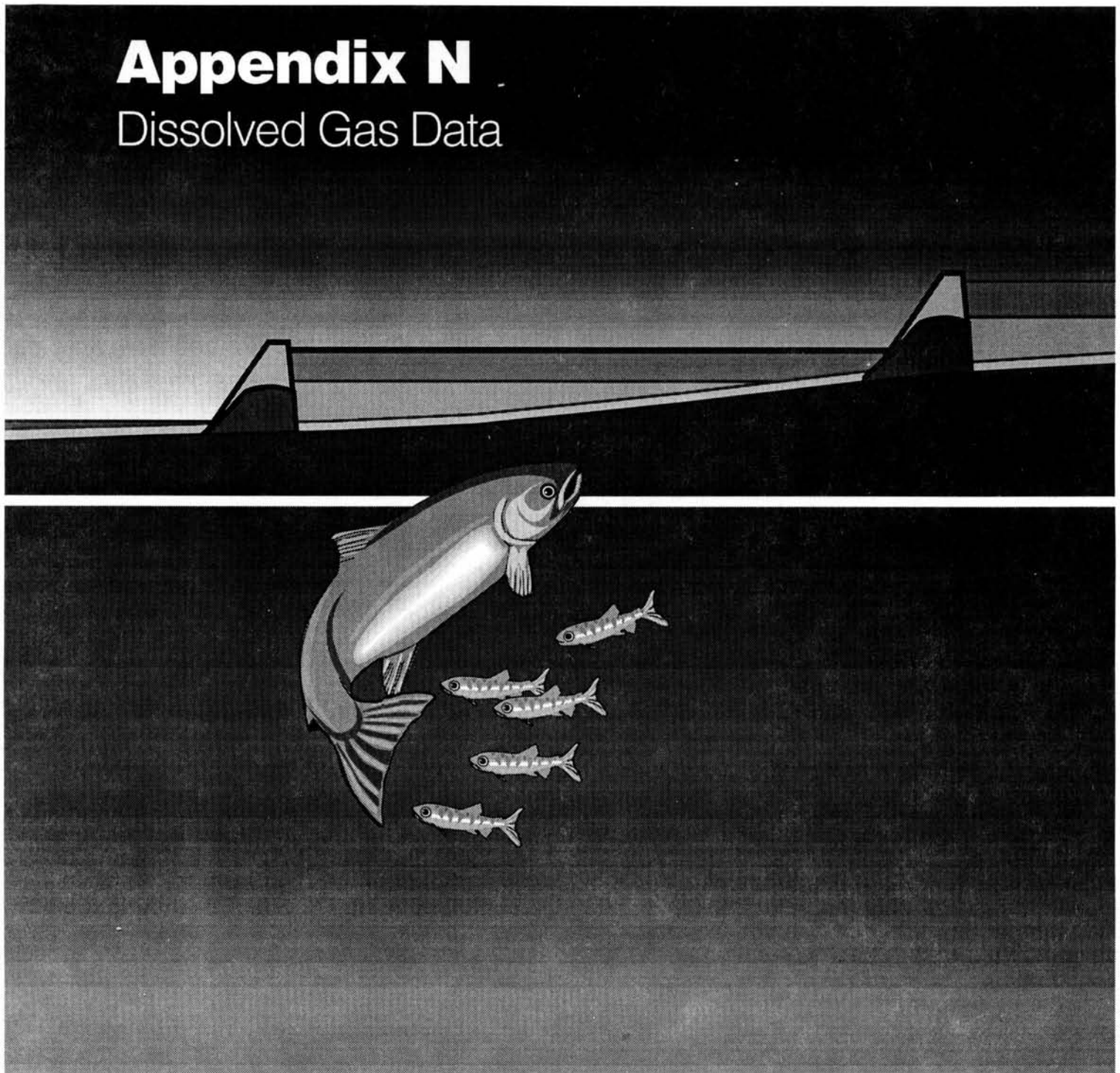
US Army Corps
of Engineers
Walla Walla District

1992 Reservoir Drawdown Test

Lower Granite and Little Goose Dams

Appendix N

Dissolved Gas Data



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APPENDIX N

DISSOLVED GAS DATA

1992 Reservoir Drawdown Test

Lower Granite and Little Goose Dams

Sarah J. Wik
Walla Walla District
U.S. Army Corps of Engineers

APPENDIX N

1992 RESERVOIR DRAWDOWN TEST
LOWER GRANITE AND LITTLE GOOSE DAMS

DISSOLVED GAS DATA

Dissolved gas supersaturation data were obtained from several locations during the spill tests conducted in March 1992. This appendix contains a summary of all the data collected immediately below Lower Granite Dam, from both mobile and stationary instruments. Measurements were made approximately one-half mile downstream of the dam ("upstream" and "north shore" headings in the table) and approximately four miles downstream of the dam ("downstream" heading). At both locations, transects were made across the river: "north", "center", and "south", and dissolved gas supersaturation readings were taken at the surface and at a depth of approximately ten to fifteen feet ("deep"). A stationary instrument operated continuously on the north shore, approximately one-half mile below the dam ("north shore"). The "all" columns in the tables are simply a summary of the transect data from each depth and location. All dissolved gas supersaturation data are in percentages. Dissolved oxygen pressures are in millimeters mercury. The tables also include barometric pressure (millimeters mercury), and amount of spill and powerhouse flows (in thousand feet per cubic second, KCFS). The barometric pressure was taken with each of the mobile instruments, however, the pressure recorded in the table is from the instrument used for the deep, "upstream" site. Other barometric pressures, upon which the supersaturation data were based, varied slightly. Forebay and tailwater elevations, feet above mean sea level, along with the head (difference between the two) are also recorded.

Dissolved gas measurements were also made with stationary instruments in the forebay and tailwaters of Little Goose Dam. However, these data are not included since the forebay instrument was malfunctioning most of the test period, and no transects were made with which to compare the tailwater instrument.

All raw data sheets, and the data from the Little Goose Dam instruments are kept on file at the Walla Walla District, U.S. Army Corps of Engineers (Planning Division).

MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH					DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	FORE-BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
0											100.9	743		705.02	637.28	67.74										
1												743														
2												743														
3												743														
4												743														
5												743														
6												743														
7												743														
8												743														
9												743														
10												743														
11												743														
12												743														
13												743														
14												743														
15											100.7	743		705.43	636.11	69.32										
16												743														
17												743														
18												743														
19												743														
20												743	28.45													
21												743	28.45													
22												743	28.45													
23												743	28.45													
24												743	28.45													
25												743	28.45													
26												743	28.45													
27												743	28.45													
28												743	28.45													
29												743	28.45													
30											100.8	743	28.45	705.19	637.02	68.17										
31												743	28.45													
32												743	28.45													
33												743	28.45													
34												743	28.45													
35												743	28.45													
36												743	28.45													
37												743	28.45				104.1	104.1			158	101.8	101.8			154
38												743	28.45													
39												743	28.45													
40												743	28.45													
41												743	28.45													
42												743	28.45													
43						102.1	102.1			156		743	28.45													
44												743	28.45				103.8									
45											100.8	743	28.45	705.13	636.85	68.28	103.7		103.7		157	102.4		102.4		150
46												743	28.45				103.6									
47												743	28.45				103.6									
48	104.5	104.5			95							743	28.45				103.5									

	MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)																									
TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
49												743	28.45				102.9									
50												743	28.45				102.9									
51												743	28.45				103.1									
52												743	28.45				103.2									
53												743	28.45				102.9									
54												743	28.45				103									
55												743	28.45				102.9			102.9	154	102.2			102.2	150
56												743	28.45				103									
57												743	28.45				102.9									
58												743	28.45				102.8									
59												743	28.45				102.8									
60											102.3	743	28.45	705.11	636.32	68.79	102.7									
61						109.9		109.9		162		743	28.45				102.7									
62	111.6		111.6		136							743	28.45				102.8									
63												743	28.45				102.7									
64												743	28.45				102.7									
65												743	28.45				102.7									
66												743	28.45				102									
67												743	28.45				102.1									
68												743	28.45				102.2									
69												743	28.45				102.8									
70												743	28.45				102.8									
71												743	28.45				102.6									
72												743	28.45				102.7									
73												743	28.45				102.7									
74												743	28.45				102.7									
75											103.5	743	28.45	705.13	636.61	68.52	102.7									
76	108.9			108.9	145	108.3			108.3	159		743	28.45				102.5			102.5	150					
77												743	28.45				102.6					102.2			102.2	150
78												743	28.45				102.6									
79												743	28.45				102.1									
80												743	28.45				102									
81												743	28.45				102.1									
82												743	28.45				102.6									
83												743	28.45				102.3									
84												743	28.45				102.6									
85												743	28.45				102.6									
86												743	28.45				102.5									
87												743	28.45				102.5									
88												743	28.45				102.6		102.5		149	103.5		103.5		147
89												743	28.45				102.6									
90											104.6	743	28.45	705.08	637.08	68	102.4									
91												743	28.45				102									
92	114.1			114.1	151	113			113	174		743	28.45				102.4									
93												743	28.45				102.6									
94												743	28.45				102.6									
95												743	28.45				102.5									
96												743	28.45				102.5									
97												743	28.45				102.3									

MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
98												743	28.45				102.4									
99												743	28.45				102.5									
100												743	28.45				102.4									
101												743	28.45				102.4									
102												743	28.45				102.3									
103												743	28.45				102.4									
104	115.1		115.1		160	114.1		114.1		178		743	28.45				102.5									
105											106.3	743	28.45	705.1	636.89	68.21	102.3	102.3			153					
106												743	28.45				102.5									
107												743	28.45				102.4									
108												743	28.45				101.6									
109												743	28.45				101.2									
110												743	28.45				100.8									
111												743	28.45				100.4									
112												743	28.45				100.2									
113												743	28.45				100.1									
114												743	28.45				100.1									
115												743	28.45				100									
116												743	28.45				100									
117												743	28.45				99.9									
118						111.5	111.5			167		743	28.45				99.9									
119	112	112			145							743	28.45				99.9									
120											107.5	743	28.45	705.15	636.43	68.72	99.9									
121												743	28.45				100.8									
122												743	28.45				100.3									
123												743	28.45				100.3									
124												743	28.45				100.2									
125												743	28.45				100.1									
126												743	28.45				100.7									
127												743	28.45				101									
128												743	28.45				101.3									
129	115.1		115.1		147	114.3		114.3		177		743	28.45				101.5									
130												743	28.45				101.6									
131												743	28.45				101.8									
132												743	28.45				101.9									
133												743	28.45				101.9									
134												743	28.45				101.7									
135											108.3	743	28.45	705.11	636.91	68.2	102.2									
136						114.4			114.4	175		743	28.45				102.3									
137	115.2			115.2	149							743	28.45				102.3									
138												743	28.45				102.3									
139												743	28.45				102.3									
140												743	28.45				102.4		102.4		155	102.8		102.8		150
141												743	28.45				102.3									
142												743	28.45				102.3									
143												743	28.45				102.3									
144												743	28.45				101.9									
145												743	28.45				102.2									
146												743	28.45				102.7									

	MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)																									
TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
147												743	28.45				102.6									
148												743	28.45				102.6									
149												743	28.45				102.5									
150											110.3	743	108.26	704.37	638.02	66.35	102.5									
151												743	108.20419				102.5									
152												743	108.14838				102.4									
153												743	108.09257				101.9									
154												743	108.03676				102.5									
155												743	107.98095				107.5			102.5	155	103.1			103.1	152
156												743	107.92514				102.1									
157												743	107.86933				102.4									
158												743	107.81352				102.3									
159												743	107.75771													
160												743	107.7019													
161												743	107.6461													
162												743	107.59029				102.3									
163												743	107.53448				102.3									
164												743	107.47867				102.4									
165											120.4	743	107.42286	704.22	637.82	66.4	102.5			102.5	154	103			103	150
166												743	107.36705				102.2									
167						121.1			121.1	189		743	107.31124				102.3									
168												743	107.25543				102.8									
169	125			125	162							743	107.19962				102.9									
170												743	107.14381				102.8									
171												743	107.088				102.7									
172												743	107.03219				102.7									
173												743	106.97638				102.6									
174												743	106.92057				102.5									
175												743	106.86476				102.5									
176												743	106.80895				102.5									
177												743	106.75314				102.5									
178												743	106.69733				102.5									
179												743	106.64152				102.5									
180	126.6		126.6		147	123.8		123.8		194	123.3	743	106.58571	704.19	636.83	67.36	102.5		102.5		154	102.6		102.6		149
181												743	106.5299				101.2									
182												743	106.4741													
183												743	106.41829													
184												743	106.36248				100.2									
185												743	106.30667				100.4									
186												743	106.25086				100.1									
187												743	106.19505				100.2									
188												743	106.13924				100.1									
189												743	106.08343				102.2									
190												743	106.02762				103									
191												743	105.97181				103.4									
192												743	105.916				103.8									
193	124.7	124.7			149	122.7	122.7			188		743	105.86019				104.1									
194												743	105.80438				104.2									
195											123.6	743	105.74857	703.92	637.25	66.67	104.4									

MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
196												743	105.69276				104.4									
197												743	105.63695				104.5									
198												743	105.58114				104.6									
199												743	105.52533				104.6									
200												743	105.46952				104.7	104.7			159	103.9	103.9			156
201												743	105.41371				104.6									
202												743	105.3579				104.6									
203												743	105.3021				104.5									
204						124.7		124.7		196		743	105.24629				104.5									
205	126.5		126.5		156							743	105.19048				104.5									
206												743	105.13467				104.5									
207												743	105.07886				104.5									
208												743	105.02305				104.6									
209												743	104.96724				104.6									
210											124.3	743	104.91143	703.73	637.74	65.99	104.7	104.6			158	105	105			156
211												743	104.85562				104.8									
212												743	104.79981				104.2									
213												743	104.744				103									
214												743	104.68819				102.8									
215												743	104.63238				103.6									
216												743	104.57657				105.6									
217						125			125	196		743	104.52076				107									
218	126.8			126.8	167							743	104.46495				108.2									
219												742	104.40914				109.2									
220												742	104.35333				109.9									
221												742	104.29752				110.7									
222												742	104.24171				111.2									
223												742	104.1859				111.6									
224												742	104.1301				112									
225											124.5	742	104.07429	703.57	637.3	66.27	112.3									
226												742	104.01848				112.6		112.7		175	113.2		113.2		172
227												742	103.96267				112.9									
228												742	103.90686				113.1									
229												742	103.85105				110.5									
230	126.4		126.4		173	124.9		124.9		192		742	103.79524				107.6									
231												742	103.73943				105.3									
232												742	103.68362				106.2									
233												742	103.62781				106.5									
234												742	103.572				106.7									
235												742	103.51619				106.8									
236												742	103.46038				107.1									
237												742	103.40457				107.5									
238												742	103.34876				108.1									
239												742	103.29295				108.7									
240											125	742	103.23714	703.31	637.06	66.25	109.1									
241	125.7	125.7			158							742	103.18133				109.9									
242						124.6	124.6			188		742	103.12552				110.7									
243												742	103.06971				111.3									
244												742	103.0139				111.8									

MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
245												742	102.9581				112.2									
246												742	102.90229				112.6									
247												742	102.84648				112.9									
248												742	102.79067				113.2									
249												742	102.73486				113.6									
250												742	102.67905				114.1									
251												742	102.62324				114.2									
252												742	102.56743				114.5									
253												742	102.51162				114.3									
254											125	742	102.45581				114.2									
255												742	102.4	703	637.06	65.94	114.1									
256												742	0				113.9									
257												742					110.5									
258	129		129		160							743					107.2									
259												743					105.1									
260												743					103.4		114.3		172	113.1		113.1		168
261												743					102.3									
262												743					107.6									
263												743					111.1									
264						124		124		191		743					113.9									
265												743					116									
266						125		125		196		743					117.7									
267												743					118.9									
268												743					120.1									
269												743					121.1									
270											124.7	743					121.9									
271												743					122.4									
272												743					122.7									
273	126.8			126.8	170							743					122.8									
274												743					122.7									
275												743					126.5	122.9			181	122.7	122.7			183
276												743					122.8									
277												743					121.7									
278												743					115.8									
279												743					110.7									
280												743					106.7									
281												743					111.7									
282												743					114.4									
283												743					116.1									
284												743					117.9									
285											124.7	743					119.5									
286												743					1209									
287												743					122.1									
288												743					123									
289												743					123.7									
290												743					124.3		124.5		194					
291												743					124.9					125.4		125.4		187
292												743					125.3									
293												743					119.1									

MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
294												743					113.1									
295												743					108.9									
296												743					106									
297												743					108									
298												743					111.7									
299												743					114.6									
300											124.4	743					116.5									
301												743					118									
302												743					119.2									
303												743					120.1									
304												743					120.9									
305												743					121									
306												743					122									
307												743					122.4									
308												743					122.6									
309												743					122.9									
310												743					123.1									
311												743					123.3									
312												743					123.5					120.9		120.9		181
313												743					123.6									
314												743					123.6									
315												743					121.9									
316												743					115.3									
317												743					110.5									
318												743					107.1									
319												743					105.1									
320												743					111									
321												743					113.9									
322												743					115.9									
323												743					117.8									
324												743					119.5									
325												743					120.8									
326												743					122									
327												743					122.9									
328												743					123.6									
329												743					124.2									
330												743					124.8									
331												743					123.54									
332												743					125.6									
333												743					125.8									
334												743					126									
335												743					126									
336												743					126.2									
337												743					126.2									
338												743					126.3									
339												743					126.3									
340												743					126.4									
341												743					126.4									
342												743					126.4									

	MARCH 15, 1992 - 2 HR INFLOW SPILL, THEN 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)																									
TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY.	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXY.	ALL	NORTH	CENTER	SOUTH	OXY
343												743					126.4									
344												743					126.4									
345												743					126.4									
346												743					126.3									
347												743					126.2									
348												743					126.3									
349																	126.3									
350																	126.1									
351																	126.1									
352																	126.2									
353																	126.3					125.5		125.5		177

MARCH 16, 1992 - 2 HR INFLOW SPILL, 80 % SPILL/20 % POWERHOUSE (approximately 80 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH				FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN	SHORE	BAROM	SPILL	POWERH.	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
0											100.87349	743	28.45		705	635.22	69.78										
1												743	28.45														
2												743	28.45														
3												743	28.45														
4												743	28.45														
5												743	28.45														
6												743	28.45														
7												743	28.45														
8												743	28.45														
9												743	28.45														
10												743	28.45														
11												743	28.45														
12												743	28.45														
13												743	28.45														
14												743	28.45														
15											100.82315	743	28.45		705.02	634.14	70.88										
16												743	28.45														
17												743	28.45														
18												743	28.45														
19												743	28.45														
20												743	28.45														
21												743	28.45														
22												743	28.45														
23												743	28.45														
24						101.9			101.9			743	28.45														
25												743	28.45														
26												743	28.45														
27												743	28.45														
28						102.4			102.4	155		743	28.45														
29												743	28.45														
30											100.77268	743	28.45		705.04	634.46	70.58										
31												743	28.45														
32												743	28.45														
33												743	28.45					105.1	105.1			155	102.6	102.6			152
34												743	28.45														
35												743	28.45														
36												743	28.45														
37												743	28.45														
38												743	28.45														
39												743	28.45														
40												743	28.45														
41												743	28.45														
42						112.4			112.4	171		743	28.45														
43												743	28.45														
44												743	28.45														
45											103.04092	743	28.45		705	634.44	70.56										
46												743	28.45														
47												743	28.45														
48	116			116								743	28.45														
49						113.8			113.8			743	28.45														
50												743	28.45					101.7		101.7		150	102.4		102.4		151
51												743	28.45														
52												743	28.45														
53												743	28.45														

MARCH 16, 1992 - 2 HR INFLOW SPILL, 80 % SPILL/20 % POWERHOUSE (approximately 80 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																	DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH				FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN	SHORE	BAROM	SPILL	POWERH.	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
54												743	28.45														
55												743	28.45														
56												743	28.45														
57												743	28.45														
58												743	28.45														
59												743	28.45														
60											104.80498	743	28.45		705	634.24	70.76										
61												743	28.45														
62	115.3		115.3			114.1		114.1		174		743	28.45														
63												743	28.45														
64												743	28.45														
65												743	28.45														
66												743	28.45														
67												743	28.45														
68												743	28.45														
69												743	28.45														
70												743	28.45														
71												743	28.45														
72												743	28.45														
73												743	28.45														
74												743	28.45														
75						110.5	110.5			164	105.81306	743	28.45		705.01	634.2	70.81										
76	110.3	110.3										743	28.45														
77												743	28.45					101.9			101.9	150	102.3			102.3	149
78												743	28.45														
79												743	28.45														
80												743	28.45														
81												743	28.45														
82												743	28.45														
83												743	28.45														
84												743	28.45														
85												743	28.45														
86												743	28.45														
87												743	28.45														
88	114.7		114.7			113.8		113.8		175		743	28.45														
89												743	28.45														
90											106.77079	743	28.45		705	634.05	70.95	102		102		151	102.1		102.1		150
91												743	28.45														
92												743	28.45														
93												743	28.45														
94												743	28.45														
95												743	28.45														
96												743	28.45														
97												743	28.45														
98												743	28.45														
99												743	28.45														
100												743	28.45														
101												743	28.45														
102	115.1			115.1		114.7			114.7	174		743	28.45														
103												743	28.45														
104												743	28.45					102.1	102.1			151	102.5	102.5			149
105											107.93001	743	28.45		705	634.24	70.76										
106												743	28.45														
107												743	28.45														

MARCH 16, 1992 - 2 HR INFLOW SPILL, 80 % SPILL/20 % POWERHOUSE (approximately 80 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM										NORTH				FORE-			DOWNSTREAM									
FROM	DEEP					SURFACE												DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN	SHORE	BAROM	SPILL	POWERH.	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
108												743	28.45														
109												743	28.45														
110												743	28.45														
111												743	28.45														
112												743	28.45														
113												743	28.45														
114												743	28.45														
115						114.7		114.7		171		743	28.45														
116	115.1		115.1									743	28.45														
117												743	28.45					101.8		101.8		151	102		102		150
118												743	28.45														
119												743	28.45														
120											108.98843	743	83.4	23	705	634.16	70.84										
121												743	83.3606	23													
122												743	83.3212	23													
123												743	83.2817	23													
124												743	83.2423	23													
125												743	83.2029	23													
126												743	83.1635	23													
127						111.8	111.8			167		743	83.124	23													
128												743	83.0846	23				101.8			101.8	150	102.6			102.6	147
129												743	83.0452	23													
130												743	83.0058	23													
131												743	82.9663	23													
132												743	82.9269	23													
133												743	82.8875	23													
134						112.8	112.8					743	82.8481	23													
135											113.0712	743	82.8087	23	704.04	636.47	67.57										
136												743	82.7692	23													
137												743	82.7298	23													
138												743	82.6904	23													
139												743	82.651	23													
140												743	82.6115	23													
141												743	82.5721	23													
142												743	82.5327	23				101.8		101.8		151	102.5		102.5		149
143												743	82.4933	23													
144												743	82.4538	23													
145						121.3		121.3		186		743	82.4144	23													
146												743	82.375	23													
147	123.8		123.8		190							743	82.3356	23													
148												743	82.2962	23													
149												743	82.2567	23													
150											120.58129	743	82.2173	23	703.93	636.51	67.42										
151												743	82.1779	23													
152												743	82.1385	23													
153												743	82.099	23													
154												743	82.0596	23													
155												743	82.0202	23													
156												743	81.9808	23				101.8	101.8			153	102.6	102.6			151
157						121.1			121.1	183		743	81.9413	23													
158	123.2			123.2	190							743	81.9019	23													
159												743	81.8625	23													
160												743	81.8231	23													
161												743	81.7837	23													

MARCH 16, 1992 - 2 HR INFLOW SPILL, 80 % SPILL/20 % POWERHOUSE (approximately 80 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN	SHORE	BARCM	SPILL	POWERH.	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
162												743	81.7442	23													
163												743	81.7048	23													
164												743	81.6654	23													
165											122.4463	743	81.626	23	703.87	636.21	67.66										
166												743	81.5865	23													
167												743	81.5471	23				101.8		101.8		150	102.7		102.7		150
168												743	81.5077	23													
169												743	81.4683	23													
170	123.7		123.7		189	122		122		184		743	81.4288	23													
171												743	81.3894	23													
172												743	81.35	23													
173												743	81.3106	23													
174												743	81.2712	23													
175												743	81.2317	23													
176												743	81.1923	23													
177												743	81.1529	23													
178												743	81.1135	23													
179												743	81.074	23													
180											123.40404	743	81.0346	23	703.62	636.64	66.98										
181												743	80.9952	23													
182	125.6	125.6			193	123.3	123.3			188		743	80.9558	23				102			102	152	102.7			102.7	151
183												743	80.9163	23													
184												743	80.8769	23													
185												743	80.8375	23													
186												743	80.7981	23													
187												743	80.7587	23													
188												743	80.7192	23													
189												743	80.6798	23													
190												743	80.6404	23													
191												743	80.601	23													
192												743	80.5615	23													
193	125		125		192	123.2		123.2		187		743	80.5221	23													
194												743	80.4827	23													
195											123.90808	743	80.4433	23	703.4	636.36	67.04										
196												743	80.4038	23				112.5		112.5		175	111.7		111.7		174
197												743	80.3644	23													
198												743	80.325	23													
199												743	80.2856	23													
200												743	80.2462	23													
201												743	80.2067	23													
202												743	80.1673	23													
203	122.9			122.9	187	121.8			121.8	183		743	80.1279	23													
204												743	80.0885	23													
205												743	80.049	23													
206												743	80.0096	23													
207												743	79.9702	23													
208												743	79.9308	23				111.5	111.5			172	112.4	112.4			171
209												743	79.8913	23													
210											123.90808	743	79.8519	23	703.22	636.36	66.86										
211												743	79.8125	23													
212												743	79.7731	23													
213												743	79.7337	23													
214	123.5		123.5		188	121.9		121.9		184		743	79.6942	23													
215												743	79.6548	23													

