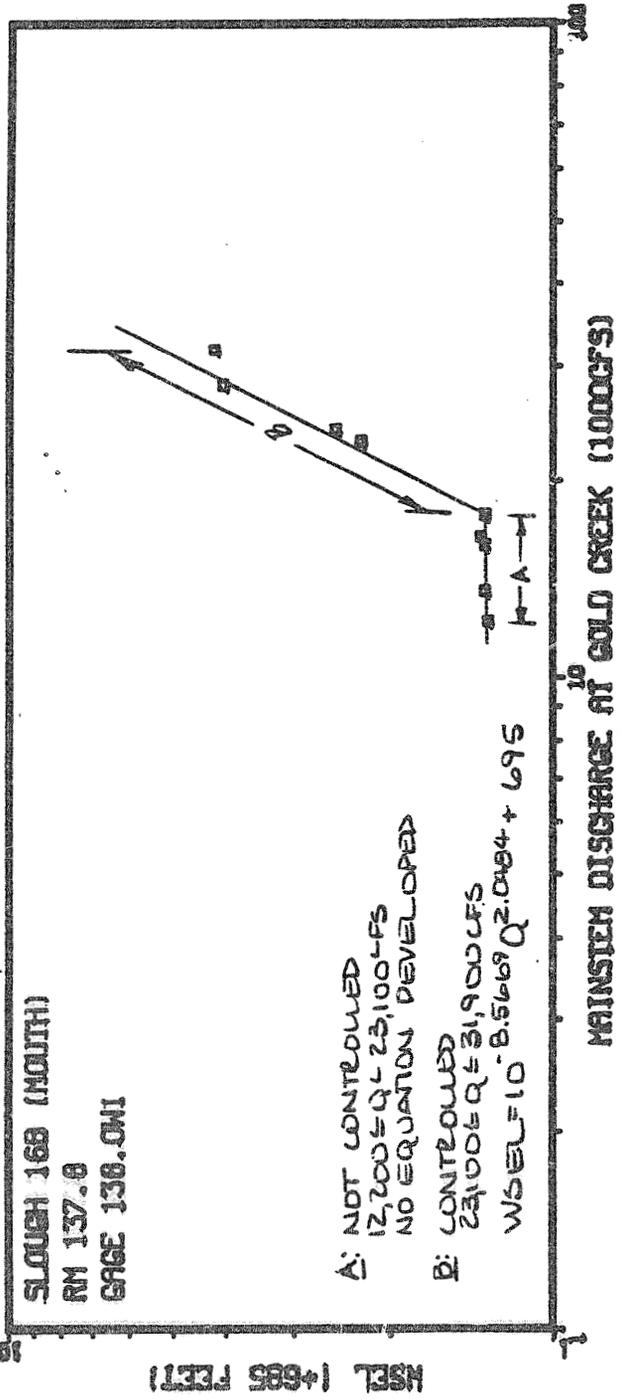


Figure 1-A-45 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Upper Side Channel 11 head and Slough 16B mouth.

1-A-204

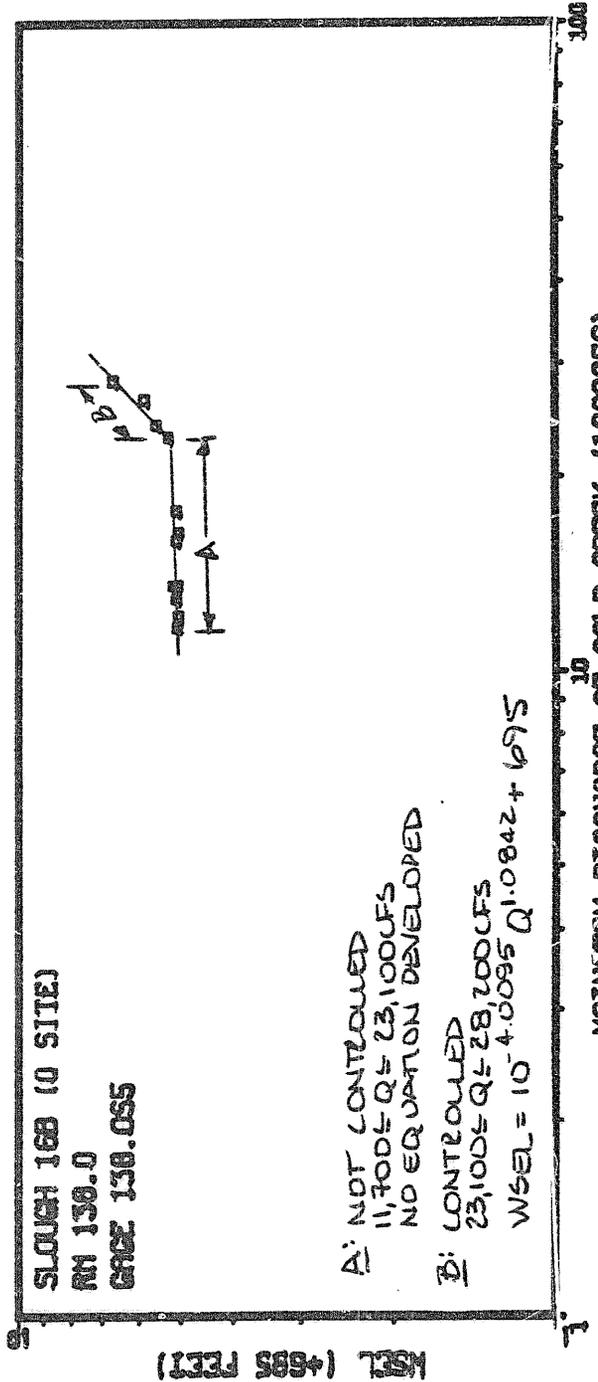
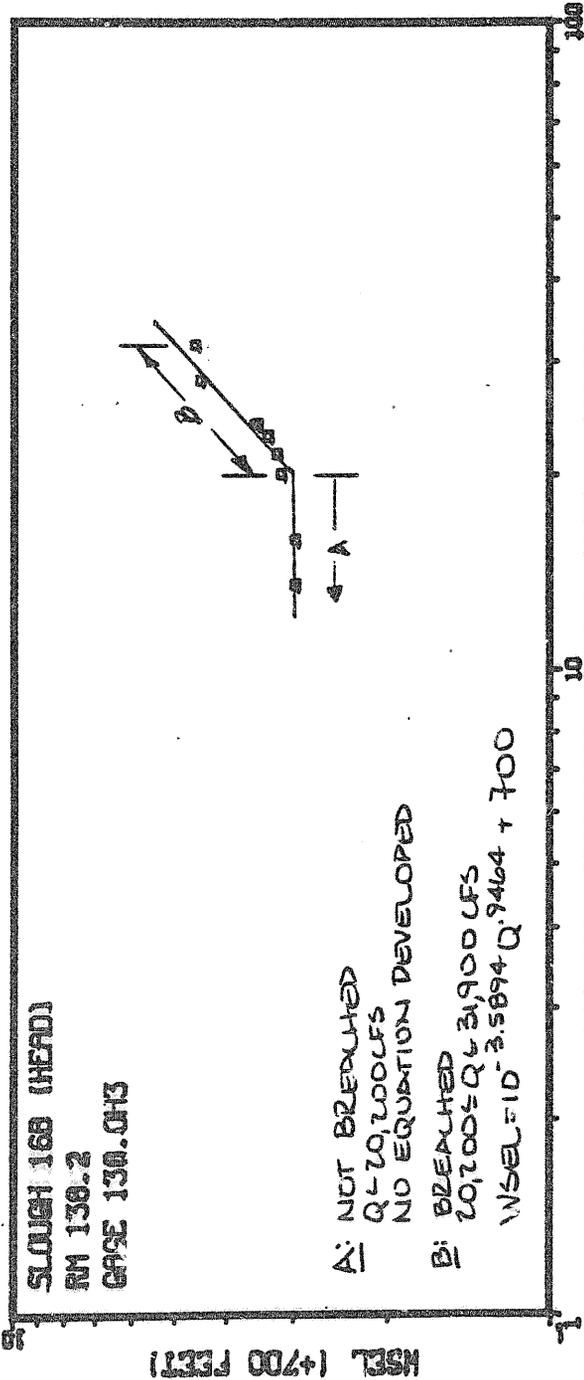


Figure 1-A-46 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 16B discharge site and head.

