



Savannah Harbor Expansion Project

Evaluation of Water Quality Impacts with Proposed Mitigation Plan

September 2009

Introduction

As part of the Savannah Harbor Expansion Project, impacts to water quality in the Savannah River estuary were evaluated for each project alternative channel depth (44 ft, 45 ft, 46 ft, 47 ft, and 48 ft). This report summarizes the water quality impacts, in tabular format, as a result of deepening the navigation channel along with implementation of the proposed mitigation plan. The proposed mitigation plan for each alternative project depth incorporates both modifications to the flow regime in the estuary and an alternative source of dissolved oxygen. The two proposed flow altering plans are: Plan 6b for the 44 ft channel depth and Plan 6a for the 45 ft, 46 ft, 47 ft, and 48 ft channel depth. Details of the flow altering mitigation plans are shown in Figures 1 and 2.

Figure 1: Plan 6a (proposed mitigation for 45 ft, 46 ft, 47 ft and 48 ft channel depths)

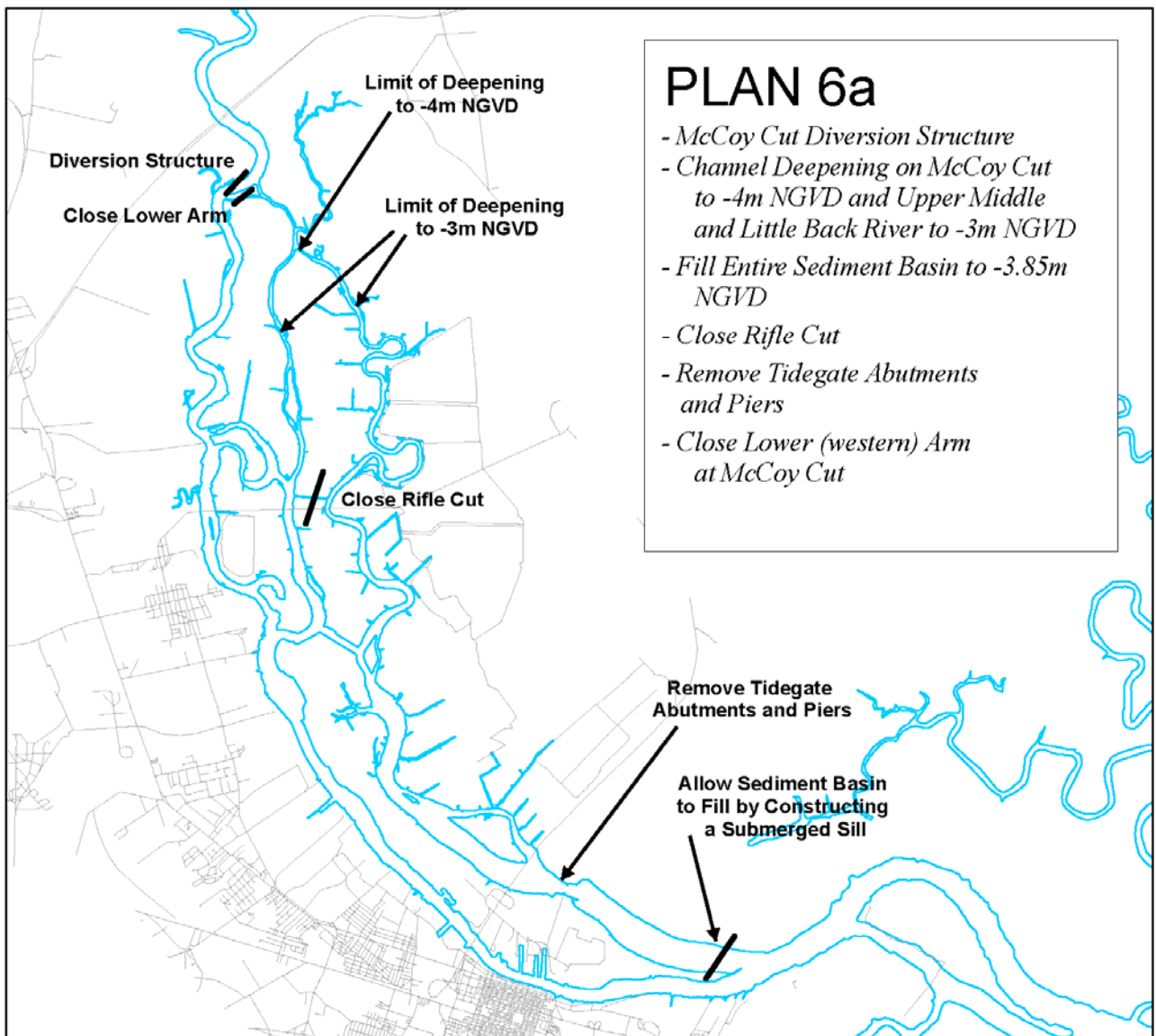
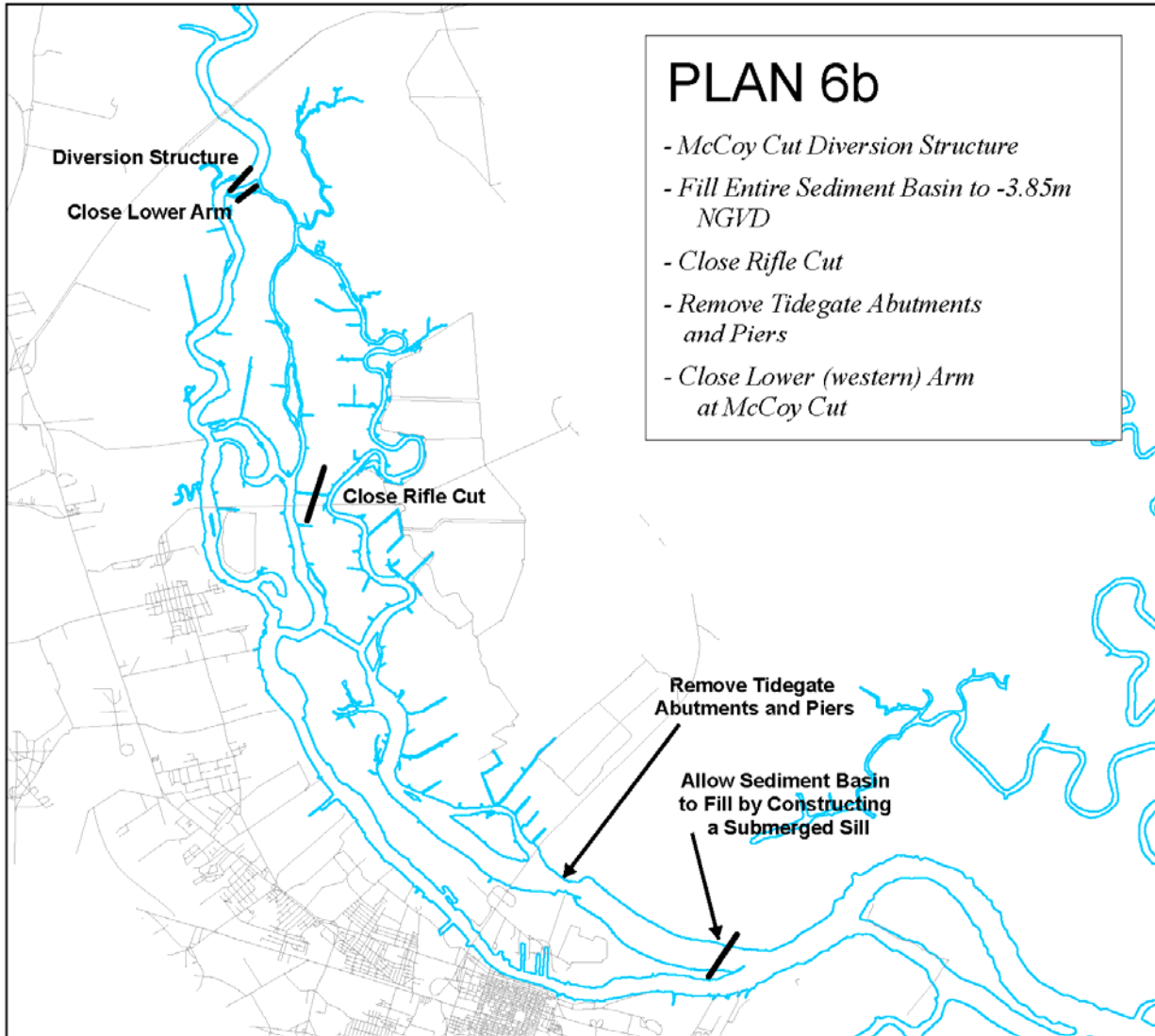


Figure 2: Plan 6b (proposed mitigation for 44 ft channel depth)



The mitigation component of the project to offset impacts to dissolved oxygen (D. O.) concentrations in the river consists of injecting superoxygenated water into the river via Speece Cones. Speece Cones were developed by Dr. Richard Speece and are manufactured by Eco-Oxygen Technologies, LLC. See Figure 3 for a photo of Speece Cones used during a D.O. demonstration project in 2007. These Speece Cones differ from the project proposal in that they were barge-mounted rather than land-based.

The D.O. mitigation plan using Speece Cone technology was developed by Tetra Tech and details of the plan are documented in the report titled *Design of Dissolved Oxygen Improvement Systems in Savannah Harbor* dated February 29, 2008. The D.O. loading required to mitigate for channel depth increases as a result of this study is summarized in Table 1. Locations around the estuary recommended for D.O. injection points are shown in Figure 4.

Figure 3: Savannah Harbor Speece Cone Demonstration Project



Photo from the Georgia Ports Authority demonstration project managed by MACTEC in the summer of 2007. Results of the study are documented in the 2008 MACTEC report titled *Savannah Harbor Reoxygenation Demonstration Project, Savannah, Georgia* which was prepared for the GPA.

Table 1: Summary of Dissolved Oxygen Loading for SHEP Mitigation

Alternative Channel Depth	Flow Altering Mitigation Plan	Speece Cone Location	D.O. Loading Required for Mitigation (kg/day)	D.O. Loading Required for Mitigation (lbs/day)	No. of Speece Cones Required
48 ft	6A	Tide Gate	2,000	4,400	1
		Mulberry Grove	26,000	57,200	12
47 ft	6A	Tide Gate	4,000	8,800	2
		Mulberry Grove	22,000	48,400	10
46 ft	6A	Tide Gate	5,000	11,000	3
		Mulberry Grove	16,000	35,200	8
45 ft	6A	Tide Gate	5,000	11,000	3
		Mulberry Grove	13,000	28,600	6
44 ft	6B	Tide Gate	10,000	22,000	5
		Mulberry Grove	7,000	15,400	4
		I-95 Bridge	7,000	15,400	4

Figure 4: D.O. Injection Locations



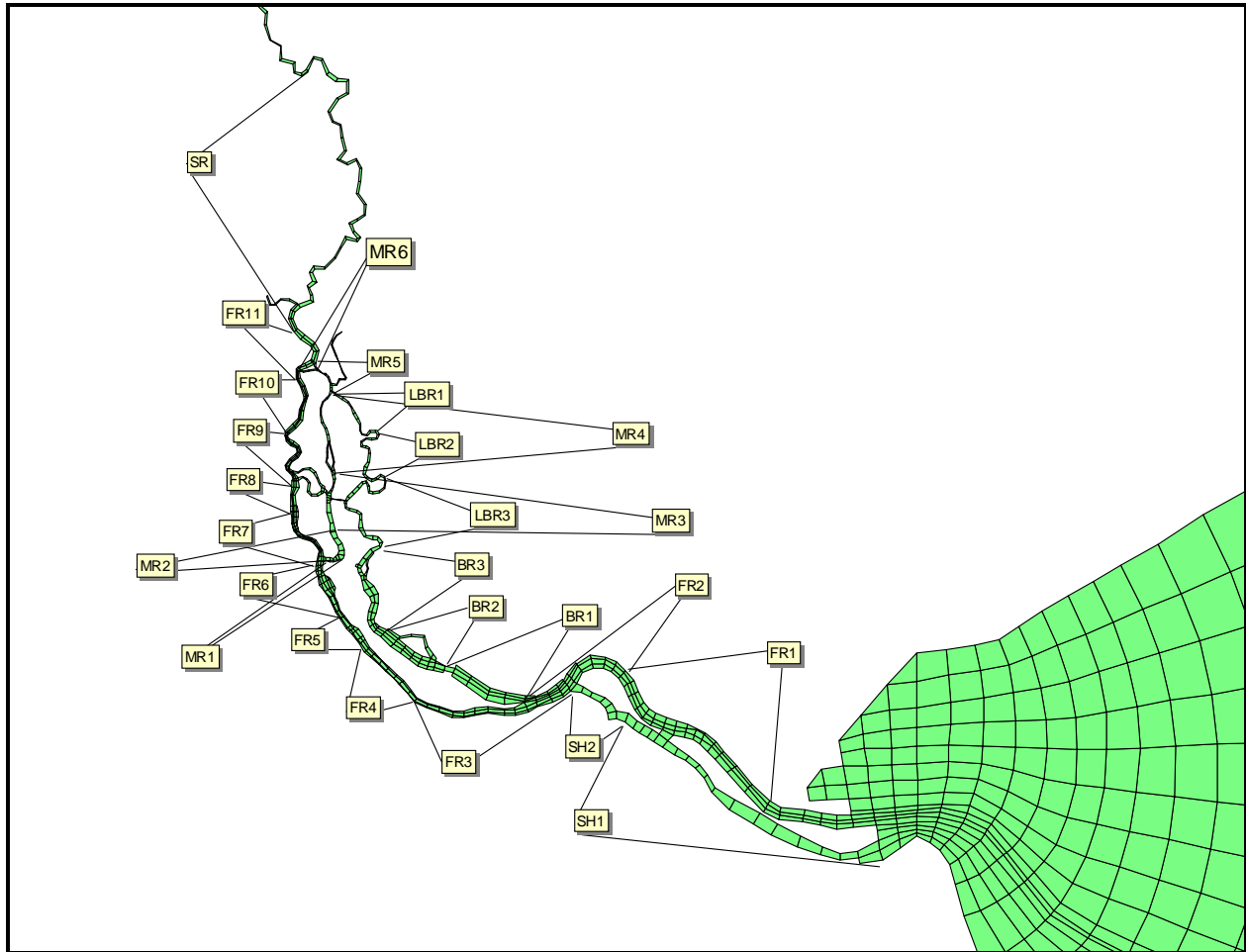
Output Presented

Output presented in this report is supplemental to the output presented in the report titled *Design of Dissolved Oxygen Improvement Systems in Savannah Harbor* prepared by Tetra Tech and dated February 29, 2008. At the request of members of the Water Quality Interagency Coordination Team the output has been expanded to show details on model predicted changes in D.O. for four scenarios.

- Existing conditions, no deepening and no mitigation
- Navigation channel deepening only (44 ft to 48 ft)
- Deepening with flow altering mitigation plan (6a or 6b)
- Deepening with flow altering mitigation plan and the D.O. injection system

The output presented includes various tables showing D.O. concentrations and changes in concentrations for the evaluation period of August 1997 (average freshwater flow year). Since the water quality model grid is refined with a high level of detail it can be difficult to evaluate output datasets. To simplify the evaluation process the estuary has been divided into 27 spatial zones, which are areas where several model grid cells are evaluated as a group. See Figure 5.

Figure 5: Spatial Zones for Water Quality Impact Evaluation



Results

The tables shown in the pages following the Conclusion are divided into sections for each navigation channel depth alternative, with 4 tables associated with each depth alternative and mitigation scenario. The tables present the D.O. percentile distribution in critical cells and zones. Critical cells are defined as the cell within each zone that has the lowest predicted D.O. concentration during the simulation period. In addition to the two tables showing predicted D.O. values for various percentiles for critical cells and zones there are two tables showing the change in D.O. from existing conditions for critical cells and zones.

The maximum D.O. impact to a critical cell (50th percentile value) with a 48 ft deepened channel is 0.56 mg/L and occurs in Zone FR7. With the flow altering mitigation (Plan 6a), this impact is reduced to 0.54 mg/L, which although a reduction, is not enough to fully mitigate for the impact. Once the D.O. mitigation is in place the D.O. impact to the critical cell in this zone falls to 0.01 mg/L, which is essentially a zero impact.

The maximum D.O. concentration impact within the entire zone (50th percentile value) with a 48 ft deepened channel is 0.68 mg/L and occurs in Zone FR7. With the flow altering mitigation (Plan 6a) this impact is not reduced and actually increases to 0.75 mg/L. However, with D.O. mitigation this impact is fully mitigated for and improves the D.O. concentration by 0.05 mg/L over the existing conditions.

Conclusion

The results of this analysis conclude the following:

- 1) That there is an impact to water quality, specifically D.O., within the estuary due to deepening the navigation channel.
- 2) That flow altering mitigation plans, while beneficial for freshwater marshes/wetlands, do not have wide ranging benefits for impacts to D.O.
- 3) That D.O. injection, via Speece Cone technology, is a viable option for mitigating for impacts due to deepening the navigation channel.

Existing Conditions

No Deepening, No Mitigation

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP1997Existing

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.92	3.99	4.05	4.22	4.38	4.52	4.63	4.7	4.74
FR2	3.66	3.76	3.84	4.03	4.22	4.4	4.62	4.69	5.08
FR3	3.49	3.59	3.64	3.87	4.05	4.29	4.78	5.07	5.6
FR4	3.5	3.56	3.62	3.92	4.07	4.4	4.96	5.31	5.5
FR5	3.62	3.74	3.89	4.08	4.31	4.89	5.42	5.63	5.78
FR6	3.69	3.76	3.89	4.12	4.26	4.78	5.57	5.77	5.91
FR7	4.17	4.25	4.33	4.61	5.03	5.98	6.26	6.36	6.49
FR8	4.66	4.78	5.06	5.51	6.12	6.44	6.72	6.85	7.11
FR9	4.88	5.03	5.33	5.72	6.28	6.6	6.85	7.02	7.19
FR10	4.31	4.78	4.95	5.32	5.91	6.43	6.68	7.01	7.22
FR11	4.17	4.7	4.93	5.24	5.67	6.14	6.5	6.64	7.13
MR1	4.41	4.53	4.62	4.89	5.16	5.59	5.89	6	6.22
MR2	4.03	4.15	4.33	4.62	5.07	5.53	5.8	5.9	6.03
MR3	3.7	3.89	4	4.19	4.52	5.07	5.71	5.93	6.19
MR4	3.89	4.03	4.12	4.39	4.61	4.89	5.06	5.18	5.41
MR5	1.49	2.04	2.41	3.05	4.97	6.23	6.57	6.89	7.11
MR6	2.11	2.49	3.01	3.51	5.61	6.36	6.8	7.06	7.32
LBR1	3.57	4.35	4.75	5.13	5.43	5.64	5.97	6.16	6.47
LBR2	3.69	3.86	3.97	4.16	4.39	4.6	4.77	4.88	5.26
LBR3	2.89	3.28	3.47	3.68	3.95	4.34	4.73	4.99	5.24
BR1	3.28	3.41	3.57	3.74	3.97	4.2	4.43	4.53	4.64
BR2	2.55	2.84	2.99	3.24	3.44	3.7	3.84	3.93	4.03
BR3	3.03	3.26	3.44	3.62	3.78	3.95	4.08	4.15	4.25
SCH1	2.39	2.57	2.68	2.83	3.01	3.41	3.77	3.89	4.14
SCH2	3.74	3.91	4.01	4.14	4.33	4.47	4.6	4.68	4.82
SR	4.69	4.74	4.97	5.31	5.62	5.97	6.11	6.16	6.23
StbR	3.84	4.22	4.57	5.04	5.69	6.2	6.49	6.64	6.84

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Baseline Scenario: WASP1997Existing

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.13	4.20	4.26	4.37	4.50	4.59	4.72	4.80	4.84
FR2	3.94	3.99	4.03	4.25	4.37	4.54	4.65	4.69	4.76
FR3	3.70	3.77	3.83	4.03	4.19	4.38	4.71	4.79	4.99
FR4	3.66	3.71	3.75	3.99	4.12	4.37	4.93	5.31	5.54
FR5	3.68	3.76	3.88	4.08	4.27	4.77	5.41	5.65	5.79
FR6	3.96	4.01	4.11	4.32	4.55	5.20	5.78	5.92	6.04
FR7	4.44	4.55	4.69	5.09	5.85	6.18	6.41	6.56	6.70
FR8	4.86	5.05	5.29	5.66	6.15	6.43	6.67	6.80	6.98
FR9	5.67	5.90	6.02	6.26	6.54	6.81	7.07	7.23	7.34
FR10	5.71	5.85	6.02	6.30	6.57	6.81	7.16	7.24	7.32
FR11	4.88	5.10	5.28	5.59	5.88	6.18	6.45	6.55	6.68
MR1	4.48	4.58	4.70	4.89	5.17	5.54	5.84	5.97	6.04
MR2	4.20	4.31	4.51	4.79	5.13	5.50	5.80	5.91	6.03
MR3	3.85	4.04	4.10	4.38	4.74	5.22	5.59	5.72	5.85
MR4	4.39	4.51	4.61	4.78	5.05	5.24	5.44	5.54	5.70
MR5	2.31	2.55	2.97	3.46	5.33	6.16	6.53	6.82	7.01
MR6	2.15	2.53	3.05	3.58	5.69	6.33	6.80	6.94	7.27
LBR1	4.30	4.50	4.59	4.80	4.99	5.19	5.30	5.45	5.57
LBR2	3.70	3.81	3.96	4.13	4.35	4.55	4.71	4.77	4.89
LBR3	3.54	3.58	3.65	3.78	3.95	4.11	4.24	4.35	4.46
BR1	3.53	3.58	3.64	3.90	4.04	4.21	4.43	4.50	4.60
BR2	3.30	3.38	3.46	3.62	3.82	3.99	4.14	4.30	4.39
BR3	3.46	3.51	3.56	3.63	3.74	3.85	3.97	3.99	4.02
SCh1	3.51	3.56	3.63	3.72	3.83	3.95	4.04	4.10	4.16
SCh2	3.94	4.04	4.09	4.25	4.38	4.49	4.61	4.65	4.73
SR	4.90	4.95	5.18	5.52	5.84	6.17	6.35	6.41	6.48
StbR	4.74	4.93	5.09	5.44	5.79	6.09	6.30	6.43	6.56

48 ft Channel Depth

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-6ftonly

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.97	4.03	4.07	4.2	4.33	4.44	4.53	4.6	4.64
FR2	3.66	3.76	3.85	3.99	4.13	4.28	4.43	4.47	4.52
FR3	3.52	3.57	3.63	3.81	3.94	4.1	4.41	4.7	5.26
FR4	3.57	3.6	3.65	3.84	3.95	4.11	4.4	4.68	5.36
FR5	3.69	3.74	3.78	3.91	4.05	4.16	4.52	4.73	4.9
FR6	3.72	3.78	3.85	3.99	4.1	4.27	4.65	4.9	5.11
FR7	4.01	4.13	4.18	4.28	4.47	4.87	5.68	6.03	6.34
FR8	4.38	4.45	4.56	4.81	5.62	6.15	6.45	6.57	6.72
FR9	4.53	4.62	4.76	5.04	5.77	6.32	6.61	6.78	6.89
FR10	4.34	4.82	4.97	5.32	5.91	6.42	6.69	7.01	7.22
FR11	4.24	4.64	4.94	5.25	5.65	6.14	6.51	6.66	7.16
MR1	4.22	4.29	4.38	4.6	4.88	5.11	5.34	5.49	5.86
MR2	4	4.11	4.26	4.52	4.85	5.18	5.43	5.53	5.72
MR3	3.71	3.87	3.97	4.15	4.44	4.89	5.49	5.76	6.16
MR4	3.97	4.16	4.28	4.45	4.72	4.99	5.15	5.3	5.49
MR5	1.49	2.03	2.48	3.09	4.84	6.25	6.58	6.92	7.12
MR6	2.12	2.55	3.01	3.61	5.57	6.39	6.81	7.08	7.34
LBR1	3.55	4.35	4.78	5.22	5.47	5.69	5.98	6.19	6.51
LBR2	3.42	3.84	3.94	4.16	4.42	4.6	4.81	4.97	5.26
LBR3	3.21	3.43	3.49	3.82	4.19	4.64	5.03	5.23	5.49
BR1	3.28	3.43	3.57	3.73	3.94	4.15	4.34	4.43	4.61
BR2	2.58	2.86	2.99	3.31	3.69	3.98	4.14	4.28	4.36
BR3	3.01	3.28	3.43	3.61	3.76	3.91	4.03	4.09	4.18
SCH1	2.38	2.62	2.73	2.88	3.2	3.96	4.32	4.41	4.59
SCH2	3.7	3.8	3.91	4.12	4.27	4.41	4.53	4.63	4.73
SR	4.68	4.74	4.97	5.31	5.62	5.97	6.11	6.16	6.22
StbR	3.53	4.23	4.49	5.06	5.59	5.99	6.28	6.44	6.66

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: WASP-1997-6ftonly

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.05	1.3	0.04	1.0	0.02	0.5	-0.02	-0.5	-0.05	-1.1	-0.08	-1.8	-0.1	-2.2	-0.1	-2.1	-0.1	-2.1
FR2	0	0.0	0	0.0	0.01	0.3	-0.04	-1.0	-0.09	-2.1	-0.12	-2.7	-0.19	-4.1	-0.22	-4.7	-0.56	-11.0
FR3	0.03	0.9	-0.02	-0.6	-0.01	-0.3	-0.06	-1.6	-0.11	-2.7	-0.19	-4.4	-0.37	-7.7	-0.37	-7.3	-0.34	-6.1
FR4	0.07	2.0	0.04	1.1	0.03	0.8	-0.08	-2.0	-0.12	-2.9	-0.29	-6.6	-0.56	-11.3	-0.63	-11.9	-0.14	-2.5
FR5	0.07	1.9	0	0.0	-0.11	-2.8	-0.17	-4.2	-0.26	-6.0	-0.73	-14.9	-0.9	-16.6	-0.9	-16.0	-0.88	-15.2
FR6	0.03	0.8	0.02	0.5	-0.04	-1.0	-0.13	-3.2	-0.16	-3.8	-0.51	-10.7	-0.92	-16.5	-0.87	-15.1	-0.8	-13.5
FR7	-0.16	-3.8	-0.12	-2.8	-0.15	-3.5	-0.33	-7.2	-0.56	-11.1	-1.11	-18.6	-0.58	-9.3	-0.33	-5.2	-0.15	-2.3
FR8	-0.28	-6.0	-0.33	-6.9	-0.5	-9.9	-0.7	-12.7	-0.5	-8.2	-0.29	-4.5	-0.27	-4.0	-0.28	-4.1	-0.39	-5.5
FR9	-0.35	-7.2	-0.41	-8.2	-0.57	-10.7	-0.68	-11.9	-0.51	-8.1	-0.28	-4.2	-0.24	-3.5	-0.24	-3.4	-0.3	-4.2
FR10	0.03	0.7	0.04	0.8	0.02	0.4	0	0.0	0	0.0	-0.01	-0.2	0.01	0.1	0	0.0	0	0.0
FR11	0.07	1.7	-0.06	-1.3	0.01	0.2	0.01	0.2	-0.02	-0.4	0	0.0	0.01	0.2	0.02	0.3	0.03	0.4
MR1	-0.19	-4.3	-0.24	-5.3	-0.24	-5.2	-0.29	-5.9	-0.28	-5.4	-0.48	-8.6	-0.55	-9.3	-0.51	-8.5	-0.36	-5.8
MR2	-0.03	-0.7	-0.04	-1.0	-0.07	-1.6	-0.1	-2.2	-0.22	-4.3	-0.35	-6.3	-0.37	-6.4	-0.37	-6.3	-0.31	-5.1
MR3	0.01	0.3	-0.02	-0.5	-0.03	-0.7	-0.04	-1.0	-0.08	-1.8	-0.18	-3.6	-0.22	-3.9	-0.17	-2.9	-0.03	-0.5
MR4	0.08	2.1	0.13	3.2	0.16	3.9	0.06	1.4	0.11	2.4	0.1	2.0	0.09	1.8	0.12	2.3	0.08	1.5
MR5	0	0.0	-0.01	-0.5	0.07	2.9	0.04	1.3	-0.13	-2.6	0.02	0.3	0.01	0.2	0.03	0.4	0.01	0.1
MR6	0.01	0.5	0.06	2.4	0	0.0	0.1	2.8	-0.04	-0.7	0.03	0.5	0.01	0.1	0.02	0.3	0.02	0.3
LBR1	-0.02	-0.6	0	0.0	0.03	0.6	0.09	1.8	0.04	0.7	0.05	0.9	0.01	0.2	0.03	0.5	0.04	0.6
LBR2	-0.27	-7.3	-0.02	-0.5	-0.03	-0.8	0	0.0	0.03	0.7	0	0.0	0.04	0.8	0.09	1.8	0	0.0
LBR3	0.32	11.1	0.15	4.6	0.02	0.6	0.14	3.8	0.24	6.1	0.3	6.9	0.3	6.3	0.24	4.8	0.25	4.8
BR1	0	0.0	0.02	0.6	0	0.0	-0.01	-0.3	-0.03	-0.8	-0.05	-1.2	-0.09	-2.0	-0.1	-2.2	-0.03	-0.6
BR2	0.03	1.2	0.02	0.7	0	0.0	0.07	2.2	0.25	7.3	0.28	7.6	0.3	7.8	0.35	8.9	0.33	8.2
BR3	-0.02	-0.7	0.02	0.6	-0.01	-0.3	-0.01	-0.3	-0.02	-0.5	-0.04	-1.0	-0.05	-1.2	-0.06	-1.4	-0.07	-1.6
SCH1	-0.01	-0.4	0.05	1.9	0.05	1.9	0.05	1.8	0.19	6.3	0.55	16.1	0.55	14.6	0.52	13.4	0.45	10.9
SCH2	-0.04	-1.1	-0.11	-2.8	-0.1	-2.5	-0.02	-0.5	-0.06	-1.4	-0.06	-1.3	-0.07	-1.5	-0.05	-1.1	-0.09	-1.9
SR	-0.01	-0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	-0.01	-0.2
StbR	-0.31	-8.1	0.01	0.2	-0.08	-1.8	0.02	0.4	-0.1	-1.8	-0.21	-3.4	-0.21	-3.2	-0.2	-3.0	-0.18	-2.6