MARCH 16, 1992 - 2 HR INFLOW SPILL, 80 % SPILL/20 % POWERHOUSE (approximately 80 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																	DOWNSTREAM									
FROM	DEEP					SURFACE					NORTH				FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN	SHORE	BAROM	SPILL	POWERH.	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
216												743	79.6154	23													
217	124.9		124.9									743	79.576	23													
218												743	79.5365	23													
219												743	79.4971	23													
220												743	79.4577	23													
221	126.2		126.2									743	79.4183	23													
222												743	79.3788	23				122.6		122.6		188	123.1		123.1		186
223												743	79.3394	23													
224												743	79.3	23													
225											124.36164	743			703.07	636.21	66.86										
226												743															
227												743															
228	127.2		127.2									743															
229												743															
230						123.8		123.8		189		743			703	636.12	66.88										
231												743															
232												743															
233												743															
234												743															
235												743															
236												743															
237												743						117.9			117.9	182	117.9			117.9	182
238												743															
239												743															
240											124.36164	743															
241												743															
242												743															
243												743															
244												743															
245												743															
246												743															
247												743															
248												743						122.6		122.6		185	121.9		121.9		188
249												743															
250												743															
251												743															
252												743															
253												743															
254												743															
255											124.31131	743															
256												743															
257												743															
258												743															
259												743															
260												743															
261												743															
262												743						121.8	121.8			185	123	123			184

MARCH 17, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM										
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE					
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
0										100.351275	745	35.2	706	633.04	72.96										
1											745	35.2													
2											745	35.2													
3											745	35.2													
4											745	35.2													
5											745	35.2													
6											745	35.2													
7											745	35.2													
8											745	35.2													
9											745	35.2													
10											745	35.2													
11											745	35.2													
12											745	35.2													
13											745	35.2													
14	104		104		151	101.6		101.6			745	35.2													
15										100.301074	745	35.2													
16											745	35.2													
17											745	35.2													
18											745	35.2													
19											745	35.2									101.8				147
20											745	35.2													
21											745	35.2													
22											745	35.2													
23											745	35.2													
24	105.7	105.7			158	103	103				745	35.2				103.2				149	101.9				147
25											745	35.2													
26											745	35.2													
27											745	35.2													
28											745	35.2				102.8				149					
29											745	35.2													
30										101.256242	745	35.2													
31											745	35.2													
32											745	35.2													
33											745	35.2													
34											745	35.2													
35	117.8		117.8		183	115.7		115.7			745	35.2													
36											745	35.2													
37											745	35.2													
38											745	35.2													
39											745	35.2													
40											745	35.2													
41											745	35.2													
42											745	35.2													
43											745	35.2													
44											745	35.2													
45										105.227383	745	35.2													
46											745	35.2													
47	117.4			117.4	180	114.7			114.7		745	35.2													
48											745	35.2				101.8	101.8			147	101.2	101.2			147
49											745	35.2													
50											745	35.2													
51											745	35.2													

MARCH 17, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
52											745	35.2													
53											745	35.2													
54											745	35.2													
55											745	35.2													
56											745	35.2													
57											745	35.2													
58	118.2		118.2		182	115		115			745	35.2													
59											745	35.2													
60										107.69047	745	35.2													
61											745	35.2													
62											745	35.2													
63											745	35.2													
64											745	35.2				101.5		101.5		147	100.8		100.8		147
65											745	35.2													
66											745	35.2													
67											745	35.2													
68											745	35.2													
69											745	35.2													
70											745	35.2													
71											745	35.2													
72											745	35.2													
73											745	35.2													
74											745	35.2													
75										109.500134	745	35.2													
76											745	35.2													
77											745	35.2													
78											745	35.2													
79						109.8	109.8				745	35.2													
80											745	35.2				101.6			101.6	146	100.8			100.8	147
81											745	35.2													
82											745	35.2													
83											745	35.2													
84	114.6	114.6			176	112	112				745	35.2													
85											745	35.2													
86											745	35.2													
87											745	35.2													
88											745	35.2													
89											745	35.2													
90										110.957987	745	35.2													
91											745	35.2													
92						114.1		114.1			745	35.2													
93											745	35.2													
94											745	35.2				101.4		101.4		147	100.7		100.7		147
95											745	35.2													
96											745	35.2													
97	118.4		118.4		182	115.8		115.8			745	35.2													
98											745	35.2													
99											745	35.2													
100											745	35.2													
101											745	35.2													
102											745	35.2													
103											745	35.2													

MARCH 17, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	CHIEF					SURFACE				NORTH			FORE-			CHIEF					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
104						115.7			115.7		745	35.2													
105										111.812617	745	35.2													
106											745	35.2													
107											745	35.2													
108											745	35.2													
109											745	35.2													
110	117.9			117.9	179	115.7			115.7		745	35.2				101.3	101.3			147	101.7	101.7			148
111											745	35.2													
112											745	35.2													
113											745	35.2													
114											745	35.2													
115											745	35.2													
116											745	35.2													
117											745	35.2													
118						115.8		115.8			745	35.2													
119											745	35.2													
120										112.415705	745	111.1	706.06	632.25	73.81										
121											745	111.05													
122											745	111.00													
123	118.9		118.9		181	115.7		115.7			745	110.95													
124											745	110.90													
125											745	110.85													
126											745	110.79													
127											745	110.74													
128											745	110.69													
129											745	110.64													
130						114	114				745	110.59				101.4		101.4		147	100.5		100.5		147
131											745	110.54													
132											745	110.49													
133											745	110.44													
134											745	110.39													
135	114.3	114.3			178	109.7	109.7			115.582685	745	110.34	705.31	634.27	71.04										
136											745	110.29													
137											745	110.24													
138											745	110.18													
139											745	110.13													
140											745	110.08													
141											745	110.03													
142											745	109.98													
143											745	109.93													
144						123.2		123.2			745	109.88													
145											745	109.83				101.4			101.4	147	100.6			100.6	147
146											745	109.78													
147											745	109.73													
148	126.5		126.5		190	122.7		122.7			745	109.68													
149											745	109.62													
150										122.419195	745	109.57	705.12	634.16	70.96										
151											745	109.52													
152											745	109.47													
153											745	109.42													
154											745	109.37													
155											745	109.32				101.4		101.4		147	100.6		100.6		147

MARCH 17, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
156						121.7			121.7		745	109.27													
157											745	109.22													
158											745	109.17													
159											745	109.12													
160											745	109.06													
161	125.8			125.8	190	122.2			122.2		745	109.01													
162											745	108.96													
163											745	108.91													
164											745	108.86													
165										123.173289	745	108.81	705	633.99	71.01										
166											745	108.76				101.7	101.7			148	100.6	100.6			150
167											745	108.71													
168											745	108.66													
169						122.3		122.3			745	108.61													
170											745	108.56													
171											745	108.51													
172											745	108.45													
173											745	108.40													
174	126.7		126.7		190	123.1		123.1			745	108.35													
175											745	108.30													
176											745	108.25													
177											745	108.20									113.3		113.3		175
178											745	108.15													
179											745	108.10													
180										123.424564	745	108.05	704.92	634.24	70.68										
181						121.5	121.5				745	108.00													
182											745	107.95													
183											745	107.89													
184											745	107.84													
185											745	107.79													
186	124.2	124.2			184	120.9	120.9				745	107.74													
187											745	107.69													
188											745	107.64													
189											745	107.59													
190											745	107.54									114.3			114.3	178
191											745	107.49													
192											745	107.44													
193											745	107.39													
194						124.4		124.4			745	107.34													
195										123.77651	745	107.28	704.63	634.1	70.53										
196											745	107.23													
197											745	107.18													
198											745	107.13													
199	126.7		126.7		189	123		123			745	107.08													
200											745	107.03													
201											745	106.98													
202											745	106.93				117.3		117.3		178	1.02147651		1.02147651		183
203											745	106.88													
204											745	106.83													
205											745	106.78													
206											745	106.72													
207						123.7			123.7		745	106.67													

MARCH 17, 1992 - 2 HR INFLOW SPILL, 100 KCPS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
208											745	106.62													
209											745	106.57													
210										124.078121	745	106.52	704.48	634.14	70.34										
211											745	106.47													
212	126.8			126.8	189	12.4			123.4		745	106.42													
213											745	106.37													
214											745	106.32													
215											745	106.27													
216											745	106.22													
217											745	106.16									104.7	104.7			202
218											745	106.11				120	120			183					
219						123.3		123.3			745	106.06													
220											745	106.01													
221											745	105.96													
222											745	105.91													
223											745	105.86													
224	127.2		127.2		203	123.3		123.3			745	105.81													
225										124.128322	745	105.76	704.29	633.78	70.51										
226											745	105.71													
227											745	105.66													
228											745	105.61													
229											745	105.55													
230											745	105.50													
231											745	105.45													
232						122	122				745	105.40													
233											745	105.35													
234											745	105.30													
235											745	105.25													
236											745	105.20													
237	124.9	124.9			185	121.8	121.8				745	105.15									102.6		102.6		210
238											745	105.10				124.5		124.5		190					
239											745	105.05													
240										124.329396	745	104.99	704.02	633.86	70.16										
241											745	104.94													
242											745	104.89													
243											745	104.84													
244											745	104.79													
245						123.4		123.4			745	104.74													
246											745	104.69													
247											745	104.64													
248											745	104.59													
249											745	104.54													
250	127.3		127.3		190	123.6		123.6			745	104.49													
251											745	104.44													
252											745	104.38													
253											745	104.33													
254											745	104.28													
255										124.329396	745	104.23	703.81	633.61	70.2	122.9			122.9	188	104			104	201
256											745	104.18													
257											745	104.13													
258						123			123		745	104.08													
259											745	104.03													

MARCH 17, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
260											745	103.98													
261											745	103.93													
262											745	103.88													
263	126.1			126.1	188	122.7			122.7		745	103.82													
264											745	103.77													
265											745	103.72													
266											745	103.67													
267											745	103.62				125.2		125.2		189	104.1		104.1		198
268											745	103.57													
269											745	103.52													
270										124.279195	745	103.47	703.57	633.59	69.98										
271						123.6		123.6			745	103.42													
272											745	103.37													
273											745	103.32													
274											745	103.26													
275											745	103.21													
276	127		127		190	123.3		123.3			745	103.16													
277											745	103.11													
278											745	103.06													
279											745	103.01													
280											745	102.96													
281											745	102.91													
282											745	102.86				123.8	123.8			186	104.4	104.4			188
283	125.2	125.2			184	122.3	122.3				745	102.81													
284											745	102.76													
285										124.279195	745	102.71	703.17	633.23	69.94										
286											745	102.65													
287											745	102.60													
288											745	102.55													
289											745	102.50													
290											745	102.45													
291											745	102.4													
292											745	0	703	633.31	69.69										
293											745														
294											745														
295											745														
296											745					125.4		125.4		189	105.3		105.3		190
297	127.9		127.9		189	123.4		123.4			745														
298											745														
299											745														
300										124.480268	745														
301						124.3		124.3			745														
302											745														
303											745														
304											745														
305											745														
306											745														
307											745														
308											745														
309											745														
310											745														
311											745														

	MARCH 17, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)																								
TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
312											745														
313											745					123.7			123.7	188	106.2			106.2	183
314											745														
315										124.631007	745														

MARCH 19, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
0										98.98333	750	35.2	706	629.94	76.06										
1											750	35.2													
2											750	35.2													
3											750	35.2													
4											750	35.2													
5											750	35.2													
6											750	35.2													
7											750	35.2													
8											750	35.2													
9											750	35.2													
10											750	35.2													
11											750	35.2													
12											750	35.2													
13											750	35.2													
14											750	35.2													
15										98.98333	750	35.2													
16											750	35.2													
17											750	35.2													
18											750	35.2													
19											750	35.2													
20											750	35.2													
21											750	35.2													
22											750	35.2													
23											750	35.2													
24											750	35.2													
25											750	35.2													
26											750	35.2													
27											750	35.2													
28											750	35.2													
29											750	35.2													
30										100.9805	750	35.2													
31											750	35.2													
32											750	35.2													
33											750	35.2													
34						106.2	106.2				750	35.2													
35											750	35.2													
36											750	35.2													
37											750	35.2													
38	112.3	112.3			173						750	35.2													
39						113.3	113.3				750	35.2													
40											750	35.2													
41											750	35.2													
42											750	35.2													
43											750	35.2													
44											750	35.2													
45						114.9		114.9		106.9227	750	35.2													
46											750	35.2													
47											750	35.2													
48											750	35.2				102.5	102.5								
49											750	35.2									100.1	100.1			
50											750	35.2													
51											750	35.2													