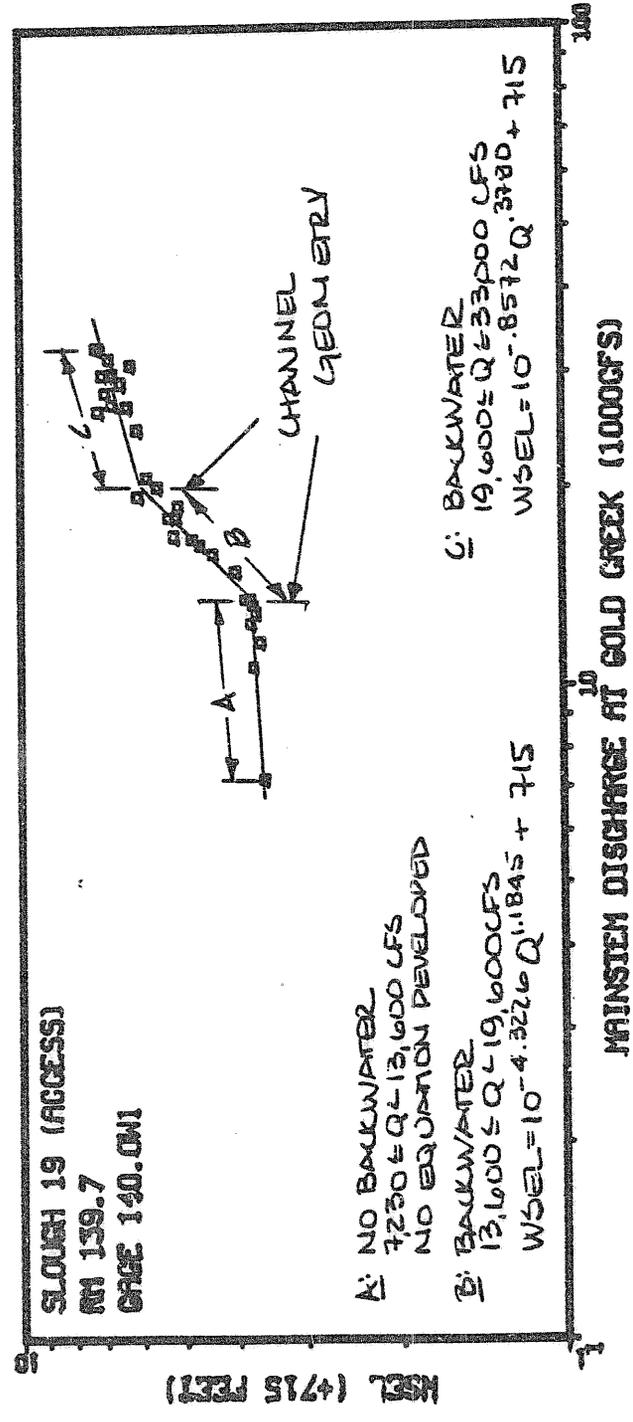
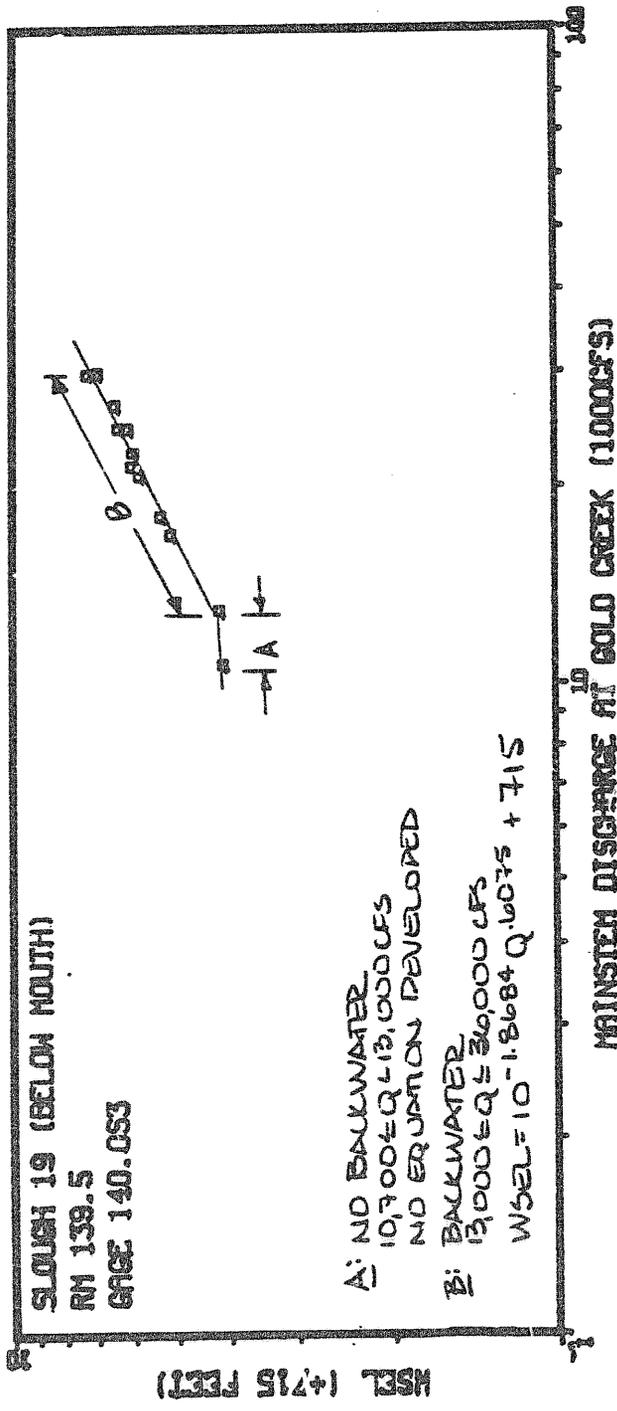


Figure 1-A-47 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 19 access and below mouth.