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Project Scenario: WASP-1997-6ftonly

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.18	4.24	4.30	4.38	4.48	4.57	4.66	4.74	4.82
FR2	3.98	4.02	4.07	4.23	4.34	4.46	4.54	4.59	4.63
FR3	3.76	3.82	3.86	3.99	4.13	4.26	4.41	4.47	4.54
FR4	3.72	3.75	3.77	3.92	4.03	4.15	4.42	4.54	4.77
FR5	3.75	3.79	3.85	4.00	4.12	4.29	4.61	4.88	5.11
FR6	3.93	3.95	4.00	4.15	4.25	4.47	4.94	5.24	5.42
FR7	4.26	4.32	4.42	4.62	5.17	5.76	6.10	6.26	6.38
FR8	4.53	4.65	4.78	5.05	5.69	6.15	6.44	6.55	6.65
FR9	5.13	5.38	5.53	5.92	6.33	6.66	6.89	7.13	7.24
FR10	5.69	5.85	6.02	6.30	6.56	6.82	7.16	7.21	7.32
FR11	4.87	5.11	5.27	5.59	5.89	6.18	6.45	6.56	6.68
MR1	4.27	4.35	4.47	4.65	4.87	5.12	5.32	5.43	5.58
MR2	4.14	4.26	4.39	4.59	4.84	5.10	5.37	5.47	5.57
MR3	3.86	4.03	4.08	4.33	4.63	5.02	5.36	5.47	5.64
MR4	4.42	4.51	4.63	4.79	5.06	5.24	5.45	5.60	5.74
MR5	2.30	2.59	2.99	3.53	5.33	6.18	6.53	6.79	7.03
MR6	2.16	2.63	3.10	3.63	5.69	6.34	6.78	6.96	7.28
LBR1	4.29	4.51	4.60	4.85	5.03	5.22	5.33	5.47	5.60
LBR2	3.68	3.78	3.95	4.14	4.37	4.56	4.74	4.78	4.91
LBR3	3.65	3.73	3.78	3.88	4.03	4.19	4.35	4.43	4.53
BR1	3.55	3.59	3.66	3.86	3.99	4.14	4.32	4.40	4.47
BR2	3.30	3.37	3.44	3.59	3.78	3.95	4.08	4.22	4.31
BR3	3.42	3.48	3.52	3.59	3.71	3.86	3.96	3.99	4.02
SCh1	3.48	3.55	3.61	3.73	3.83	3.93	4.01	4.07	4.12
SCh2	3.94	4.02	4.09	4.21	4.32	4.42	4.51	4.57	4.66
SR	4.90	4.96	5.18	5.52	5.84	6.17	6.35	6.40	6.48
StbR	4.46	4.71	4.91	5.19	5.51	5.80	6.01	6.09	6.20

Difference of D.O. percentiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-6ftonly

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.05	0.04	0.04	0.01	-0.01	-0.02	-0.06	-0.05	-0.03	1.3	1.1	0.9	0.2	-0.3	-0.5	-1.3	-1.1	-0.6
FR2	0.04	0.03	0.04	-0.03	-0.04	-0.08	-0.11	-0.10	-0.13	1.1	0.8	0.9	-0.6	-0.8	-1.8	-2.3	-2.2	-2.7
FR3	0.07	0.05	0.03	-0.03	-0.06	-0.12	-0.30	-0.32	-0.45	1.8	1.3	0.9	-0.8	-1.4	-2.7	-6.4	-6.6	-9.0
FR4	0.06	0.04	0.02	-0.07	-0.09	-0.22	-0.51	-0.77	-0.78	1.7	1.2	0.6	-1.6	-2.2	-5.0	-10.3	-14.5	-14.1
FR5	0.07	0.03	-0.04	-0.07	-0.15	-0.48	-0.80	-0.76	-0.68	1.9	0.9	-1.0	-1.8	-3.5	-10.0	-14.8	-13.5	-11.8
FR6	-0.03	-0.06	-0.11	-0.17	-0.30	-0.73	-0.84	-0.68	-0.62	-0.7	-1.4	-2.7	-3.9	-6.5	-14.0	-14.5	-11.5	-10.2
FR7	-0.18	-0.23	-0.28	-0.47	-0.68	-0.43	-0.31	-0.31	-0.32	-3.9	-5.0	-5.9	-9.2	-11.6	-6.9	-4.9	-4.6	-4.8
FR8	-0.33	-0.40	-0.51	-0.61	-0.47	-0.28	-0.24	-0.25	-0.33	-6.9	-7.9	-9.6	-10.8	-7.6	-4.4	-3.6	-3.7	-4.7
FR9	-0.54	-0.53	-0.49	-0.34	-0.21	-0.15	-0.18	-0.10	-0.10	-9.5	-8.9	-8.1	-5.4	-3.1	-2.1	-2.5	-1.3	-1.3
FR10	-0.02	0.00	0.01	0.00	-0.01	0.01	0.00	-0.03	0.00	-0.3	0.1	0.1	0.0	-0.1	0.1	0.0	-0.4	0.0
FR11	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.01	-0.1	0.1	-0.1	0.1	0.2	0.0	0.0	0.1	0.1
MR1	-0.21	-0.23	-0.23	-0.25	-0.30	-0.42	-0.52	-0.54	-0.47	-4.8	-5.1	-4.8	-5.0	-5.8	-7.5	-8.9	-9.0	-7.7
MR2	-0.06	-0.05	-0.13	-0.19	-0.29	-0.39	-0.43	-0.44	-0.46	-1.4	-1.2	-2.8	-4.0	-5.6	-7.2	-7.4	-7.4	-7.7
MR3	0.00	-0.01	-0.02	-0.05	-0.11	-0.20	-0.23	-0.25	-0.21	0.1	-0.2	-0.5	-1.2	-2.2	-3.8	-4.2	-4.4	-3.6
MR4	0.03	0.00	0.01	0.01	0.01	0.00	0.01	0.06	0.04	0.7	0.1	0.3	0.2	0.2	0.0	0.3	1.0	0.7
MR5	-0.02	0.04	0.03	0.07	0.00	0.02	0.00	-0.04	0.02	-0.7	1.4	0.9	2.0	0.0	0.4	0.0	-0.5	0.3
MR6	0.01	0.09	0.05	0.04	0.00	0.02	-0.02	0.02	0.01	0.5	3.7	1.5	1.2	0.1	0.3	-0.3	0.3	0.1
LBR1	0.00	0.02	0.01	0.05	0.04	0.03	0.03	0.03	0.03	0.0	0.4	0.1	1.0	0.9	0.6	0.6	0.5	0.6
LBR2	-0.01	-0.02	-0.01	0.01	0.01	0.00	0.03	0.01	0.02	-0.4	-0.6	-0.2	0.2	0.3	0.1	0.6	0.3	0.4
LBR3	0.11	0.15	0.12	0.10	0.08	0.08	0.11	0.08	0.06	3.2	4.2	3.4	2.6	2.1	1.9	2.6	1.8	1.4
BR1	0.02	0.01	0.02	-0.04	-0.05	-0.08	-0.11	-0.10	-0.14	0.6	0.3	0.5	-0.9	-1.1	-1.8	-2.5	-2.3	-2.9
BR2	0.00	-0.01	-0.01	-0.02	-0.04	-0.04	-0.06	-0.07	-0.08	0.0	-0.4	-0.4	-0.7	-1.0	-1.0	-1.5	-1.7	-1.8
BR3	-0.04	-0.03	-0.04	-0.04	-0.03	0.01	-0.01	-0.01	0.01	-1.2	-0.9	-1.2	-1.1	-0.8	0.4	-0.3	-0.2	0.2
SCh1	-0.03	0.00	-0.02	0.01	0.00	-0.02	-0.03	-0.03	-0.04	-0.9	-0.1	-0.4	0.2	0.0	-0.6	-0.8	-0.7	-1.0
SCh2	0.00	-0.02	0.00	-0.04	-0.06	-0.08	-0.09	-0.08	-0.07	0.0	-0.6	-0.1	-0.9	-1.4	-1.7	-2.0	-1.7	-1.5
SR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
StbR	-0.28	-0.22	-0.18	-0.25	-0.28	-0.29	-0.29	-0.34	-0.36	-6.0	-4.4	-3.5	-4.5	-4.8	-4.8	-4.6	-5.2	-5.5

48 ft Channel Depth

Mitigation Plan 6a

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-Plan6a_6ft

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.94	4.01	4.06	4.22	4.35	4.47	4.54	4.59	4.64
FR2	3.74	4.09	4.19	4.32	4.47	4.6	4.76	4.8	4.93
FR3	3.61	3.66	3.7	3.93	4.02	4.16	4.53	4.96	5.36
FR4	3.62	3.66	3.72	3.93	4.05	4.24	4.58	5	5.47
FR5	3.74	3.78	3.85	4.02	4.15	4.28	4.67	4.84	5.03
FR6	3.72	3.81	3.89	4.06	4.18	4.33	4.74	4.93	5.15
FR7	3.99	4.12	4.19	4.32	4.49	4.87	5.61	6.05	6.3
FR8	4.35	4.43	4.55	4.8	5.51	6.05	6.39	6.56	6.7
FR9	5.12	5.49	5.64	5.98	6.34	6.62	6.91	7.14	7.49
FR10	4.69	5.04	5.24	5.55	5.9	6.33	6.59	6.85	7.16
FR11	4.18	4.59	4.81	5.12	5.65	6.14	6.4	6.66	6.93
MR1	4.18	4.32	4.41	4.64	4.9	5.15	5.43	5.54	5.97
MR2	4.22	4.35	4.47	4.7	4.95	5.2	5.51	5.61	5.74
MR3	4.19	4.34	4.44	4.61	4.94	5.15	5.38	5.56	5.78
MR4	4.35	4.44	4.57	4.76	5.05	5.32	5.59	5.7	5.99
MR5	2.2	2.77	3.12	3.87	5.36	6.2	6.52	6.78	7.03
MR6	6.14	6.31	6.45	6.64	6.91	7.23	7.43	7.51	7.61
LBR1	4.07	4.82	5.1	5.5	5.8	6.1	6.32	6.54	6.7
LBR2	4.29	4.57	4.69	4.93	5.15	5.39	5.56	5.7	5.81
LBR3	2.51	2.66	2.8	3.02	3.3	3.64	3.82	3.91	4.06
BR1	1.91	2.32	2.81	3.52	4.12	4.69	4.92	5	5.07
BR2	1.62	1.98	2.18	2.57	3.04	3.63	3.93	4.02	4.14
BR3	1.8	2.03	2.14	2.3	2.55	3.02	3.47	3.6	3.82
SCH1	2.24	2.53	2.69	2.86	3.16	3.95	4.24	4.42	4.6
SCH2	3.7	3.8	3.91	4.12	4.28	4.41	4.53	4.6	4.69
SR	4.68	4.73	4.96	5.3	5.61	5.96	6.1	6.15	6.22
StbR	3.68	4.31	4.53	5.07	5.62	6.01	6.3	6.39	6.62

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing
 Project: Scenario: WASP-1997-Plan6a_6ft

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.02	0.5	0.02	0.5	0.01	0.2	0	0.0	-0.03	-0.7	-0.05	-1.1	-0.09	-1.9	-0.11	-2.3	-0.1	-2.1
FR2	0.08	2.2	0.33	8.8	0.35	9.1	0.29	7.2	0.25	5.9	0.2	4.5	0.14	3.0	0.11	2.3	-0.15	-3.0
FR3	0.12	3.4	0.07	1.9	0.06	1.6	0.06	1.6	-0.03	-0.7	-0.13	-3.0	-0.25	-5.2	-0.11	-2.2	-0.24	-4.3
FR4	0.12	3.4	0.1	2.8	0.1	2.8	0.01	0.3	-0.02	-0.5	-0.16	-3.6	-0.38	-7.7	-0.31	-5.8	-0.03	-0.5
FR5	0.12	3.3	0.04	1.1	-0.04	-1.0	-0.06	-1.5	-0.16	-3.7	-0.61	-12.5	-0.75	-13.8	-0.79	-14.0	-0.75	-13.0
FR6	0.03	0.8	0.05	1.3	0	0.0	-0.06	-1.5	-0.08	-1.9	-0.45	-9.4	-0.83	-14.9	-0.84	-14.6	-0.76	-12.9
FR7	-0.18	-4.3	-0.13	-3.1	-0.14	-3.2	-0.29	-6.3	-0.54	-10.7	-1.11	-18.6	-0.65	-10.4	-0.31	-4.9	-0.19	-2.9
FR8	-0.31	-6.7	-0.35	-7.3	-0.51	-10.1	-0.71	-12.9	-0.61	-10.0	-0.39	-6.1	-0.33	-4.9	-0.29	-4.2	-0.41	-5.8
FR9	0.24	4.9	0.46	9.1	0.31	5.8	0.26	4.5	0.06	1.0	0.02	0.3	0.06	0.9	0.12	1.7	0.3	4.2
FR10	0.38	8.8	0.26	5.4	0.29	5.9	0.23	4.3	-0.01	-0.2	-0.1	-1.6	-0.09	-1.3	-0.16	-2.3	-0.06	-0.8
FR11	0.01	0.2	-0.11	-2.3	-0.12	-2.4	-0.12	-2.3	-0.02	-0.4	0	0.0	-0.1	-1.5	0.02	0.3	-0.2	-2.8
MR1	-0.23	-5.2	-0.21	-4.6	-0.21	-4.5	-0.25	-5.1	-0.26	-5.0	-0.44	-7.9	-0.46	-7.8	-0.46	-7.7	-0.25	-4.0
MR2	0.19	4.7	0.2	4.8	0.14	3.2	0.08	1.7	-0.12	-2.4	-0.33	-6.0	-0.29	-5.0	-0.29	-4.9	-0.29	-4.8
MR3	0.49	13.2	0.45	11.6	0.44	11.0	0.42	10.0	0.42	9.3	0.08	1.6	-0.33	-5.8	-0.37	-6.2	-0.41	-6.6
MR4	0.46	11.8	0.41	10.2	0.45	10.9	0.37	8.4	0.44	9.5	0.43	8.8	0.53	10.5	0.52	10.0	0.58	10.7
MR5	0.71	47.7	0.73	35.8	0.71	29.5	0.82	26.9	0.39	7.8	-0.03	-0.5	-0.05	-0.8	-0.11	-1.6	-0.08	-1.1
MR6	4.03	191.0	3.82	153.4	3.44	114.3	3.13	89.2	1.3	23.2	0.87	13.7	0.63	9.3	0.45	6.4	0.29	4.0
LBR1	0.5	14.0	0.47	10.8	0.35	7.4	0.37	7.2	0.37	6.8	0.46	8.2	0.35	5.9	0.38	6.2	0.23	3.6
LBR2	0.6	16.3	0.71	18.4	0.72	18.1	0.77	18.5	0.76	17.3	0.79	17.2	0.79	16.6	0.82	16.8	0.55	10.5
LBR3	-0.38	-13.1	-0.62	-18.9	-0.67	-19.3	-0.66	-17.9	-0.65	-16.5	-0.7	-16.1	-0.91	-19.2	-1.08	-21.6	-1.18	-22.5
BR1	-1.37	-41.8	-1.09	-32.0	-0.76	-21.3	-0.22	-5.9	0.15	3.8	0.49	11.7	0.49	11.1	0.47	10.4	0.43	9.3
BR2	-0.93	-36.5	-0.86	-30.3	-0.81	-27.1	-0.67	-20.7	-0.4	-11.6	-0.07	-1.9	0.09	2.3	0.09	2.3	0.11	2.7
BR3	-1.23	-40.6	-1.23	-37.7	-1.3	-37.8	-1.32	-36.5	-1.23	-32.5	-0.93	-23.5	-0.61	-15.0	-0.55	-13.3	-0.43	-10.1
SCH1	-0.15	-6.3	-0.04	-1.6	0.01	0.4	0.03	1.1	0.15	5.0	0.54	15.8	0.47	12.5	0.53	13.6	0.46	11.1
SCH2	-0.04	-1.1	-0.11	-2.8	-0.1	-2.5	-0.02	-0.5	-0.05	-1.2	-0.06	-1.3	-0.07	-1.5	-0.08	-1.7	-0.13	-2.7
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	-0.16	-4.2	0.09	2.1	-0.04	-0.9	0.03	0.6	-0.07	-1.2	-0.19	-3.1	-0.19	-2.9	-0.25	-3.8	-0.22	-3.2

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: WASP-1997-Plan6a_6ft

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.14	4.20	4.26	4.39	4.48	4.57	4.63	4.72	4.80
FR2	3.98	4.01	4.04	4.27	4.38	4.50	4.58	4.62	4.68
FR3	3.80	3.84	3.90	4.08	4.20	4.34	4.49	4.56	4.61
FR4	3.76	3.78	3.80	4.03	4.10	4.23	4.51	4.63	4.82
FR5	3.80	3.83	3.91	4.09	4.20	4.37	4.71	4.94	5.15
FR6	3.94	3.96	4.00	4.22	4.30	4.53	5.02	5.29	5.46
FR7	4.24	4.33	4.41	4.62	5.10	5.68	6.08	6.23	6.39
FR8	4.51	4.66	4.73	5.02	5.61	6.11	6.41	6.51	6.62
FR9	5.05	5.25	5.43	5.78	6.27	6.60	6.84	7.03	7.16
FR10	5.47	5.76	5.90	6.16	6.47	6.73	7.08	7.18	7.25
FR11	4.54	4.75	4.91	5.18	5.50	5.76	6.00	6.12	6.30
MR1	4.28	4.39	4.53	4.69	4.93	5.14	5.38	5.48	5.70
MR2	4.25	4.40	4.54	4.73	4.94	5.12	5.41	5.54	5.63
MR3	4.31	4.40	4.51	4.72	4.96	5.14	5.32	5.39	5.55
MR4	4.76	4.91	5.02	5.22	5.52	5.75	5.96	6.16	6.31
MR5	3.25	3.52	3.92	4.38	5.61	6.19	6.49	6.75	6.95
MR6	2.93	3.21	3.42	3.71	4.21	4.67	4.88	5.03	5.14
LBR1	4.62	4.94	5.01	5.26	5.49	5.72	5.95	6.08	6.17
LBR2	4.31	4.41	4.51	4.72	4.95	5.15	5.31	5.41	5.53
LBR3	3.33	3.45	3.56	3.74	3.96	4.17	4.36	4.42	4.56
BR1	2.68	3.34	3.67	4.06	4.29	4.51	4.65	4.69	4.82
BR2	2.02	2.21	2.37	2.78	3.33	3.76	4.06	4.18	4.37
BR3	2.28	2.40	2.48	2.60	2.75	2.89	3.02	3.07	3.13
SCh1	3.39	3.51	3.58	3.73	3.82	3.92	3.99	4.06	4.14
SCh2	3.93	4.02	4.07	4.22	4.34	4.44	4.52	4.56	4.66
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.40	6.47
StbR	4.68	4.88	5.01	5.28	5.59	5.82	5.96	6.05	6.18

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-Plan6a_6ft

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.02	0.00	0.00	0.01	-0.02	-0.02	-0.09	-0.07	-0.05	0.4	0.1	0.0	0.3	-0.4	-0.4	-1.9	-1.5	-1.0
FR2	0.04	0.01	0.01	0.01	0.00	-0.04	-0.06	-0.07	-0.08	1.0	0.3	0.2	0.3	0.1	-0.9	-1.4	-1.4	-1.6
FR3	0.10	0.07	0.06	0.06	0.01	-0.04	-0.23	-0.23	-0.38	2.8	1.9	1.7	1.4	0.2	-0.9	-4.8	-4.8	-7.5
FR4	0.10	0.07	0.06	0.04	-0.02	-0.14	-0.43	-0.67	-0.72	2.8	1.9	1.5	1.1	-0.5	-3.2	-8.7	-12.7	-13.1
FR5	0.12	0.07	0.03	0.01	-0.08	-0.40	-0.70	-0.71	-0.65	3.2	1.9	0.8	0.2	-1.8	-8.3	-12.9	-12.5	-11.2
FR6	-0.02	-0.05	-0.11	-0.10	-0.25	-0.67	-0.76	-0.63	-0.59	-0.6	-1.2	-2.7	-2.4	-5.4	-12.8	-13.1	-10.7	-9.7
FR7	-0.20	-0.22	-0.28	-0.47	-0.75	-0.51	-0.34	-0.34	-0.31	-4.5	-4.7	-5.9	-9.1	-12.9	-8.2	-5.3	-5.1	-4.6
FR8	-0.35	-0.40	-0.55	-0.64	-0.54	-0.32	-0.27	-0.30	-0.35	-7.2	-7.8	-10.5	-11.2	-8.8	-5.0	-4.0	-4.4	-5.1
FR9	-0.62	-0.66	-0.59	-0.48	-0.27	-0.21	-0.23	-0.20	-0.18	-11.0	-11.1	-9.8	-7.7	-4.1	-3.1	-3.3	-2.7	-2.5
FR10	-0.25	-0.09	-0.11	-0.14	-0.09	-0.08	-0.09	-0.06	-0.07	-4.3	-1.6	-1.9	-2.2	-1.4	-1.2	-1.2	-0.8	-1.0
FR11	-0.33	-0.35	-0.37	-0.40	-0.38	-0.42	-0.45	-0.44	-0.38	-6.9	-6.9	-7.0	-7.2	-6.5	-6.7	-7.0	-6.7	-5.7
MR1	-0.20	-0.19	-0.17	-0.20	-0.24	-0.40	-0.47	-0.48	-0.34	-4.6	-4.2	-3.7	-4.1	-4.7	-7.2	-8.0	-8.1	-5.7
MR2	0.05	0.09	0.03	-0.05	-0.18	-0.37	-0.40	-0.37	-0.40	1.3	2.1	0.6	-1.1	-3.6	-6.8	-6.8	-6.3	-6.7
MR3	0.46	0.36	0.41	0.34	0.22	-0.08	-0.27	-0.33	-0.30	11.9	9.0	9.9	7.7	4.6	-1.6	-4.8	-5.8	-5.2
MR4	0.37	0.41	0.40	0.43	0.46	0.51	0.52	0.62	0.61	8.4	9.0	8.8	9.1	9.2	9.7	9.6	11.2	10.7
MR5	0.93	0.97	0.95	0.92	0.28	0.03	-0.03	-0.07	-0.06	40.4	37.9	32.1	26.5	5.2	0.5	-0.5	-1.0	-0.8
MR6	0.78	0.68	0.37	0.13	-1.48	-1.65	-1.92	-1.91	-2.14	36.4	26.8	12.0	3.7	-25.9	-26.1	-28.2	-27.5	-29.4
LBR1	0.32	0.44	0.42	0.47	0.50	0.53	0.66	0.63	0.60	7.5	9.9	9.2	9.7	10.0	10.2	12.4	11.6	10.8
LBR2	0.62	0.61	0.55	0.58	0.60	0.60	0.60	0.64	0.63	16.7	16.0	13.9	14.1	13.8	13.2	12.8	13.5	12.9
LBR3	-0.21	-0.13	-0.09	-0.05	0.01	0.07	0.12	0.07	0.10	-5.9	-3.7	-2.6	-1.2	0.3	1.6	2.9	1.7	2.2
BR1	-0.84	-0.24	0.03	0.16	0.26	0.30	0.22	0.19	0.22	-23.9	-6.8	0.9	4.1	6.4	7.0	5.0	4.2	4.7
BR2	-1.28	-1.17	-1.09	-0.83	-0.49	-0.23	-0.09	-0.12	-0.02	-38.8	-34.7	-31.5	-23.1	-12.8	-5.6	-2.1	-2.7	-0.4
BR3	-1.17	-1.11	-1.08	-1.03	-0.99	-0.96	-0.95	-0.92	-0.89	-34.0	-31.5	-30.3	-28.3	-26.5	-24.8	-23.9	-23.1	-22.2
SCh1	-0.12	-0.05	-0.05	0.01	-0.01	-0.03	-0.04	-0.04	-0.03	-3.3	-1.4	-1.3	0.2	-0.2	-0.8	-1.1	-0.9	-0.7
SCh2	-0.01	-0.02	-0.02	-0.03	-0.04	-0.06	-0.09	-0.09	-0.07	-0.2	-0.4	-0.5	-0.6	-0.9	-1.2	-1.9	-1.8	-1.5
SR	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	-0.07	-0.05	-0.08	-0.16	-0.20	-0.27	-0.34	-0.38	-0.38	-1.4	-1.0	-1.5	-2.9	-3.5	-4.5	-5.4	-5.9	-5.7