MARCH 19, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
52	118.6		118.6		177	115		115			750	35.2													
53											750	35.2													
54											750	35.2													
55											750	35.2													
56											750	35.2													
57											750	35.2													
58											750	35.2													
59											750	35.2													
60						113.7			113.7	110.2183	750	35.2													
61											750	35.2													
62											750	35.2													
63											750	35.2													
64											750	35.2													
65	117.3			117.3	177	114			114		750	35.2													
66											750	35.2									99.8		99.8		146
67											750	35.2													
68											750	35.2													
69											750	35.2													
70											750	35.2													
71											750	35.2													
72											750	35.2													
73											750	35.2													
74											750	35.2													
75										111.916	750	35.2													
76						115		115			750	35.2													
77											750	35.2													
78	118.3		118.3		177	115		115			750	35.2													
79											750	35.2													
80											750	35.2													
81											750	35.2													
82											750	35.2													
83											750	35.2													
84											750	35.2													
85											750	35.2													
86											750	35.2													
87											750	35.2													
88						111.8	111.8				750	35.2				100.4		100.4		145					
89											750	35.2													
90										112.2156	750	35.2													
91	114.2	114.2			171						750	35.2													
92						112.3	112.3				750	35.2													
93											750	35.2													
94											750	35.2													
95											750	35.2													
96											750	35.2													
97											750	35.2													
98											750	35.2													
99											750	35.2													
100						115.1		115.1			750	35.2													
101											750	35.2				99.9			99.9	146					
102											750	35.2													
103											750	35.2													

MARCH 19, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
104											750	35.2													
105	117.9		117.9		177	115.2		115.2		112.6151	750	35.2													
106											750	35.2													
107											750	35.2													
108											750	35.2													
109											750	35.2													
110											750	35.2													
111											750	35.2													
112											750	35.2													
113	116.9			116.9	174	114.4			114.4		750	35.2													
114											750	35.2				99.9		99.9		146					
115											750	35.2													
116											750	35.2													
117											750	35.2													
118											750	35.2													
119											750	35.2													
120										113.9656	750	111.40	706.11	628.12	77.99										
121											750	111.35													
122											750	111.30													
123						115		115			750	111.26													
124											750	111.21													
125											750	111.16													
126											750	111.11													
127											750	111.07				99.9	99.9			145					
128											750	111.02													
129	117.7		117.7		177	115		115			750	110.97													
130											750	110.92													
131											750	110.88													
132											750	110.83													
133											750	110.78													
134											750	110.73													
135										116.1104	750	110.69	705.28	631.3	73.98										
136											750	110.64													
137											750	110.59													
138											750	110.54													
139											750	110.50				100		100		146					
140											750	110.45													
141											750	110.40													
142											750	110.35													
143						123.9	123.9				750	110.30													
144											750	110.26													
145											750	110.21													
146											750	110.16													
147											750	110.11													
148	126.6	126.6			186	123.5	123.5				750	110.07													
149											750	110.02													
150										124.2496	750	109.97	705.09	631.36	73.73										
151											750	109.92													
152											750	109.88													
153											750	109.83				100.1	100.1			147					
154											750	109.78													
155											750	109.73													

MARCH 19, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
156						126.1		126.1			750	109.69													
157											750	109.64													
158											750	109.59													
159											750	109.54													
160											750	109.50													
161	127.8		127.8		190	124.6		124.6			750	109.45													
162											750	109.40													
163											750	109.35													
164											750	109.30													
165										124.6989	750	109.26	705.06	631.51	73.55										
166											750	109.21													
167											750	109.16													
168											750	109.11				113.3		113.3		172					
169											750	109.07													
170											750	109.02													
171											750	108.97													
172						126			126		750	108.92													
173											750	108.88													
174											750	108.83													
175											750	108.78													
176											750	108.73													
177	127.4			127.4	188	124.3			124.3		750	108.69													
178											750	108.64													
179											750	108.59													
180										124.5991	750	108.54	704.76	631.49	73.27										
181											750	108.50													
182											750	108.45				112			112	171					
183											750	108.40													
184											750	108.35													
185											750	108.30													
186						124.6		124.6			750	108.26													
187											750	108.21													
188											750	108.16													
189											750	108.11													
190	127.2		127.2		190						750	108.07													
191						125.2		125.2			750	108.02													
192											750	107.97													
193											750	107.92													
194											750	107.88													
195										124.5991	750	107.83	704.64	631.51	73.13	116.4		116.4		178					
196											750	107.78													
197	125.9	125.9			195	123.3	123.3				750	107.73													
198											750	107.69													
199											750	107.64													
200											750	107.59													
201											750	107.54													
202	125.1	125.1			184	123	123				750	107.50													
203											750	107.45													
204											750	107.40													
205											750	107.35													
206											750	107.30													
207											750	107.26													

MARCH 19, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
208											750	107.21													
209											750	107.16				121.1	121.1			184					
210										124.5991	750	107.11	704.5	631.55	72.95										
211											750	107.07													
212											750	107.02													
213											750	106.97													
214						125.4		125.4			750	106.92													
215											750	106.88													
216											750	106.83													
217	128.2		128.2		193	125.4		125.4			750	106.78													
218											750	106.73													
219											750	106.69													
220											750	106.64													
221											750	106.59													
222											750	106.54				124.9		124.9		192					
223											750	106.50													
224											750	106.45													
225	127.8			127.8	192	125.1			125.1	124.5991	750	106.40	704.29	631.53	72.76										
226											750	106.35													
227											750	106.30													
228											750	106.26													
229											750	106.21													
230	127.4			127.4	188	124.5			124.5		750	106.16													
231											750	106.11													
232											750	106.07													
233											750	106.02													
234											750	105.97													
235											750	105.92				123.8			123.8	191					
236											750	105.88													
237						126.8		126.8			750	105.83													
238											750	105.78													
239											750	105.73													
240										124.8488	750	105.69	704.03	631.21	72.82										
241											750	105.64													
242	127.5		127.5		190						750	105.59													
243						124.5		124.5			750	105.54													
244											750	105.50													
245											750	105.45													
246											750	105.40													
247											750	105.35													
248											750	105.30													
249											750	105.26													
250	126	126			189	123.8	123.8				750	105.21				125.5		125.5		193					
251											750	105.16													
252											750	105.11													
253											750	105.07													
254											750	105.02													
255	125.6	125.6			187	123.3	123.3			124.7489	750	104.97	703.78	631.24	72.54										
256											750	104.92													
257											750	104.88													
258											750	104.83													
259											750	104.78													

MARCH 19, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM									
FROM	DEEP					SUBHAZE				NORTH			FORE-			DEEP					SUBHAZE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
260											750	104.73													
261											750	104.69													
262											750	104.64													
263											750	104.59													
264											750	104.54				125	125			190					
265	127.5		127.5		193						750	104.50													
266						125.6		125.6			750	104.45													
267											750	104.40													
268											750	104.35													
269											750	104.30													
270	129.9		129.9		195	126.6		126.6		124.7489	750	104.26	703.55	631.13	72.42										
271											750	104.21													
272											750	104.16													
273											750	104.11													
274											750	104.07													
275											750	104.02													
276											750	103.97													
277											750	103.92													
278	125.6			125.6	188	123.3			123.3		750	103.88				125.8		125.8		194					
279											750	103.83													
280											750	103.78													
281											750	103.73													
282											750	103.69													
283	126.5			126.5	192	124.3			124.3		750	103.64													
284											750	103.59													
285										124.5991	750	103.54	703.18	630.96	72.22										
286											750	103.50													
287											750	103.45													
288											750	103.40													
289											750	103.35													
290											750	103.30													
291	127.3		127.3		193	123.9		123.9			750	103.26													
292											750	103.21				125.4			125.4	191					
293											750	103.16	703	630.92	72.08										
294											750	103.11													
295											750	103.07													
296						123.9		123.9			750	103.02													
297											750	102.97													
298											750	102.92													
299											750	102.88													
300										124.4992	750	102.83													
301											750	102.78													
302											750	102.73													
303											750	102.69													
304											750	102.64													
305											750	102.59													
306											750	102.54													
307											750	102.50													
308											750	102.45				124.6		124.6		192					
309											750	102.4													
310											750	0													
311											750														

MARCH 19, 1992 - 2 HR INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE				
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	OXYGEN
312											750														
313											750														
314											750														
315										123.9999	750														
316											750														
317											750														
318											750														
319											750														
320											750														
321											750														
322											750														
323											750														
324											750					124.9	124.9			190					
325											750														
326											750														
327											750														
328											750														
329											750														
330										123.0012	750														
331											750														
332											750														
333											750														
334											750														
335											750														
336											750														
337											750														
338											750														
339											750														
340											750														
341											750														
342											750														
343											750					125.1		125.1		190					
344											750														
345										122.3521	750														
346											750														
347											750														
348											750														
349											750														
350											750														
351											750														
352											750														
353											750														
354											750														
355											750														
356											750														
357											750														
358											750					127		127		190					
359											750														
360										122.0524	750					127.8		127.8		188					
361																									

MARCH 21, 1992 - 2 HR K INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
0										99.781586	744	29	706	625.66	80.34									
1											744	29												
2											744	29												
3											744	29												
4											744	29												
5											744	29												
6											744	29												
7											744	29												
8						100.9	100.9				744	29												
9											744	29												
10											744	29												
11	100.5	100.5			149	100.9	100.9				744	29												
12											744	29												
13											744	29												
14											744	29												
15										99.8318548	744	29												
16											744	29												
17											744	29												
18											744	29												
19											744	29												
20											744	29												
21											744	29												
22											744	29												
23											744	29												
24											744	29												
25											744	29												
26	109.1		109.1		174	109.4		109.4			744	29												
27											744	29				102.4	102.4			142	102.6	102.6		
28											744	29												
29											744	29												
30										101.643952	744	29												
31											744	29												
32											744	29												
33						110			110		744	29												
34											744	29												
35											744	29												
36											744	29												
37											744	29												
38	113.3			113.3	172	112.1			112.1		744	29												
39											744	29												
40											744	29												
41											744	29												
42											744	29												
43											744	29												
44											744	29												
45										105.872177	744	29												
46											744	29												
47											744	29												
48											744	29												
49						113		113			744	29												
50											744	29				100.7		100.7		146	102.4		102.4	
51											744	29												

MARCH 21, 1992 - 2 HR K INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
52											744	29												
53											744	29												
54	113.6		113.6		175	113.2		113.2			744	29												
55											744	29												
56											744	29												
57											744	29												
58											744	29												
59											744	29												
60										108.388978	744	29												
61											744	29												
62											744	29												
63											744	29												
64						113.4	113.4				744	29												
65											744	29												
66											744	29												
67											744	29												
68	115	115			178						744	29												
69						113.9	113.9				744	29												
70											744	29				100.5			100.5	146	102.4			102.4
71											744	29												
72											744	29												
73											744	29												
74											744	29												
75										109.84879	744	29												
76											744	29												
77						113		113			744	29												
78											744	29												
79											744	29												
80											744	29												
81	114		114		175	113.2		113.2			744	29												
82											744	29												
83											744	29												
84											744	29												
85											744	29												
86											744	29												
87											744	29												
88											744	29												
89						113.7			113.7		744	29												
90										110.301747	744	29				100.6		100.6		146	102.2		102.2	
91											744	29												
92											744	29												
93											744	29												
94	114.8			114.8	176	113.8			113.8		744	29												
95											744	29												
96											744	29												
97											744	29												
98											744	29												
99											744	29												
100											744	29												
101											744	29												
102											744	29												
103											744	29												

MARCH 21, 1992 - 2 HR K INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
104											744	29												
105										110.90578	744	29												
106											744	29												
107						113.2		113.2			744	29												
108	114		114		175						744	29												
109											744	29												
110											744	29												
111											744	29												
112						113.2		113.2			744	29												
113											744	29				100.6	100.6			146	102.2	102.2		
114											744	29												
115											744	29												
116											744	29												
117											744	29												
118											744	29												
119											744	29												
120						113.4	113.4			111.459409	744	111.1	706	624.63	81.37									
121											744	111.05												
122											744	110.99												
123											744	110.94												
124											744	110.89												
125	114.4	114.4			177	113.1	113.1				744	110.83												
126											744	110.78												
127											744	110.73												
128											744	110.67												
129											744	110.62												
130											744	110.57												
131											744	110.51												
132											744	110.46				100.7		100.7		147	102.3		102.3	
133											744	110.41												
134											744	110.35												
135										114.831989	744	110.30	705.19	628.88	76.31									
136											744	110.25												
137											744	110.19												
138	119.9		119.9		191	117.9		117.9			744	110.14												
139											744	110.09												
140											744	110.03												
141											744	109.98												
142											744	109.93												
143											744	109.87												
144											744	109.82												
145						126.3			126.3		744	109.77												
146											744	109.71												
147											744	109.66												
148											744	109.61												
149											744	109.55												
150	129.6			129.6	200	126			126	127.466263	744	109.50	704.99	629.65	75.34									
151											744	109.45												
152											744	109.39				101			101	147	102.6			102.6
153											744	109.34												
154											744	109.29												
155	132.9		132.9								744	109.23												