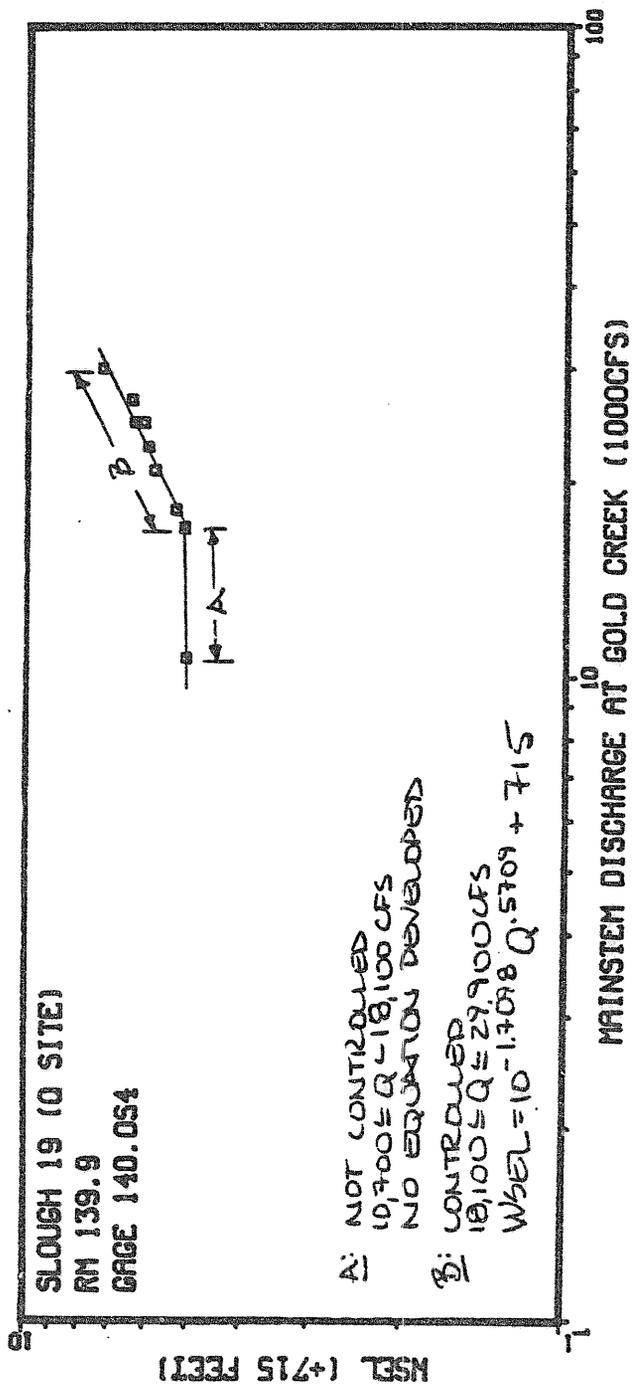
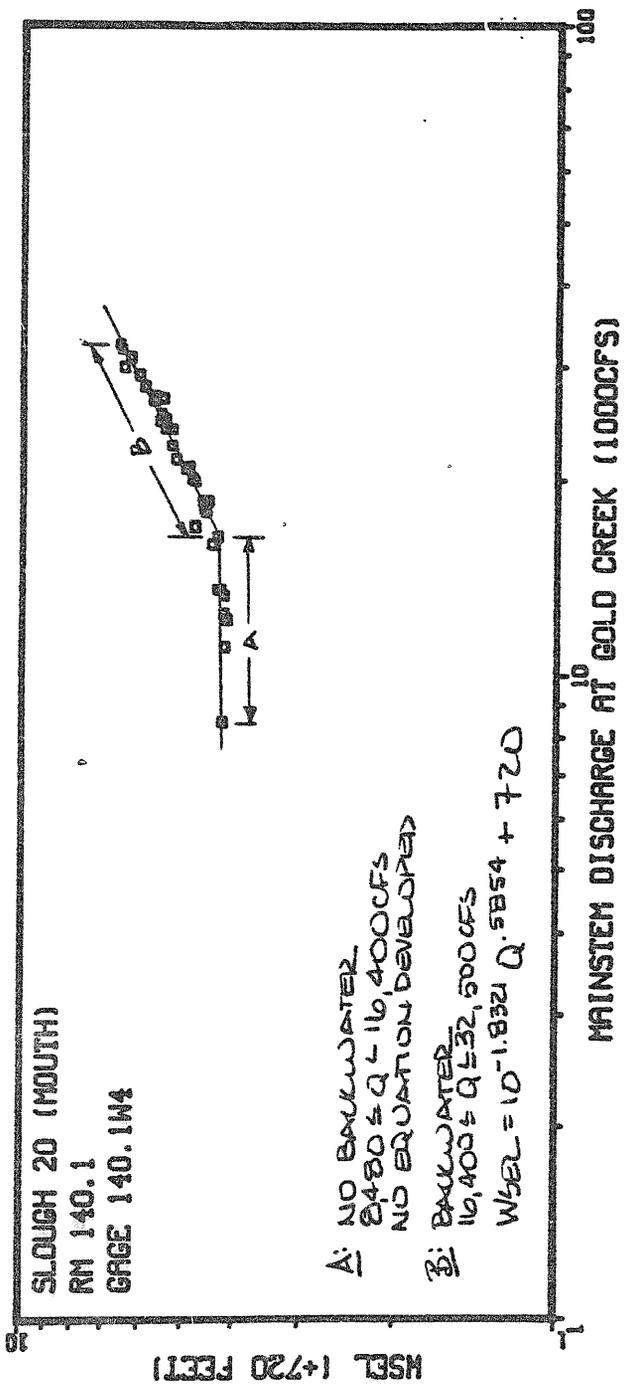


Figure 1-A-48 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 19 discharge site and Slough 20 mouth.