48 ft Channel Depth

Mitigation Plan 6a

D.O. Mitigation

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: 6A6ft-withDOmitigation

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.02	4.07	4.12	4.32	4.46	4.61	4.7	4.73	4.85
FR2	3.89	3.99	4.06	4.31	4.49	4.64	4.89	4.96	5.01
FR3	3.78	3.84	3.9	4.16	4.32	4.53	5.07	5.64	6.09
FR4	3.8	3.85	3.91	4.18	4.34	4.57	5.03	5.56	6.14
FR5	3.93	3.99	4.07	4.31	4.48	4.72	5.27	5.55	5.76
FR6	3.91	4.05	4.15	4.39	4.55	4.81	5.39	5.65	5.95
FR7	4.32	4.47	4.55	4.77	5.02	5.59	6.51	6.98	7.36
FR8	4.82	4.95	5.15	5.46	6.73	8.12	9.16	9.65	10.06
FR9	5.59	6.21	6.44	6.79	7.45	8.18	8.78	9.09	10.65
FR10	4.69	5.04	5.24	5.55	5.9	6.33	6.59	6.85	7.15
FR11	4.18	4.59	4.81	5.12	5.65	6.14	6.4	6.66	6.93
MR1	4.57	4.76	4.93	5.2	5.53	5.84	6.21	6.33	6.55
MR2	4.48	4.61	4.73	5.02	5.39	5.79	6.05	6.28	6.45
MR3	4.38	4.5	4.62	4.83	5.15	5.48	5.75	5.9	6.23
MR4	4.49	4.63	4.7	4.91	5.17	5.39	5.61	5.7	5.99
MR5	2.2	2.77	3.12	3.87	5.36	6.2	6.52	6.78	7.03
MR6	6.14	6.31	6.45	6.64	6.91	7.23	7.43	7.51	7.61
LBR1	4.07	4.82	5.1	5.5	5.8	6.1	6.32	6.54	6.7
LBR2	4.29	4.57	4.69	4.93	5.15	5.39	5.56	5.7	5.81
LBR3	2.57	2.66	2.8	3.03	3.3	3.64	3.82	3.91	4.06
BR1	2.87	3.57	3.89	4.47	4.81	5.2	5.48	5.59	5.71
BR2	2.36	2.62	2.8	3.49	4.28	4.68	4.84	5.01	5.26
BR3	2.3	2.41	2.47	2.54	2.72	2.95	3.26	3.48	3.73
SCH1	2.42	2.72	2.86	3.04	3.32	4.07	4.31	4.48	4.64
SCH2	3.92	4.06	4.16	4.35	4.52	4.66	4.76	4.85	4.93
SR	4.68	4.73	4.96	5.3	5.61	5.96	6.1	6.15	6.22
StbR	4.09	4.89	5.32	6.07	7.02	7.86	8.46	8.76	9.2

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: 6A6ft-withDOmitigation

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.1	2.6	0.08	2.0	0.07	1.7	0.1	2.4	0.08	1.8	0.09	2.0	0.07	1.5	0.03	0.6	0.11	2.3
FR2	0.23	6.3	0.23	6.1	0.22	5.7	0.28	6.9	0.27	6.4	0.24	5.5	0.27	5.8	0.27	5.8	-0.07	-1.4
FR3	0.29	8.3	0.25	7.0	0.26	7.1	0.29	7.5	0.27	6.7	0.24	5.6	0.29	6.1	0.57	11.2	0.49	8.8
FR4	0.3	8.6	0.29	8.1	0.29	8.0	0.26	6.6	0.27	6.6	0.17	3.9	0.07	1.4	0.25	4.7	0.64	11.6
FR5	0.31	8.6	0.25	6.7	0.18	4.6	0.23	5.6	0.17	3.9	-0.17	-3.5	-0.15	-2.8	-0.08	-1.4	-0.02	-0.3
FR6	0.22	6.0	0.29	7.7	0.26	6.7	0.27	6.6	0.29	6.8	0.03	0.6	-0.18	-3.2	-0.12	-2.1	0.04	0.7
FR7	0.15	3.6	0.22	5.2	0.22	5.1	0.16	3.5	-0.01	-0.2	-0.39	-6.5	0.25	4.0	0.62	9.7	0.87	13.4
FR8	0.16	3.4	0.17	3.6	0.09	1.8	-0.05	-0.9	0.61	10.0	1.68	26.1	2.44	36.3	2.8	40.9	2.95	41.5
FR9	0.71	14.5	1.18	23.5	1.11	20.8	1.07	18.7	1.17	18.6	1.58	23.9	1.93	28.2	2.07	29.5	3.46	48.1
FR10	0.38	8.8	0.26	5.4	0.29	5.9	0.23	4.3	-0.01	-0.2	-0.1	-1.6	-0.09	-1.3	-0.16	-2.3	-0.07	-1.0
FR11	0.01	0.2	-0.11	-2.3	-0.12	-2.4	-0.12	-2.3	-0.02	-0.4	0	0.0	-0.1	-1.5	0.02	0.3	-0.2	-2.8
MR1	0.16	3.6	0.23	5.1	0.31	6.7	0.31	6.3	0.37	7.2	0.25	4.5	0.32	5.4	0.33	5.5	0.33	5.3
MR2	0.45	11.2	0.46	11.1	0.4	9.2	0.4	8.7	0.32	6.3	0.26	4.7	0.25	4.3	0.38	6.4	0.42	7.0
MR3	0.68	18.4	0.61	15.7	0.62	15.5	0.64	15.3	0.63	13.9	0.41	8.1	0.04	0.7	-0.03	-0.5	0.04	0.6
MR4	0.6	15.4	0.6	14.9	0.58	14.1	0.52	11.8	0.56	12.1	0.5	10.2	0.55	10.9	0.52	10.0	0.58	10.7
MR5	0.71	47.7	0.73	35.8	0.71	29.5	0.82	26.9	0.39	7.8	-0.03	-0.5	-0.05	-0.8	-0.11	-1.6	-0.08	-1.1
MR6	4.03	191.0	3.82	153.4	3.44	114.3	3.13	89.2	1.3	23.2	0.87	13.7	0.63	9.3	0.45	6.4	0.29	4.0
LBR1	0.5	14.0	0.47	10.8	0.35	7.4	0.37	7.2	0.37	6.8	0.46	8.2	0.35	5.9	0.38	6.2	0.23	3.6
LBR2	0.6	16.3	0.71	18.4	0.72	18.1	0.77	18.5	0.76	17.3	0.79	17.2	0.79	16.6	0.82	16.8	0.55	10.5
LBR3	-0.32	-11.1	-0.62	-18.9	-0.67	-19.3	-0.65	-17.7	-0.65	-16.5	-0.7	-16.1	-0.91	-19.2	-1.08	-21.6	-1.18	-22.5
BR1	-0.41	-12.5	0.16	4.7	0.32	9.0	0.73	19.5	0.84	21.2	1	23.8	1.05	23.7	1.06	23.4	1.07	23.1
BR2	-0.19	-7.5	-0.22	-7.7	-0.19	-6.4	0.25	7.7	0.84	24.4	0.98	26.5	1	26.0	1.08	27.5	1.23	30.5
BR3	-0.73	-24.1	-0.85	-26.1	-0.97	-28.2	-1.08	-29.8	-1.06	-28.0	-1	-25.3	-0.82	-20.1	-0.67	-16.1	-0.52	-12.2
SCH1	0.03	1.3	0.15	5.8	0.18	6.7	0.21	7.4	0.31	10.3	0.66	19.4	0.54	14.3	0.59	15.2	0.5	12.1
SCH2	0.18	4.8	0.15	3.8	0.15	3.7	0.21	5.1	0.19	4.4	0.19	4.3	0.16	3.5	0.17	3.6	0.11	2.3
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	0.25	6.5	0.67	15.9	0.75	16.4	1.03	20.4	1.33	23.4	1.66	26.8	1.97	30.4	2.12	31.9	2.36	34.5

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: 6A6ft-withDOmitigation

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.18	4.23	4.29	4.45	4.56	4.63	4.68	4.76	4.82
FR2	4.11	4.13	4.16	4.45	4.58	4.74	4.87	4.93	4.98
FR3	3.96	4.02	4.07	4.33	4.47	4.63	4.94	5.00	5.05
FR4	3.95	3.97	4.01	4.29	4.43	4.58	5.01	5.22	5.48
FR5	4.00	4.06	4.17	4.40	4.56	4.84	5.32	5.64	5.94
FR6	4.21	4.26	4.33	4.60	4.75	5.10	5.76	6.16	6.33
FR7	4.64	4.77	4.93	5.19	5.90	6.65	7.22	7.38	7.51
FR8	5.07	5.26	5.40	5.75	6.98	7.98	8.83	9.05	9.32
FR9	6.58	6.92	7.25	7.52	8.06	8.49	8.77	9.03	9.19
FR10	5.47	5.76	5.91	6.18	6.53	6.81	7.16	7.30	7.69
FR11	4.54	4.75	4.91	5.18	5.50	5.76	6.00	6.12	6.30
MR1	4.69	4.86	5.03	5.24	5.52	5.81	6.06	6.31	6.44
MR2	4.58	4.69	4.88	5.17	5.47	5.74	6.06	6.29	6.41
MR3	4.47	4.59	4.73	4.90	5.17	5.47	5.67	5.88	6.05
MR4	4.83	4.94	5.06	5.26	5.54	5.78	5.98	6.16	6.31
MR5	3.25	3.52	3.92	4.38	5.61	6.19	6.49	6.75	6.95
MR6	2.93	3.21	3.42	3.71	4.21	4.67	4.88	5.03	5.14
LBR1	4.62	4.94	5.01	5.26	5.49	5.72	5.95	6.08	6.17
LBR2	4.31	4.41	4.51	4.72	4.95	5.16	5.31	5.41	5.53
LBR3	3.33	3.45	3.56	3.74	3.96	4.18	4.37	4.42	4.56
BR1	4.13	4.47	4.64	4.78	4.97	5.18	5.30	5.35	5.43
BR2	2.70	3.00	3.24	3.76	4.34	4.75	4.91	4.98	5.10
BR3	2.68	2.74	2.80	2.91	3.05	3.22	3.34	3.45	3.61
SCh1	3.55	3.67	3.74	3.89	4.00	4.07	4.13	4.19	4.24
SCh2	4.13	4.22	4.26	4.45	4.56	4.65	4.74	4.77	4.83
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.40	6.47
StbR	5.15	5.54	5.78	6.25	6.76	7.21	7.51	7.62	7.81

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: 6A6ft-withD0mitigation

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.05	0.04	0.03	0.08	0.06	0.04	-0.04	-0.04	-0.02	1.2	0.9	0.8	1.7	1.4	0.9	-0.9	-0.9	-0.5
FR2	0.16	0.13	0.13	0.19	0.20	0.20	0.22	0.24	0.22	4.2	3.4	3.2	4.6	4.7	4.4	4.7	5.1	4.7
FR3	0.27	0.25	0.23	0.30	0.28	0.24	0.23	0.21	0.06	7.2	6.6	6.1	7.4	6.7	5.6	4.9	4.4	1.1
FR4	0.29	0.26	0.26	0.31	0.30	0.21	0.08	-0.08	-0.06	8.0	7.1	7.0	7.7	7.4	4.8	1.7	-1.6	-1.1
FR5	0.32	0.30	0.29	0.32	0.29	0.07	-0.09	0.00	0.14	8.7	7.9	7.4	7.8	6.7	1.6	-1.7	0.0	2.4
FR6	0.25	0.25	0.21	0.28	0.20	-0.10	-0.01	0.24	0.29	6.4	6.3	5.2	6.4	4.5	-1.9	-0.2	4.0	4.8
FR7	0.20	0.22	0.24	0.10	0.05	0.46	0.80	0.82	0.81	4.4	4.9	5.1	1.9	0.8	7.5	12.5	12.4	12.1
FR8	0.21	0.21	0.11	0.09	0.83	1.54	2.16	2.25	2.35	4.4	4.1	2.1	1.6	13.4	24.0	32.3	33.0	33.6
FR9	0.91	1.02	1.23	1.26	1.52	1.68	1.70	1.80	1.85	16.1	17.2	20.5	20.2	23.3	24.7	24.1	25.0	25.2
FR10	-0.25	-0.09	-0.10	-0.12	-0.04	0.00	0.00	0.06	0.37	-4.3	-1.6	-1.7	-2.0	-0.5	0.0	0.0	0.8	5.0
FR11	-0.33	-0.35	-0.37	-0.40	-0.38	-0.42	-0.45	-0.44	-0.38	-6.9	-6.9	-7.0	-7.2	-6.5	-6.7	-7.0	-6.7	-5.7
MR1	0.21	0.28	0.33	0.35	0.35	0.27	0.22	0.34	0.40	4.6	6.1	7.0	7.2	6.7	4.9	3.7	5.7	6.6
MR2	0.39	0.37	0.37	0.39	0.34	0.25	0.25	0.39	0.38	9.3	8.6	8.3	8.0	6.7	4.5	4.4	6.5	6.4
MR3	0.61	0.56	0.63	0.52	0.43	0.25	0.08	0.16	0.20	15.9	13.8	15.3	11.9	9.1	4.7	1.5	2.8	3.4
MR4	0.44	0.43	0.44	0.48	0.48	0.53	0.54	0.62	0.61	10.1	9.6	9.6	9.9	9.5	10.1	9.9	11.2	10.8
MR5	0.93	0.97	0.96	0.92	0.28	0.03	-0.03	-0.07	-0.06	40.4	37.9	32.2	26.5	5.2	0.5	-0.5	-1.0	-0.8
MR6	0.79	0.68	0.37	0.13	-1.48	-1.65	-1.92	-1.91	-2.14	36.6	26.8	12.0	3.7	-25.9	-26.1	-28.2	-27.5	-29.4
LBR1	0.32	0.44	0.42	0.47	0.50	0.53	0.66	0.63	0.60	7.5	9.9	9.2	9.7	10.0	10.2	12.4	11.6	10.8
LBR2	0.62	0.61	0.55	0.59	0.60	0.60	0.60	0.64	0.63	16.7	16.0	13.9	14.2	13.8	13.2	12.8	13.5	12.9
LBR3	-0.21	-0.13	-0.09	-0.04	0.01	0.07	0.13	0.07	0.10	-5.9	-3.7	-2.6	-1.2	0.4	1.6	2.9	1.7	2.2
BR1	0.61	0.89	1.00	0.88	0.94	0.96	0.87	0.85	0.83	17.2	24.8	27.5	22.7	23.2	22.8	19.7	18.8	18.0
BR2	-0.60	-0.38	-0.22	0.15	0.53	0.76	0.76	0.69	0.71	-18.2	-11.2	-6.4	4.1	13.8	19.2	18.4	16.0	16.1
BR3	-0.78	-0.77	-0.76	-0.72	-0.69	-0.63	-0.63	-0.54	-0.41	-22.6	-21.9	-21.3	-19.7	-18.3	-16.5	-15.9	-13.5	-10.1
SCh1	0.05	0.11	0.12	0.17	0.17	0.12	0.09	0.09	0.08	1.3	3.1	3.2	4.4	4.4	3.0	2.3	2.2	1.8
SCh2	0.19	0.17	0.17	0.20	0.18	0.16	0.13	0.13	0.11	4.9	4.3	4.0	4.7	4.2	3.5	2.9	2.7	2.3
SR	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.40	0.61	0.69	0.82	0.97	1.12	1.21	1.19	1.26	8.5	12.3	13.6	15.0	16.8	18.3	19.2	18.5	19.1

47 ft Channel Depth

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-5ftonly

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.94	4.01	4.06	4.22	4.35	4.47	4.56	4.6	4.65
FR2	3.66	3.74	3.83	4	4.15	4.3	4.44	4.49	4.57
FR3	3.51	3.57	3.63	3.83	3.95	4.11	4.45	4.8	5.34
FR4	3.53	3.59	3.65	3.85	3.97	4.12	4.45	4.77	5.45
FR5	3.68	3.72	3.78	3.94	4.08	4.22	4.63	4.95	5.07
FR6	3.7	3.79	3.86	3.99	4.12	4.3	4.76	5.05	5.28
FR7	4.48	4.53	4.65	4.9	5.48	5.99	6.35	6.6	7.11
FR8	4.41	4.49	4.61	4.9	5.7	6.22	6.51	6.62	6.78
FR9	5.26	5.62	5.78	6.12	6.39	6.71	6.97	7.2	7.48
FR10	4.34	4.81	4.97	5.32	5.9	6.42	6.69	7.01	7.22
FR11	4.24	4.65	4.95	5.25	5.65	6.14	6.52	6.66	7.16
MR1	4.26	4.32	4.4	4.63	4.91	5.17	5.43	5.59	5.97
MR2	3.99	4.11	4.27	4.53	4.89	5.24	5.49	5.61	5.78
MR3	3.8	3.98	4.03	4.34	4.68	5.11	5.43	5.57	5.68
MR4	3.92	4.12	4.23	4.48	4.74	5.07	5.27	5.41	5.64
MR5	1.5	2.03	2.49	3.09	4.86	6.24	6.57	6.92	7.11
MR6	2.12	2.55	3.03	3.59	5.59	6.38	6.81	7.07	7.34
LBR1	3.54	4.35	4.78	5.21	5.45	5.69	5.99	6.18	6.5
LBR2	3.66	3.86	4	4.18	4.41	4.59	4.81	4.96	5.32
LBR3	3.16	3.41	3.55	3.87	4.19	4.61	4.86	5.03	5.26
BR1	3.27	3.41	3.55	3.71	3.94	4.16	4.36	4.43	4.61
BR2	2.55	2.8	3	3.22	3.43	3.66	3.84	3.91	4.02
BR3	3.01	3.2	3.34	3.51	3.7	3.87	4.02	4.08	4.2
SCH1	2.38	2.55	2.74	2.89	3.07	3.3	3.64	3.74	3.95
SCH2	3.68	3.81	3.91	4.12	4.29	4.43	4.57	4.64	4.72
SR	4.69	4.74	4.97	5.31	5.62	5.97	6.11	6.16	6.23
StbR	3.56	4.27	4.54	5.1	5.62	6.03	6.33	6.51	6.74

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: WASP-1997-5ftonly

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.02	0.5	0.02	0.5	0.01	0.2	0	0.0	-0.03	-0.7	-0.05	-1.1	-0.07	-1.5	-0.1	-2.1	-0.09	-1.9
FR2	0	0.0	-0.02	-0.5	-0.01	-0.3	-0.03	-0.7	-0.07	-1.7	-0.1	-2.3	-0.18	-3.9	-0.2	-4.3	-0.51	-10.0
FR3	0.02	0.6	-0.02	-0.6	-0.01	-0.3	-0.04	-1.0	-0.1	-2.5	-0.18	-4.2	-0.33	-6.9	-0.27	-5.3	-0.26	-4.6
FR4	0.03	0.9	0.03	0.8	0.03	0.8	-0.07	-1.8	-0.1	-2.5	-0.28	-6.4	-0.51	-10.3	-0.54	-10.2	-0.05	-0.9
FR5	0.06	1.7	-0.02	-0.5	-0.11	-2.8	-0.14	-3.4	-0.23	-5.3	-0.67	-13.7	-0.79	-14.6	-0.68	-12.1	-0.71	-12.3
FR6	0.01	0.3	0.03	0.8	-0.03	-0.8	-0.13	-3.2	-0.14	-3.3	-0.48	-10.0	-0.81	-14.5	-0.72	-12.5	-0.63	-10.7
FR7	0.31	7.4	0.28	6.6	0.32	7.4	0.29	6.3	0.45	8.9	0.01	0.2	0.09	1.4	0.24	3.8	0.62	9.6
FR8	-0.25	-5.4	-0.29	-6.1	-0.45	-8.9	-0.61	-11.1	-0.42	-6.9	-0.22	-3.4	-0.21	-3.1	-0.23	-3.4	-0.33	-4.6
FR9	0.38	7.8	0.59	11.7	0.45	8.4	0.4	7.0	0.11	1.8	0.11	1.7	0.12	1.8	0.18	2.6	0.29	4.0
FR10	0.03	0.7	0.03	0.6	0.02	0.4	0	0.0	-0.01	-0.2	-0.01	-0.2	0.01	0.1	0	0.0	0	0.0
FR11	0.07	1.7	-0.05	-1.1	0.02	0.4	0.01	0.2	-0.02	-0.4	0	0.0	0.02	0.3	0.02	0.3	0.03	0.4
MR1	-0.15	-3.4	-0.21	-4.6	-0.22	-4.8	-0.26	-5.3	-0.25	-4.8	-0.42	-7.5	-0.46	-7.8	-0.41	-6.8	-0.25	-4.0
MR2	-0.04	-1.0	-0.04	-1.0	-0.06	-1.4	-0.09	-1.9	-0.18	-3.6	-0.29	-5.2	-0.31	-5.3	-0.29	-4.9	-0.25	-4.1
MR3	0.1	2.7	0.09	2.3	0.03	0.8	0.15	3.6	0.16	3.5	0.04	0.8	-0.28	-4.9	-0.36	-6.1	-0.51	-8.2
MR4	0.03	0.8	0.09	2.2	0.11	2.7	0.09	2.1	0.13	2.8	0.18	3.7	0.21	4.2	0.23	4.4	0.23	4.3
MR5	0.01	0.7	-0.01	-0.5	0.08	3.3	0.04	1.3	-0.11	-2.2	0.01	0.2	0	0.0	0.03	0.4	0	0.0
MR6	0.01	0.5	0.06	2.4	0.02	0.7	0.08	2.3	-0.02	-0.4	0.02	0.3	0.01	0.1	0.01	0.1	0.02	0.3
LBR1	-0.03	-0.8	0	0.0	0.03	0.6	0.08	1.6	0.02	0.4	0.05	0.9	0.02	0.3	0.02	0.3	0.03	0.5
LBR2	-0.03	-0.8	0	0.0	0.03	0.8	0.02	0.5	0.02	0.5	-0.01	-0.2	0.04	0.8	0.08	1.6	0.06	1.1
LBR3	0.27	9.3	0.13	4.0	0.08	2.3	0.19	5.2	0.24	6.1	0.27	6.2	0.13	2.7	0.04	0.8	0.02	0.4
BR1	-0.01	-0.3	0	0.0	-0.02	-0.6	-0.03	-0.8	-0.03	-0.8	-0.04	-1.0	-0.07	-1.6	-0.1	-2.2	-0.03	-0.6
BR2	0	0.0	-0.04	-1.4	0.01	0.3	-0.02	-0.6	-0.01	-0.3	-0.04	-1.1	0	0.0	-0.02	-0.5	-0.01	-0.2
BR3	-0.02	-0.7	-0.06	-1.8	-0.1	-2.9	-0.11	-3.0	-0.08	-2.1	-0.08	-2.0	-0.06	-1.5	-0.07	-1.7	-0.05	-1.2
SCH1	-0.01	-0.4	-0.02	-0.8	0.06	2.2	0.06	2.1	0.06	2.0	-0.11	-3.2	-0.13	-3.4	-0.15	-3.9	-0.19	-4.6
SCH2	-0.06	-1.6	-0.1	-2.6	-0.1	-2.5	-0.02	-0.5	-0.04	-0.9	-0.04	-0.9	-0.03	-0.7	-0.04	-0.9	-0.1	-2.1
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
StbR	-0.28	-7.3	0.05	1.2	-0.03	-0.7	0.06	1.2	-0.07	-1.2	-0.17	-2.7	-0.16	-2.5	-0.13	-2.0	-0.1	-1.5

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Project Scenario: WASP-1997-5ftonly

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.15	4.22	4.28	4.38	4.49	4.57	4.67	4.72	4.77
FR2	3.95	4.00	4.04	4.23	4.34	4.47	4.55	4.59	4.64
FR3	3.74	3.79	3.85	4.00	4.14	4.28	4.44	4.51	4.58
FR4	3.70	3.73	3.75	3.93	4.04	4.17	4.47	4.62	4.90
FR5	3.73	3.79	3.84	4.01	4.14	4.31	4.69	5.01	5.24
FR6	3.92	3.95	4.00	4.16	4.28	4.54	5.09	5.36	5.55
FR7	4.28	4.35	4.44	4.66	5.26	5.84	6.16	6.33	6.42
FR8	4.57	4.70	4.84	5.14	5.77	6.19	6.47	6.59	6.74
FR9	5.20	5.45	5.62	5.99	6.36	6.68	6.94	7.16	7.25
FR10	5.70	5.85	6.02	6.30	6.57	6.82	7.17	7.22	7.32
FR11	4.87	5.10	5.27	5.60	5.89	6.18	6.45	6.56	6.68
MR1	4.28	4.37	4.50	4.67	4.92	5.20	5.41	5.54	5.66
MR2	4.13	4.26	4.42	4.62	4.90	5.17	5.45	5.55	5.62
MR3	3.86	4.02	4.09	4.36	4.64	5.07	5.42	5.53	5.67
MR4	4.41	4.51	4.64	4.80	5.07	5.24	5.46	5.60	5.73
MR5	2.30	2.58	2.99	3.52	5.30	6.17	6.53	6.80	7.03
MR6	2.16	2.62	3.09	3.61	5.70	6.34	6.79	6.96	7.28
LBR1	4.29	4.51	4.60	4.84	5.03	5.22	5.32	5.46	5.60
LBR2	3.69	3.79	3.95	4.15	4.36	4.55	4.73	4.80	4.90
LBR3	3.63	3.71	3.77	3.87	4.02	4.17	4.34	4.43	4.52
BR1	3.53	3.58	3.64	3.87	4.00	4.15	4.34	4.41	4.49
BR2	3.28	3.37	3.44	3.59	3.78	3.95	4.08	4.23	4.32
BR3	3.42	3.48	3.52	3.60	3.71	3.87	3.95	3.99	4.02
SCh1	3.46	3.56	3.62	3.72	3.83	3.92	4.01	4.08	4.16
SCh2	3.91	4.01	4.08	4.22	4.33	4.43	4.52	4.57	4.65
SR	4.90	4.95	5.18	5.52	5.84	6.17	6.35	6.41	6.48
StbR	4.51	4.75	4.93	5.24	5.55	5.85	6.07	6.15	6.28