MARCH 21, 1992 - 2 HR K INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
156											744	109.18												
157						127.7		127.7			744	109.13												
158											744	109.07												
159											744	109.02												
160											744	108.97												
161											744	108.91												
162											744	108.86												
163	133.4		133.4		202	128.2		128.2			744	108.80												
164											744	108.75												
165										131.040188	744	108.70	704.87	629.8	75.07									
166											744	108.64												
167	134.7	134.7									744	108.59												
168											744	108.54												
169											744	108.48				113.5		113.5		175	113.7		113.7	
170						128.2	128.2				744	108.43												
171											744	108.38												
172											744	108.32												
173											744	108.27												
174											744	108.22												
175	131.7	131.7			197	126.5	126.5				744	108.16												
176											744	108.11												
177											744	108.06												
178											744	108.00												
179											744	107.95												
180										129.983199	744	107.90	704.6	629.96	74.64									
181											744	107.84												
182						127.8		127.8			744	107.79												
183											744	107.74												
184											744	107.68				108.2	108.2			165	109.6	109.6		
185											744	107.63												
186											744	107.58												
187	131.2		131.2		200	126.4		126.4			744	107.52												
188											744	107.47												
189											744	107.42												
190											744	107.36												
191											744	107.31												
192											744	107.26												
193											744	107.20												
194											744	107.15												
195										129.026747	744	107.10	704.41	630.01	74.4									
196											744	107.04				117		117		178	118.8		118.8	
197											744	106.99												
198											744	106.94												
199											744	106.88												
200											744	106.83												
201	129.7			129.7	200	124.4			124.4		744	106.78												
202											744	106.72												
203											744	106.67												
204											744	106.62												
205											744	106.56												
206											744	106.51												
207											744	106.46												

MARCH 21, 1992 - 2 HR K INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
208											744	106.40												
209											744	106.35			0	115.9			115.9	174	117.4			117.4
210						123.7		123.7		128.372446	744	106.30	704.3	629.96	74.34									
211											744	106.24												
212											744	106.19												
213											744	106.14												
214	129.7		129.7		199	126.6		126.6			744	106.08												
215											744	106.03												
216											744	105.98												
217											744	105.92												
218											744	105.87												
219											744	105.82												
220											744	105.76												
221											744	105.71												
222											744	105.66												
223						123.8	123.8				744	105.60												
224											744	105.55				131.6		131.6		201	129.1		129.1	
225										127.415995	744	105.50	704.07	629.94	74.13									
226											744	105.44												
227											744	105.39												
228	127.6	127.6			196	123.3	123.3				744	105.34												
229											744	105.28												
230											744	105.23												
231											744	105.18												
232											744	105.12												
233											744	105.07												
234											744	105.02												
235						124.5		124.5			744	104.96												
236											744	104.91				127	127			193	126	126		
237											744	104.86												
238											744	104.80												
239											744	104.75												
240	127.3		127.3		194	123.7		123.7		127.013306	744	104.70	703.79	630.01	73.78									
241											744	104.64												
242											744	104.59												
243											744	104.53												
244											744	104.48												
245											744	104.43												
246											744	104.37												
247											744	104.32												
248											744	104.27												
249											744	104.21												
250											744	104.16												
251											744	104.11												
252											744	104.05				130.1		130.1		196	127.8		127.8	
253											744	104.00												
254	126.5			126.5	194	123.7			123.7		744	103.95												
255										126.71129	744	103.89	703.65	629.84	73.81									
256											744	103.84												
257											744	103.79												
258											744	103.73												
259											744	103.68												

MARCH 21, 1992 - 2 HR K INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
260											744	103.63												
261						123		123			744	103.57												
262											744	103.52												
263											744	103.47												
264											744	103.41				129.3			129.3	194	126.4			126.4
265											744	103.36												
266	128.5		128.5		200	126.1		126.1			744	103.31												
267											744	103.25												
268	129.1		129.1								744	103.20												
269											744	103.15												
270										126.459543	744	103.09	703.29	629.6	73.69									
271											744	103.04												
272											744	102.99												
273	130.3		130.3		198						744	102.93												
274											744	102.88												
275	128.8	128.8									744	102.83												
276	129	129									744	102.77												
277											744	102.72				128.1		128.1		192	126.6		126.6	
278											744	102.67												
279						124.4	124.4				744	102.61												
280											744	102.56												
281											744	102.51												
282											744	102.45												
283											744	102.4	702.99	629.77	73.22									
284						123.2	123.2				744													
285										126.661022	744													
286											744													
287											744													
288											744													
289											744													
290											744													
291											744					128.1	128.1			192	126.8	126.8		
292											744													
293											744													
294											744													
295											744													
296											744													
297											744													
298											744													
299											744													
300										126.258333	744													
301											744													
302											744													
303											744													
304																								
305																								
306																								
307																								
308																								
309																								
310																129.9		129.9						
311																								

	MARCH 21, 1992 - 2 HR K INFLOW SPILL, 100 KCFS SPILL (approximately 100 kcfs - values extrapolated between start and end of test as forebay lowered)																							
TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
312																								
313																								
314																								
315										125.251613														

MARCH 22, 1992 - 2 HR INFLOW SPILL, 20% SPILL/80% POWERHOUSE

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
0										100.974293	743	29	706.02	624.03	81.99									
1											743	29												
2											743	29												
3											743	29												
4											743	29												
5											743	29												
6											743	29												
7											743	29												
8											743	29												
9											743	29												
10											743	29												
11											743	29												
12											743	29												
13											743	29												
14											743	29												
15	101.3	101.3			156	101.3	101.3			100.923957	743	29												
16											743	29												
17											743	29												
18											743	29												
19											743	29												
20	102.5	102.5			160	102.5	102.5				743	29												
21											743	29												
22											743	29												
23											743	29												
24											743	29												
25											743	29												
26											743	29												
27						112.1		112.1			743	29												
28											743	29												
29											743	29												
30										103.444145	743	29												
31											743	29												
32											743	29												
33	113.3		113.3		179	113.3		113.3			743	29												
34											743	29												
35											743	29												
36											743	29												
37											743	29												
38											743	29												
39											743	29												
40											743	29												
41											743	29												
42											743	29												
43											743	29												
44											743	29				104.3	104.3			149	102.2	102.2		
45						113.3			113.3	107.778869	743	29												
46	113.8			113.8	179						743	29												
47						113.8			113.8		743	29												
48											743	29												
49											743	29												
50											743	29												
51											743	29												

MARCH 22, 1992 - 2 HR INFLOW SPILL, 20% SPILL/80% POWERHOUSE

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
52											743	29												
53											743	29												
54						113.7		113.7			743	29												
55											743	29												
56											743	29												
57											743	29												
58											743	29												
59	114		114		178	113.6		113.6			743	29												
60										110.298923	743	29				102.3		102.3		151	102		102	
61											743	29												
62											743	29												
63											743	29												
64											743	29												
65											743	29												
66											743	29												
67											743	29												
68						113.1	113.1				743	29												
69											743	29												
70											743	29												
71											743	29												
72	114.2	114.2			178	113.7	113.7				743	29												
73											743	29												
74											743	29												
75										111.105384	743	29												
76											743	29												
77											743	29												
78											743	29												
79						113.7		113.7			743	29												
80											743	29				101.4			101.4	151	101.5			101.5
81											743	29												
82											743	29												
83											743	29												
84	114		114		178	113.7		113.7			743	29												
85											743	29												
86											743	29												
87											743	29												
88											743	29												
89											743	29												
90										111.811171	743	29												
91											743	29												
92											743	29												
93											743	29												
94											743	29												
95											743	29												
96											743	29												
97											743	29												
98											743	29												
99											743	29												
100											743	29												
101											743	29												
102											743	29												
103											743	29												

MARCH 22, 1992 - 2 HR INFLOW SPILL, 20% SPILL/80% POWERHOUSE

TIME	UPSTREAM																DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
104											743	29													
105										112.617631	743	29													
106											743	29													
107											743	29													
108											743	29													
109											743	29													
110											743	29					101.5		101.5		149	101.5		101.5	
111											743	29													
112											743	29													
113											743	29													
114											743	29													
115											743	29													
116											743	29													
117											743	29													
118											743	29													
119											743	29													
120										112.869583	743	24.1	84	705.93	623.12	82.81									
121											743	24.09	84												
122											743	24.08	84												
123											743	24.07	84												
124											743	24.06	84												
125											743	24.05	84												
126											743	24.03	84												
127											743	24.02	84												
128											743	24.01	84												
129											743	24.00	84												
130											743	23.99	84				101.8	101.8			149	102	102		
131											743	23.98	84												
132											743	23.97	84												
133						112.7		112.7			743	23.96	84												
134											743	23.95	84												
135										113.474428	743	23.94	84	704.92	624.21	80.71									
136											743	23.92	84												
137											743	23.91	84												
138	115.2		115.2		173	113.6		113.6			743	23.90	84												
139											743	23.89	84												
140											743	23.88	84												
141											743	23.87	84												
142											743	23.86	84												
143											743	23.85	84												
144	104.2			104.2	156	102.9			102.9		743	23.84	84												
145											743	23.83	84												
146											743	23.82	84												
147											743	23.80	84												
148											743	23.79	84												
149	102			102	156	101.5			101.5		743	23.78	84												
150										112.819246	743	23.77	84	704.66	630.16	74.5	102.4		102.4		150	103.1		103.1	
151											743	23.76	84												
152											743	23.75	84												
153											743	23.74	84												
154											743	23.73	84												
155	103.8		103.8		161	103.4		103.4			743	23.72	84												

	MARCH 22, 1992 - 2 HR INFLOW SPILL, 20% SPILL/80% POWERHOUSE																							
TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE		
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
156											743	23.71	84												
157											743	23.69	84												
158											743	23.68	84												
159											743	23.67	84												
160	104.1		104.1		163	103.6		103.6			743	23.66	84												
161											743	23.65	84												
162											743	23.64	84												
163											743	23.63	84												
164											743	23.62	84												
165										112.315209	743	23.61	84	704.56	630.68	73.88									
166											743	23.60	84												
167	111	111			177	109.4	109.4				743	23.59	84												
168											743	23.57	84				106.8			106.8	162	105.9			105.9
169											743	23.56	84												
170											743	23.55	84												
171											743	23.54	84												
172											743	23.53	84												
173											743	23.52	84												
174											743	23.51	84												
175											743	23.50	84												
176											743	23.49	84												
177											743	23.48	84												
178											743	23.46	84												
179											743	23.45	84												
180										112.063122	743	23.44	84	704.31	630.88	73.43									
181											743	23.43	84												
182											743	23.42	84												
183	111.5	111.5			179	110.3	110.3				743	23.41	84												
184											743	23.40	84												
185											743	23.39	84				113.2		113.2		172	113.2		113.2	
186											743	23.38	84												
187											743	23.37	84												
188											743	23.36	84												
189											743	23.34	84												
190											743	23.33	84												
191											743	23.32	84												
192	104.7		104.7		162	104.4		104.4			743	23.31	84												
193											743	23.30	84												
194											743	23.29	84												
195										111.911844	743	23.28	84	704.03	631.07	72.96									
196	104.4		104.4		165	104.4		104.4			743	23.27	84												
197											743	23.26	84												
198											743	23.25	84												
199											743	23.24	84				112.2	112.2			168	112.1	112.1		
200											743	23.22	84												
201											743	23.21	84												
202											743	23.20	84												
203	101.8			101.8	159	101.5			101.5		743	23.19	84												
204											743	23.18	84												
205											743	23.17	84												
206											743	23.16	84												
207											743	23.15	84												

	MARCH 22, 1992 - 2 HR INFLOW SPILL, 20% SPILL/80% POWERHOUSE																								
TIME	UPSTREAM																DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
208	101.3			101.3	158	101.2			101.2		743	23.14	84												
209											743	23.13	84												
210										111.7607	743	23.11	84	703.9	631.17	72.73									
211											743	23.10	84												
212											743	23.09	84												
213											743	23.08	84												
214											743	23.07	84												
215											743	23.06	84				109.6		109.6		163	108.9		108.9	
216											743	23.05	84												
217											743	23.04	84												
218											743	23.03	84												
219	103.8		103.8		164	103.8		103.8			743	23.02	84												
220											743	23.01	84												
221											743	22.99	84												
222						104		104			743	22.98	84												
223	104		104		163						743	22.97	84												
224											743	22.96	84												
225										111.710363	743	22.95	84	703.5	631.38	72.12									
226											743	22.94	84												
227											743	22.93	84												
228											743	22.92	84												
229	111	111			178	111.2	111.2				743	22.91	84												
230											743	22.90	84												
231											743	22.88	84				104.6			104.6	152	104.3			104.3
232											743	22.87	84												
233											743	22.86	84												
234	111.6	111.6			179						743	22.85	84												
235						111.5	111.5				743	22.84	84												
236											743	22.83	84												
237											743	22.82	84												
238											743	22.81	84												
239											743	22.80	84												
240										111.609421	743	22.79	84	703.2	631.51	71.69									
241											743	22.78	84												
242											743	22.76	84												
243	104.8		104.8		165	104.3		104.3			743	22.75	84												
244											743	22.74	84												
245											743	22.73	84				109.5		109.5		162	109.2		109.2	
246											743	22.72	84												
247											743	22.71	84												
248											743	22.70	84												
249											743	22.69	84												
250	104.4		104.4		163	104.4		104.4			743	22.68	84	703	631.36	71.64									
251											743	22.67	84												
252											743	22.65	84												
253											743	22.64	84												
254											743	22.63	84												
255										111.508748	743	22.62	84												
256											743	22.61	84												
257	101.7			101.7	158						743	22.6	84												
258											743														
259											743														