1-A-207

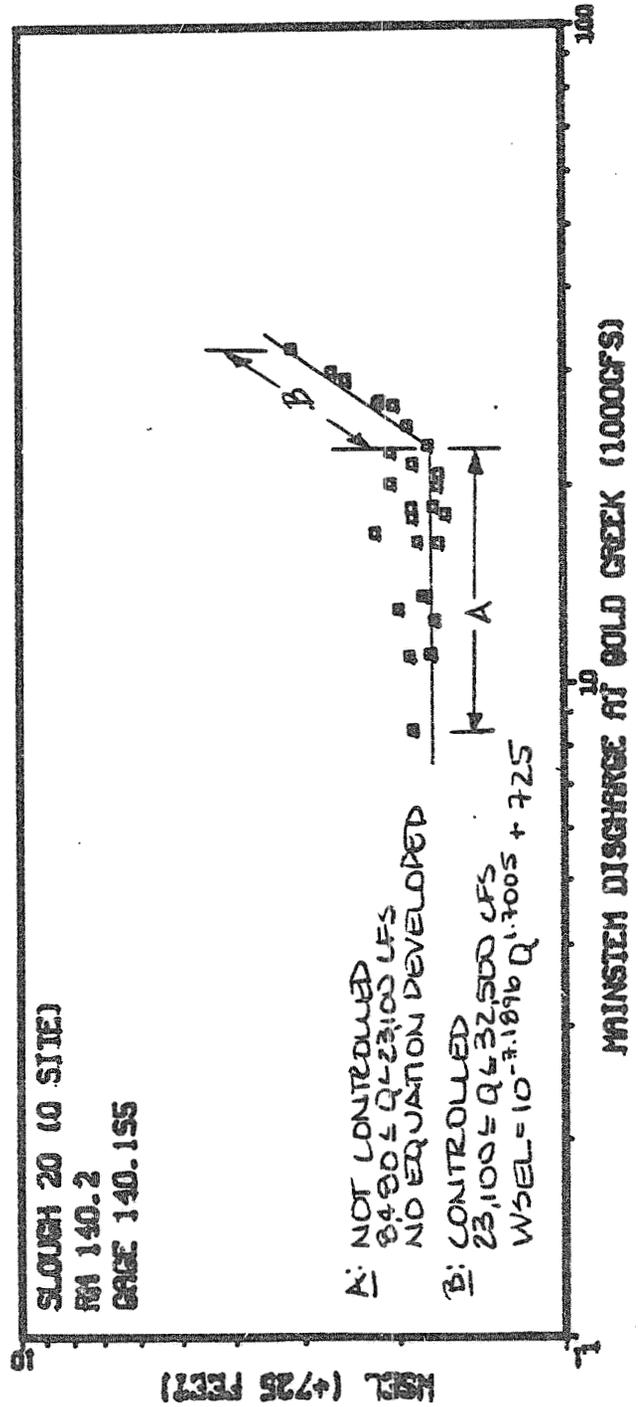
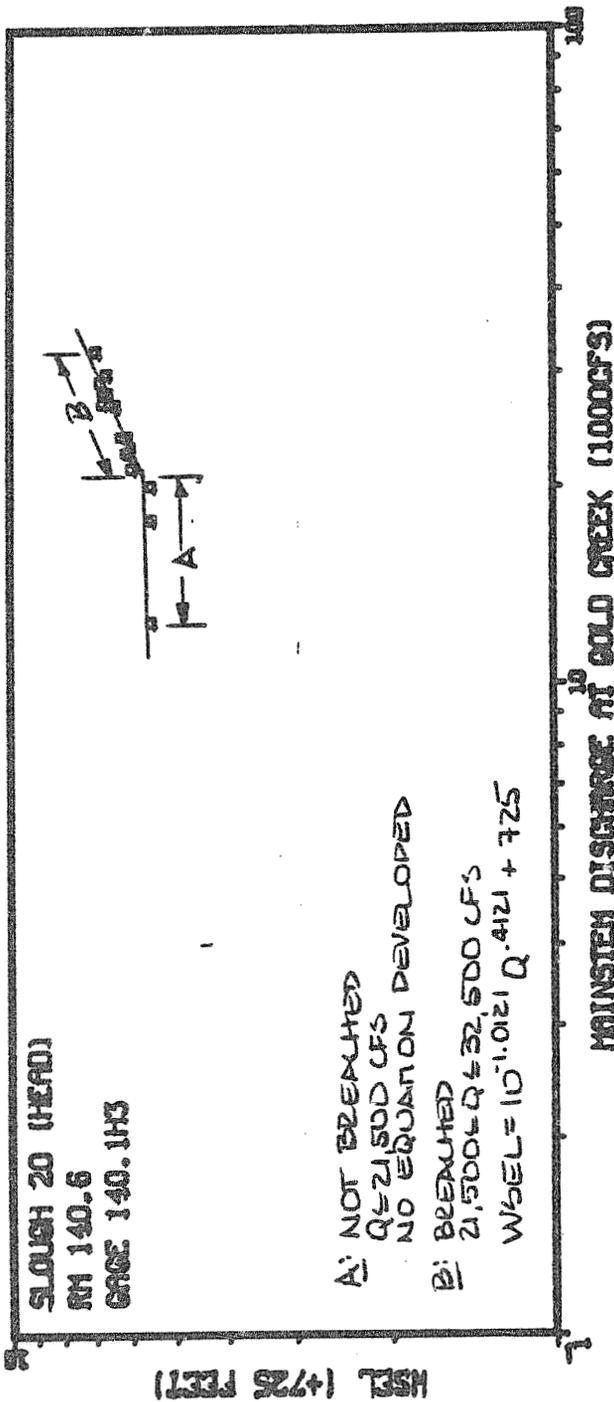


Figure 1-A-49 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 20 discharge site and head.

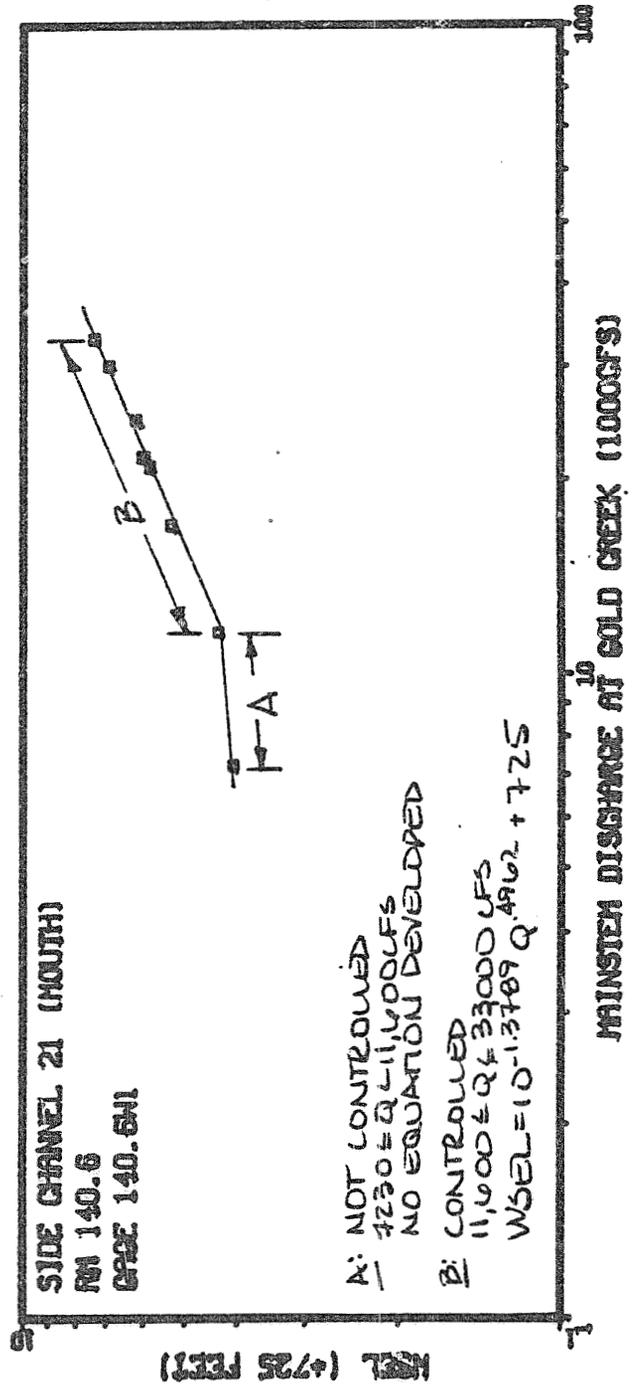
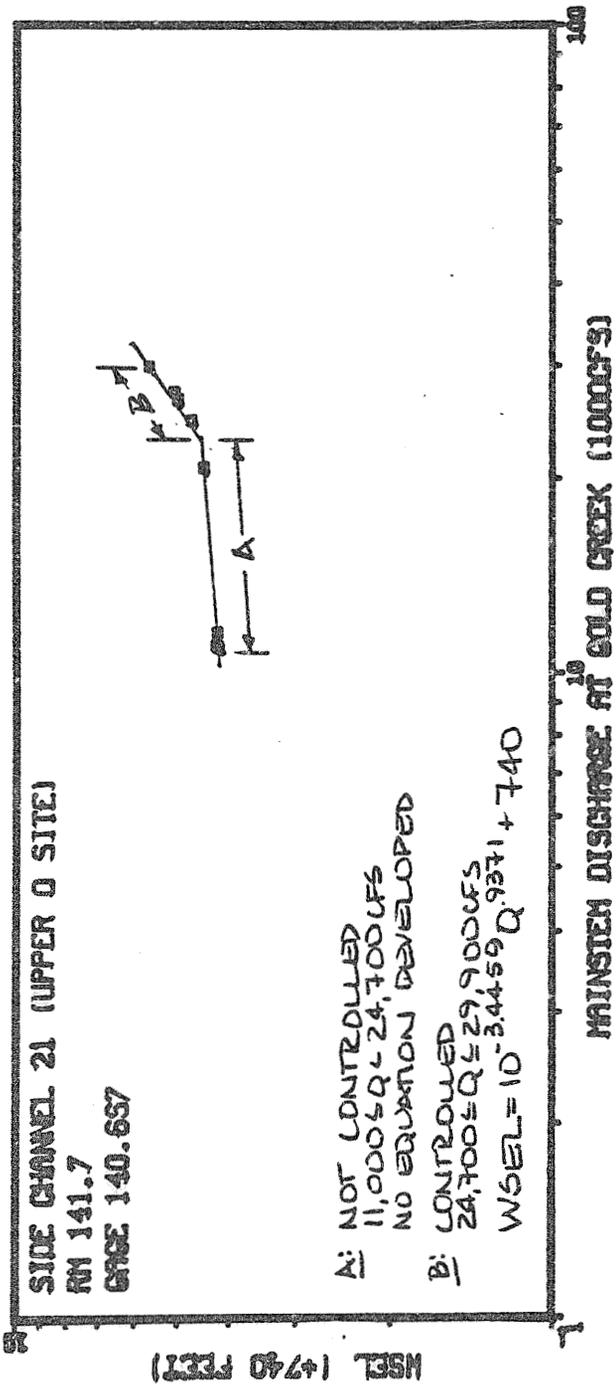


Figure 1-A-50 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Side Channel 21 mouth and Upper discharge site.