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-5ftonly

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.02	0.02	0.02	0.00	-0.01	-0.02	-0.05	-0.07	-0.07	0.5	0.5	0.5	0.1	-0.2	-0.4	-1.2	-1.5	-1.5
FR2	0.01	0.00	0.01	-0.02	-0.03	-0.07	-0.09	-0.09	-0.12	0.2	0.1	0.2	-0.5	-0.8	-1.5	-2.0	-2.0	-2.4
FR3	0.04	0.02	0.01	-0.03	-0.05	-0.10	-0.27	-0.28	-0.41	1.2	0.6	0.4	-0.6	-1.2	-2.4	-5.8	-5.8	-8.3
FR4	0.04	0.02	0.01	-0.06	-0.08	-0.20	-0.47	-0.69	-0.65	1.0	0.6	0.2	-1.5	-1.9	-4.6	-9.5	-12.9	-11.7
FR5	0.05	0.03	-0.04	-0.07	-0.14	-0.45	-0.72	-0.64	-0.56	1.3	0.7	-1.2	-1.8	-3.2	-9.5	-13.3	-11.3	-9.6
FR6	-0.04	-0.06	-0.12	-0.16	-0.27	-0.66	-0.69	-0.56	-0.49	-1.0	-1.5	-2.8	-3.6	-5.9	-12.7	-11.9	-9.5	-8.1
FR7	-0.16	-0.20	-0.26	-0.43	-0.59	-0.35	-0.25	-0.24	-0.28	-3.7	-4.4	-5.5	-8.4	-10.1	-5.6	-3.9	-3.6	-4.1
FR8	-0.29	-0.36	-0.45	-0.52	-0.38	-0.24	-0.20	-0.21	-0.24	-5.9	-7.0	-8.5	-9.2	-6.2	-3.7	-3.0	-3.1	-3.4
FR9	-0.46	-0.45	-0.40	-0.28	-0.18	-0.13	-0.13	-0.07	-0.08	-8.2	-7.6	-6.6	-4.4	-2.7	-1.8	-1.8	-0.9	-1.1
FR10	-0.02	0.00	0.01	0.00	0.00	0.01	0.01	-0.02	0.00	-0.3	0.0	0.1	0.0	0.0	0.1	0.1	-0.2	0.0
FR11	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.1	0.1
MR1	-0.20	-0.21	-0.20	-0.22	-0.26	-0.34	-0.44	-0.43	-0.38	-4.4	-4.6	-4.3	-4.5	-4.9	-6.1	-7.5	-7.2	-6.3
MR2	-0.06	-0.05	-0.09	-0.17	-0.23	-0.32	-0.35	-0.36	-0.41	-1.5	-1.2	-2.1	-3.6	-4.5	-5.9	-6.0	-6.1	-6.8
MR3	0.01	-0.02	-0.02	-0.02	-0.10	-0.15	-0.17	-0.20	-0.18	0.2	-0.5	-0.4	-0.5	-2.0	-2.9	-3.0	-3.4	-3.1
MR4	0.01	0.00	0.02	0.01	0.01	0.00	0.02	0.06	0.04	0.3	0.1	0.5	0.3	0.2	0.0	0.3	1.1	0.6
MR5	-0.01	0.03	0.03	0.06	-0.03	0.01	0.00	-0.02	0.02	-0.6	1.0	0.9	1.8	-0.6	0.2	0.1	-0.3	0.3
MR6	0.01	0.08	0.03	0.03	0.01	0.01	-0.01	0.02	0.00	0.6	3.3	1.1	0.7	0.2	0.1	-0.2	0.2	0.1
LBR1	0.00	0.02	0.00	0.05	0.04	0.03	0.03	0.01	0.03	0.0	0.4	0.1	1.0	0.8	0.5	0.5	0.3	0.5
LBR2	0.00	-0.02	-0.01	0.01	0.01	0.00	0.02	0.03	0.01	-0.1	-0.4	-0.1	0.3	0.3	-0.1	0.5	0.6	0.2
LBR3	0.09	0.13	0.11	0.09	0.07	0.06	0.10	0.08	0.06	2.7	3.5	3.1	2.3	1.7	1.4	2.4	1.9	1.4
BR1	0.00	-0.01	0.00	-0.03	-0.04	-0.07	-0.09	-0.09	-0.11	-0.1	-0.2	0.1	-0.7	-0.9	-1.6	-2.1	-2.0	-2.5
BR2	-0.01	-0.01	-0.02	-0.03	-0.03	-0.03	-0.06	-0.06	-0.07	-0.4	-0.3	-0.5	-0.8	-0.9	-0.9	-1.4	-1.5	-1.6
BR3	-0.04	-0.03	-0.04	-0.03	-0.03	0.02	-0.02	-0.01	0.01	-1.1	-0.9	-1.2	-0.8	-0.8	0.6	-0.4	-0.1	0.2
SCh1	-0.04	0.00	-0.01	0.00	0.00	-0.03	-0.03	-0.02	0.00	-1.3	0.0	-0.3	0.0	0.1	-0.8	-0.7	-0.5	-0.1
SCh2	-0.03	-0.03	-0.01	-0.03	-0.04	-0.06	-0.09	-0.08	-0.07	-0.8	-0.7	-0.2	-0.8	-1.0	-1.3	-1.8	-1.6	-1.5
SR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
StbR	-0.23	-0.18	-0.16	-0.20	-0.24	-0.24	-0.23	-0.27	-0.28	-4.8	-3.6	-3.2	-3.7	-4.2	-4.0	-3.6	-4.2	-4.2

47 ft Channel Depth

Mitigation Plan 6a

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-Plan6a_5ft

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.93	3.99	4.05	4.2	4.34	4.48	4.56	4.6	4.65
FR2	3.66	4.08	4.17	4.32	4.46	4.61	4.76	4.82	4.93
FR3	3.61	3.66	3.7	3.91	4.04	4.22	4.58	5.09	5.47
FR4	3.61	3.66	3.7	3.92	4.03	4.2	4.6	5.02	5.53
FR5	3.73	3.78	3.88	4.05	4.18	4.38	4.83	5.07	5.28
FR6	3.72	3.83	3.89	4.07	4.19	4.38	4.86	5.15	5.34
FR7	4.4	4.53	4.65	4.89	5.45	5.93	6.31	6.55	7.12
FR8	4.38	4.49	4.6	4.86	5.64	6.14	6.44	6.57	6.72
FR9	4.91	5.32	5.48	5.97	6.38	6.69	7.02	7.2	7.36
FR10	4.69	5.04	5.23	5.55	5.89	6.32	6.6	6.85	7.16
FR11	4.18	4.59	4.81	5.11	5.65	6.14	6.4	6.66	6.94
MR1	4.2	4.34	4.43	4.66	4.94	5.17	5.47	5.66	5.99
MR2	4.22	4.36	4.49	4.71	4.98	5.24	5.55	5.68	5.78
MR3	4.19	4.36	4.44	4.64	4.94	5.19	5.41	5.6	5.83
MR4	4.36	4.45	4.59	4.77	5.06	5.3	5.59	5.69	5.99
MR5	2.2	2.78	3.12	3.86	5.36	6.19	6.53	6.78	7.03
MR6	6.15	6.32	6.45	6.64	6.9	7.23	7.41	7.51	7.61
LBR1	4.06	4.82	5.12	5.49	5.8	6.1	6.32	6.55	6.7
LBR2	4.48	4.57	4.69	4.92	5.14	5.38	5.56	5.68	5.81
LBR3	2.54	2.67	2.82	3.04	3.32	3.63	3.82	3.89	4.02
BR1	1.83	2.18	2.7	3.5	4.11	4.69	4.94	5.02	5.09
BR2	1.59	1.8	1.98	2.36	2.76	3.06	3.32	3.41	3.56
BR3	1.72	1.95	2.05	2.22	2.47	2.92	3.4	3.53	3.74
SCH1	2.3	2.47	2.68	2.91	3.05	3.28	3.64	3.78	3.91
SCH2	3.68	3.8	3.92	4.09	4.28	4.43	4.55	4.61	4.76
SR	4.68	4.73	4.96	5.3	5.61	5.96	6.1	6.15	6.22
StbR	3.75	4.3	4.59	5.11	5.67	6.05	6.32	6.45	6.66

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing
Project: Scenario: WASP-1997-Plan6a_5ft

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.01	0.3	0	0.0	0	0.0	-0.02	-0.5	-0.04	-0.9	-0.04	-0.9	-0.07	-1.5	-0.1	-2.1	-0.09	-1.9
FR2	0	0.0	0.32	8.5	0.33	8.6	0.29	7.2	0.24	5.7	0.21	4.8	0.14	3.0	0.13	2.8	-0.15	-3.0
FR3	0.12	3.4	0.07	1.9	0.06	1.6	0.04	1.0	-0.01	-0.2	-0.07	-1.6	-0.2	-4.2	0.02	0.4	-0.13	-2.3
FR4	0.11	3.1	0.1	2.8	0.08	2.2	0	0.0	-0.04	-1.0	-0.2	-4.5	-0.36	-7.3	-0.29	-5.5	0.03	0.5
FR5	0.11	3.0	0.04	1.1	-0.01	-0.3	-0.03	-0.7	-0.13	-3.0	-0.51	-10.4	-0.59	-10.9	-0.56	-9.9	-0.5	-8.7
FR6	0.03	0.8	0.07	1.9	0	0.0	-0.05	-1.2	-0.07	-1.6	-0.4	-8.4	-0.71	-12.7	-0.62	-10.7	-0.57	-9.6
FR7	0.23	5.5	0.28	6.6	0.32	7.4	0.28	6.1	0.42	8.3	-0.05	-0.8	0.05	0.8	0.19	3.0	0.63	9.7
FR8	-0.28	-6.0	-0.29	-6.1	-0.46	-9.1	-0.65	-11.8	-0.48	-7.8	-0.3	-4.7	-0.28	-4.2	-0.28	-4.1	-0.39	-5.5
FR9	0.03	0.6	0.29	5.8	0.15	2.8	0.25	4.4	0.1	1.6	0.09	1.4	0.17	2.5	0.18	2.6	0.17	2.4
FR10	0.38	8.8	0.26	5.4	0.28	5.7	0.23	4.3	-0.02	-0.3	-0.11	-1.7	-0.08	-1.2	-0.16	-2.3	-0.06	-0.8
FR11	0.01	0.2	-0.11	-2.3	-0.12	-2.4	-0.13	-2.5	-0.02	-0.4	0	0.0	-0.1	-1.5	0.02	0.3	-0.19	-2.7
MR1	-0.21	-4.8	-0.19	-4.2	-0.19	-4.1	-0.23	-4.7	-0.22	-4.3	-0.42	-7.5	-0.42	-7.1	-0.34	-5.7	-0.23	-3.7
MR2	0.19	4.7	0.21	5.1	0.16	3.7	0.09	1.9	-0.09	-1.8	-0.29	-5.2	-0.25	-4.3	-0.22	-3.7	-0.25	-4.1
MR3	0.49	13.2	0.47	12.1	0.44	11.0	0.45	10.7	0.42	9.3	0.12	2.4	-0.3	-5.3	-0.33	-5.6	-0.36	-5.8
MR4	0.47	12.1	0.42	10.4	0.47	11.4	0.38	8.7	0.45	9.8	0.41	8.4	0.53	10.5	0.51	9.8	0.58	10.7
MR5	0.71	47.7	0.74	36.3	0.71	29.5	0.81	26.6	0.39	7.8	-0.04	-0.6	-0.04	-0.6	-0.11	-1.6	-0.08	-1.1
MR6	4.04	191.5	3.83	153.8	3.44	114.3	3.13	89.2	1.29	23.0	0.87	13.7	0.61	9.0	0.45	6.4	0.29	4.0
LBR1	0.49	13.7	0.47	10.8	0.37	7.8	0.36	7.0	0.37	6.8	0.46	8.2	0.35	5.9	0.39	6.3	0.23	3.6
LBR2	0.79	21.4	0.71	18.4	0.72	18.1	0.76	18.3	0.75	17.1	0.78	17.0	0.79	16.6	0.8	16.4	0.55	10.5
LBR3	-0.35	-12.1	-0.61	-18.6	-0.65	-18.7	-0.64	-17.4	-0.63	-15.9	-0.71	-16.4	-0.91	-19.2	-1.1	-22.0	-1.22	-23.3
BR1	-1.45	-44.2	-1.23	-36.1	-0.87	-24.4	-0.24	-6.4	0.14	3.5	0.49	11.7	0.51	11.5	0.49	10.8	0.45	9.7
BR2	-0.96	-37.6	-1.04	-36.6	-1.01	-33.8	-0.88	-27.2	-0.68	-19.8	-0.64	-17.3	-0.52	-13.5	-0.52	-13.2	-0.47	-11.7
BR3	-1.31	-43.2	-1.31	-40.2	-1.39	-40.4	-1.4	-38.7	-1.31	-34.7	-1.03	-26.1	-0.68	-16.7	-0.62	-14.9	-0.51	-12.0
SCH1	-0.09	-3.8	-0.1	-3.9	0	0.0	0.08	2.8	0.04	1.3	-0.13	-3.8	-0.13	-3.4	-0.11	-2.8	-0.23	-5.6
SCH2	-0.06	-1.6	-0.11	-2.8	-0.09	-2.2	-0.05	-1.2	-0.05	-1.2	-0.04	-0.9	-0.05	-1.1	-0.07	-1.5	-0.06	-1.2
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	-0.09	-2.3	0.08	1.9	0.02	0.4	0.07	1.4	-0.02	-0.4	-0.15	-2.4	-0.17	-2.6	-0.19	-2.9	-0.18	-2.6

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Project scenario: WASP-1997-Plan6a_5ft

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.13	4.20	4.26	4.37	4.47	4.56	4.65	4.72	4.80
FR2	3.97	4.00	4.03	4.26	4.36	4.50	4.60	4.63	4.68
FR3	3.79	3.84	3.89	4.08	4.19	4.35	4.52	4.59	4.65
FR4	3.75	3.77	3.80	4.02	4.10	4.25	4.57	4.74	4.96
FR5	3.79	3.83	3.92	4.08	4.20	4.39	4.81	5.10	5.29
FR6	3.94	3.97	4.01	4.22	4.32	4.59	5.15	5.44	5.60
FR7	4.26	4.35	4.45	4.66	5.18	5.78	6.12	6.27	6.37
FR8	4.57	4.69	4.80	5.10	5.70	6.18	6.42	6.56	6.64
FR9	5.13	5.34	5.52	5.85	6.34	6.63	6.85	7.06	7.22
FR10	5.46	5.76	5.89	6.16	6.47	6.74	7.09	7.19	7.26
FR11	4.54	4.75	4.91	5.18	5.49	5.76	6.00	6.12	6.30
MR1	4.29	4.42	4.53	4.70	4.96	5.19	5.44	5.57	5.73
MR2	4.26	4.40	4.55	4.74	4.96	5.18	5.47	5.60	5.70
MR3	4.32	4.41	4.52	4.73	4.96	5.16	5.32	5.40	5.55
MR4	4.77	4.91	5.03	5.23	5.52	5.74	5.96	6.15	6.31
MR5	3.26	3.53	3.92	4.37	5.61	6.19	6.49	6.75	6.95
MR6	2.94	3.22	3.43	3.71	4.21	4.67	4.88	5.03	5.14
LBR1	4.62	4.95	5.01	5.26	5.49	5.71	5.95	6.07	6.17
LBR2	4.31	4.42	4.51	4.70	4.94	5.15	5.33	5.41	5.53
LBR3	3.34	3.45	3.57	3.74	3.96	4.17	4.37	4.43	4.56
BR1	2.60	3.28	3.60	4.04	4.28	4.50	4.65	4.70	4.82
BR2	1.93	2.13	2.28	2.67	3.24	3.70	4.02	4.15	4.34
BR3	2.24	2.33	2.42	2.55	2.69	2.86	2.98	3.06	3.11
SCh1	3.40	3.50	3.59	3.72	3.82	3.93	4.01	4.08	4.16
SCh2	3.93	4.01	4.08	4.23	4.33	4.45	4.53	4.58	4.67
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.40	6.47
StbR	4.74	4.90	5.03	5.32	5.63	5.85	6.01	6.09	6.23

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-Plan6a_5ft

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.00	0.00	0.00	0.00	-0.03	-0.03	-0.07	-0.07	-0.04	0.0	0.1	0.0	0.0	-0.6	-0.6	-1.6	-1.5	-0.9
FR2	0.02	0.00	0.00	0.01	-0.01	-0.04	-0.05	-0.06	-0.08	0.6	0.1	0.0	0.1	-0.2	-0.9	-1.1	-1.2	-1.7
FR3	0.09	0.07	0.05	0.05	0.00	-0.03	-0.19	-0.19	-0.34	2.5	1.8	1.4	1.3	0.1	-0.8	-4.1	-4.1	-6.8
FR4	0.09	0.07	0.05	0.03	-0.02	-0.12	-0.37	-0.57	-0.58	2.6	1.8	1.4	0.9	-0.4	-2.8	-7.4	-10.6	-10.5
FR5	0.12	0.07	0.03	0.00	-0.07	-0.38	-0.60	-0.55	-0.51	3.2	1.8	0.8	0.1	-1.7	-7.9	-11.0	-9.7	-8.7
FR6	-0.02	-0.04	-0.10	-0.10	-0.23	-0.61	-0.63	-0.48	-0.44	-0.5	-1.1	-2.4	-2.3	-5.0	-11.7	-10.9	-8.2	-7.3
FR7	-0.18	-0.20	-0.25	-0.43	-0.67	-0.40	-0.30	-0.29	-0.33	-4.0	-4.3	-5.2	-8.4	-11.5	-6.4	-4.7	-4.4	-4.9
FR8	-0.30	-0.37	-0.48	-0.56	-0.46	-0.25	-0.25	-0.24	-0.34	-6.1	-7.2	-9.2	-9.8	-7.4	-3.9	-3.8	-3.5	-4.8
FR9	-0.54	-0.56	-0.50	-0.41	-0.20	-0.18	-0.22	-0.16	-0.12	-9.6	-9.5	-8.3	-6.5	-3.0	-2.6	-3.1	-2.3	-1.6
FR10	-0.25	-0.09	-0.12	-0.14	-0.09	-0.07	-0.07	-0.05	-0.06	-4.4	-1.5	-2.0	-2.3	-1.4	-1.1	-1.0	-0.6	-0.8
FR11	-0.33	-0.35	-0.37	-0.41	-0.39	-0.41	-0.45	-0.44	-0.38	-6.9	-6.9	-6.9	-7.3	-6.6	-6.7	-7.0	-6.6	-5.7
MR1	-0.19	-0.16	-0.17	-0.19	-0.22	-0.35	-0.40	-0.40	-0.32	-4.2	-3.5	-3.7	-3.9	-4.2	-6.2	-6.9	-6.7	-5.2
MR2	0.07	0.09	0.04	-0.04	-0.17	-0.31	-0.33	-0.31	-0.33	1.6	2.0	0.8	-0.9	-3.2	-5.7	-5.7	-5.2	-5.4
MR3	0.46	0.37	0.41	0.35	0.22	-0.07	-0.26	-0.32	-0.30	12.0	9.2	10.0	7.9	4.7	-1.3	-4.7	-5.6	-5.1
MR4	0.38	0.40	0.41	0.44	0.46	0.49	0.52	0.61	0.61	8.6	9.0	9.0	9.2	9.2	9.4	9.5	11.1	10.8
MR5	0.94	0.97	0.96	0.90	0.28	0.03	-0.03	-0.07	-0.06	40.7	38.0	32.2	26.1	5.3	0.4	-0.5	-1.0	-0.8
MR6	0.79	0.69	0.37	0.13	-1.48	-1.65	-1.92	-1.91	-2.14	36.9	27.1	12.1	3.6	-25.9	-26.1	-28.2	-27.5	-29.4
LBR1	0.32	0.45	0.42	0.46	0.50	0.52	0.65	0.63	0.60	7.5	10.0	9.1	9.6	10.0	10.1	12.3	11.5	10.8
LBR2	0.62	0.61	0.55	0.57	0.59	0.60	0.62	0.64	0.64	16.7	16.1	14.0	13.7	13.6	13.1	13.1	13.5	13.1
LBR3	-0.20	-0.13	-0.09	-0.04	0.01	0.06	0.13	0.08	0.10	-5.7	-3.5	-2.4	-1.1	0.2	1.5	3.1	1.8	2.2
BR1	-0.93	-0.30	-0.03	0.14	0.25	0.28	0.22	0.20	0.22	-26.4	-8.5	-1.0	3.5	6.1	6.7	5.1	4.4	4.8
BR2	-1.37	-1.25	-1.17	-0.94	-0.58	-0.29	-0.12	-0.15	-0.05	-41.6	-37.0	-34.0	-26.1	-15.1	-7.3	-2.9	-3.4	-1.2
BR3	-1.22	-1.18	-1.14	-1.08	-1.05	-0.99	-0.99	-0.94	-0.90	-35.3	-33.6	-32.0	-29.8	-28.0	-25.7	-25.0	-23.5	-22.5
SCh1	-0.10	-0.06	-0.04	0.00	0.00	-0.03	-0.03	-0.02	0.00	-3.0	-1.7	-1.1	-0.1	-0.1	-0.7	-0.8	-0.5	0.0
SCh2	-0.01	-0.03	-0.02	-0.02	-0.05	-0.05	-0.08	-0.07	-0.06	-0.3	-0.7	-0.4	-0.5	-1.1	-1.1	-1.7	-1.4	-1.2
SR	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.00	-0.03	-0.06	-0.12	-0.17	-0.24	-0.29	-0.33	-0.33	0.0	-0.6	-1.2	-2.2	-2.9	-4.0	-4.6	-5.2	-5.1

47 ft Channel Depth

Mitigation Plan 6a

D.O. Mitigation

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: 6A5ft-withDOmitigation

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.02	4.08	4.15	4.35	4.47	4.59	4.67	4.72	4.75
FR2	3.89	3.97	4.06	4.31	4.49	4.66	4.92	4.99	5.05
FR3	3.78	3.84	3.9	4.15	4.33	4.6	5.11	5.68	6.11
FR4	3.79	3.84	3.91	4.16	4.34	4.6	5.11	5.6	6.18
FR5	3.92	3.99	4.11	4.35	4.52	4.84	5.44	5.74	5.99
FR6	3.93	4.06	4.14	4.37	4.54	4.83	5.49	5.86	6.07
FR7	4.31	4.46	4.53	4.77	5.02	5.71	6.64	7.03	7.25
FR8	4.81	4.93	5.11	5.46	6.72	7.93	8.92	9.22	9.57
FR9	5.6	6.22	6.47	6.8	7.4	8.6	9.2	9.8	10.72
FR10	4.69	5.04	5.23	5.55	5.89	6.32	6.6	6.85	7.15
FR11	4.18	4.59	4.81	5.11	5.66	6.14	6.4	6.66	6.94
MR1	4.58	4.74	4.93	5.16	5.48	5.8	6.21	6.36	6.57
MR2	4.47	4.59	4.7	4.96	5.33	5.76	6.06	6.28	6.5
MR3	4.34	4.53	4.63	4.8	5.1	5.44	5.72	5.94	6.18
MR4	4.48	4.64	4.7	4.89	5.16	5.39	5.6	5.7	5.99
MR5	2.2	2.78	3.12	3.86	5.36	6.19	6.53	6.78	7.03
MR6	6.15	6.32	6.45	6.64	6.9	7.23	7.41	7.51	7.61
LBR1	4.06	4.82	5.12	5.5	5.8	6.1	6.32	6.55	6.7
LBR2	4.48	4.57	4.69	4.92	5.14	5.38	5.56	5.68	5.81
LBR3	2.59	2.68	2.82	3.05	3.32	3.63	3.82	3.89	4.02
BR1	3.55	4.26	4.57	4.83	5.06	5.28	5.56	5.69	5.78
BR2	2.59	2.78	2.93	3.32	4.36	4.94	5.17	5.25	5.39
BR3	2.36	2.46	2.53	2.64	2.83	3.05	3.36	3.59	3.84
SCH1	2.49	2.64	2.85	3.07	3.23	3.43	3.75	3.89	3.99
SCH2	3.91	4.02	4.15	4.33	4.51	4.66	4.78	4.84	4.99
SR	4.68	4.73	4.96	5.3	5.61	5.96	6.1	6.15	6.22
StbR	4.12	4.93	5.23	6.01	6.86	7.58	8.09	8.44	8.86

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: 6A5ft-withDomitigation

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.1	2.6	0.09	2.3	0.1	2.5	0.13	3.1	0.09	2.1	0.07	1.5	0.04	0.9	0.02	0.4	0.01	0.2
FR2	0.23	6.3	0.21	5.6	0.22	5.7	0.28	6.9	0.27	6.4	0.26	5.9	0.3	6.5	0.3	6.4	-0.03	-0.6
FR3	0.29	8.3	0.25	7.0	0.26	7.1	0.28	7.2	0.28	6.9	0.31	7.2	0.33	6.9	0.61	12.0	0.51	9.1
FR4	0.29	8.3	0.28	7.9	0.29	8.0	0.24	6.1	0.27	6.6	0.2	4.5	0.15	3.0	0.29	5.5	0.68	12.4
FR5	0.3	8.3	0.25	6.7	0.22	5.7	0.27	6.6	0.21	4.9	-0.05	-1.0	0.02	0.4	0.11	2.0	0.21	3.6
FR6	0.24	6.5	0.3	8.0	0.25	6.4	0.25	6.1	0.28	6.6	0.05	1.0	-0.08	-1.4	0.09	1.6	0.16	2.7
FR7	0.14	3.4	0.21	4.9	0.2	4.6	0.16	3.5	-0.01	-0.2	-0.27	-4.5	0.38	6.1	0.67	10.5	0.76	11.7
FR8	0.15	3.2	0.15	3.1	0.05	1.0	-0.05	-0.9	0.6	9.8	1.49	23.1	2.2	32.7	2.37	34.6	2.46	34.6
FR9	0.72	14.8	1.19	23.7	1.14	21.4	1.08	18.9	1.12	17.8	2	30.3	2.35	34.3	2.78	39.6	3.53	49.1
FR10	0.38	8.8	0.26	5.4	0.28	5.7	0.23	4.3	-0.02	-0.3	-0.11	-1.7	-0.08	-1.2	-0.16	-2.3	-0.07	-1.0
FR11	0.01	0.2	-0.11	-2.3	-0.12	-2.4	-0.13	-2.5	-0.01	-0.2	0	0.0	-0.1	-1.5	0.02	0.3	-0.19	-2.7
MR1	0.17	3.9	0.21	4.6	0.31	6.7	0.27	5.5	0.32	6.2	0.21	3.8	0.32	5.4	0.36	6.0	0.35	5.6
MR2	0.44	10.9	0.44	10.6	0.37	8.5	0.34	7.4	0.26	5.1	0.23	4.2	0.26	4.5	0.38	6.4	0.47	7.8
MR3	0.64	17.3	0.64	16.5	0.63	15.8	0.61	14.6	0.58	12.8	0.37	7.3	0.01	0.2	0.01	0.2	-0.01	-0.2
MR4	0.59	15.2	0.61	15.1	0.58	14.1	0.5	11.4	0.55	11.9	0.5	10.2	0.54	10.7	0.52	10.0	0.58	10.7
MR5	0.71	47.7	0.74	36.3	0.71	29.5	0.81	26.6	0.39	7.8	-0.04	-0.6	-0.04	-0.6	-0.11	-1.6	-0.08	-1.1
MR6	4.04	191.5	3.83	153.8	3.44	114.3	3.13	89.2	1.29	23.0	0.87	13.7	0.61	9.0	0.45	6.4	0.29	4.0
LBR1	0.49	13.7	0.47	10.8	0.37	7.8	0.37	7.2	0.37	6.8	0.46	8.2	0.35	5.9	0.39	6.3	0.23	3.6
LBR2	0.79	21.4	0.71	18.4	0.72	18.1	0.76	18.3	0.75	17.1	0.78	17.0	0.79	16.6	0.8	16.4	0.55	10.5
LBR3	-0.3	-10.4	-0.6	-18.3	-0.65	-18.7	-0.63	-17.1	-0.63	-15.9	-0.71	-16.4	-0.91	-19.2	-1.1	-22.0	-1.22	-23.3
BR1	0.27	8.2	0.85	24.9	1	28.0	1.09	29.1	1.09	27.5	1.08	25.7	1.13	25.5	1.16	25.6	1.14	24.6
BR2	0.04	1.6	-0.06	-2.1	-0.06	-2.0	0.08	2.5	0.92	26.7	1.24	33.5	1.33	34.6	1.32	33.6	1.36	33.7
BR3	-0.67	-22.1	-0.8	-24.5	-0.91	-26.5	-0.98	-27.1	-0.95	-25.1	-0.9	-22.8	-0.72	-17.6	-0.56	-13.5	-0.41	-9.6
SCH1	0.1	4.2	0.07	2.7	0.17	6.3	0.24	8.5	0.22	7.3	0.02	0.6	-0.02	-0.5	0	0.0	-0.15	-3.6
SCH2	0.17	4.5	0.11	2.8	0.14	3.5	0.19	4.6	0.18	4.2	0.19	4.3	0.18	3.9	0.16	3.4	0.17	3.5
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	0.28	7.3	0.71	16.8	0.66	14.4	0.97	19.2	1.17	20.6	1.38	22.3	1.6	24.7	1.8	27.1	2.02	29.5

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Project Scenario: 6A5ft-withDOmitigation