MARCH 22, 1992 - 2 HR INFLOW SPILL, 20% SPILL/80% POWERHOUSE

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
260											743													
261											743													
262											743													
263											743					111	111			164	110.4	110.4		
264											743													
265											743													
266											743													
267											743													
268											743													
269											743													
270										111.35747	743													
271											743													
272											743													
273											743													
274											743													
275											743													
276											743													
277											743													
278											743													
279											743													
280											743													
281											743													
282											743													
283											743													
284											743													
285										111.256662	743					109.6		109.6		163	109.1		109.1	
286											743													
287											743													
288											743													
289											743													
290											743													
291											743													
292											743													
293											743													
294											743													
295											743													
296											743													
297											743													
298											743													
299											743													
300										110.95424	743													
301																								
302																								
303																								
304																								
305																111.1			111.1	165	110.9			110.9
306																								
307																								
308																								
309																								
310																								
311																								

	MARCH 22, 1992 - 2 HR INFLOW SPILL, 20% SPILL/80% POWERHOUSE																								
TIME	UPSTREAM																DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
312																									
313																									
314																									
315										109.442127															

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
0										101.185676	747	27.8	705.98	622.61	83.37									
1											747	27.8												
2											747	27.8												
3											747	27.8												
4											747	27.8												
5											747	27.8												
6											747	27.8												
7											747	27.8												
8											747	27.8												
9											747	27.8												
10											747	27.8												
11	101.4	101.4									747	27.8												
12											747	27.8												
13											747	27.8												
14											747	27.8												
15										101.185676	747	27.8												
16											747	27.8												
17											747	27.8												
18											747	27.8												
19											747	27.8												
20											747	27.8												
21											747	27.8												
22											747	27.8												
23	106.2	106.2			183						747	27.8												
24											747	27.8												
25											747	27.8												
26											747	27.8												
27											747	27.8												
28											747	27.8												
29											747	27.8												
30										103.040562	747	27.8												
31											747	27.8												
32											747	27.8												
33											747	27.8												
34											747	27.8												
35											747	27.8												
36											747	27.8												
37											747	27.8												
38											747	27.8												
39											747	27.8												
40											747	27.8												
41											747	27.8												
42	113.4		113.4		189						747	27.8												
43											747	27.8												
44											747	27.8												
45										107.151539	747	27.8												
46											747	27.8												
47											747	27.8												
48						112.1		112.1			747	27.8												
49											747	27.8												
50											747	27.8												
51											747	27.8												

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
52											747	27.8												
53											747	27.8												
54											747	27.8												
55	113.7			113.7	186	112.7			112.7		747	27.8												
56											747	27.8												
57											747	27.8												
58											747	27.8												
59											747	27.8												
60	113.3			113.3	188	112.2			112.2	109.608166	747	27.8												
61											747	27.8												
62											747	27.8												
63											747	27.8												
64											747	27.8												
65											747	27.8												
66											747	27.8												
67											747	27.8												
68											747	27.8												
69											747	27.8												
70	113.5		113.5		188	112.5		112.5			747	27.8												
71											747	27.8												
72											747	27.8												
73											747	27.8												
74	113.4		113.4		188						747	27.8												
75						112.5		112.5		110.961714	747	27.8												
76											747	27.8												
77											747	27.8												
78											747	27.8												
79											747	27.8												
80											747	27.8												
81						112.8	112.8				747	27.8												
82	113.9	113.9			189						747	27.8												
83											747	27.8												
84											747	27.8												
85											747	27.8				102.9	102.9				102.1	102.1		
86	114	114			190						747	27.8												
87						112.8	112.8				747	27.8												
88											747	27.8												
89											747	27.8												
90										111.362784	747	27.8												
91											747	27.8												
92											747	27.8												
93											747	27.8												
94											747	27.8												
95											747	27.8												
96											747	27.8												
97	113.5		113.5		188	112.7		112.7			747	27.8												
98											747	27.8												
99											747	27.8												
100											747	27.8												
101											747	27.8												
102											747	27.8												
103	113.4		113.4		188	112.5		112.5			747	27.8												

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
104											747	27.8												
105										111.518072	747	27.8												
106											747	27.8												
107											747	27.8				102.2		102.2		150	102.2		102.2	
108											747	27.8												
109											747	27.8												
110											747	27.8												
111											747	27.8												
112	113.7			113.7	187	113.1			113.1		747	27.8												
113											747	27.8												
114											747	27.8												
115	113.7			113.7	187	113			113		747	27.8												
116											747	27.8												
117											747	27.8												
118											747	27.8												
119											747	27.8												
120										111.663588	747	67.3	705.98	621.83	84.15									
121											747	67.29												
122	113.3		113.3		186	112.7		112.7			747	67.27												
123											747	67.26												
124											747	67.24												
125											747	67.23												
126											747	67.21												
127	113.3		113.3		186	112.7		112.7			747	67.20				102			102	151	102.1			102.1
128											747	67.18												
129											747	67.17												
130											747	67.15												
131											747	67.14												
132											747	67.12												
133						112.6		112.6			747	67.11												
134											747	67.09												
135										112.917001	747	67.08	705.58	624.16	81.42									
136											747	67.06												
137											747	67.05												
138											747	67.03												
139	119	119			198	117.1	117.1				747	67.02												
140											747	67.00				102.8		102.8		150	103.5		103.5	
141											747	66.99												
142											747	66.97												
143											747	66.96												
144	119.9	119.9			200	117.2	117.2				747	66.94												
145											747	66.93												
146											747	66.91												
147											747	66.90												
148											747	66.88												
149											747	66.87												
150										116.827443	747	66.85	705.45	624.77	80.68									
151											747	66.84												
152	119.1		119.1		196	117.4		117.4			747	66.82												
153											747	66.81												
154											747	66.80												
155											747	66.78												

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DIFF					SURFACE				NORTH			FORE-			DIFF					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
156	119		119		196	117.6		117.6			746	66.77												
157											746	66.75												
158											746	66.74												
159											746	66.72												
160											746	66.71												
161											746	66.69												
162											746	66.68				105.2	105.2			156	106.3	106.3		
163											746	66.66												
164	119			119	196	117.6			117.6		747	66.65												
165										118.030656	747	66.63	705.4	624.9	80.5									
166											747	66.62												
167											747	66.60												
168											747	66.59												
169											747	66.57												
170	119.2			119.2	196	117.6			117.6		746	66.56												
171											746	66.54												
172											746	66.53												
173											746	66.51												
174											746	66.50												
175											746	66.48												
176											746	66.47												
177											746	66.45												
178											746	66.44												
179											746	66.42												
180										118.439812	746	66.41	705.28	625.22	80.06	112.8		112.8		169	112.3		112.3	
181	119.5		119.5		197						746	66.39												
182						117.7		117.7			746	66.38												
183											746	66.36												
184						117.9		117.9			746	66.35												
185											746	66.33												
186	119.6		119.6		197						746	66.32												
187											746	66.31												
188											746	66.29												
189											746	66.28												
190											746	66.26												
191											746	66.25												
192											746	66.23												
193	120.4	120.4			197	117.5	117.5				746	66.22												
194											746	66.20												
195										118.614611	746	66.19	705.14	625.39	79.75									
196											746	66.17												
197											746	66.16												
198	120.6	120.6			199	118.1	118.1				746	66.14				112.9		112.9		169	112.3		112.3	
199											746	66.13												
200											746	66.11												
201											746	66.10												
202											746	66.08												
203											746	66.07												
204											746	66.05												
205	119.9		119.9		197	118.1		118.1			746	66.04												
206											746	66.02												
207											746	66.01												

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM														DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-		DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
208											746	65.99												
209											746	65.98												
210	119.7		119.7		198	118.1		118.1		118.891689	746	65.96	705.07	625.41	79.66									
211											746	65.95												
212											746	65.93												
213											746	65.92												
214											746	65.90												
215											746	65.89				116.1			116.1	178	114.2			114.2
216											746	65.87												
217											746	65.86												
218											746	65.84												
219											746	65.83												
220	119.5			119.5	196	117.7			117.7		746	65.82												
221											746	65.80												
222											746	65.79												
223											746	65.77												
224											746	65.76												
225										118.941823	746	65.74	704.99	625.45	79.54									
226	119.5			119.5	196	117.8			117.8		747	65.73												
227											747	65.71												
228											747	65.70												
229											747	65.68												
230											747	65.67				110.6	110.6			160	109.3	109.3		
231											747	65.65												
232											747	65.64												
233											747	65.62												
234											747	65.61												
235											747	65.59												
236											747	65.58												
237											747	65.56												
238											747	65.55												
239	119.4		119.4		195	116		116			746	65.53												
240										119.092493	746	65.52	704.83	625.49	79.34									
241											746	65.50												
242											746	65.49												
243											746	65.47												
244						116		116			746	65.46												
245	119.4		119.4		194						747	65.44												
246											747	65.43												
247											747	65.41				118.9		118.9		181	117		117	
248											747	65.40												
249											747	65.38												
250											747	65.37												
251											747	65.36												
252											747	65.34												
253	120.3	120.3			196	118.3	118.3				746	65.33												
254											746	65.31												
255										119.293164	746	65.30	704.76	625.49	79.27									
256											746	65.28												
257											746	65.27												
258											746	65.25												
259											746	65.24												

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
260	120.8	120.8			196	117.9	117.9				747	65.22												
261											747	65.21												
262											747	65.19												
263											747	65.18												
264											747	65.16												
265											747	65.15												
266											747	65.13												
267	119.7		119.7		192	118.1		118.1			746	65.12												
268											746	65.10												
269											746	65.09												
270										119.343432	746	65.07	704.62	625.45	79.17									
271											746	65.06												
272	119.4		119.4		193						746	65.04												
273						117.5		117.5			746	65.03												
274											746	65.01												
275											746	65.00												
276											746	64.98												
277											746	64.97												
278											746	64.95												
279											746	64.94												
280											746	64.92												
281											746	64.91												
282											746	64.89												
283											746	64.88												
284											746	64.87												
285										119.3937	746	64.85	704.41	625.52	78.89									
286	119			119	191	117.7			117.7		746	64.84												
287											746	64.82												
288											746	64.81												
289	119			119	192	117.5			117.5		746	64.79												
290											746	64.78												
291											746	64.76												
292											746	64.75												
293											746	64.73												
294											746	64.72												
295	119.4		119.4		192	118		118			746	64.70												
296											746	64.69												
297											746	64.67												
298											746	64.66												
299											746	64.64												
300	119.6		119.6		192	118.2		118.2		119.443834	746	64.63	704.19	625.41	78.78									
301											746	64.61												
302											746	64.60												
303											746	64.58												
304											746	64.57												
305											746	64.55												
306											746	64.54												
307											746	64.52												
308											746	64.51												
309	120.8	120.8			194	118.7	118.7				746	64.49												
310											746	64.48												
311											746	64.46												

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
312											746	64.45												
313	120.9	120.9			194	118.7	118.7				746	64.43												
314											746	64.42												
315										119..44	746	64.40	704.07	625.45	78.62									
316											746	64.39												
317											746	64.38												
318											746	64.36												
319											746	64.35												
320	119.5		119.5		191	117.8		117.8			746	64.33												
321											746	64.32												
322											746	64.30												
323											746	64.29												
324											746	64.27												
325	119.4		119.4			117.9		117.9			746	64.26												
326											746	64.24												
327											746	64.23												
328											746	64.21												
329											746	64.20												
330										119.494102	746	64.18	703.93	625.41	78.52									
331											746	64.17												
332											746	64.15												
333	119.1			119.1	190	117.4			117.4		746	64.14												
334											746	64.12												
335											746	64.11												
336											746	64.09												
337											746	64.08												
338						117.6			117.6		746	64.06												
339											746	64.05												
340	119			119	191						746	64.03												
341											746	64.02												
342											746	64.00												
343											746	63.99												
344											746	63.97												
345										119.544236	746	63.96	703.79	625.41	78.38									
346											746	63.94												
347	119.4		119.4		191	117.9		117.9			746	63.93												
348											746	63.91												
349											746	63.9												
350	119.1		119.1		192						746	104.7	703.77	625.3	78.47									
351											746	104.65												
352						117.6		117.6			746	104.59												
353	120		120		195						746	104.54												
354											746	104.48												
355											746	104.43												
356											746	104.37												
357											746	104.32												
358	120.8	120.8			197	117.7	117.7				746	104.26												
359											746	104.21												
360	120.6	120.6			196					119.59437	746	104.15	703.28	627.13	76.15									
361						116.8	116.8				746	104.10												
362											746	104.04												
363											746	103.99												

MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
364											746	103.93												
365	121.3		121.3		200	119.3		119.3			746	103.88												
366											746	103.82												
367											746	103.77												
368											746	103.71												
369											746	103.66												
370											746	103.60												
371	122.8			122.8	200	120			120		746	103.55												
372											746	103.50												
373											746	103.44												
374											746	103.39												
375										122.104558	746	103.33	703.05	628.71	74.34									
376											746	103.28												
377	130.4		130.4		216	127.5		127.5			746	103.22												
378											746	103.17	703	628.88	74.12									
379											746	103.11												
380	132.6		132.6		214						746	103.06												
381						128.1		128.1			746	103.00												
382											746	102.95												
383	133		133		215	128.2		128.2			746	102.89												
384											746	102.84												
385											746	102.78												
386											746	102.73												
387	133.5		133.5		213	128.8		128.8			746	102.67												
388											746	102.62												
389											746	102.56												
390										128.881635	746	102.51												
391											746	102.45												
392											746	102.4												
393											746													
394											746													
395											746					119.8		119.8		181	118.1		118.1	
396																								
397																								
398																								
399																								
400																								
401																								
402																								
403																								
404																								
405										125.467962														
406																119.8	119.8			181	117.6	117.6		
407																								
408																								
409																								
410																								
411																								
412																								
413																								
414																								
415																								