1-A-209

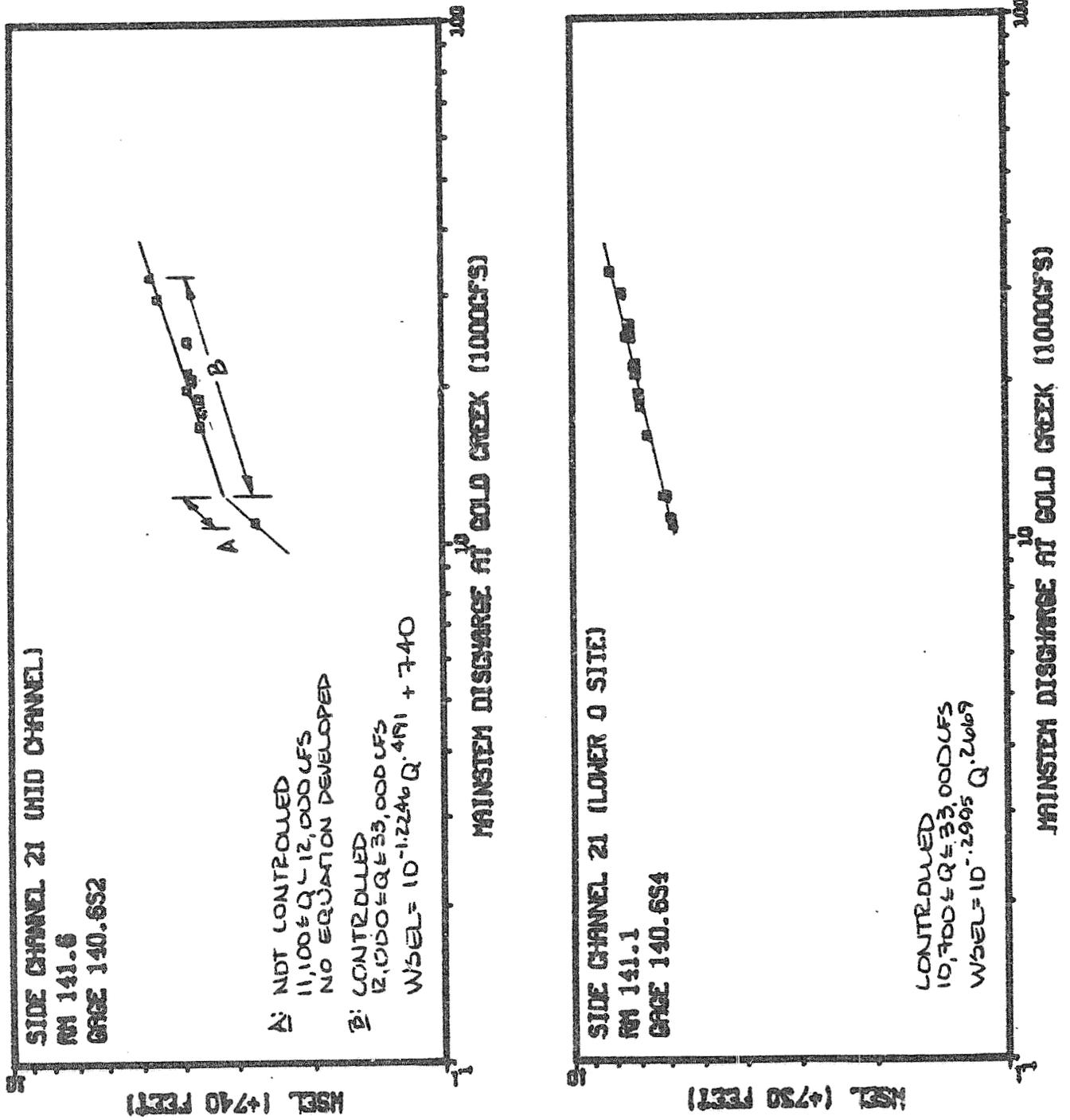


Figure 1-A-51 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Side Channel 21 Lower discharge site and mid channel.