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.17	4.24	4.30	4.44	4.54	4.62	4.70	4.75	4.82
FR2	4.09	4.12	4.16	4.43	4.57	4.73	4.88	4.95	5.01
FR3	3.95	4.01	4.06	4.32	4.47	4.64	4.98	5.04	5.11
FR4	3.94	3.97	4.00	4.28	4.43	4.60	5.09	5.33	5.61
FR5	3.99	4.04	4.16	4.37	4.54	4.85	5.41	5.77	6.01
FR6	4.21	4.24	4.31	4.57	4.75	5.13	5.84	6.22	6.38
FR7	4.62	4.76	4.91	5.18	5.94	6.64	7.12	7.28	7.41
FR8	5.07	5.22	5.36	5.75	6.90	7.81	8.57	8.76	8.94
FR9	6.47	6.85	7.07	7.37	7.75	8.13	8.42	8.66	8.83
FR10	5.46	5.76	5.90	6.18	6.53	6.80	7.15	7.25	7.60
FR11	4.54	4.75	4.91	5.18	5.49	5.76	6.00	6.12	6.30
MR1	4.67	4.83	4.98	5.20	5.47	5.77	6.11	6.32	6.48
MR2	4.55	4.69	4.83	5.14	5.42	5.70	6.03	6.30	6.44
MR3	4.44	4.57	4.71	4.88	5.14	5.45	5.63	5.81	6.00
MR4	4.82	4.94	5.06	5.26	5.54	5.77	5.97	6.16	6.32
MR5	3.26	3.53	3.92	4.37	5.61	6.19	6.49	6.75	6.95
MR6	2.94	3.22	3.43	3.71	4.21	4.67	4.88	5.03	5.14
LBR1	4.62	4.95	5.01	5.26	5.49	5.71	5.95	6.08	6.17
LBR2	4.31	4.42	4.51	4.70	4.94	5.15	5.33	5.41	5.53
LBR3	3.34	3.46	3.57	3.74	3.96	4.17	4.37	4.43	4.56
BR1	4.52	4.73	4.84	5.06	5.27	5.53	5.68	5.77	5.88
BR2	3.04	3.45	3.74	4.27	4.91	5.24	5.42	5.48	5.57
BR3	2.75	2.84	2.90	3.03	3.22	3.44	3.67	3.81	3.96
SCh1	3.55	3.64	3.74	3.86	3.99	4.07	4.14	4.20	4.27
SCh2	4.13	4.21	4.26	4.43	4.55	4.65	4.74	4.78	4.84
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.40	6.47
StbR	5.18	5.53	5.71	6.16	6.63	7.06	7.31	7.46	7.63

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: 6A5ft-withDOMitigation

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.04	0.04	0.04	0.06	0.04	0.03	-0.03	-0.04	-0.02	0.9	1.0	0.9	1.4	1.0	0.7	-0.6	-0.9	-0.4
FR2	0.15	0.13	0.13	0.17	0.20	0.19	0.23	0.26	0.25	3.7	3.1	3.3	4.1	4.5	4.3	4.9	5.5	5.3
FR3	0.25	0.24	0.23	0.29	0.28	0.26	0.27	0.25	0.12	6.8	6.3	5.9	7.2	6.8	5.8	5.7	5.3	2.5
FR4	0.28	0.26	0.25	0.29	0.30	0.23	0.15	0.02	0.06	7.7	7.0	6.7	7.3	7.4	5.3	3.1	0.4	1.1
FR5	0.31	0.28	0.28	0.29	0.27	0.09	-0.01	0.12	0.22	8.5	7.5	7.1	7.2	6.2	1.8	-0.1	2.2	3.7
FR6	0.25	0.23	0.20	0.26	0.20	-0.06	0.07	0.30	0.34	6.3	5.8	4.7	5.9	4.4	-1.2	1.1	5.1	5.6
FR7	0.18	0.21	0.22	0.09	0.08	0.45	0.71	0.72	0.71	4.0	4.7	4.7	1.8	1.4	7.3	11.1	10.9	10.6
FR8	0.21	0.16	0.07	0.09	0.74	1.38	1.90	1.96	1.96	4.3	3.2	1.3	1.7	12.1	21.4	28.5	28.8	28.2
FR9	0.81	0.95	1.05	1.11	1.21	1.32	1.36	1.43	1.49	14.2	16.1	17.5	17.8	18.5	19.3	19.2	19.8	20.4
FR10	-0.25	-0.09	-0.11	-0.12	-0.04	-0.01	-0.02	0.01	0.28	-4.4	-1.5	-1.9	-1.9	-0.6	-0.1	-0.2	0.1	3.8
FR11	-0.33	-0.35	-0.37	-0.41	-0.39	-0.41	-0.45	-0.44	-0.38	-6.9	-6.9	-6.9	-7.3	-6.6	-6.7	-7.0	-6.6	-5.7
MR1	0.19	0.25	0.28	0.31	0.29	0.24	0.26	0.35	0.44	4.3	5.5	6.1	6.4	5.7	4.2	4.5	5.9	7.3
MR2	0.35	0.37	0.32	0.35	0.29	0.21	0.23	0.39	0.41	8.4	8.6	7.1	7.3	5.7	3.7	3.9	6.6	6.8
MR3	0.59	0.54	0.61	0.50	0.40	0.23	0.04	0.09	0.15	15.3	13.3	14.8	11.4	8.4	4.4	0.8	1.5	2.6
MR4	0.43	0.43	0.44	0.48	0.48	0.53	0.53	0.62	0.62	9.9	9.6	9.6	10.1	9.6	10.0	9.7	11.1	10.8
MR5	0.94	0.97	0.96	0.91	0.28	0.03	-0.03	-0.07	-0.06	40.7	38.0	32.2	26.2	5.3	0.4	-0.5	-1.0	-0.8
MR6	0.79	0.69	0.37	0.13	-1.48	-1.65	-1.92	-1.91	-2.14	36.9	27.1	12.1	3.6	-25.9	-26.1	-28.2	-27.5	-29.4
LBR1	0.32	0.45	0.42	0.46	0.50	0.52	0.65	0.63	0.60	7.5	10.0	9.2	9.6	10.0	10.1	12.3	11.5	10.8
LBR2	0.62	0.61	0.55	0.57	0.59	0.60	0.62	0.64	0.64	16.7	16.1	14.0	13.8	13.6	13.1	13.1	13.5	13.1
LBR3	-0.20	-0.12	-0.09	-0.04	0.01	0.06	0.13	0.08	0.10	-5.7	-3.5	-2.4	-1.1	0.2	1.5	3.2	1.8	2.2
BR1	0.99	1.15	1.20	1.16	1.23	1.32	1.25	1.27	1.28	28.2	32.1	33.0	29.7	30.5	31.3	28.2	28.2	27.8
BR2	-0.26	0.07	0.29	0.66	1.10	1.25	1.28	1.18	1.18	-7.9	2.1	8.3	18.1	28.8	31.3	30.8	27.5	26.9
BR3	-0.70	-0.67	-0.66	-0.60	-0.52	-0.41	-0.31	-0.19	-0.05	-20.4	-19.2	-18.4	-16.6	-14.0	-10.8	-7.7	-4.7	-1.3
SCh1	0.04	0.08	0.12	0.14	0.16	0.12	0.10	0.10	0.11	1.3	2.2	3.2	3.7	4.2	3.0	2.4	2.4	2.6
SCh2	0.19	0.16	0.16	0.18	0.17	0.16	0.13	0.13	0.11	4.8	4.1	4.0	4.3	3.9	3.6	2.8	2.8	2.4
SR	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.43	0.60	0.62	0.72	0.84	0.97	1.01	1.03	1.07	9.1	12.1	12.1	13.3	14.5	15.9	16.0	16.1	16.3

46 ft Channel Depth

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-4ftonly

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.93	4	4.05	4.22	4.35	4.48	4.59	4.62	4.68
FR2	3.66	3.76	3.84	4.01	4.15	4.32	4.48	4.53	4.59
FR3	3.51	3.57	3.61	3.83	3.97	4.14	4.51	4.95	5.39
FR4	3.52	3.58	3.63	3.84	3.99	4.13	4.52	4.95	5.55
FR5	3.68	3.78	3.88	4.02	4.27	4.59	4.86	5.23	5.48
FR6	3.71	3.78	3.87	4.01	4.13	4.34	4.93	5.23	5.47
FR7	4.05	4.15	4.21	4.35	4.58	5.2	5.98	6.22	6.37
FR8	4.46	4.55	4.68	4.99	5.82	6.28	6.56	6.69	6.85
FR9	4.63	4.74	4.9	5.21	5.93	6.45	6.72	6.82	7.05
FR10	4.33	4.81	4.97	5.32	5.91	6.42	6.69	7.02	7.22
FR11	4.22	4.65	4.94	5.25	5.65	6.14	6.51	6.66	7.16
MR1	4.28	4.36	4.43	4.66	4.94	5.26	5.52	5.69	6
MR2	4	4.14	4.3	4.55	4.91	5.28	5.56	5.69	5.82
MR3	3.72	3.89	3.97	4.17	4.46	4.93	5.59	5.86	6.22
MR4	4.01	4.16	4.28	4.46	4.72	4.98	5.14	5.31	5.51
MR5	1.49	2.06	2.49	3.08	4.85	6.23	6.57	6.91	7.11
MR6	2.11	2.53	3.02	3.55	5.59	6.37	6.81	7.07	7.33
LBR1	3.59	4.35	4.77	5.2	5.44	5.68	5.99	6.16	6.5
LBR2	3.47	3.87	3.97	4.17	4.41	4.6	4.8	4.86	5.49
LBR3	3.04	3.39	3.52	3.84	4.15	4.57	4.82	5.05	5.28
BR1	3.26	3.41	3.57	3.72	3.95	4.16	4.38	4.45	4.62
BR2	2.57	2.84	3.03	3.33	3.68	3.99	4.16	4.32	4.39
BR3	3.02	3.18	3.34	3.53	3.69	3.89	4.02	4.09	4.22
SCH1	2.36	2.57	2.68	2.88	3.18	4.04	4.34	4.47	4.62
SCH2	3.72	3.86	3.95	4.08	4.27	4.4	4.53	4.6	4.74
SR	4.68	4.74	4.97	5.31	5.62	5.97	6.11	6.16	6.23
StbR	3.66	4.35	4.59	5.14	5.68	6.09	6.38	6.53	6.82

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: WASP-1997-4ftonly

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.01	0.3	0.01	0.3	0	0.0	0	0.0	-0.03	-0.7	-0.04	-0.9	-0.04	-0.9	-0.08	-1.7	-0.06	-1.3
FR2	0	0.0	0	0.0	0	0.0	-0.02	-0.5	-0.07	-1.7	-0.08	-1.8	-0.14	-3.0	-0.16	-3.4	-0.49	-9.6
FR3	0.02	0.6	-0.02	-0.6	-0.03	-0.8	-0.04	-1.0	-0.08	-2.0	-0.15	-3.5	-0.27	-5.6	-0.12	-2.4	-0.21	-3.8
FR4	0.02	0.6	0.02	0.6	0.01	0.3	-0.08	-2.0	-0.08	-2.0	-0.27	-6.1	-0.44	-8.9	-0.36	-6.8	0.05	0.9
FR5	0.06	1.7	0.04	1.1	-0.01	-0.3	-0.06	-1.5	-0.04	-0.9	-0.3	-6.1	-0.56	-10.3	-0.4	-7.1	-0.3	-5.2
FR6	0.02	0.5	0.02	0.5	-0.02	-0.5	-0.11	-2.7	-0.13	-3.1	-0.44	-9.2	-0.64	-11.5	-0.54	-9.4	-0.44	-7.4
FR7	-0.12	-2.9	-0.1	-2.4	-0.12	-2.8	-0.26	-5.6	-0.45	-8.9	-0.78	-13.0	-0.28	-4.5	-0.14	-2.2	-0.12	-1.8
FR8	-0.2	-4.3	-0.23	-4.8	-0.38	-7.5	-0.52	-9.4	-0.3	-4.9	-0.16	-2.5	-0.16	-2.4	-0.16	-2.3	-0.26	-3.7
FR9	-0.25	-5.1	-0.29	-5.8	-0.43	-8.1	-0.51	-8.9	-0.35	-5.6	-0.15	-2.3	-0.13	-1.9	-0.2	-2.8	-0.14	-1.9
FR10	0.02	0.5	0.03	0.6	0.02	0.4	0	0.0	0	0.0	-0.01	-0.2	0.01	0.1	0.01	0.1	0	0.0
FR11	0.05	1.2	-0.05	-1.1	0.01	0.2	0.01	0.2	-0.02	-0.4	0	0.0	0.01	0.2	0.02	0.3	0.03	0.4
MR1	-0.13	-2.9	-0.17	-3.8	-0.19	-4.1	-0.23	-4.7	-0.22	-4.3	-0.33	-5.9	-0.37	-6.3	-0.31	-5.2	-0.22	-3.5
MR2	-0.03	-0.7	-0.01	-0.2	-0.03	-0.7	-0.07	-1.5	-0.16	-3.2	-0.25	-4.5	-0.24	-4.1	-0.21	-3.6	-0.21	-3.5
MR3	0.02	0.5	0	0.0	-0.03	-0.7	-0.02	-0.5	-0.06	-1.3	-0.14	-2.8	-0.12	-2.1	-0.07	-1.2	0.03	0.5
MR4	0.12	3.1	0.13	3.2	0.16	3.9	0.07	1.6	0.11	2.4	0.09	1.8	0.08	1.6	0.13	2.5	0.1	1.8
MR5	0	0.0	0.02	1.0	0.08	3.3	0.03	1.0	-0.12	-2.4	0	0.0	0	0.0	0.02	0.3	0	0.0
MR6	0	0.0	0.04	1.6	0.01	0.3	0.04	1.1	-0.02	-0.4	0.01	0.2	0.01	0.1	0.01	0.1	0.01	0.1
LBR1	0.02	0.6	0	0.0	0.02	0.4	0.07	1.4	0.01	0.2	0.04	0.7	0.02	0.3	0	0.0	0.03	0.5
LBR2	-0.22	-6.0	0.01	0.3	0	0.0	0.01	0.2	0.02	0.5	0	0.0	0.03	0.6	-0.02	-0.4	0.23	4.4
LBR3	0.15	5.2	0.11	3.4	0.05	1.4	0.16	4.3	0.2	5.1	0.23	5.3	0.09	1.9	0.06	1.2	0.04	0.8
BR1	-0.02	-0.6	0	0.0	0	0.0	-0.02	-0.5	-0.02	-0.5	-0.04	-1.0	-0.05	-1.1	-0.08	-1.8	-0.02	-0.4
BR2	0.02	0.8	0	0.0	0.04	1.3	0.09	2.8	0.24	7.0	0.29	7.8	0.32	8.3	0.39	9.9	0.36	8.9
BR3	-0.01	-0.3	-0.08	-2.5	-0.1	-2.9	-0.09	-2.5	-0.09	-2.4	-0.06	-1.5	-0.06	-1.5	-0.06	-1.4	-0.03	-0.7
SCH1	-0.03	-1.3	0	0.0	0	0.0	0.05	1.8	0.17	5.6	0.63	18.5	0.57	15.1	0.58	14.9	0.48	11.6
SCH2	-0.02	-0.5	-0.05	-1.3	-0.06	-1.5	-0.06	-1.4	-0.06	-1.4	-0.07	-1.6	-0.07	-1.5	-0.08	-1.7	-0.08	-1.7
SR	-0.01	-0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
StbR	-0.18	-4.7	0.13	3.1	0.02	0.4	0.1	2.0	-0.01	-0.2	-0.11	-1.8	-0.11	-1.7	-0.11	-1.7	-0.02	-0.3

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: WASP-1997-4ftonly

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.14	4.22	4.27	4.37	4.48	4.58	4.68	4.75	4.82
FR2	3.96	4.00	4.04	4.23	4.34	4.47	4.58	4.62	4.67
FR3	3.74	3.79	3.85	4.01	4.14	4.29	4.49	4.55	4.62
FR4	3.68	3.72	3.76	3.93	4.04	4.19	4.54	4.76	5.04
FR5	3.72	3.77	3.84	4.01	4.14	4.36	4.84	5.14	5.36
FR6	3.93	3.96	4.01	4.18	4.30	4.64	5.26	5.51	5.69
FR7	4.31	4.38	4.48	4.72	5.37	5.94	6.21	6.36	6.48
FR8	4.63	4.78	4.90	5.24	5.89	6.28	6.52	6.67	6.80
FR9	5.30	5.57	5.73	6.07	6.41	6.72	6.97	7.16	7.28
FR10	5.70	5.85	6.02	6.30	6.56	6.81	7.17	7.22	7.32
FR11	4.87	5.10	5.27	5.59	5.88	6.18	6.45	6.56	6.68
MR1	4.32	4.41	4.53	4.71	4.96	5.26	5.52	5.61	5.76
MR2	4.15	4.29	4.44	4.65	4.94	5.23	5.53	5.61	5.72
MR3	3.87	4.02	4.08	4.36	4.66	5.08	5.45	5.55	5.70
MR4	4.41	4.52	4.62	4.79	5.05	5.24	5.45	5.60	5.71
MR5	2.29	2.57	2.99	3.51	5.25	6.16	6.53	6.81	7.03
MR6	2.14	2.57	3.09	3.59	5.69	6.33	6.80	6.95	7.27
LBR1	4.30	4.51	4.59	4.84	5.02	5.21	5.32	5.48	5.58
LBR2	3.70	3.81	3.97	4.15	4.37	4.55	4.74	4.80	4.93
LBR3	3.61	3.69	3.74	3.85	4.01	4.16	4.34	4.43	4.50
BR1	3.53	3.58	3.64	3.87	4.00	4.16	4.36	4.43	4.52
BR2	3.29	3.36	3.44	3.59	3.79	3.96	4.09	4.25	4.34
BR3	3.43	3.47	3.52	3.60	3.72	3.88	3.96	3.99	4.04
SCh1	3.46	3.54	3.61	3.71	3.83	3.93	4.02	4.08	4.15
SCh2	3.92	4.02	4.08	4.21	4.33	4.44	4.54	4.60	4.67
SR	4.90	4.95	5.18	5.52	5.84	6.17	6.35	6.41	6.48
StbR	4.60	4.80	4.96	5.29	5.61	5.90	6.11	6.20	6.39

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-4ftonly

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.02	0.02	0.01	0.00	-0.01	-0.01	-0.04	-0.05	-0.02	0.4	0.5	0.2	0.0	-0.3	-0.2	-0.8	-1.0	-0.4
FR2	0.02	0.01	0.01	-0.03	-0.04	-0.06	-0.07	-0.07	-0.09	0.5	0.2	0.2	-0.7	-0.8	-1.4	-1.5	-1.5	-1.8
FR3	0.04	0.02	0.02	-0.02	-0.05	-0.09	-0.23	-0.24	-0.37	1.0	0.6	0.5	-0.5	-1.2	-2.0	-4.8	-4.9	-7.4
FR4	0.02	0.02	0.01	-0.06	-0.08	-0.18	-0.39	-0.55	-0.50	0.5	0.5	0.3	-1.5	-2.0	-4.0	-8.0	-10.3	-9.1
FR5	0.04	0.01	-0.05	-0.07	-0.14	-0.41	-0.57	-0.50	-0.44	1.1	0.3	-1.2	-1.6	-3.2	-8.5	-10.6	-8.9	-7.6
FR6	-0.02	-0.05	-0.10	-0.14	-0.24	-0.55	-0.52	-0.41	-0.35	-0.6	-1.3	-2.4	-3.2	-5.3	-10.7	-8.9	-6.9	-5.8
FR7	-0.13	-0.17	-0.21	-0.37	-0.49	-0.24	-0.20	-0.21	-0.22	-2.9	-3.7	-4.5	-7.3	-8.3	-3.9	-3.2	-3.1	-3.3
FR8	-0.23	-0.27	-0.39	-0.42	-0.27	-0.15	-0.15	-0.13	-0.18	-4.8	-5.4	-7.3	-7.4	-4.3	-2.4	-2.3	-1.9	-2.6
FR9	-0.37	-0.33	-0.29	-0.19	-0.13	-0.09	-0.10	-0.07	-0.05	-6.6	-5.6	-4.8	-3.1	-2.0	-1.3	-1.4	-0.9	-0.7
FR10	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.02	0.00	-0.2	0.0	0.1	0.0	-0.1	0.1	0.0	-0.3	0.0
FR11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
MR1	-0.16	-0.17	-0.17	-0.18	-0.22	-0.28	-0.33	-0.36	-0.28	-3.6	-3.7	-3.6	-3.7	-4.2	-5.0	-5.6	-6.0	-4.6
MR2	-0.04	-0.03	-0.07	-0.13	-0.19	-0.27	-0.27	-0.30	-0.31	-1.1	-0.6	-1.6	-2.8	-3.7	-4.9	-4.7	-5.0	-5.2
MR3	0.02	-0.02	-0.02	-0.02	-0.08	-0.14	-0.14	-0.18	-0.15	0.4	-0.5	-0.6	-0.5	-1.6	-2.7	-2.5	-3.1	-2.5
MR4	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.05	0.01	0.4	0.3	0.2	0.2	0.0	-0.1	0.1	1.0	0.2
MR5	-0.02	0.01	0.02	0.05	-0.08	0.00	0.00	-0.01	0.02	-0.9	0.5	0.7	1.5	-1.5	0.0	0.0	-0.2	0.3
MR6	0.00	0.04	0.04	0.01	0.00	0.00	0.00	0.01	0.00	-0.1	1.5	1.2	0.3	0.0	0.0	0.0	0.1	0.0
LBR1	0.00	0.01	0.00	0.04	0.03	0.02	0.02	0.03	0.01	0.1	0.3	0.1	0.9	0.6	0.3	0.4	0.6	0.2
LBR2	0.00	0.00	0.01	0.01	0.01	0.00	0.03	0.03	0.04	-0.1	0.1	0.2	0.4	0.3	0.0	0.7	0.6	0.8
LBR3	0.07	0.11	0.09	0.07	0.06	0.05	0.10	0.09	0.04	2.0	3.1	2.4	1.8	1.4	1.2	2.3	2.0	0.9
BR1	0.00	-0.01	0.00	-0.03	-0.04	-0.05	-0.07	-0.07	-0.09	0.1	-0.2	-0.1	-0.7	-1.0	-1.2	-1.6	-1.6	-1.8
BR2	-0.01	-0.02	-0.01	-0.03	-0.03	-0.03	-0.05	-0.05	-0.05	-0.3	-0.7	-0.4	-0.8	-0.7	-0.9	-1.2	-1.1	-1.2
BR3	-0.03	-0.04	-0.04	-0.03	-0.02	0.03	-0.01	0.00	0.02	-0.9	-1.1	-1.1	-0.7	-0.6	0.9	-0.2	-0.1	0.5
SCh1	-0.05	-0.02	-0.02	-0.01	0.00	-0.02	-0.02	-0.02	-0.01	-1.3	-0.6	-0.6	-0.4	0.0	-0.6	-0.5	-0.4	-0.3
SCh2	-0.02	-0.02	-0.01	-0.04	-0.04	-0.06	-0.07	-0.05	-0.06	-0.5	-0.5	-0.3	-0.9	-1.0	-1.2	-1.5	-1.1	-1.2
SR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
StbR	-0.15	-0.13	-0.13	-0.15	-0.19	-0.19	-0.19	-0.22	-0.17	-3.1	-2.6	-2.5	-2.8	-3.2	-3.0	-3.0	-3.5	-2.6

46 ft Channel Depth

Mitigation Plan 6a

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-Plan6a_4ft

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.92	3.97	4.02	4.21	4.33	4.49	4.59	4.64	4.68
FR2	3.59	4.06	4.16	4.3	4.47	4.61	4.78	4.83	4.94
FR3	3.59	3.64	3.68	3.93	4.05	4.23	4.65	5.16	5.52
FR4	3.59	3.64	3.7	3.93	4.06	4.23	4.65	5.12	5.6
FR5	3.72	3.75	3.82	4.02	4.14	4.3	4.82	5.03	5.21
FR6	3.74	3.83	3.9	4.08	4.21	4.4	5	5.33	5.48
FR7	4.33	4.56	4.68	4.95	5.48	6	6.31	6.5	7.14
FR8	4.44	4.51	4.65	4.93	5.73	6.2	6.51	6.62	6.78
FR9	4.6	4.68	4.86	5.12	5.88	6.38	6.66	6.75	7.01
FR10	4.69	5.04	5.22	5.56	5.9	6.31	6.6	6.86	7.15
FR11	4.18	4.58	4.81	5.11	5.66	6.14	6.4	6.66	6.93
MR1	4.24	4.37	4.48	4.69	4.97	5.22	5.57	5.73	6.1
MR2	4.24	4.38	4.49	4.72	5.01	5.27	5.58	5.72	5.83
MR3	4.22	4.3	4.43	4.66	4.91	5.13	5.34	5.46	5.71
MR4	4.36	4.45	4.59	4.78	5.06	5.34	5.57	5.69	5.98
MR5	2.2	2.78	3.12	3.86	5.35	6.2	6.53	6.78	7.04
MR6	6.14	6.32	6.46	6.64	6.9	7.23	7.41	7.51	7.61
LBR1	4.03	4.81	5.13	5.49	5.8	6.1	6.32	6.55	6.68
LBR2	3.69	4.56	4.68	4.93	5.14	5.38	5.55	5.68	5.8
LBR3	2.59	2.68	2.84	3.06	3.33	3.64	3.81	3.89	4.04
BR1	1.74	2.03	2.61	3.41	4.06	4.68	4.94	5.01	5.1
BR2	1.41	1.79	1.99	2.42	2.93	3.55	3.86	3.99	4.16
BR3	1.62	1.85	1.99	2.16	2.41	2.82	3.34	3.49	3.66
SCH1	2.28	2.47	2.7	2.9	3.05	3.28	3.61	3.8	4
SCH2	3.7	3.86	3.95	4.09	4.27	4.4	4.54	4.62	4.77
SR	4.68	4.74	4.96	5.3	5.61	5.96	6.1	6.15	6.22
StbR	3.82	4.32	4.64	5.15	5.67	6.11	6.36	6.49	6.65

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing
 Project: Scenario: WASP-1997-Plan6a_4ft