	MARCH 23, 1992 - 2 HR INFLOW SPILL, 60 KCFS SPILL, 100 KCFS SPILL (approximately 60 and 100 kcfs - values extrapolated between start and end of test as forebay lowered)																							
TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
416																								
417																								
418																								
419																								
420										120.447855														
421																								
422																								
423																120.7		120.7		180	117.7		117.7	
424																								
425																								
426																								
427																								
428																								
429																								
430																								
431																								
432																								
433																								
434																								
435										114.825335														
436																								
437																								
438																130.5		130.5		200	127.2		127.2	
439																								
440																								
441																								
442																								
443																								
444																								
445																								
446																								
447																								
448																								
449																132.6		132.6		199	126.8		126.8	
450										110.809249														

MARCH 26, 1992 - 2 HR INFLOW SPILL, 114 KCFS - 90 KCFS FREE-FLOW (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
0										100.417694	746	26.3	700.01	631.47	68.54									
1											746	26.3												
2											746	26.3												
3											746	26.3												
4											746	26.3												
5											746	26.3												
6											746	26.3												
7											746	26.3												
8											746	26.3												
9											746	26.3												
10											746	26.3												
11											746	26.3												
12											746	26.3												
13											746	26.3												
14											746	26.3												
15										100.467828	746	26.3												
16											746	26.3												
17											746	26.3												
18											746	26.3												
19											746	26.3												
20											746	26.3												
21											746	26.3												
22											746	26.3												
23											746	26.3												
24											746	26.3												
25											746	26.3												
26											746	26.3												
27											746	26.3												
28											746	26.3												
29											746	26.3												
30	103	103				101.5	101.5			100.467828	746	26.3												
31											746	26.3												
32											746	26.3												
33											746	26.3												
34	102.8	102.8			169						746	26.3												
35						102.5	102.5				745	26.3												
36											745	26.3												
37											745	26.3												
38											745	26.3												
39											745	26.3												
40											745	26.3												
41											745	26.3												
42											745	26.3												
43											745	26.3												
44	111.4		111.4		187	111.7		111.7			745	26.3												
45										100.552483	745	26.3												
46											745	26.3												
47											745	26.3												
48	112.8		112.8		198	113		113			745	26.3												
49											745	26.3												
50											745	26.3												
51											745	26.3												

MARCH 26, 1992 - 2 HR INFLOW SPILL, 114 KCFS - 90 KCFS FREE-FLOW (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
52											745	26.3												
53											745	26.3												
54											745	26.3												
55											745	26.3												
56	114			114	190	113.9			113.9		745	26.3												
57											745	26.3												
58											745	26.3												
59											745	26.3												
60										101.356644	745	26.3												
61	114.3			114.3	189	114			114		745	26.3												
62											745	26.3												
63											745	26.3												
64											745	26.3												
65											745	26.3												
66											745	26.3												
67											745	26.3				102.3	102.3			150	102.6	102.6		
68											745	26.3												
69	114.2		114.2		189	113.6		113.6			745	26.3												
70											745	26.3												
71											745	26.3												
72											745	26.3												
73											745	26.3												
74	113.1		113.1		185	112.4		112.4			745	26.3												
75										102.71396	745	26.3												
76											745	26.3												
77											745	26.3												
78											745	26.3												
79											745	26.3												
80											745	26.3												
81											745	26.3									102.2		102.2	
82	111.7	111.7			183	110.9	110.9				746	26.3				101.8		101.8		151				
83											746	26.3												
84											746	26.3												
85											746	26.3												
86											746	26.3												
87	111.2	111.2			182	110.7	110.7				745	26.3												
88											745	26.3												
89											745	26.3												
90										104.322953	745	26.3												
91											745	26.3												
92											745	26.3												
93											745	26.3												
94											745	26.3									102.2			102.2
95	112.9		112.9		191	112.8		112.8			745	26.3				101.9			101.9	152				
96											745	26.3												
97											745	26.3												
98											745	26.3												
99											745	26.3												
100											745	26.3												
101	114		114		191	113.6		113.6			745	26.3												
102											745	26.3												
103											745	26.3												

MARCH 26, 1992 - 2 HR INFLOW SPILL, 114 KCPS - 90 KCPS FREE-FLOW (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAIL.W.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
104											745	26.3												
105										105.579195	745	26.3												
106											745	26.3												
107											745	26.3				102		102		152	102.1		102.1	
108	114.6			114.6	192	114			114		745	26.3												
109											745	26.3												
110											745	26.3												
111											745	26.3												
112											745	26.3												
113	114.7			114.7	191	114.1			114.1		745	26.3												
114											745	26.3												
115											745	26.3												
116											745	26.3												
117											745	26.3												
118											745	26.3												
119											745	26.3												
120										106.634899	745	114.4	700.06	631.09	68.97									
121	114.2		114.2		190	113.6		113.6			745	114.24				102.1	102.1			152	102.2	102.2		
122											745	114.09												
123											745	113.93												
124											745	113.78												
125											745	113.62												
126	114.3		114.3		191	113.7		113.7			745	113.47												
127											745	113.31												
128											745	113.16												
129											745	113.00												
130											745	112.85												
131											745	112.69												
132	112.3	112.3			186	111.7	111.7				745	112.53												
133											745	112.38												
134											745	112.22									102.1		102.1	
135										108.142953	745	112.07	699.07	634.01	65.06									
136											745	111.91												
137	111.8	111.8			187	111.4	111.4				745	111.76												
138											745	111.60												
139											745	111.45												
140											745	111.29				102.1		102.1		152				
141											745	111.14												
142											745	110.98												
143											745	110.83												
144											745	110.67												
145											745	110.51												
146											745	110.36												
147	122.8		122.8			122.1		122.1			745	110.20												
148											745	110.05												
149											745	109.89												
150										116.336644	745	109.74	698.89	634.05	64.84									
151											745	109.58												
152	128.7		128.7			127.1		127.1			745	109.43												
153											745	109.27												
154											745	109.12				102.2			102.2	153	102.3			102.3
155											745	108.96												

MARCH 26, 1992 - 2 HR INFLOW SPILL, 114 KCFS - 90 KCFS FREE-FLOW (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
156											745	108.80												
157											745	108.65												
158											745	108.49												
159											745	108.34												
160	127.1			127.1	210	124.3			124.3		745	108.18									102.2		102.2	
161											745	108.03												
162											745	107.87												
163											745	107.72												
164											745	107.56												
165	126.8			126.8	210	124.3			124.3	120.257584	745	107.41	698.76	633.97	64.79									
166											745	107.25												
167											745	107.09												
168											745	106.94				102.2		102.2		153				
169											745	106.78												
170											745	106.63												
171											745	106.47												
172	128.6		128.6		213	126.3		126.3			744	106.32												
173											744	106.16												
174											744	106.01												
175											744	105.85												
176											744	105.70												
177	129.1		129.1		214	126.6		126.6			745	105.54												
178											745	105.39												
179											745	105.23												
180										122.368859	745	105.07	698.68	633.84	64.84									
181											745	104.92									108.3	108.3		
182											745	104.76				107.7	107.7			167				
183											745	104.61												
184	124.9	124.9			206	122.8	122.8				745	104.45												
185											745	104.30												
186											745	104.14												
187											745	103.99												
188											745	103.83												
189	125.1	125.1			207	123.5	123.5				745	103.68												
190											745	103.52												
191											745	103.36												
192											745	103.21												
193											745	103.05												
194											745	102.90				113.2		113.2		171	112.8		112.8	
195	128.4		128.4		215	126.6		126.6		122.972215	745	102.74	698.36	634.03	64.33									
196											745	102.59												
197											745	102.43												
198											745	102.28												
199											745	102.12												
200	128.3		128.3		213	125.9		125.9			744	101.97												
201											744	101.81												
202											744	101.65												
203											744	101.50												
204											744	101.34												
205											744	101.19												
206											744	101.03												
207						125.4			125.4		744	100.88									108.1			108.1

MARCH 26, 1992 - 2 HR INFLOW SPILL, 114 KCFS - 90 KCFS FREE-FLOW (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
208	127.2			127.2	210						745	100.72				109.9			109.9	166				
209											745	100.57												
210										123.374228	745	100.41	698.19	633.97	64.22									
211											745	100.26												
212	127			127	210	125.4			125.4		744	100.10												
213											744	99.95												
214											744	99.79												
215											744	99.63												
216											744	99.48												
217											744	99.32												
218											744	99.17												
219											744	99.01												
220											744	98.86				125.2		125.2		188	123.6		123.6	
221											744	98.70												
222											744	98.55												
223											744	98.39												
224											744	98.24												
225										123.238172	744	98.08	697.92	633.71	64.21									
226											744	97.92												
227						125.5		125.5			744	97.77												
228											744	97.61												
229	127.5		127.5		209						745	97.46												
230											745	97.30												
231											745	97.15												
232	127.9		127.9		209	126.1		126.1			744	96.99												
233											744	96.84												
234											744	96.68				124.1	124.1			184	122.2	122.2		
235											744	96.53												
236											744	96.37												
237											744	96.21												
238											744	96.06												
239											744	95.90												
240										123.1375	744	95.75	697.71	633.5	64.21									
241	125.4	125.4			205	123.5	123.5				745	95.59												
242											745	95.44												
243											745	95.28												
244											745	95.13												
245											745	94.97												
246	125.3	125.3			203						745	94.82												
247											744	94.66				127.1		127.1		190	124.9		124.9	
248											744	94.51												
249						124.1	124.1				744	94.35												
250											744	94.19												
251											744	94.04												
252											744	93.88												
253											744	93.73												
254											744	93.57												
255										123.691129	744	93.42	697.38	633.46	63.92									
256	127.3		127.3		210	125.3		125.3			744	93.26												
257											744	93.11												
258											744	92.95												
259											744	92.80												

	MARCH 26, 1992 - 2 HR INFLOW SPILL, 114 KCFS - 90 KCFS FREE-FLOW (values extrapolated between start and end of test as forebay lowered)																							
TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH			FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL	BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
260											744	92.64												
261	127.2		127.2		210	125.3		125.3			744	92.48				124.3			124.3	183	119.1			119.1
262											744	92.33												
263											744	92.17												
264											744	92.02												
265											744	91.86												
266											744	91.71												
267											744	91.55												
268											744	91.40												
269	125.9			125.9	206	124			124		744	91.24												
270										123.187769	744	91.09	697.14	633.14	64									
271											744	90.93												
272											744	90.77												
273											744	90.62												
274	125.6			125.6	206	123.8			123.8		744	90.46												
275											744	90.31												
276											744	90.15												
277											744	90.00	697	632.97	64.03									
278											744	89.84												
279											744	89.69												
280											744	89.53												
281											744	89.38												
282											744	89.22												
283											744	89.07												
284											744	88.91												
285										123.1375		88.75												
286												88.60												
287												88.44												
288												88.29												
289												88.13												
290												87.98												
291												87.82												
292												87.67												
293												87.51												
294												87.36												
295												87.2	697.34	630.31	67.03									

MARCH 28, 1992 - 2 HR INFLOW SPILL, 65.5 KCFS SPILL, 53 KCFS SPILL/24 KCFS POWERHOUSE (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
0										99.0508655	751	27.2		712.87	632.93	79.94									
1											751	27.2													
2											751	27.2													
3											751	27.2													
4											751	27.2													
5											751	27.2													
6											751	27.2													
7											751	27.2													
8											751	27.2													
9											751	27.2													
10											751	27.2													
11											751	27.2													
12											751	27.2													
13											751	27.2													
14											751	27.2													
15										100.19787	751	27.2													
16											751	27.2													
17											751	27.2													
18	104.8	104.8			170						751	27.2													
19						103.6	103.6				751	27.2													
20											751	27.2													
21											751	27.2													
22	104.5	104.5			169	103.8	103.8				751	27.2													
23											751	27.2													
24											751	27.2													
25											751	27.2													
26											751	27.2													
27											751	27.2													
28											751	27.2													
29											751	27.2													
30										100.746471	751	27.2					116.2	116.2			169	114.5	114.5		
31											751	27.2													
32	112		112		192	111.1		111.1			751	27.2													
33											751	27.2													
34											751	27.2													
35											751	27.2													
36											751	27.2													
37	114.3		114.3		193	113.4		113.4			751	27.2													
38											751	27.2													
39											751	27.2													
40											751	27.2													
41											751	27.2													
42											751	27.2													
43											751	27.2													
44											751	27.2													
45	113.8			113.8	188	113.2			113.2	101.095473	751	27.2					113.7		113.7		165	114.9		114.9	
46											751	27.2													
47											751	27.2													
48											751	27.2													
49											751	27.2													
50	113.9			113.9	188	113			113		751	27.2													
51											751	27.2													