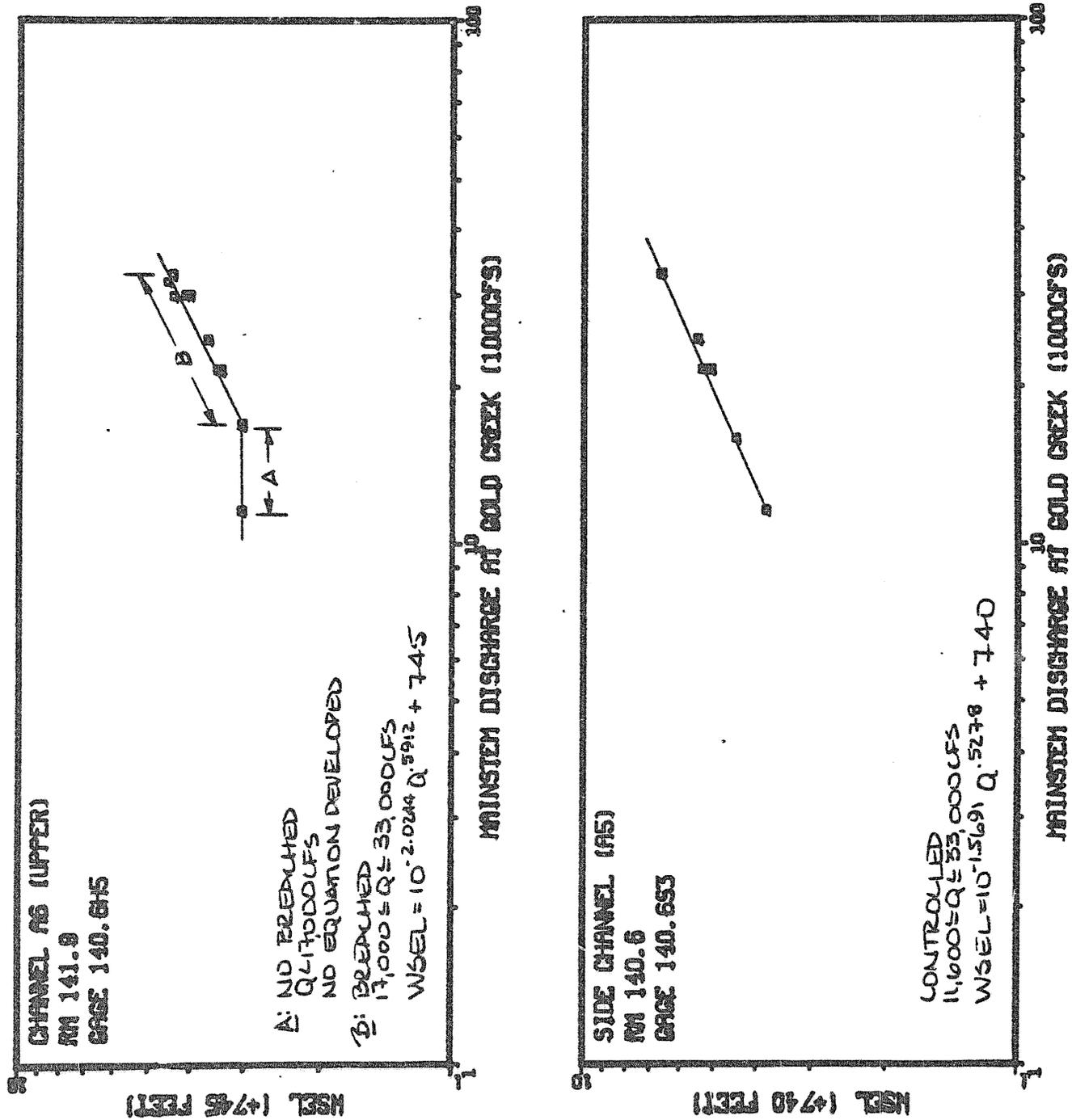


Figure 1-A-52 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Side Channels A5 and A6 Upper.

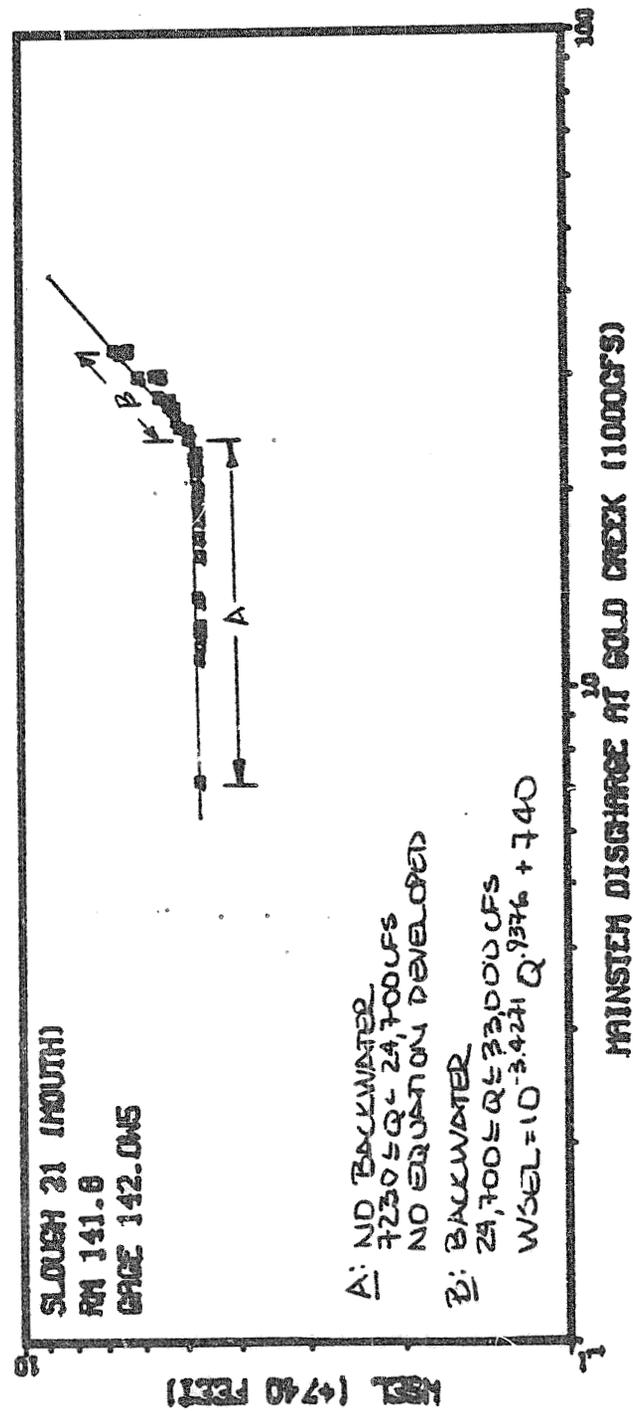
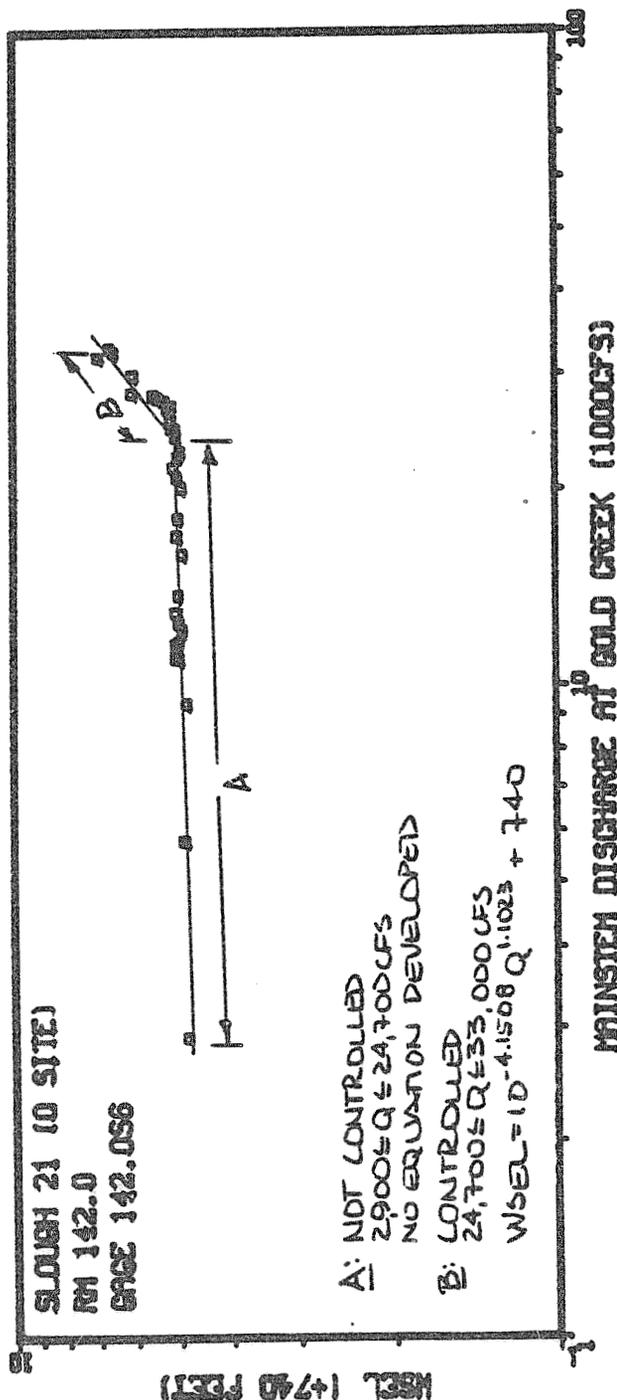


Figure 1-A-53 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 21 mouth and discharge site.