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0	0.0	-0.02	-0.5	-0.03	-0.7	-0.01	-0.2	-0.05	-1.1	-0.03	-0.7	-0.04	-0.9	-0.06	-1.3	-0.06	-1.3
FR2	-0.07	-1.9	0.3	8.0	0.32	8.3	0.27	6.7	0.25	5.9	0.21	4.8	0.16	3.5	0.14	3.0	-0.14	-2.8
FR3	0.1	2.9	0.05	1.4	0.04	1.1	0.06	1.6	0	0.0	-0.06	-1.4	-0.13	-2.7	0.09	1.8	-0.08	-1.4
FR4	0.09	2.6	0.08	2.2	0.08	2.2	0.01	0.3	-0.01	-0.2	-0.17	-3.9	-0.31	-6.2	-0.19	-3.6	0.1	1.8
FR5	0.1	2.8	0.01	0.3	-0.07	-1.8	-0.06	-1.5	-0.17	-3.9	-0.59	-12.1	-0.6	-11.1	-0.6	-10.7	-0.57	-9.9
FR6	0.05	1.4	0.07	1.9	0.01	0.3	-0.04	-1.0	-0.05	-1.2	-0.38	-7.9	-0.57	-10.2	-0.44	-7.6	-0.43	-7.3
FR7	0.16	3.8	0.31	7.3	0.35	8.1	0.34	7.4	0.45	8.9	0.02	0.3	0.05	0.8	0.14	2.2	0.65	10.0
FR8	-0.22	-4.7	-0.27	-5.6	-0.41	-8.1	-0.58	-10.5	-0.39	-6.4	-0.24	-3.7	-0.21	-3.1	-0.23	-3.4	-0.33	-4.6
FR9	-0.28	-5.7	-0.35	-7.0	-0.47	-8.8	-0.6	-10.5	-0.4	-6.4	-0.22	-3.3	-0.19	-2.8	-0.27	-3.8	-0.18	-2.5
FR10	0.38	8.8	0.26	5.4	0.27	5.5	0.24	4.5	-0.01	-0.2	-0.12	-1.9	-0.08	-1.2	-0.15	-2.1	-0.07	-1.0
FR11	0.01	0.2	-0.12	-2.6	-0.12	-2.4	-0.13	-2.5	-0.01	-0.2	0	0.0	-0.1	-1.5	0.02	0.3	-0.2	-2.8
MR1	-0.17	-3.9	-0.16	-3.5	-0.14	-3.0	-0.2	-4.1	-0.19	-3.7	-0.37	-6.6	-0.32	-5.4	-0.27	-4.5	-0.12	-1.9
MR2	0.21	5.2	0.23	5.5	0.16	3.7	0.1	2.2	-0.06	-1.2	-0.26	-4.7	-0.22	-3.8	-0.18	-3.1	-0.2	-3.3
MR3	0.52	14.1	0.41	10.5	0.43	10.8	0.47	11.2	0.39	8.6	0.06	1.2	-0.37	-6.5	-0.47	-7.9	-0.48	-7.8
MR4	0.47	12.1	0.42	10.4	0.47	11.4	0.39	8.9	0.45	9.8	0.45	9.2	0.51	10.1	0.51	9.8	0.57	10.5
MR5	0.71	47.7	0.74	36.3	0.71	29.5	0.81	26.6	0.38	7.6	-0.03	-0.5	-0.04	-0.6	-0.11	-1.6	-0.07	-1.0
MR6	4.03	191.0	3.83	153.8	3.45	114.6	3.13	89.2	1.29	23.0	0.87	13.7	0.61	9.0	0.45	6.4	0.29	4.0
LBR1	0.46	12.9	0.46	10.6	0.38	8.0	0.36	7.0	0.37	6.8	0.46	8.2	0.35	5.9	0.39	6.3	0.21	3.2
LBR2	0	0.0	0.7	18.1	0.71	17.9	0.77	18.5	0.75	17.1	0.78	17.0	0.78	16.4	0.8	16.4	0.54	10.3
LBR3	-0.3	-10.4	-0.6	-18.3	-0.63	-18.2	-0.62	-16.8	-0.62	-15.7	-0.7	-16.1	-0.92	-19.5	-1.1	-22.0	-1.2	-22.9
BR1	-1.54	-47.0	-1.38	-40.5	-0.96	-26.9	-0.33	-8.8	0.09	2.3	0.48	11.4	0.51	11.5	0.48	10.6	0.46	9.9
BR2	-1.14	-44.7	-1.05	-37.0	-1	-33.4	-0.82	-25.3	-0.51	-14.8	-0.15	-4.1	0.02	0.5	0.06	1.5	0.13	3.2
BR3	-1.41	-46.5	-1.41	-43.3	-1.45	-42.2	-1.46	-40.3	-1.37	-36.2	-1.13	-28.6	-0.74	-18.1	-0.66	-15.9	-0.59	-13.9
SCH1	-0.11	-4.6	-0.1	-3.9	0.02	0.7	0.07	2.5	0.04	1.3	-0.13	-3.8	-0.16	-4.2	-0.09	-2.3	-0.14	-3.4
SCH2	-0.04	-1.1	-0.05	-1.3	-0.06	-1.5	-0.05	-1.2	-0.06	-1.4	-0.07	-1.6	-0.06	-1.3	-0.06	-1.3	-0.05	-1.0
SR	-0.01	-0.2	0	0.0	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	-0.02	-0.5	0.1	2.4	0.07	1.5	0.11	2.2	-0.02	-0.4	-0.09	-1.5	-0.13	-2.0	-0.15	-2.3	-0.19	-2.8

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project scenario: WASP-1997-Plan6a_4ft

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.12	4.20	4.26	4.37	4.48	4.57	4.65	4.73	4.78
FR2	3.96	3.99	4.03	4.26	4.38	4.52	4.63	4.66	4.72
FR3	3.77	3.83	3.88	4.08	4.21	4.36	4.56	4.64	4.71
FR4	3.73	3.76	3.79	4.02	4.12	4.28	4.64	4.84	5.10
FR5	3.77	3.83	3.92	4.09	4.22	4.43	4.92	5.22	5.40
FR6	3.94	3.98	4.03	4.25	4.35	4.67	5.27	5.57	5.71
FR7	4.28	4.39	4.48	4.70	5.27	5.87	6.17	6.34	6.42
FR8	4.61	4.75	4.84	5.15	5.83	6.24	6.47	6.58	6.70
FR9	5.22	5.43	5.60	5.94	6.38	6.66	6.92	7.11	7.24
FR10	5.46	5.76	5.90	6.15	6.48	6.73	7.09	7.19	7.29
FR11	4.54	4.75	4.91	5.18	5.49	5.76	5.99	6.12	6.30
MR1	4.31	4.45	4.56	4.73	4.99	5.24	5.53	5.64	5.81
MR2	4.26	4.41	4.57	4.78	5.00	5.21	5.52	5.68	5.77
MR3	4.31	4.42	4.53	4.74	4.96	5.18	5.33	5.40	5.55
MR4	4.76	4.91	5.03	5.23	5.52	5.74	5.96	6.14	6.30
MR5	3.26	3.52	3.91	4.36	5.62	6.18	6.49	6.75	6.95
MR6	2.95	3.23	3.43	3.71	4.22	4.67	4.89	5.04	5.14
LBR1	4.61	4.94	5.00	5.25	5.49	5.72	5.95	6.07	6.17
LBR2	4.31	4.41	4.51	4.71	4.94	5.16	5.32	5.41	5.55
LBR3	3.35	3.45	3.57	3.74	3.95	4.17	4.36	4.43	4.56
BR1	2.52	3.18	3.54	4.02	4.28	4.51	4.67	4.71	4.84
BR2	1.82	2.06	2.21	2.62	3.18	3.66	3.99	4.12	4.31
BR3	2.18	2.28	2.38	2.54	2.66	2.84	2.97	3.05	3.11
SCh1	3.39	3.51	3.61	3.73	3.84	3.94	4.01	4.05	4.13
SCh2	3.92	4.01	4.07	4.22	4.34	4.47	4.55	4.61	4.68
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.40	6.47
StbR	4.80	4.92	5.05	5.36	5.67	5.90	6.06	6.13	6.30

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-Plan6a_4ft

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	-0.01	0.00	0.00	0.00	-0.02	-0.03	-0.07	-0.07	-0.06	-0.1	0.0	-0.1	0.0	-0.4	-0.6	-1.5	-1.5	-1.3
FR2	0.02	0.00	0.00	0.01	0.01	-0.02	-0.02	-0.03	-0.04	0.5	0.0	0.0	0.2	0.2	-0.4	-0.5	-0.6	-0.8
FR3	0.07	0.06	0.05	0.05	0.02	-0.02	-0.15	-0.15	-0.28	2.0	1.5	1.4	1.2	0.4	-0.6	-3.2	-3.1	-5.6
FR4	0.08	0.06	0.04	0.03	0.00	-0.10	-0.30	-0.46	-0.45	2.1	1.5	1.1	0.8	0.0	-2.2	-6.0	-8.7	-8.1
FR5	0.09	0.07	0.04	0.01	-0.05	-0.34	-0.50	-0.43	-0.39	2.5	1.7	0.9	0.3	-1.3	-7.0	-9.2	-7.6	-6.8
FR6	-0.02	-0.03	-0.08	-0.07	-0.19	-0.53	-0.51	-0.36	-0.33	-0.4	-0.8	-1.9	-1.6	-4.2	-10.1	-8.7	-6.0	-5.5
FR7	-0.15	-0.16	-0.21	-0.39	-0.58	-0.31	-0.24	-0.23	-0.28	-3.5	-3.6	-4.4	-7.6	-10.0	-5.0	-3.8	-3.5	-4.1
FR8	-0.25	-0.30	-0.44	-0.51	-0.32	-0.19	-0.21	-0.23	-0.28	-5.2	-6.0	-8.4	-8.9	-5.2	-3.0	-3.1	-3.3	-4.0
FR9	-0.45	-0.48	-0.41	-0.32	-0.16	-0.15	-0.15	-0.11	-0.10	-8.0	-8.1	-6.9	-5.1	-2.4	-2.2	-2.1	-1.6	-1.4
FR10	-0.25	-0.09	-0.11	-0.15	-0.09	-0.08	-0.07	-0.05	-0.03	-4.4	-1.5	-1.9	-2.4	-1.4	-1.2	-1.0	-0.7	-0.4
FR11	-0.33	-0.35	-0.36	-0.41	-0.39	-0.42	-0.46	-0.43	-0.38	-6.8	-6.9	-6.9	-7.3	-6.6	-6.7	-7.1	-6.6	-5.7
MR1	-0.17	-0.14	-0.14	-0.16	-0.19	-0.30	-0.32	-0.32	-0.23	-3.8	-2.9	-3.0	-3.4	-3.6	-5.3	-5.5	-5.4	-3.9
MR2	0.07	0.10	0.06	-0.01	-0.13	-0.28	-0.29	-0.23	-0.26	1.6	2.3	1.2	-0.2	-2.5	-5.2	-4.9	-3.9	-4.3
MR3	0.46	0.38	0.42	0.35	0.23	-0.05	-0.26	-0.32	-0.30	11.9	9.4	10.3	8.1	4.8	-0.9	-4.6	-5.6	-5.2
MR4	0.37	0.40	0.42	0.44	0.46	0.49	0.52	0.60	0.60	8.5	9.0	9.1	9.3	9.2	9.4	9.5	10.8	10.6
MR5	0.94	0.97	0.95	0.90	0.28	0.02	-0.03	-0.07	-0.06	40.8	37.9	31.9	26.0	5.3	0.3	-0.5	-1.0	-0.8
MR6	0.80	0.70	0.37	0.13	-1.47	-1.65	-1.92	-1.91	-2.14	37.5	27.4	12.2	3.5	-25.9	-26.1	-28.2	-27.5	-29.4
LBR1	0.32	0.45	0.41	0.46	0.50	0.53	0.65	0.62	0.60	7.4	9.9	9.0	9.5	9.9	10.1	12.3	11.5	10.8
LBR2	0.62	0.61	0.55	0.57	0.59	0.61	0.61	0.64	0.65	16.6	16.0	13.9	13.9	13.5	13.3	12.9	13.4	13.4
LBR3	-0.19	-0.13	-0.08	-0.04	0.01	0.07	0.12	0.08	0.10	-5.5	-3.5	-2.3	-1.1	0.1	1.6	2.9	1.9	2.2
BR1	-1.01	-0.40	-0.10	0.12	0.25	0.29	0.24	0.20	0.24	-28.7	-11.2	-2.6	3.1	6.1	6.9	5.3	4.5	5.2
BR2	-1.48	-1.32	-1.25	-1.00	-0.63	-0.33	-0.15	-0.17	-0.07	-44.9	-39.0	-36.1	-27.7	-16.5	-8.1	-3.6	-4.0	-1.7
BR3	-1.28	-1.23	-1.18	-1.09	-1.08	-1.01	-1.00	-0.95	-0.90	-37.0	-35.0	-33.1	-30.1	-28.9	-26.2	-25.2	-23.8	-22.5
SCh1	-0.12	-0.05	-0.02	0.01	0.02	-0.02	-0.02	-0.04	-0.04	-3.3	-1.5	-0.5	0.3	0.4	-0.5	-0.6	-1.0	-0.9
SCh2	-0.02	-0.04	-0.02	-0.03	-0.04	-0.03	-0.05	-0.03	-0.05	-0.5	-0.9	-0.5	-0.6	-0.8	-0.6	-1.2	-0.7	-1.1
SR	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.05	-0.01	-0.04	-0.08	-0.12	-0.19	-0.24	-0.29	-0.26	1.1	-0.1	-0.8	-1.5	-2.1	-3.2	-3.8	-4.6	-4.0

46 ft Channel Depth

Mitigation Plan 6a

D.O. Mitigation

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: 6A4ft-withDOmitigation

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.98	4.04	4.07	4.3	4.43	4.6	4.74	4.78	4.89
FR2	3.86	3.95	4.03	4.29	4.47	4.64	4.91	4.98	5.03
FR3	3.74	3.79	3.84	4.14	4.31	4.57	5.07	5.67	6.02
FR4	3.74	3.8	3.88	4.15	4.32	4.57	5.08	5.6	6.12
FR5	3.88	3.97	4.08	4.33	4.48	4.81	5.44	5.68	5.97
FR6	3.91	4.01	4.1	4.35	4.51	4.79	5.51	5.86	6.07
FR7	4.27	4.41	4.49	4.72	4.98	5.7	6.57	6.9	7.01
FR8	4.77	4.87	5.06	5.4	6.6	7.56	8.19	8.53	8.88
FR9	4.98	5.09	5.34	5.72	6.79	7.83	10.11	10.81	11.55
FR10	4.69	5.04	5.22	5.56	5.9	6.31	6.6	6.86	7.15
FR11	4.18	4.58	4.81	5.11	5.66	6.14	6.4	6.66	6.93
MR1	4.53	4.71	4.84	5.08	5.37	5.68	6.14	6.28	6.47
MR2	4.45	4.58	4.7	5	5.33	5.64	6.02	6.27	6.38
MR3	4.3	4.45	4.58	4.76	5.05	5.37	5.65	5.83	6.05
MR4	4.47	4.61	4.68	4.87	5.15	5.38	5.59	5.7	5.98
MR5	2.2	2.78	3.12	3.86	5.35	6.2	6.53	6.78	7.04
MR6	6.14	6.32	6.46	6.64	6.9	7.23	7.41	7.51	7.61
LBR1	4.03	4.82	5.13	5.49	5.8	6.1	6.32	6.55	6.68
LBR2	3.69	4.56	4.68	4.93	5.14	5.38	5.55	5.68	5.8
LBR3	2.61	2.69	2.83	3.06	3.32	3.64	3.82	3.89	4.04
BR1	3.88	4.52	4.78	4.96	5.12	5.33	5.5	5.66	5.78
BR2	2.57	2.78	3	3.4	4.58	5.22	5.42	5.57	5.73
BR3	2.36	2.46	2.53	2.64	2.85	3.08	3.47	3.74	4.06
SCH1	2.44	2.6	2.83	3.03	3.18	3.41	3.7	3.89	4.07
SCH2	3.88	4.02	4.14	4.28	4.46	4.6	4.72	4.81	4.93
SR	4.68	4.74	4.96	5.3	5.61	5.96	6.1	6.15	6.22
StbR	4.14	4.81	5.14	5.84	6.53	7.14	7.6	7.89	8.31

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: 6A4ft-withDomitigation

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.06	1.5	0.05	1.3	0.02	0.5	0.08	1.9	0.05	1.1	0.08	1.8	0.11	2.4	0.08	1.7	0.15	3.2
FR2	0.2	5.5	0.19	5.1	0.19	4.9	0.26	6.5	0.25	5.9	0.24	5.5	0.29	6.3	0.29	6.2	-0.05	-1.0
FR3	0.25	7.2	0.2	5.6	0.2	5.5	0.27	7.0	0.26	6.4	0.28	6.5	0.29	6.1	0.6	11.8	0.42	7.5
FR4	0.24	6.9	0.24	6.7	0.26	7.2	0.23	5.9	0.25	6.1	0.17	3.9	0.12	2.4	0.29	5.5	0.62	11.3
FR5	0.26	7.2	0.23	6.1	0.19	4.9	0.25	6.1	0.17	3.9	-0.08	-1.6	0.02	0.4	0.05	0.9	0.19	3.3
FR6	0.22	6.0	0.25	6.6	0.21	5.4	0.23	5.6	0.25	5.9	0.01	0.2	-0.06	-1.1	0.09	1.6	0.16	2.7
FR7	0.1	2.4	0.16	3.8	0.16	3.7	0.11	2.4	-0.05	-1.0	-0.28	-4.7	0.31	5.0	0.54	8.5	0.52	8.0
FR8	0.11	2.4	0.09	1.9	0	0.0	-0.11	-2.0	0.48	7.8	1.12	17.4	1.47	21.9	1.68	24.5	1.77	24.9
FR9	0.1	2.0	0.06	1.2	0.01	0.2	0	0.0	0.51	8.1	1.23	18.6	3.26	47.6	3.79	54.0	4.36	60.6
FR10	0.38	8.8	0.26	5.4	0.27	5.5	0.24	4.5	-0.01	-0.2	-0.12	-1.9	-0.08	-1.2	-0.15	-2.1	-0.07	-1.0
FR11	0.01	0.2	-0.12	-2.6	-0.12	-2.4	-0.13	-2.5	-0.01	-0.2	0	0.0	-0.1	-1.5	0.02	0.3	-0.2	-2.8
MR1	0.12	2.7	0.18	4.0	0.22	4.8	0.19	3.9	0.21	4.1	0.09	1.6	0.25	4.2	0.28	4.7	0.25	4.0
MR2	0.42	10.4	0.43	10.4	0.37	8.5	0.38	8.2	0.26	5.1	0.11	2.0	0.22	3.8	0.37	6.3	0.35	5.8
MR3	0.6	16.2	0.56	14.4	0.58	14.5	0.57	13.6	0.53	11.7	0.3	5.9	-0.06	-1.1	-0.1	-1.7	-0.14	-2.3
MR4	0.58	14.9	0.58	14.4	0.56	13.6	0.48	10.9	0.54	11.7	0.49	10.0	0.53	10.5	0.52	10.0	0.57	10.5
MR5	0.71	47.7	0.74	36.3	0.71	29.5	0.81	26.6	0.38	7.6	-0.03	-0.5	-0.04	-0.6	-0.11	-1.6	-0.07	-1.0
MR6	4.03	191.0	3.83	153.8	3.45	114.6	3.13	89.2	1.29	23.0	0.87	13.7	0.61	9.0	0.45	6.4	0.29	4.0
LBR1	0.46	12.9	0.47	10.8	0.38	8.0	0.36	7.0	0.37	6.8	0.46	8.2	0.35	5.9	0.39	6.3	0.21	3.2
LBR2	0	0.0	0.7	18.1	0.71	17.9	0.77	18.5	0.75	17.1	0.78	17.0	0.78	16.4	0.8	16.4	0.54	10.3
LBR3	-0.28	-9.7	-0.59	-18.0	-0.64	-18.4	-0.62	-16.8	-0.63	-15.9	-0.7	-16.1	-0.91	-19.2	-1.1	-22.0	-1.2	-22.9
BR1	0.6	18.3	1.11	32.6	1.21	33.9	1.22	32.6	1.15	29.0	1.13	26.9	1.07	24.2	1.13	24.9	1.14	24.6
BR2	0.02	0.8	-0.06	-2.1	0.01	0.3	0.16	4.9	1.14	33.1	1.52	41.1	1.58	41.1	1.64	41.7	1.7	42.2
BR3	-0.67	-22.1	-0.8	-24.5	-0.91	-26.5	-0.98	-27.1	-0.93	-24.6	-0.87	-22.0	-0.61	-15.0	-0.41	-9.9	-0.19	-4.5
SCH1	0.05	2.1	0.03	1.2	0.15	5.6	0.2	7.1	0.17	5.6	0	0.0	-0.07	-1.9	0	0.0	-0.07	-1.7
SCH2	0.14	3.7	0.11	2.8	0.13	3.2	0.14	3.4	0.13	3.0	0.13	2.9	0.12	2.6	0.13	2.8	0.11	2.3
SR	-0.01	-0.2	0	0.0	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	0.3	7.8	0.59	14.0	0.57	12.5	0.8	15.9	0.84	14.8	0.94	15.2	1.11	17.1	1.25	18.8	1.47	21.5

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: 6A4ft-withDOmitigation

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.16	4.23	4.29	4.42	4.53	4.62	4.69	4.75	4.80
FR2	4.07	4.09	4.14	4.41	4.54	4.73	4.86	4.94	5.00
FR3	3.91	3.98	4.03	4.29	4.44	4.62	4.98	5.02	5.12
FR4	3.89	3.92	3.97	4.25	4.39	4.58	5.09	5.34	5.61
FR5	3.93	4.02	4.12	4.34	4.50	4.80	5.41	5.76	5.97
FR6	4.16	4.20	4.27	4.54	4.71	5.11	5.83	6.17	6.31
FR7	4.57	4.70	4.87	5.12	5.88	6.52	6.97	7.08	7.17
FR8	4.98	5.15	5.30	5.69	6.68	7.41	8.06	8.23	8.47
FR9	6.34	6.68	6.81	7.07	7.36	7.67	7.93	8.13	8.29
FR10	5.46	5.76	5.91	6.17	6.53	6.79	7.11	7.24	7.49
FR11	4.54	4.75	4.91	5.18	5.49	5.76	5.99	6.12	6.30
MR1	4.63	4.77	4.89	5.11	5.37	5.67	6.02	6.25	6.37
MR2	4.48	4.61	4.76	5.04	5.32	5.61	5.95	6.23	6.34
MR3	4.42	4.52	4.65	4.85	5.12	5.39	5.56	5.71	5.89
MR4	4.80	4.93	5.05	5.25	5.53	5.76	5.96	6.14	6.30
MR5	3.26	3.52	3.91	4.36	5.62	6.18	6.49	6.75	6.95
MR6	2.95	3.23	3.43	3.71	4.22	4.67	4.89	5.04	5.14
LBR1	4.61	4.94	5.00	5.26	5.49	5.72	5.95	6.07	6.17
LBR2	4.31	4.41	4.51	4.71	4.94	5.16	5.32	5.41	5.55
LBR3	3.34	3.45	3.57	3.74	3.95	4.17	4.36	4.43	4.56
BR1	4.52	4.73	4.86	5.08	5.38	5.73	5.87	6.00	6.08
BR2	3.08	3.61	3.91	4.44	5.14	5.43	5.66	5.78	5.83
BR3	2.78	2.85	2.92	3.03	3.24	3.54	3.80	3.95	4.11
SCh1	3.51	3.62	3.72	3.86	3.97	4.05	4.12	4.15	4.21
SCh2	4.09	4.16	4.22	4.40	4.53	4.64	4.72	4.77	4.84
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.40	6.47
StbR	5.12	5.40	5.60	5.94	6.41	6.77	7.04	7.17	7.31

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: 6A4ft-withDOMitigation

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.03	0.03	0.03	0.04	0.04	0.02	-0.03	-0.05	-0.04	0.7	0.7	0.7	1.0	0.8	0.5	-0.6	-1.0	-0.9
FR2	0.13	0.10	0.10	0.16	0.17	0.19	0.21	0.25	0.24	3.2	2.6	2.6	3.6	3.9	4.3	4.6	5.3	5.0
FR3	0.21	0.21	0.20	0.26	0.25	0.24	0.27	0.24	0.13	5.8	5.5	5.2	6.5	6.0	5.4	5.7	5.0	2.5
FR4	0.23	0.21	0.22	0.26	0.27	0.20	0.15	0.03	0.07	6.4	5.7	5.8	6.5	6.5	4.7	3.1	0.6	1.3
FR5	0.26	0.26	0.24	0.27	0.23	0.04	0.00	0.11	0.17	7.0	6.8	6.1	6.5	5.4	0.8	0.0	2.0	3.0
FR6	0.20	0.19	0.16	0.22	0.16	-0.09	0.05	0.24	0.26	5.0	4.8	3.9	5.0	3.5	-1.7	0.9	4.1	4.4
FR7	0.13	0.15	0.18	0.03	0.02	0.34	0.55	0.52	0.47	3.0	3.3	3.7	0.6	0.4	5.5	8.6	7.9	7.0
FR8	0.12	0.10	0.02	0.03	0.53	0.98	1.38	1.42	1.49	2.6	2.0	0.3	0.5	8.5	15.2	20.7	20.9	21.4
FR9	0.67	0.77	0.80	0.81	0.83	0.86	0.86	0.91	0.95	11.9	13.1	13.2	12.9	12.6	12.6	12.2	12.6	13.0
FR10	-0.25	-0.09	-0.11	-0.13	-0.04	-0.02	-0.05	0.00	0.16	-4.4	-1.5	-1.8	-2.0	-0.6	-0.2	-0.7	0.1	2.2
FR11	-0.33	-0.35	-0.36	-0.41	-0.39	-0.42	-0.46	-0.43	-0.38	-6.8	-6.9	-6.9	-7.3	-6.6	-6.7	-7.1	-6.6	-5.7
MR1	0.15	0.18	0.19	0.22	0.20	0.14	0.18	0.28	0.33	3.3	4.0	4.2	4.5	3.8	2.4	3.1	4.7	5.4
MR2	0.28	0.30	0.25	0.26	0.19	0.11	0.15	0.32	0.31	6.7	6.9	5.5	5.3	3.8	2.0	2.5	5.5	5.2
MR3	0.57	0.49	0.55	0.47	0.38	0.17	-0.02	-0.01	0.04	14.7	12.1	13.4	10.7	8.0	3.2	-0.4	-0.2	0.6
MR4	0.41	0.42	0.44	0.46	0.48	0.52	0.52	0.60	0.61	9.4	9.4	9.4	9.7	9.4	9.9	9.6	10.9	10.6
MR5	0.94	0.97	0.95	0.90	0.28	0.02	-0.03	-0.07	-0.06	40.8	37.9	31.9	26.0	5.3	0.3	-0.5	-1.0	-0.8
MR6	0.80	0.70	0.37	0.13	-1.47	-1.65	-1.92	-1.91	-2.14	37.5	27.4	12.2	3.5	-25.9	-26.1	-28.2	-27.5	-29.4
LBR1	0.32	0.45	0.41	0.46	0.50	0.53	0.65	0.62	0.60	7.4	9.9	9.0	9.6	9.9	10.1	12.3	11.5	10.8
LBR2	0.62	0.61	0.55	0.57	0.59	0.61	0.61	0.64	0.65	16.6	16.0	13.9	13.9	13.6	13.3	12.9	13.4	13.4
LBR3	-0.20	-0.13	-0.09	-0.04	0.01	0.07	0.12	0.08	0.10	-5.5	-3.5	-2.4	-1.1	0.1	1.6	2.9	1.9	2.3
BR1	0.99	1.15	1.22	1.18	1.35	1.52	1.44	1.50	1.48	28.2	32.1	33.5	30.3	33.3	36.0	32.6	33.4	32.2
BR2	-0.21	0.23	0.45	0.82	1.33	1.44	1.52	1.49	1.45	-6.5	6.7	13.0	22.6	34.8	36.1	36.7	34.6	33.0
BR3	-0.68	-0.65	-0.64	-0.59	-0.50	-0.31	-0.17	-0.04	0.09	-19.7	-18.6	-17.9	-16.3	-13.3	-8.0	-4.3	-1.1	2.3
SCh1	0.01	0.06	0.09	0.14	0.15	0.10	0.08	0.05	0.05	0.2	1.6	2.6	3.7	3.8	2.5	2.0	1.3	1.2
SCh2	0.15	0.12	0.12	0.15	0.15	0.14	0.12	0.12	0.11	3.7	3.0	3.0	3.4	3.5	3.2	2.5	2.6	2.4
SR	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.38	0.47	0.51	0.50	0.62	0.68	0.74	0.74	0.75	8.0	9.5	10.1	9.3	10.7	11.1	11.7	11.5	11.5