MARCH 28, 1992 - 2 HR INFLOW SPILL, 65.5 KCFS SPILL, 53 KCFS SPILL/24 KCFS POWERHOUSE (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
52											751	27.2													
53											751	27.2													
54											751	27.2													
55											751	27.2													
56											751	27.2													
57											751	27.2													
58											751	27.2													
59											751	27.2													
60	115.2		115.2		194	113.5		113.5		101.643941	751	27.2					116.4			116.4	174	115.3			115.3
61											751	27.2													
62											751	27.2													
63											751	27.2													
64											751	27.2													
65	115.4		115.4		196	113.5		113.5			751	27.2													
66											751	27.2													
67											751	27.2													
68											751	27.2													
69											751	27.2													
70											751	27.2													
71											751	27.2													
72	112.2	112.2			183	110.3	110.3				751	27.2													
73											751	27.2													
74											751	27.2													
75										102.741145	751	27.2													
76											751	27.2													
77	111.1	111.1			185	109.8	109.8				751	27.2													
78											751	27.2													
79											751	27.2													
80											751	27.2					110.1		110.1		162	109.6		109.6	
81											751	27.2													
82											751	27.2													
83											751	27.2													
84											751	27.2													
85	114.9		114.9		195	113.7		113.7			751	27.2													
86											751	27.2													
87											751	27.2													
88											751	27.2													
89											751	27.2													
90	115.4		115.4		196	114		114		104.636085	751	27.2													
91											751	27.2													
92											751	27.2													
93											751	27.2													
94											751	27.2													
95											751	27.2													
96											751	27.2													
97											751	27.2													
98	114.8			114.8	193	113.2			113.2		751	27.2													
99											751	27.2													
100											751	27.2					112	112			167	111.2	111.2		
101											751	27.2													
102											751	27.2													
103											751	27.2													

MARCH 28, 1992 - 2 HR INFLOW SPILL, 65.5 KCFS SPILL, 53 KCFS SPILL/24 KCFS POWERHOUSE (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE		
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
104											751	27.2													
105	114.8			114.8	192	113.2			113.2	106.431292	751	27.2													
106											751	27.2													
107											751	27.2													
108											751	27.2													
109											751	27.2													
110											751	27.2													
111											751	27.2													
112											751	27.2													
113											751	27.2													
114											751	27.2													
115											751	27.2													
116											751	27.2													
117											751	27.2													
118	115.3		115.3		195	113.8		113.8			751	27.2													
119											751	27.2													
120										107.82743	751	66.2		712.9	632.15	80.75	111.4		111.4		164	111.5		111.5	
121											751	66.19													
122											751	66.18													
123	115.3		115.3		195	113.8		113.8			751	66.17													
124											751	66.16													
125											751	66.15													
126											751	66.13													
127											751	66.12													
128											751	66.11													
129											751	66.10													
130											751	66.09													
131											751	66.08													
132											751	66.07													
133	113.5	113.5			197	111.8	111.8				751	66.06													
134											751	66.05													
135										111.068842	751	66.04		712.6	633.02	79.58	113.1			113.1	169	112.6			112.6
136											751	66.03													
137											751	66.01													
138	118.5	118.5			204	117.8	117.8				750	66.00													
139											750	65.99													
140											750	65.98													
141											750	65.97													
142											750	65.96													
143											750	65.95													
144											750	65.94													
145											750	65.93													
146											750	65.92													
147	122		122			119.8		119.8			751	65.91					107.2		107.2		158	107.5		107.5	
148											751	65.89													
149											751	65.88													
150										115.905859	751	65.87		712.47	632.87	79.6									
151											751	65.86													
152	122.2		122.2		205	119.8		119.8			750	65.85													
153											750	65.84													
154											750	65.83													
155											750	65.82													

MARCH 28, 1992 - 2 HR INFLOW SPILL, 65.5 KCFS SPILL, 53 KCFS SPILL/24 KCFS POWERHOUSE (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
156											750	65.81													
157											750	65.80													
158											750	65.78													
159	121.2			121.2	203	118.3			118.3		751	65.77													
160											751	65.76													
161											751	65.75													
162											751	65.74					104.5	104.5			157	105.2	105.2		
163											751	65.73													
164	121.1			121.1	204	118.5			118.5		750	65.72													
165										118.307467	750	65.71		712.41	632.87	79.54									
166											750	65.70													
167											750	65.69													
168											750	65.68													
169											750	65.66													
170											750	65.65													
171	122.4		122.4		205	120.1		120.1			750	65.64													
172											750	65.63													
173											750	65.62													
174											750	65.61													
175											750	65.60													
176	122.8		122.8		207	120.7		120.7			751	65.59													
177											751	65.58													
178											751	65.57													
179											751	65.56													
180										119.296804	751	65.54		712.24	633.29	78.95	102.4		102.4		152	102.5		102.5	
181											751	65.53													
182											751	65.52													
183											751	65.51													
184	122.6	122.6			205	120.6	120.6				750	65.50													
185											750	65.49													
186											750	65.48													
187											750	65.47													
188											750	65.46													
189	122.7	122.7			205	120.6	120.6				750	65.45													
190											750	65.44													
191											750	65.42													
192											750	65.41													
193											750	65.40													
194											750	65.39													
195										120.554533	750	65.38		712.14	633.63	78.51	103.4			103.4	153	105.5			105.5
196											750	65.37													
197	123		123		206	120.8		120.8			750	65.36													
198											750	65.35													
199											750	65.34													
200											750	65.33													
201											750	65.32													
202	122.9		122.9		205	120.6		120.6			751	65.30													
203											751	65.29													
204											751	65.28													
205											751	65.27													
206											751	65.26													
207											751	65.25													

MARCH 28, 1992 - 2 HR INFLOW SPILL, 65.5 KCFS SPILL, 53 KCFS SPILL/24 KCFS POWERHOUSE (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE		
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
208											751	65.24													
209						119.2			119.2		751	65.23													
210	121.5			121.5	203					120.554533	750	65.22		712.07	633.63	78.44									
211											750	65.21													
212											750	65.19					107.1		107.1		160	105.6		105.6	
213											750	65.18													
214	121.5			121.5	203	119.1			119.1		751	65.17													
215											751	65.16													
216											751	65.15													
217											751	65.14													
218											751	65.13													
219											751	65.12													
220											751	65.11													
221	122.1		122.1		204	120		120			750	65.10													
222											750	65.09													
223											750	65.07													
224											750	65.06													
225										120.854133	750	65.05		711.99	633.42	78.57									
226	122.7		122.7		205	120.4		120.4			750	65.04													
227											750	65.03													
228											750	65.02													
229											750	65.01													
230											750	65.00					111	111			167	110.6	110.6		
231											750	64.99													
232											750	64.98													
233											750	64.97													
234											750	64.95													
235											750	64.94													
236						120.6	120.6				750	64.93													
237											750	64.92													
238	122.9	122.9			205						750	64.91													
239											750	64.9													
240	122.9	122.9			205	120.7	120.7			121.253467	750	54.1	24.1	711.82	633.55	78.27									
241											750	54.09	24.1												
242											750	54.08	24.1												
243											750	54.07	24.1												
244											750	54.06	24.1												
245											750	54.05	24.1												
246											750	54.04	24.1												
247											750	54.02	24.1												
248	122.7		122.7		206	120.1		120.1			750	54.01	24.1				114.1		114.1		172	114.2		114.2	
249											750	54.00	24.1												
250											750	53.99	24.1												
251											750	53.98	24.1												
252											750	53.97	24.1												
253	122.3		122.3		205						750	53.96	24.1												
254											750	53.95	24.1												
255										121.003867	750	53.94	24.1	711.67	634.31	77.36									
256						119.7		119.7			750	53.93	24.1												
257											750	53.92	24.1												
258											750	53.91	24.1												
259											750	53.89	24.1												

MARCH 28, 1992 - 2 HR INFLOW SPILL, 65.5 KCFS SPILL, 53 KCFS SPILL/24 KCFS POWERHOUSE (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM															DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH						DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		FORE-BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
260											750	53.88	24.1												
261	120.9			120.9		118.9			118.9		750	53.87	24.1												
262											750	53.86	24.1												
263											750	53.85	24.1												
264											750	53.84	24.1												
265											750	53.83	24.1												
266	120.1			120.1	199	117.9			117.9		750	53.82	24.1				113.8			113.8	172	110.1			110.1
267											750	53.81	24.1												
268											750	53.80	24.1												
269											750	53.79	24.1												
270										120.0552	750	53.78	24.1	711.46	634.12	77.34									
271											750	53.76	24.1												
272											750	53.75	24.1												
273	119.9		119.9		202	117.8		117.8			750	53.74	24.1												
274											750	53.73	24.1												
275											750	53.72	24.1												
276											750	53.71	24.1												
277											750	53.70	24.1												
278	119.6		119.6		198	117.7		117.7			750	53.69	24.1												
279											750	53.68	24.1												
280											750	53.67	24.1												
281											750	53.66	24.1												
282											750	53.65	24.1												
283											750	53.63	24.1												
284											750	53.62	24.1												
285										120.155067	750	53.61	24.1	711.3	634.33	76.97	122		122		134	120.5		120.5	
286	121.6	121.6			204	119.5	119.5				750	53.60	24.1												
287											750	53.59	24.1												
288											750	53.58	24.1												
289											750	53.57	24.1												
290	121.5	121.5			202	119.3	119.3				750	53.56	24.1												
291											750	53.55	24.1												
292											750	53.54	24.1												
293											750	53.53	24.1												
294											750	53.52	24.1												
295											750	53.50	24.1												
296											750	53.49	24.1												
297	119.7		119.7		199	117.3		117.3			750	53.48	24.1												
298											750	53.47	24.1												
299											750	53.46	24.1												
300										119.9552	750	53.45	24.1	711.03	634.33	76.7									
301											750	53.44	24.1												
302	120		120		199	118.3		118.3			750	53.43	24.1												
303											750	53.42	24.1												
304											750	53.41	24.1												
305											750	53.40	24.1				121.4	121.4			182	119.8	119.8		
306											750	53.39	24.1												
307											750	53.37	24.1												
308											750	53.36	24.1												
309	119.2			119.2	198	117.2			117.2		750	53.35	24.1												
310											750	53.34	24.1												
311											750	53.33	24.1												

MARCH 28, 1992 - 2 HR INFLOW SPILL, 65.5 KCFS SPILL, 53 KCFS SPILL/24 KCFS POWERHOUSE (values extrapolated between start and end of test as forebay lowered)

TIME	UPSTREAM																DOWNSTREAM								
FROM	DEEP					SURFACE				NORTH				FORE-			DEEP					SURFACE			
START	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH	SHORE	BAROM	SPILL		BAY	TAILW.	HEAD	ALL	NORTH	CENTER	SOUTH	OXYGEN	ALL	NORTH	CENTER	SOUTH
312											750	53.32	24.1												
313											750	53.31	24.1												
314	119.1			119.1	197	117.2			117.2		750	53.30	24.1												
315										120.155067	750	53.29	24.1	710.86	634.35	76.51									
316											750	53.28	24.1												
317											750	53.27	24.1												
318											750	53.26	24.1												
319											750	53.24	24.1												
320											750	53.23	24.1				122.5		122.5		183	121		121	
321											750	53.22	24.1												
322	119.8		119.8		201	117.7		117.7			750	53.21	24.1												
323											750	53.20	24.1												
324											750	53.19	24.1												
325											750	53.18	24.1												
326											750	53.17	24.1												
327	120.4		120.4		200	118.6		118.6			750	53.16	24.1												
328											750	53.15	24.1												
329											750	53.14	24.1												
330										119.7556	750	53.13	24.1	710.69	634.56	76.13									
331											750	53.11	24.1												
332											750	53.10	24.1												
333	120.9	120.9			203	118.6	118.6				750	53.09	24.1												
334											750	53.08	24.1												
335											750	53.07	24.1												
336											750	53.06	24.1												
337											750	53.05	24.1												
338	121.2	121.2			203	119.1	119.1				750	53.04	24.1												
339											750	53.03	24.1												
340											750	53.02	24.1				120.8			120.8	183	119.1			119.1
341											750	53.01	24.1												
342											750	53.00	24.1												
343											750	52.98	24.1												
344											750	52.97	24.1												
345										119.7556	750	52.96	24.1	710.56	634.71	75.85									
346	120.5		120.5		199	118.2		118.2			750	52.95	24.1												
347											750	52.94	24.1												
348											750	52.93	24.1												
349											750	52.92	24.1												
350											750	52.91	24.1												
351	120.9		120.9		199	118.5		118.5			749	52.90	24.1												
352											749	52.89	24.1												
353											749	52.88	24.1												
354											749	52.87	24.1												
355											749	52.85	24.1												
356											749	52.84	24.1												
357	119.5			119.5	198	117.5			117.5		750	52.83	24.1												
358											750	52.82	24.1												
359											750	52.81	24.1												
360										119.9552	750	52.8	24.1	710.39	634.88	75.51	121.8		121.8		182	120.6		120.6	
361											750														
362	119.4			119.4	199	117.4			117.4		749														