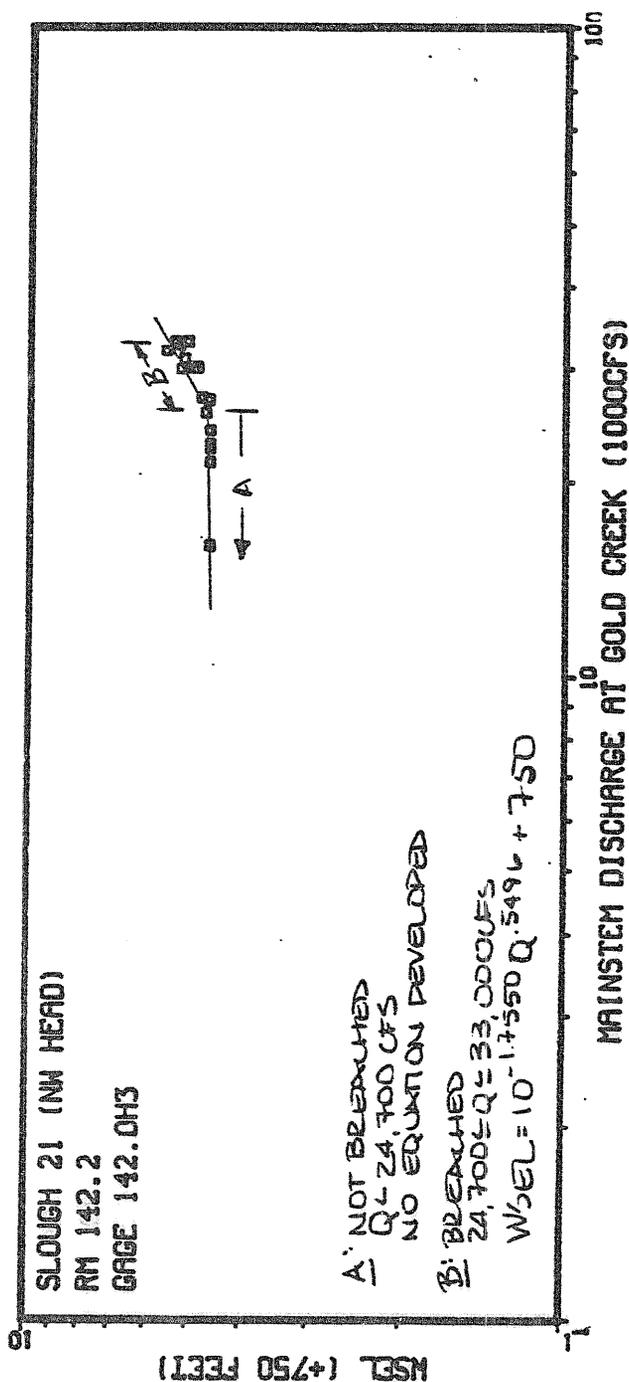
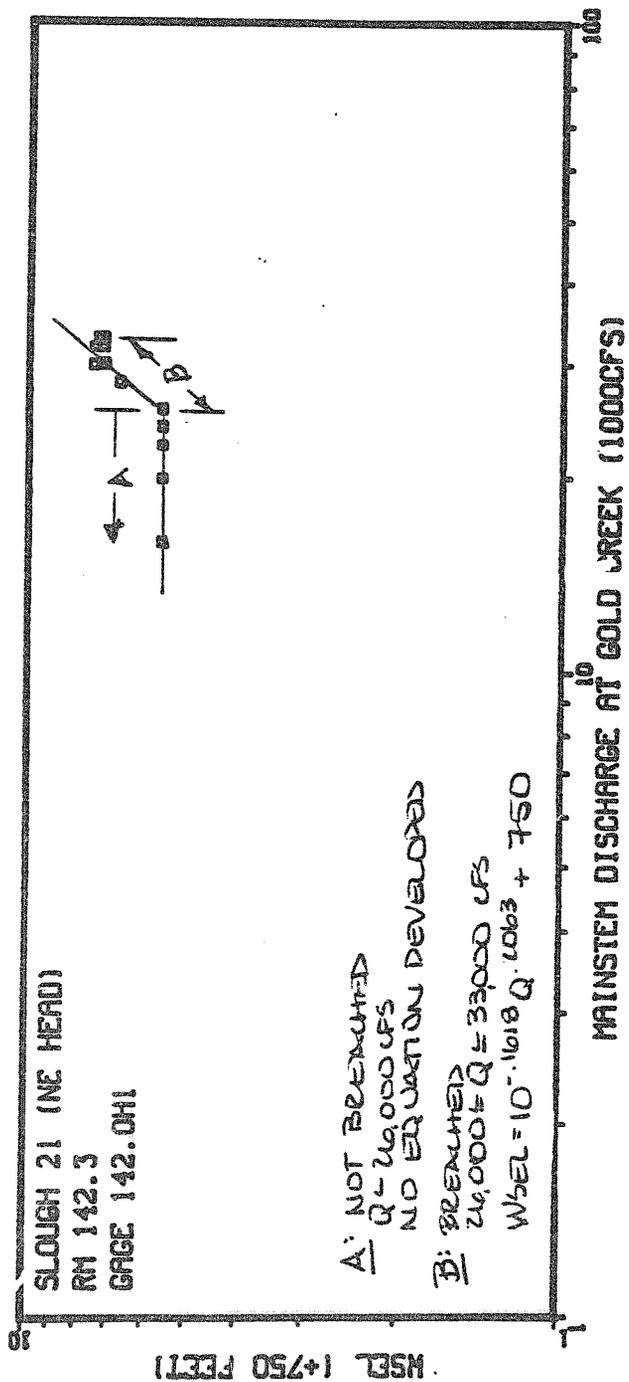


Figure 1-A-54 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 21 NW head and NE head.