45 ft Channel Depth

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-3ftonly

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.95	3.99	4.03	4.19	4.35	4.48	4.59	4.66	4.73
FR2	3.65	3.75	3.84	4.01	4.15	4.35	4.51	4.56	4.62
FR3	3.51	3.57	3.61	3.84	3.98	4.18	4.6	4.9	5.43
FR4	3.51	3.57	3.62	3.84	4	4.21	4.63	4.98	5.53
FR5	3.68	3.74	3.83	3.99	4.15	4.44	4.97	5.3	5.5
FR6	3.7	3.78	3.87	4.02	4.15	4.4	5.1	5.39	5.59
FR7	4.46	4.6	4.71	4.99	5.61	6.07	6.39	6.58	6.83
FR8	4.47	4.58	4.73	5.09	5.91	6.31	6.6	6.74	6.98
FR9	5.36	5.8	5.92	6.2	6.45	6.72	6.98	7.21	7.62
FR10	4.34	4.8	4.97	5.32	5.91	6.43	6.69	7.02	7.22
FR11	4.22	4.66	4.94	5.24	5.66	6.14	6.51	6.65	7.16
MR1	4.32	4.38	4.49	4.7	4.99	5.34	5.6	5.78	6.08
MR2	4.03	4.11	4.3	4.57	4.95	5.36	5.62	5.76	5.91
MR3	3.74	3.89	3.99	4.16	4.47	4.97	5.64	5.86	6.23
MR4	4.02	4.18	4.31	4.47	4.73	5	5.14	5.27	5.48
MR5	1.5	2.05	2.45	3.08	4.89	6.23	6.57	6.91	7.11
MR6	2.11	2.53	3.03	3.55	5.61	6.37	6.81	7.06	7.33
LBR1	3.61	4.36	4.78	5.19	5.44	5.68	5.99	6.16	6.49
LBR2	3.53	3.86	3.97	4.16	4.4	4.64	4.81	5.01	5.59
LBR3	3.05	3.36	3.53	3.79	4.1	4.49	4.82	5.03	5.31
BR1	3.28	3.4	3.56	3.73	3.95	4.17	4.39	4.47	4.62
BR2	2.6	2.82	3.01	3.24	3.43	3.69	3.86	3.94	4.03
BR3	3.02	3.21	3.34	3.53	3.7	3.9	4.04	4.1	4.24
SCH1	2.38	2.59	2.68	2.88	3.27	4.03	4.35	4.47	4.74
SCH2	3.76	3.88	3.97	4.1	4.27	4.41	4.56	4.63	4.77
SR	4.69	4.74	4.97	5.31	5.62	5.97	6.11	6.16	6.23
StbR	3.59	4.05	4.51	5.03	5.69	6.12	6.43	6.61	6.78

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: WASP-1997-3ftonly

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.03	0.8	0	0.0	-0.02	-0.5	-0.03	-0.7	-0.03	-0.7	-0.04	-0.9	-0.04	-0.9	-0.04	-0.9	-0.01	-0.2
FR2	-0.01	-0.3	-0.01	-0.3	0	0.0	-0.02	-0.5	-0.07	-1.7	-0.05	-1.1	-0.11	-2.4	-0.13	-2.8	-0.46	-9.1
FR3	0.02	0.6	-0.02	-0.6	-0.03	-0.8	-0.03	-0.8	-0.07	-1.7	-0.11	-2.6	-0.18	-3.8	-0.17	-3.4	-0.17	-3.0
FR4	0.01	0.3	0.01	0.3	0	0.0	-0.08	-2.0	-0.07	-1.7	-0.19	-4.3	-0.33	-6.7	-0.33	-6.2	0.03	0.5
FR5	0.06	1.7	0	0.0	-0.06	-1.5	-0.09	-2.2	-0.16	-3.7	-0.45	-9.2	-0.45	-8.3	-0.33	-5.9	-0.28	-4.8
FR6	0.01	0.3	0.02	0.5	-0.02	-0.5	-0.1	-2.4	-0.11	-2.6	-0.38	-7.9	-0.47	-8.4	-0.38	-6.6	-0.32	-5.4
FR7	0.29	7.0	0.35	8.2	0.38	8.8	0.38	8.2	0.58	11.5	0.09	1.5	0.13	2.1	0.22	3.5	0.34	5.2
FR8	-0.19	-4.1	-0.2	-4.2	-0.33	-6.5	-0.42	-7.6	-0.21	-3.4	-0.13	-2.0	-0.12	-1.8	-0.11	-1.6	-0.13	-1.8
FR9	0.48	9.8	0.77	15.3	0.59	11.1	0.48	8.4	0.17	2.7	0.12	1.8	0.13	1.9	0.19	2.7	0.43	6.0
FR10	0.03	0.7	0.02	0.4	0.02	0.4	0	0.0	0	0.0	0	0.0	0.01	0.1	0.01	0.1	0	0.0
FR11	0.05	1.2	-0.04	-0.9	0.01	0.2	0	0.0	-0.01	-0.2	0	0.0	0.01	0.2	0.01	0.2	0.03	0.4
MR1	-0.09	-2.0	-0.15	-3.3	-0.13	-2.8	-0.19	-3.9	-0.17	-3.3	-0.25	-4.5	-0.29	-4.9	-0.22	-3.7	-0.14	-2.3
MR2	0	0.0	-0.04	-1.0	-0.03	-0.7	-0.05	-1.1	-0.12	-2.4	-0.17	-3.1	-0.18	-3.1	-0.14	-2.4	-0.12	-2.0
MR3	0.04	1.1	0	0.0	-0.01	-0.2	-0.03	-0.7	-0.05	-1.1	-0.1	-2.0	-0.07	-1.2	-0.07	-1.2	0.04	0.6
MR4	0.13	3.3	0.15	3.7	0.19	4.6	0.08	1.8	0.12	2.6	0.11	2.2	0.08	1.6	0.09	1.7	0.07	1.3
MR5	0.01	0.7	0.01	0.5	0.04	1.7	0.03	1.0	-0.08	-1.6	0	0.0	0	0.0	0.02	0.3	0	0.0
MR6	0	0.0	0.04	1.6	0.02	0.7	0.04	1.1	0	0.0	0.01	0.2	0.01	0.1	0	0.0	0.01	0.1
LBR1	0.04	1.1	0.01	0.2	0.03	0.6	0.06	1.2	0.01	0.2	0.04	0.7	0.02	0.3	0	0.0	0.02	0.3
LBR2	-0.16	-4.3	0	0.0	0	0.0	0	0.0	0.01	0.2	0.04	0.9	0.04	0.8	0.13	2.7	0.33	6.3
LBR3	0.16	5.5	0.08	2.4	0.06	1.7	0.11	3.0	0.15	3.8	0.15	3.5	0.09	1.9	0.04	0.8	0.07	1.3
BR1	0	0.0	-0.01	-0.3	-0.01	-0.3	-0.01	-0.3	-0.02	-0.5	-0.03	-0.7	-0.04	-0.9	-0.06	-1.3	-0.02	-0.4
BR2	0.05	2.0	-0.02	-0.7	0.02	0.7	0	0.0	-0.01	-0.3	-0.01	-0.3	0.02	0.5	0.01	0.3	0	0.0
BR3	-0.01	-0.3	-0.05	-1.5	-0.1	-2.9	-0.09	-2.5	-0.08	-2.1	-0.05	-1.3	-0.04	-1.0	-0.05	-1.2	-0.01	-0.2
SCH1	-0.01	-0.4	0.02	0.8	0	0.0	0.05	1.8	0.26	8.6	0.62	18.2	0.58	15.4	0.58	14.9	0.6	14.5
SCH2	0.02	0.5	-0.03	-0.8	-0.04	-1.0	-0.04	-1.0	-0.06	-1.4	-0.06	-1.3	-0.04	-0.9	-0.05	-1.1	-0.05	-1.0
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
StbR	-0.25	-6.5	-0.17	-4.0	-0.06	-1.3	-0.01	-0.2	0	0.0	-0.08	-1.3	-0.06	-0.9	-0.03	-0.5	-0.06	-0.9

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: WASP-1997-3ftonly

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.16	4.21	4.26	4.37	4.49	4.57	4.69	4.76	4.81
FR2	3.96	3.99	4.05	4.23	4.34	4.49	4.60	4.64	4.69
FR3	3.72	3.78	3.83	4.01	4.15	4.31	4.54	4.61	4.68
FR4	3.67	3.71	3.75	3.93	4.06	4.20	4.62	4.92	5.12
FR5	3.70	3.76	3.85	4.02	4.15	4.42	4.98	5.30	5.49
FR6	3.93	3.97	4.03	4.21	4.35	4.75	5.41	5.64	5.80
FR7	4.33	4.41	4.52	4.77	5.50	6.02	6.26	6.40	6.53
FR8	4.66	4.83	4.97	5.33	5.96	6.32	6.56	6.70	6.81
FR9	5.36	5.66	5.84	6.10	6.45	6.74	6.99	7.19	7.29
FR10	5.70	5.85	6.02	6.30	6.56	6.81	7.17	7.22	7.32
FR11	4.88	5.10	5.27	5.59	5.89	6.18	6.45	6.56	6.68
MR1	4.34	4.45	4.56	4.76	5.00	5.33	5.58	5.67	5.84
MR2	4.17	4.28	4.47	4.67	4.98	5.30	5.59	5.69	5.80
MR3	3.87	4.02	4.10	4.36	4.68	5.11	5.48	5.59	5.73
MR4	4.42	4.52	4.62	4.79	5.06	5.24	5.44	5.58	5.72
MR5	2.30	2.56	2.99	3.50	5.27	6.16	6.53	6.81	7.03
MR6	2.14	2.59	3.09	3.60	5.70	6.32	6.80	6.94	7.28
LBR1	4.30	4.51	4.60	4.83	5.01	5.21	5.32	5.47	5.58
LBR2	3.69	3.80	3.96	4.14	4.36	4.56	4.74	4.80	4.90
LBR3	3.59	3.67	3.72	3.84	4.00	4.16	4.32	4.40	4.50
BR1	3.52	3.58	3.64	3.88	4.01	4.18	4.38	4.45	4.54
BR2	3.30	3.37	3.45	3.60	3.80	3.96	4.11	4.26	4.35
BR3	3.43	3.49	3.53	3.61	3.73	3.88	3.96	4.00	4.03
SCh1	3.48	3.55	3.61	3.71	3.82	3.94	4.04	4.10	4.21
SCh2	3.95	4.04	4.09	4.22	4.34	4.45	4.54	4.60	4.69
SR	4.90	4.95	5.18	5.52	5.84	6.17	6.35	6.41	6.48
StbR	4.65	4.85	4.98	5.33	5.66	5.96	6.16	6.25	6.41

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-3ftonly

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.03	0.01	0.00	-0.01	-0.01	-0.02	-0.03	-0.04	-0.03	0.6	0.3	0.0	-0.2	-0.2	-0.5	-0.6	-0.8	-0.7
FR2	0.01	0.00	0.01	-0.02	-0.04	-0.05	-0.05	-0.05	-0.07	0.4	0.1	0.3	-0.5	-0.8	-1.0	-1.0	-1.0	-1.4
FR3	0.03	0.01	0.00	-0.02	-0.04	-0.07	-0.18	-0.18	-0.32	0.7	0.4	0.1	-0.5	-1.0	-1.6	-3.8	-3.7	-6.3
FR4	0.01	0.01	0.00	-0.05	-0.07	-0.17	-0.31	-0.39	-0.43	0.4	0.2	-0.1	-1.3	-1.6	-3.9	-6.3	-7.3	-7.7
FR5	0.02	0.00	-0.03	-0.06	-0.13	-0.35	-0.43	-0.35	-0.30	0.6	-0.1	-0.8	-1.4	-3.0	-7.3	-8.0	-6.2	-5.2
FR6	-0.02	-0.04	-0.08	-0.11	-0.20	-0.45	-0.37	-0.28	-0.25	-0.6	-0.9	-1.9	-2.6	-4.4	-8.6	-6.4	-4.8	-4.1
FR7	-0.11	-0.14	-0.17	-0.32	-0.36	-0.17	-0.15	-0.16	-0.17	-2.5	-3.1	-3.6	-6.2	-6.1	-2.7	-2.4	-2.5	-2.5
FR8	-0.20	-0.22	-0.32	-0.33	-0.20	-0.11	-0.12	-0.10	-0.17	-4.2	-4.3	-6.0	-5.9	-3.2	-1.7	-1.7	-1.5	-2.4
FR9	-0.31	-0.24	-0.18	-0.16	-0.09	-0.07	-0.08	-0.04	-0.04	-5.5	-4.1	-3.0	-2.5	-1.3	-1.0	-1.1	-0.5	-0.6
FR10	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	-0.2	0.0	0.1	0.0	0.0	0.1	0.1	-0.2	0.0
FR11	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1
MR1	-0.14	-0.13	-0.14	-0.14	-0.18	-0.21	-0.27	-0.29	-0.20	-3.0	-2.9	-3.0	-2.8	-3.4	-3.7	-4.6	-4.9	-3.3
MR2	-0.02	-0.03	-0.04	-0.12	-0.15	-0.20	-0.21	-0.22	-0.23	-0.5	-0.8	-0.9	-2.5	-2.9	-3.6	-3.7	-3.7	-3.9
MR3	0.02	-0.01	0.00	-0.02	-0.06	-0.11	-0.11	-0.14	-0.12	0.4	-0.3	-0.1	-0.4	-1.2	-2.1	-1.9	-2.4	-2.0
MR4	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.04	0.02	0.7	0.4	0.2	0.2	0.1	0.0	0.1	0.8	0.3
MR5	-0.01	0.01	0.02	0.04	-0.07	-0.01	0.00	-0.01	0.02	-0.6	0.2	0.8	1.1	-1.3	-0.1	0.1	-0.1	0.3
MR6	0.00	0.06	0.03	0.02	0.01	-0.01	0.00	0.00	0.00	-0.1	2.4	1.1	0.6	0.1	-0.2	0.0	-0.1	0.0
LBR1	0.00	0.01	0.01	0.03	0.02	0.02	0.02	0.02	0.01	0.0	0.2	0.1	0.7	0.5	0.3	0.4	0.3	0.2
LBR2	-0.01	-0.01	0.00	0.01	0.01	0.00	0.03	0.03	0.01	-0.2	-0.2	0.0	0.2	0.2	0.1	0.6	0.6	0.1
LBR3	0.05	0.09	0.06	0.05	0.05	0.05	0.08	0.05	0.04	1.5	2.5	1.8	1.4	1.3	1.3	1.8	1.3	0.8
BR1	0.00	0.00	0.00	-0.02	-0.03	-0.04	-0.05	-0.05	-0.06	-0.1	0.0	-0.1	-0.6	-0.8	-0.9	-1.2	-1.2	-1.3
BR2	0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.04	-0.03	-0.04	0.2	-0.3	-0.3	-0.6	-0.4	-0.6	-0.8	-0.8	-0.8
BR3	-0.03	-0.02	-0.02	-0.02	-0.01	0.03	-0.01	0.00	0.01	-0.9	-0.6	-0.7	-0.6	-0.4	0.7	-0.2	0.1	0.2
SCh1	-0.02	-0.01	-0.02	-0.01	0.00	-0.01	0.00	0.01	0.05	-0.7	-0.3	-0.5	-0.3	-0.1	-0.3	0.0	0.1	1.2
SCh2	0.01	-0.01	0.00	-0.03	-0.03	-0.04	-0.07	-0.05	-0.04	0.2	-0.1	-0.1	-0.6	-0.7	-1.0	-1.4	-1.1	-0.8
SR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
StbR	-0.10	-0.08	-0.11	-0.11	-0.14	-0.13	-0.14	-0.18	-0.15	-2.0	-1.6	-2.1	-2.0	-2.3	-2.1	-2.3	-2.8	-2.3

45 ft Channel Depth

Mitigation Plan 6a

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-Plan6a_3ft

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.93	3.98	4.03	4.2	4.34	4.5	4.61	4.64	4.71
FR2	3.49	4.07	4.16	4.32	4.47	4.62	4.78	4.84	4.95
FR3	3.59	3.64	3.69	3.95	4.08	4.3	4.68	5.2	5.55
FR4	3.6	3.64	3.69	3.97	4.08	4.29	4.76	5.23	5.61
FR5	3.72	3.77	3.86	4.06	4.2	4.38	5.01	5.27	5.47
FR6	3.76	3.84	3.91	4.12	4.24	4.47	5.18	5.48	5.63
FR7	4.06	4.18	4.23	4.41	4.66	5.38	6.05	6.21	6.39
FR8	4.47	4.56	4.72	5.03	5.87	6.26	6.51	6.66	6.86
FR9	4.65	4.73	4.92	5.23	5.97	6.43	6.68	6.76	7.01
FR10	4.69	5.04	5.22	5.55	5.9	6.31	6.6	6.85	7.15
FR11	4.19	4.59	4.81	5.11	5.66	6.14	6.4	6.65	6.94
MR1	4.28	4.4	4.53	4.74	5.02	5.29	5.68	5.82	6.14
MR2	4.24	4.39	4.51	4.73	5.02	5.33	5.63	5.8	5.9
MR3	4.22	4.39	4.47	4.68	4.95	5.22	5.49	5.68	5.89
MR4	4.39	4.46	4.6	4.78	5.05	5.3	5.57	5.68	5.97
MR5	2.21	2.8	3.11	3.84	5.35	6.19	6.52	6.78	7.04
MR6	6.14	6.32	6.47	6.64	6.9	7.23	7.41	7.51	7.62
LBR1	4.01	4.82	5.14	5.48	5.78	6.09	6.31	6.53	6.67
LBR2	4.48	4.59	4.7	4.92	5.14	5.39	5.56	5.7	6.48
LBR3	2.59	2.7	2.86	3.07	3.35	3.64	3.82	3.9	4.04
BR1	1.62	1.92	2.45	3.37	4.06	4.66	4.94	5.02	5.13
BR2	1.29	1.53	1.74	2.22	2.65	2.96	3.2	3.3	3.46
BR3	1.48	1.75	1.87	2.08	2.34	2.74	3.28	3.41	3.64
SCH1	2.22	2.57	2.68	2.87	3.21	4.03	4.33	4.45	4.61
SCH2	3.74	3.85	3.98	4.1	4.29	4.43	4.55	4.64	4.78
SR	4.68	4.73	4.96	5.3	5.62	5.96	6.1	6.15	6.22
StbR	3.95	4.36	4.69	5.17	5.68	6.13	6.38	6.53	6.72

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing
 Project: Scenario: WASP-1997-Plan6a_3ft

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.01	0.3	-0.01	-0.3	-0.02	-0.5	-0.02	-0.5	-0.04	-0.9	-0.02	-0.4	-0.02	-0.4	-0.06	-1.3	-0.03	-0.6
FR2	-0.17	-4.6	0.31	8.2	0.32	8.3	0.29	7.2	0.25	5.9	0.22	5.0	0.16	3.5	0.15	3.2	-0.13	-2.6
FR3	0.1	2.9	0.05	1.4	0.05	1.4	0.08	2.1	0.03	0.7	0.01	0.2	-0.1	-2.1	0.13	2.6	-0.05	-0.9
FR4	0.1	2.9	0.08	2.2	0.07	1.9	0.05	1.3	0.01	0.2	-0.11	-2.5	-0.2	-4.0	-0.08	-1.5	0.11	2.0
FR5	0.1	2.8	0.03	0.8	-0.03	-0.8	-0.02	-0.5	-0.11	-2.6	-0.51	-10.4	-0.41	-7.6	-0.36	-6.4	-0.31	-5.4
FR6	0.07	1.9	0.08	2.1	0.02	0.5	0	0.0	-0.02	-0.5	-0.31	-6.5	-0.39	-7.0	-0.29	-5.0	-0.28	-4.7
FR7	-0.11	-2.6	-0.07	-1.6	-0.1	-2.3	-0.2	-4.3	-0.37	-7.4	-0.6	-10.0	-0.21	-3.4	-0.15	-2.4	-0.1	-1.5
FR8	-0.19	-4.1	-0.22	-4.6	-0.34	-6.7	-0.48	-8.7	-0.25	-4.1	-0.18	-2.8	-0.21	-3.1	-0.19	-2.8	-0.25	-3.5
FR9	-0.23	-4.7	-0.3	-6.0	-0.41	-7.7	-0.49	-8.6	-0.31	-4.9	-0.17	-2.6	-0.17	-2.5	-0.26	-3.7	-0.18	-2.5
FR10	0.38	8.8	0.26	5.4	0.27	5.5	0.23	4.3	-0.01	-0.2	-0.12	-1.9	-0.08	-1.2	-0.16	-2.3	-0.07	-1.0
FR11	0.02	0.5	-0.11	-2.3	-0.12	-2.4	-0.13	-2.5	-0.01	-0.2	0	0.0	-0.1	-1.5	0.01	0.2	-0.19	-2.7
MR1	-0.13	-2.9	-0.13	-2.9	-0.09	-1.9	-0.15	-3.1	-0.14	-2.7	-0.3	-5.4	-0.21	-3.6	-0.18	-3.0	-0.08	-1.3
MR2	0.21	5.2	0.24	5.8	0.18	4.2	0.11	2.4	-0.05	-1.0	-0.2	-3.6	-0.17	-2.9	-0.1	-1.7	-0.13	-2.2
MR3	0.52	14.1	0.5	12.9	0.47	11.8	0.49	11.7	0.43	9.5	0.15	3.0	-0.22	-3.9	-0.25	-4.2	-0.3	-4.8
MR4	0.5	12.9	0.43	10.7	0.48	11.7	0.39	8.9	0.44	9.5	0.41	8.4	0.51	10.1	0.5	9.7	0.56	10.4
MR5	0.72	48.3	0.76	37.3	0.7	29.0	0.79	25.9	0.38	7.6	-0.04	-0.6	-0.05	-0.8	-0.11	-1.6	-0.07	-1.0
MR6	4.03	191.0	3.83	153.8	3.46	115.0	3.13	89.2	1.29	23.0	0.87	13.7	0.61	9.0	0.45	6.4	0.3	4.1
LBR1	0.44	12.3	0.47	10.8	0.39	8.2	0.35	6.8	0.35	6.4	0.45	8.0	0.34	5.7	0.37	6.0	0.2	3.1
LBR2	0.79	21.4	0.73	18.9	0.73	18.4	0.76	18.3	0.75	17.1	0.79	17.2	0.79	16.6	0.82	16.8	1.22	23.2
LBR3	-0.3	-10.4	-0.58	-17.7	-0.61	-17.6	-0.61	-16.6	-0.6	-15.2	-0.7	-16.1	-0.91	-19.2	-1.09	-21.8	-1.2	-22.9
BR1	-1.66	-50.6	-1.49	-43.7	-1.12	-31.4	-0.37	-9.9	0.09	2.3	0.46	11.0	0.51	11.5	0.49	10.8	0.49	10.6
BR2	-1.26	-49.4	-1.31	-46.1	-1.25	-41.8	-1.02	-31.5	-0.79	-23.0	-0.74	-20.0	-0.64	-16.7	-0.63	-16.0	-0.57	-14.1
BR3	-1.55	-51.2	-1.51	-46.3	-1.57	-45.6	-1.54	-42.5	-1.44	-38.1	-1.21	-30.6	-0.8	-19.6	-0.74	-17.8	-0.61	-14.4
SCH1	-0.17	-7.1	0	0.0	0	0.0	0.04	1.4	0.2	6.6	0.62	18.2	0.56	14.9	0.56	14.4	0.47	11.4
SCH2	0	0.0	-0.06	-1.5	-0.03	-0.7	-0.04	-1.0	-0.04	-0.9	-0.04	-0.9	-0.05	-1.1	-0.04	-0.9	-0.04	-0.8
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	0	0.0	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	0.11	2.9	0.14	3.3	0.12	2.6	0.13	2.6	-0.01	-0.2	-0.07	-1.1	-0.11	-1.7	-0.11	-1.7	-0.12	-1.8

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project scenario: WASP-1997-Plan6a_3ft

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.15	4.21	4.28	4.38	4.49	4.58	4.66	4.73	4.78
FR2	3.97	4.00	4.04	4.28	4.39	4.53	4.64	4.68	4.76
FR3	3.78	3.83	3.89	4.09	4.23	4.38	4.64	4.70	4.80
FR4	3.74	3.77	3.79	4.05	4.14	4.29	4.74	4.99	5.24
FR5	3.79	3.82	3.92	4.11	4.24	4.48	5.07	5.39	5.55
FR6	3.95	3.99	4.05	4.27	4.41	4.76	5.45	5.70	5.84
FR7	4.32	4.42	4.52	4.78	5.41	5.98	6.23	6.36	6.47
FR8	4.64	4.77	4.93	5.28	5.88	6.30	6.51	6.61	6.75
FR9	5.29	5.54	5.73	6.02	6.42	6.68	6.94	7.14	7.25
FR10	5.46	5.76	5.90	6.15	6.48	6.73	7.09	7.19	7.29
FR11	4.54	4.75	4.91	5.18	5.49	5.76	5.99	6.12	6.30
MR1	4.34	4.48	4.59	4.78	5.02	5.30	5.60	5.76	5.87
MR2	4.28	4.43	4.58	4.79	5.02	5.26	5.57	5.74	5.86
MR3	4.32	4.43	4.54	4.74	4.97	5.20	5.35	5.41	5.57
MR4	4.75	4.90	5.02	5.21	5.51	5.74	5.95	6.14	6.29
MR5	3.26	3.52	3.90	4.36	5.60	6.18	6.49	6.75	6.95
MR6	2.96	3.23	3.43	3.70	4.21	4.68	4.89	5.04	5.14
LBR1	4.61	4.93	5.00	5.25	5.49	5.71	5.94	6.07	6.17
LBR2	4.32	4.42	4.51	4.70	4.94	5.15	5.31	5.40	5.52
LBR3	3.35	3.46	3.58	3.74	3.96	4.18	4.37	4.43	4.57
BR1	2.42	3.07	3.49	4.00	4.28	4.50	4.67	4.71	4.84
BR2	1.71	1.99	2.16	2.55	3.12	3.63	3.94	4.09	4.31
BR3	2.11	2.22	2.35	2.51	2.64	2.80	2.95	3.04	3.10
SCh1	3.38	3.52	3.60	3.74	3.83	3.93	4.01	4.06	4.16
SCh2	3.94	4.02	4.08	4.25	4.36	4.47	4.57	4.62	4.69
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.41	6.47
StbR	4.81	4.94	5.09	5.37	5.71	5.93	6.12	6.19	6.35