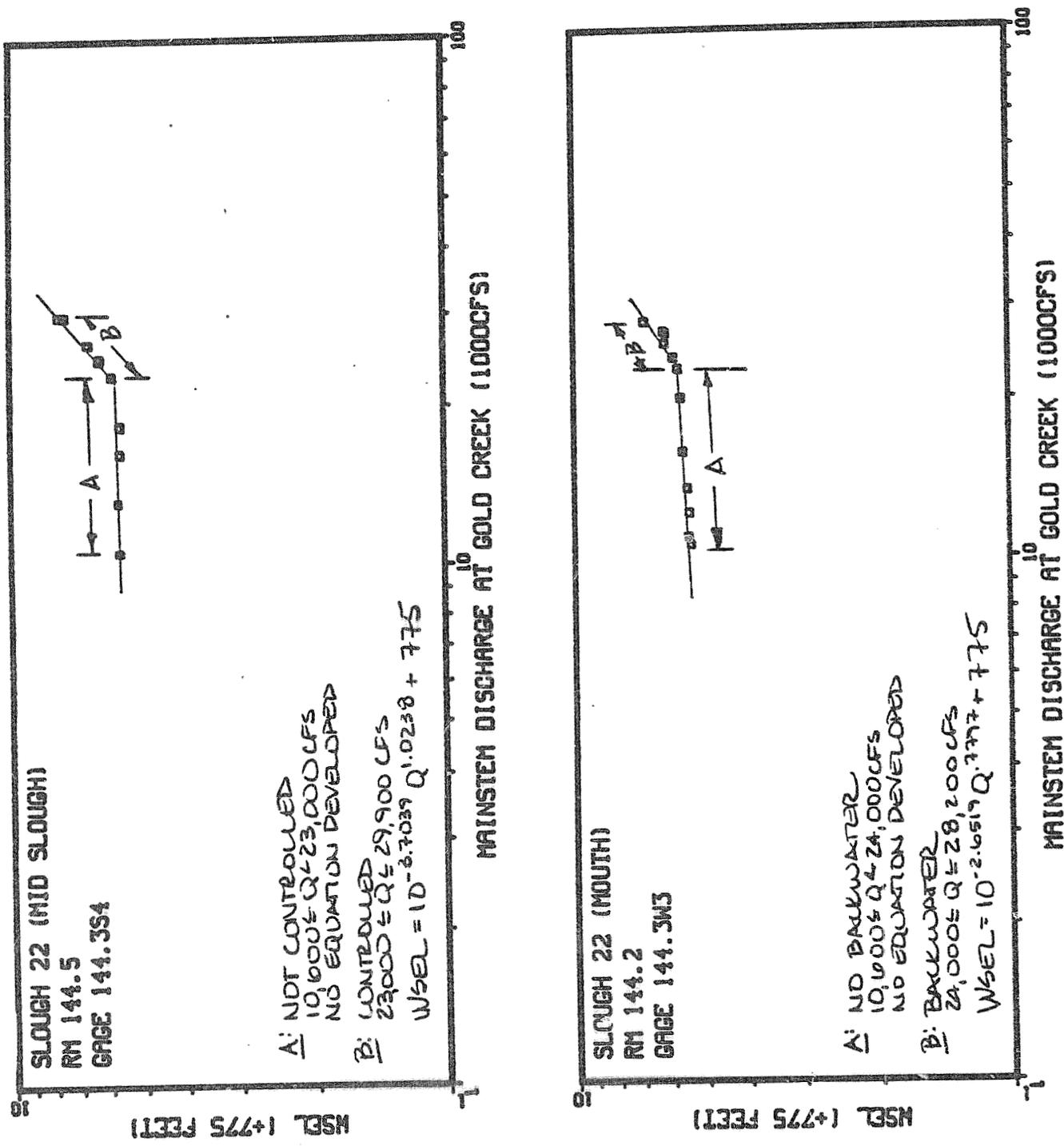


Figure 1-A-55 Mainstem discharge (Provisional USGS 1983) versus the water surface elevation at Slough 22 mouth and mid slough.

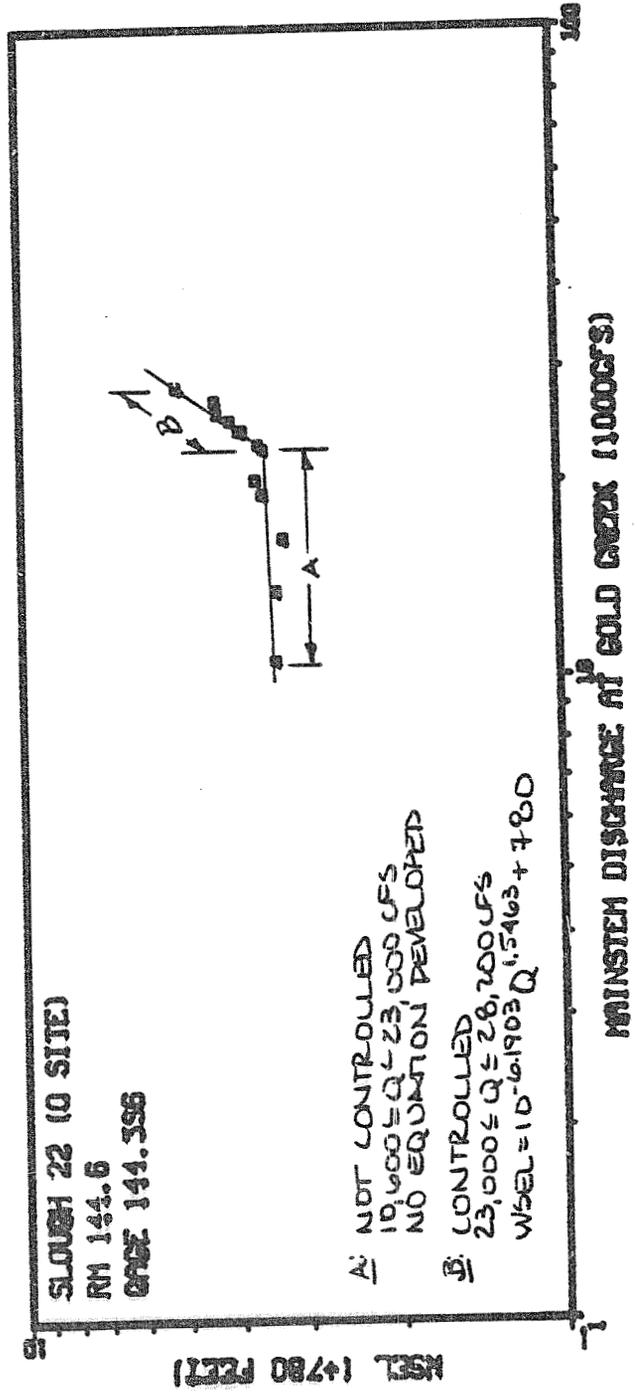
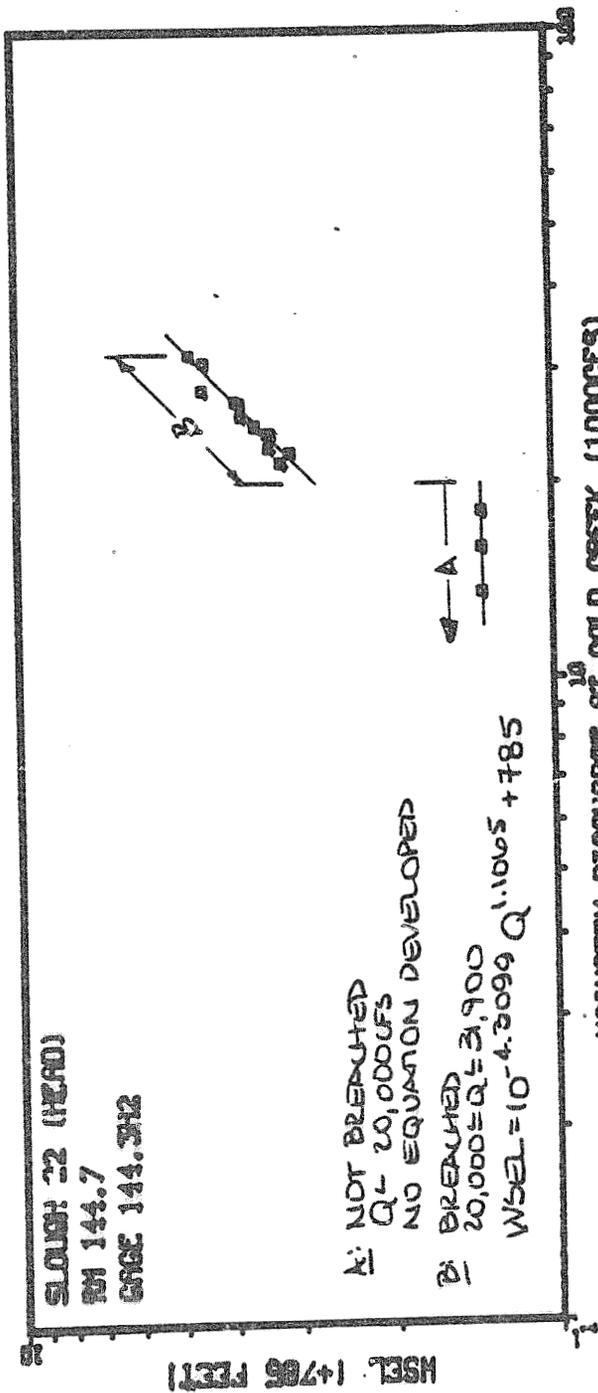


Figure 1-A-56 Mainstem discharge (Provisional USGS 1963) versus the water surface elevation at Slough 22 discharge site and head.