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-Plan6a_3ft

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.02	0.01	0.02	0.00	-0.01	-0.02	-0.06	-0.07	-0.06	0.6	0.3	0.5	0.1	-0.2	-0.4	-1.3	-1.4	-1.3
FR2	0.03	0.01	0.00	0.02	0.02	-0.01	-0.01	-0.01	0.00	0.7	0.2	0.1	0.5	0.4	-0.2	-0.2	-0.2	0.1
FR3	0.08	0.06	0.06	0.06	0.04	0.00	-0.07	-0.08	-0.19	2.2	1.6	1.6	1.5	0.9	-0.1	-1.5	-1.7	-3.9
FR4	0.08	0.06	0.05	0.07	0.02	-0.08	-0.19	-0.32	-0.31	2.1	1.7	1.3	1.7	0.5	-1.9	-3.9	-6.0	-5.6
FR5	0.11	0.06	0.04	0.04	-0.03	-0.28	-0.34	-0.26	-0.25	3.0	1.5	1.0	0.9	-0.7	-5.9	-6.2	-4.6	-4.3
FR6	-0.01	-0.02	-0.06	-0.05	-0.14	-0.43	-0.32	-0.22	-0.20	-0.2	-0.4	-1.5	-1.1	-3.1	-8.3	-5.6	-3.7	-3.3
FR7	-0.12	-0.13	-0.17	-0.31	-0.44	-0.21	-0.19	-0.20	-0.23	-2.7	-2.9	-3.6	-6.2	-7.6	-3.3	-2.9	-3.1	-3.4
FR8	-0.22	-0.28	-0.36	-0.38	-0.28	-0.13	-0.16	-0.19	-0.23	-4.4	-5.6	-6.8	-6.8	-4.5	-2.1	-2.4	-2.9	-3.3
FR9	-0.37	-0.36	-0.29	-0.24	-0.12	-0.13	-0.13	-0.09	-0.09	-6.6	-6.1	-4.8	-3.8	-1.8	-1.9	-1.9	-1.2	-1.2
FR10	-0.25	-0.09	-0.11	-0.15	-0.09	-0.08	-0.07	-0.05	-0.04	-4.4	-1.5	-1.9	-2.4	-1.3	-1.2	-1.0	-0.7	-0.5
FR11	-0.33	-0.35	-0.36	-0.41	-0.39	-0.41	-0.46	-0.43	-0.38	-6.9	-6.9	-6.9	-7.3	-6.6	-6.7	-7.1	-6.6	-5.7
MR1	-0.14	-0.11	-0.11	-0.11	-0.15	-0.24	-0.24	-0.21	-0.17	-3.0	-2.3	-2.4	-2.2	-3.0	-4.4	-4.1	-3.6	-2.9
MR2	0.09	0.12	0.07	0.00	-0.11	-0.24	-0.23	-0.17	-0.17	2.1	2.7	1.6	0.1	-2.0	-4.3	-4.0	-2.8	-2.9
MR3	0.47	0.39	0.44	0.36	0.24	-0.02	-0.24	-0.31	-0.28	12.1	9.7	10.7	8.1	5.0	-0.4	-4.2	-5.4	-4.7
MR4	0.36	0.40	0.40	0.43	0.45	0.50	0.51	0.60	0.59	8.2	8.8	8.7	9.0	9.0	9.4	9.4	10.8	10.4
MR5	0.95	0.97	0.93	0.89	0.26	0.02	-0.03	-0.07	-0.06	41.1	37.9	31.5	25.8	4.9	0.3	-0.5	-1.0	-0.8
MR6	0.81	0.70	0.38	0.12	-1.48	-1.65	-1.92	-1.90	-2.14	37.9	27.5	12.3	3.4	-26.0	-26.1	-28.2	-27.4	-29.4
LBR1	0.32	0.44	0.41	0.45	0.50	0.52	0.65	0.62	0.60	7.3	9.8	8.9	9.4	10.0	9.9	12.2	11.4	10.7
LBR2	0.62	0.61	0.55	0.57	0.59	0.59	0.60	0.63	0.63	16.7	16.1	13.9	13.8	13.5	13.0	12.7	13.2	12.9
LBR3	-0.19	-0.12	-0.08	-0.04	0.01	0.07	0.13	0.08	0.11	-5.3	-3.2	-2.1	-1.1	0.2	1.7	2.9	1.8	2.4
BR1	-1.10	-0.51	-0.15	0.10	0.24	0.29	0.24	0.21	0.24	-31.3	-14.3	-4.1	2.6	6.0	6.8	5.4	4.6	5.3
BR2	-1.59	-1.39	-1.30	-1.07	-0.69	-0.36	-0.20	-0.20	-0.08	-48.3	-41.2	-37.7	-29.5	-18.1	-8.9	-4.8	-4.7	-1.8
BR3	-1.35	-1.28	-1.21	-1.12	-1.10	-1.05	-1.02	-0.96	-0.92	-39.1	-36.6	-33.9	-30.9	-29.5	-27.2	-25.7	-23.9	-22.8
SCh1	-0.12	-0.04	-0.02	0.02	0.00	-0.02	-0.03	-0.03	-0.01	-3.5	-1.2	-0.7	0.4	0.0	-0.6	-0.7	-0.8	-0.2
SCh2	0.00	-0.02	-0.01	0.00	-0.02	-0.02	-0.04	-0.03	-0.04	-0.1	-0.5	-0.3	-0.1	-0.4	-0.4	-0.8	-0.6	-0.8
SR	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.07	0.02	0.00	-0.07	-0.09	-0.16	-0.18	-0.23	-0.21	1.5	0.3	0.0	-1.2	-1.5	-2.5	-2.8	-3.6	-3.2

45 ft Channel Depth

Mitigation Plan 6a

D.O. Mitigation

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: 6A3ft-withDOmitigation

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.99	4.04	4.08	4.28	4.42	4.61	4.74	4.79	4.86
FR2	3.85	3.95	4.02	4.28	4.46	4.63	4.93	4.98	5.03
FR3	3.72	3.78	3.84	4.14	4.31	4.6	5.11	5.62	5.99
FR4	3.74	3.78	3.84	4.16	4.32	4.6	5.15	5.62	6.05
FR5	3.88	3.91	4.02	4.27	4.43	4.71	5.44	5.73	5.93
FR6	3.92	4.01	4.1	4.36	4.51	4.82	5.61	5.94	6.12
FR7	4.27	4.39	4.47	4.72	5	5.87	6.6	6.82	6.92
FR8	4.77	4.88	5.07	5.43	6.54	7.4	7.99	8.18	8.48
FR9	5.8	6.29	6.41	6.72	7.08	7.52	7.95	8.32	8.94
FR10	4.69	5.04	5.22	5.55	5.9	6.31	6.6	6.85	7.15
FR11	4.19	4.59	4.81	5.11	5.66	6.14	6.4	6.65	6.94
MR1	4.55	4.73	4.82	5.04	5.32	5.68	6.1	6.28	6.36
MR2	4.39	4.53	4.65	4.89	5.22	5.65	5.95	6.23	6.36
MR3	4.32	4.44	4.57	4.73	5.06	5.36	5.61	5.79	6.01
MR4	4.47	4.6	4.67	4.85	5.14	5.36	5.58	5.68	5.97
MR5	2.21	2.8	3.11	3.84	5.35	6.19	6.52	6.78	7.04
MR6	6.14	6.32	6.47	6.64	6.9	7.23	7.41	7.51	7.62
LBR1	4.01	4.82	5.14	5.49	5.79	6.09	6.31	6.53	6.67
LBR2	4.48	4.59	4.7	4.92	5.14	5.38	5.56	5.7	6.48
LBR3	2.61	2.7	2.86	3.07	3.34	3.65	3.82	3.9	4.04
BR1	3.77	4.45	4.72	4.91	5.06	5.26	5.47	5.61	5.73
BR2	2.44	2.64	2.85	3.28	4.44	5.16	5.37	5.49	5.66
BR3	2.32	2.41	2.47	2.58	2.78	3.02	3.4	3.66	3.97
SCH1	2.34	2.68	2.78	2.98	3.28	4.09	4.39	4.49	4.64
SCH2	3.89	4.02	4.14	4.27	4.45	4.6	4.7	4.78	4.93
SR	4.68	4.73	4.96	5.3	5.62	5.96	6.1	6.15	6.22
StbR	4.21	4.74	5.11	5.7	6.39	6.95	7.37	7.59	7.89

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: 6A3ft-withDomitigation

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.07	1.8	0.05	1.3	0.03	0.7	0.06	1.4	0.04	0.9	0.09	2.0	0.11	2.4	0.09	1.9	0.12	2.5
FR2	0.19	5.2	0.19	5.1	0.18	4.7	0.25	6.2	0.24	5.7	0.23	5.2	0.31	6.7	0.29	6.2	-0.05	-1.0
FR3	0.23	6.6	0.19	5.3	0.2	5.5	0.27	7.0	0.26	6.4	0.31	7.2	0.33	6.9	0.55	10.8	0.39	7.0
FR4	0.24	6.9	0.22	6.2	0.22	6.1	0.24	6.1	0.25	6.1	0.2	4.5	0.19	3.8	0.31	5.8	0.55	10.0
FR5	0.26	7.2	0.17	4.5	0.13	3.3	0.19	4.7	0.12	2.8	-0.18	-3.7	0.02	0.4	0.1	1.8	0.15	2.6
FR6	0.23	6.2	0.25	6.6	0.21	5.4	0.24	5.8	0.25	5.9	0.04	0.8	0.04	0.7	0.17	2.9	0.21	3.6
FR7	0.1	2.4	0.14	3.3	0.14	3.2	0.11	2.4	-0.03	-0.6	-0.11	-1.8	0.34	5.4	0.46	7.2	0.43	6.6
FR8	0.11	2.4	0.1	2.1	0.01	0.2	-0.08	-1.5	0.42	6.9	0.96	14.9	1.27	18.9	1.33	19.4	1.37	19.3
FR9	0.92	18.9	1.26	25.0	1.08	20.3	1	17.5	0.8	12.7	0.92	13.9	1.1	16.1	1.3	18.5	1.75	24.3
FR10	0.38	8.8	0.26	5.4	0.27	5.5	0.23	4.3	-0.01	-0.2	-0.12	-1.9	-0.08	-1.2	-0.16	-2.3	-0.07	-1.0
FR11	0.02	0.5	-0.11	-2.3	-0.12	-2.4	-0.13	-2.5	-0.01	-0.2	0	0.0	-0.1	-1.5	0.01	0.2	-0.19	-2.7
MR1	0.14	3.2	0.2	4.4	0.2	4.3	0.15	3.1	0.16	3.1	0.09	1.6	0.21	3.6	0.28	4.7	0.14	2.3
MR2	0.36	8.9	0.38	9.2	0.32	7.4	0.27	5.8	0.15	3.0	0.12	2.2	0.15	2.6	0.33	5.6	0.33	5.5
MR3	0.62	16.8	0.55	14.1	0.57	14.3	0.54	12.9	0.54	11.9	0.29	5.7	-0.1	-1.8	-0.14	-2.4	-0.18	-2.9
MR4	0.58	14.9	0.57	14.1	0.55	13.3	0.46	10.5	0.53	11.5	0.47	9.6	0.52	10.3	0.5	9.7	0.56	10.4
MR5	0.72	48.3	0.76	37.3	0.7	29.0	0.79	25.9	0.38	7.6	-0.04	-0.6	-0.05	-0.8	-0.11	-1.6	-0.07	-1.0
MR6	4.03	191.0	3.83	153.8	3.46	115.0	3.13	89.2	1.29	23.0	0.87	13.7	0.61	9.0	0.45	6.4	0.3	4.1
LBR1	0.44	12.3	0.47	10.8	0.39	8.2	0.36	7.0	0.36	6.6	0.45	8.0	0.34	5.7	0.37	6.0	0.2	3.1
LBR2	0.79	21.4	0.73	18.9	0.73	18.4	0.76	18.3	0.75	17.1	0.78	17.0	0.79	16.6	0.82	16.8	1.22	23.2
LBR3	-0.28	-9.7	-0.58	-17.7	-0.61	-17.6	-0.61	-16.6	-0.61	-15.4	-0.69	-15.9	-0.91	-19.2	-1.09	-21.8	-1.2	-22.9
BR1	0.49	14.9	1.04	30.5	1.15	32.2	1.17	31.3	1.09	27.5	1.06	25.2	1.04	23.5	1.08	23.8	1.09	23.5
BR2	-0.11	-4.3	-0.2	-7.0	-0.14	-4.7	0.04	1.2	1	29.1	1.46	39.5	1.53	39.8	1.56	39.7	1.63	40.4
BR3	-0.71	-23.4	-0.85	-26.1	-0.97	-28.2	-1.04	-28.7	-1	-26.5	-0.93	-23.5	-0.68	-16.7	-0.49	-11.8	-0.28	-6.6
SCH1	-0.05	-2.1	0.11	4.3	0.1	3.7	0.15	5.3	0.27	9.0	0.68	19.9	0.62	16.4	0.6	15.4	0.5	12.1
SCH2	0.15	4.0	0.11	2.8	0.13	3.2	0.13	3.1	0.12	2.8	0.13	2.9	0.1	2.2	0.1	2.1	0.11	2.3
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	0	0.0	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	0.37	9.6	0.52	12.3	0.54	11.8	0.66	13.1	0.7	12.3	0.75	12.1	0.88	13.6	0.95	14.3	1.05	15.4

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: 6A3ft-withDOmitigation

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.19	4.24	4.31	4.42	4.53	4.63	4.70	4.75	4.80
FR2	4.07	4.09	4.13	4.42	4.54	4.72	4.86	4.93	4.99
FR3	3.90	3.97	4.02	4.29	4.44	4.61	5.01	5.06	5.17
FR4	3.87	3.92	3.95	4.25	4.39	4.58	5.15	5.41	5.69
FR5	3.94	3.98	4.10	4.34	4.50	4.82	5.53	5.84	6.03
FR6	4.14	4.19	4.26	4.53	4.72	5.16	5.92	6.20	6.34
FR7	4.58	4.69	4.85	5.13	5.90	6.51	6.89	7.00	7.08
FR8	4.98	5.15	5.31	5.72	6.61	7.30	7.83	7.94	8.14
FR9	6.29	6.54	6.68	6.96	7.20	7.47	7.73	7.92	8.03
FR10	5.46	5.76	5.91	6.17	6.52	6.79	7.11	7.23	7.43
FR11	4.54	4.75	4.91	5.18	5.49	5.76	5.99	6.12	6.30
MR1	4.61	4.75	4.87	5.10	5.34	5.65	6.05	6.24	6.34
MR2	4.44	4.61	4.74	5.01	5.29	5.61	5.94	6.22	6.32
MR3	4.41	4.52	4.64	4.82	5.09	5.36	5.54	5.68	5.84
MR4	4.79	4.92	5.03	5.23	5.52	5.75	5.96	6.14	6.29
MR5	3.26	3.52	3.90	4.36	5.60	6.18	6.49	6.75	6.95
MR6	2.96	3.23	3.43	3.70	4.21	4.68	4.89	5.04	5.14
LBR1	4.61	4.93	5.00	5.25	5.49	5.71	5.94	6.07	6.17
LBR2	4.32	4.42	4.51	4.70	4.94	5.15	5.31	5.40	5.53
LBR3	3.35	3.46	3.58	3.74	3.96	4.18	4.37	4.43	4.57
BR1	4.48	4.71	4.84	5.05	5.35	5.67	5.81	5.95	6.03
BR2	2.94	3.48	3.79	4.34	5.10	5.38	5.60	5.71	5.79
BR3	2.74	2.81	2.87	2.99	3.20	3.47	3.72	3.89	4.06
SCh1	3.49	3.60	3.70	3.85	3.94	4.02	4.09	4.14	4.22
SCh2	4.08	4.16	4.20	4.39	4.52	4.63	4.72	4.77	4.84
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.41	6.47
StbR	5.10	5.36	5.53	5.87	6.31	6.64	6.90	7.02	7.21

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: 6A3ft-withDOMitigation

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.06	0.04	0.04	0.04	0.03	0.03	-0.03	-0.05	-0.04	1.4	1.0	1.1	1.0	0.8	0.7	-0.6	-1.0	-0.9
FR2	0.13	0.10	0.10	0.16	0.17	0.19	0.21	0.25	0.23	3.2	2.5	2.4	3.8	3.9	4.1	4.5	5.3	4.9
FR3	0.21	0.20	0.19	0.26	0.25	0.23	0.29	0.27	0.18	5.6	5.3	4.9	6.5	5.9	5.2	6.2	5.7	3.6
FR4	0.22	0.21	0.20	0.27	0.27	0.20	0.22	0.11	0.15	5.9	5.7	5.3	6.6	6.5	4.7	4.5	2.0	2.6
FR5	0.26	0.22	0.22	0.26	0.22	0.06	0.11	0.20	0.24	7.0	5.8	5.6	6.3	5.2	1.2	2.1	3.5	4.1
FR6	0.18	0.17	0.14	0.21	0.17	-0.03	0.15	0.27	0.30	4.5	4.3	3.5	4.8	3.7	-0.7	2.5	4.6	4.9
FR7	0.14	0.14	0.16	0.04	0.05	0.32	0.48	0.44	0.38	3.1	3.1	3.4	0.9	0.8	5.2	7.4	6.7	5.6
FR8	0.12	0.09	0.02	0.06	0.46	0.87	1.15	1.13	1.17	2.5	1.9	0.4	1.0	7.5	13.5	17.2	16.6	16.7
FR9	0.62	0.64	0.66	0.70	0.67	0.66	0.66	0.69	0.70	10.9	10.9	11.0	11.1	10.2	9.8	9.4	9.6	9.5
FR10	-0.25	-0.09	-0.11	-0.13	-0.05	-0.02	-0.05	-0.01	0.11	-4.4	-1.5	-1.8	-2.0	-0.7	-0.3	-0.7	-0.1	1.5
FR11	-0.33	-0.35	-0.36	-0.41	-0.39	-0.41	-0.46	-0.43	-0.38	-6.9	-6.9	-6.9	-7.3	-6.6	-6.7	-7.1	-6.6	-5.7
MR1	0.13	0.17	0.17	0.20	0.17	0.11	0.20	0.28	0.30	2.9	3.7	3.6	4.2	3.2	2.0	3.5	4.6	5.0
MR2	0.24	0.30	0.23	0.23	0.16	0.12	0.14	0.31	0.29	5.7	6.9	5.1	4.7	3.1	2.2	2.4	5.3	4.9
MR3	0.56	0.48	0.53	0.44	0.36	0.13	-0.05	-0.04	-0.01	14.5	11.9	12.9	10.0	7.5	2.6	-0.9	-0.7	-0.1
MR4	0.40	0.42	0.41	0.45	0.47	0.51	0.52	0.60	0.60	9.1	9.3	8.9	9.4	9.2	9.7	9.5	10.9	10.4
MR5	0.95	0.97	0.93	0.90	0.26	0.02	-0.03	-0.07	-0.06	41.1	37.9	31.5	25.8	4.9	0.3	-0.5	-1.0	-0.8
MR6	0.81	0.70	0.38	0.12	-1.48	-1.65	-1.92	-1.90	-2.14	37.9	27.5	12.3	3.4	-26.0	-26.1	-28.2	-27.4	-29.4
LBR1	0.32	0.44	0.41	0.45	0.50	0.52	0.65	0.62	0.60	7.3	9.8	8.9	9.4	10.0	9.9	12.2	11.4	10.7
LBR2	0.62	0.61	0.55	0.57	0.59	0.59	0.60	0.63	0.63	16.7	16.1	13.9	13.8	13.5	13.0	12.7	13.2	12.9
LBR3	-0.19	-0.12	-0.08	-0.05	0.01	0.07	0.13	0.08	0.11	-5.3	-3.2	-2.1	-1.2	0.3	1.7	2.9	1.8	2.4
BR1	0.96	1.12	1.20	1.15	1.31	1.46	1.38	1.45	1.43	27.1	31.3	32.9	29.5	32.5	34.6	31.2	32.2	31.2
BR2	-0.36	0.10	0.33	0.73	1.28	1.39	1.46	1.42	1.41	-10.9	2.9	9.5	20.0	33.6	34.9	35.2	33.0	32.1
BR3	-0.72	-0.70	-0.69	-0.64	-0.54	-0.38	-0.25	-0.10	0.05	-20.7	-19.9	-19.3	-17.6	-14.4	-9.8	-6.2	-2.6	1.2
SCh1	-0.02	0.05	0.07	0.12	0.12	0.07	0.05	0.04	0.06	-0.5	1.3	2.0	3.3	3.1	1.7	1.3	1.0	1.4
SCh2	0.14	0.12	0.11	0.14	0.14	0.14	0.11	0.12	0.11	3.6	3.0	2.8	3.2	3.2	3.0	2.4	2.5	2.3
SR	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.35	0.43	0.44	0.43	0.52	0.55	0.61	0.59	0.65	7.4	8.7	8.7	7.9	8.9	9.0	9.6	9.2	9.9

44 ft Channel Depth

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-2ftonly

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.95	4.02	4.06	4.2	4.36	4.49	4.59	4.66	4.74
FR2	3.64	3.76	3.84	4.01	4.17	4.36	4.54	4.6	4.69
FR3	3.5	3.58	3.63	3.84	3.98	4.18	4.64	4.93	5.51
FR4	3.49	3.57	3.64	3.86	4.02	4.23	4.75	4.98	5.52
FR5	3.66	3.76	3.88	4.03	4.26	4.61	5.21	5.44	5.64
FR6	3.7	3.77	3.88	4.04	4.17	4.5	5.26	5.53	5.7
FR7	4.1	4.19	4.26	4.47	4.76	5.64	6.12	6.31	6.44
FR8	4.53	4.64	4.81	5.22	6.02	6.38	6.61	6.75	7.05
FR9	4.73	4.84	5.1	5.44	6.09	6.53	6.8	6.9	7.11
FR10	4.34	4.78	4.96	5.32	5.91	6.43	6.69	7.02	7.22
FR11	4.18	4.68	4.93	5.26	5.66	6.14	6.5	6.66	7.15
MR1	4.34	4.42	4.55	4.76	5.04	5.4	5.71	5.85	6.18
MR2	4	4.13	4.28	4.59	5.01	5.41	5.68	5.8	5.97
MR3	3.75	3.89	3.98	4.17	4.48	4.98	5.68	5.88	6.23
MR4	4.03	4.18	4.3	4.47	4.74	4.99	5.15	5.28	5.47
MR5	1.48	2.04	2.43	3.07	4.92	6.23	6.57	6.9	7.11
MR6	2.09	2.52	3.01	3.55	5.61	6.36	6.8	7.06	7.32
LBR1	3.61	4.36	4.77	5.16	5.43	5.67	5.99	6.15	6.48
LBR2	3.62	3.86	3.96	4.18	4.41	4.6	4.8	4.97	5.88
LBR3	3.03	3.34	3.48	3.75	4.03	4.44	4.82	5.02	5.29
BR1	3.28	3.41	3.57	3.73	3.95	4.18	4.4	4.48	4.62
BR2	2.57	2.81	3	3.22	3.44	3.7	3.86	3.93	4.03
BR3	3.02	3.27	3.45	3.61	3.78	3.93	4.06	4.13	4.27
SCH1	2.4	2.55	2.72	2.85	3.02	3.4	3.74	3.89	4.09
SCH2	3.77	3.89	3.99	4.1	4.3	4.43	4.56	4.62	4.76
SR	4.69	4.74	4.97	5.31	5.62	5.97	6.11	6.16	6.23
StbR	3.64	4.17	4.56	5.03	5.73	6.17	6.45	6.63	6.88

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: WASP-1997-2ftonly

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.03	0.8	0.03	0.8	0.01	0.2	-0.02	-0.5	-0.02	-0.5	-0.03	-0.7	-0.04	-0.9	-0.04	-0.9	0	0.0
FR2	-0.02	-0.5	0	0.0	0	0.0	-0.02	-0.5	-0.05	-1.2	-0.04	-0.9	-0.08	-1.7	-0.09	-1.9	-0.39	-7.7
FR3	0.01	0.3	-0.01	-0.3	-0.01	-0.3	-0.03	-0.8	-0.07	-1.7	-0.11	-2.6	-0.14	-2.9	-0.14	-2.8	-0.09	-1.6
FR4	-0.01	-0.3	0.01	0.3	0.02	0.6	-0.06	-1.5	-0.05	-1.2	-0.17	-3.9	-0.21	-4.2	-0.33	-6.2	0.02	0.4
FR5	0.04	1.1	0.02	0.5	-0.01	-0.3	-0.05	-1.2	-0.05	-1.2	-0.28	-5.7	-0.21	-3.9	-0.19	-3.4	-0.14	-2.4
FR6	0.01	0.3	0.01	0.3	-0.01	-0.3	-0.08	-1.9	-0.09	-2.1	-0.28	-5.9	-0.31	-5.6	-0.24	-4.2	-0.21	-3.6
FR7	-0.07	-1.7	-0.06	-1.4	-0.07	-1.6	-0.14	-3.0	-0.27	-5.4	-0.34	-5.7	-0.14	-2.2	-0.05	-0.8	-0.05	-0.8
FR8	-0.13	-2.8	-0.14	-2.9	-0.25	-4.9	-0.29	-5.3	-0.1	-1.6	-0.06	-0.9	-0.11	-1.6	-0.1	-1.5	-0.06	-0.8
FR9	-0.15	-3.1	-0.19	-3.8	-0.23	-4.3	-0.28	-4.9	-0.19	-3.0	-0.07	-1.1	-0.05	-0.7	-0.12	-1.7	-0.08	-1.1
FR10	0.03	0.7	0	0.0	0.01	0.2	0	0.0	0	0.0	0	0.0	0.01	0.1	0.01	0.1	0	0.0
FR11	0.01	0.2	-0.02	-0.4	0	0.0	0.02	0.4	-0.01	-0.2	0	0.0	0	0.0	0.02	0.3	0.02	0.3
MR1	-0.07	-1.6	-0.11	-2.4	-0.07	-1.5	-0.13	-2.7	-0.12	-2.3	-0.19	-3.4	-0.18	-3.1	-0.15	-2.5	-0.04	-0.6
MR2	-0.03	-0.7	-0.02	-0.5	-0.05	-1.2	-0.03	-0.6	-0.06	-1.2	-0.12	-2.2	-0.12	-2.1	-0.1	-1.7	-0.06	-1.0
MR3	0.05	1.4	0	0.0	-0.02	-0.5	-0.02	-0.5	-0.04	-0.9	-0.09	-1.8	-0.03	-0.5	-0.05	-0.8	0.04	0.6
MR4	0.14	3.6	0.15	3.7	0.18	4.4	0.08	1.8	0.13	2.8	0.1	2.0	0.09	1.8	0.1	1.9	0.06	1.1
MR5	-0.01	-0.7	0	0.0	0.02	0.8	0.02	0.7	-0.05	-1.0	0	0.0	0	0.0	0.01	0.1	0	0.0
MR6	-0.02	-0.9	0.03	1.2	0	0.0	0.04	1.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LBR1	0.04	1.1	0.01	0.2	0.02	0.4	0.03	0.6	0	0.0	0.03	0.5	0.02	0.3	-0.01	-0.2	0.01	0.2
LBR2	-0.07	-1.9	0	0.0	-0.01	-0.3	0.02	0.5	0.02	0.5	0	0.0	0.03	0.6	0.09	1.8	0.62	11.8
LBR3	0.14	4.8	0.06	1.8	0.01	0.3	0.07	1.9	0.08	2.0	0.1	2.3	0.09	1.9	0.03	0.6	0.05	1.0
BR1	0	0.0	0	0.0	0	0.0	-0.01	-0.3	-0.02	-0.5	-0.02	-0.5	-0.03	-0.7	-0.05	-1.1	-0.02	-0.4
BR2	0.02	0.8	-0.03	-1.1	0.01	0.3	-0.02	-0.6	0	0.0	0	0.0	0.02	0.5	0	0.0	0	0.0
BR3	-0.01	-0.3	0.01	0.3	0.01	0.3	-0.01	-0.3	0	0.0	-0.02	-0.5	-0.02	-0.5	-0.02	-0.5	0.02	0.5
SCH1	0.01	0.4	-0.02	-0.8	0.04	1.5	0.02	0.7	0.01	0.3	-0.01	-0.3	-0.03	-0.8	0	0.0	-0.05	-1.2
SCH2	0.03	0.8	-0.02	-0.5	-0.02	-0.5	-0.04	-1.0	-0.03	-0.7	-0.04	-0.9	-0.04	-0.9	-0.06	-1.3	-0.06	-1.2
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
StbR	-0.2	-5.2	-0.05	-1.2	-0.01	-0.2	-0.01	-0.2	0.04	0.7	-0.03	-0.5	-0.04	-0.6	-0.01	-0.2	0.04	0.6

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: WASP-1997-2ftonly

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.14	4.22	4.27	4.36	4.48	4.57	4.68	4.76	4.84
FR2	3.96	4.01	4.04	4.23	4.35	4.50	4.60	4.64	4.70
FR3	3.71	3.77	3.85	4.00	4.15	4.32	4.59	4.67	4.74
FR4	3.65	3.71	3.75	3.93	4.06	4.22	4.73	5.05	5.26
FR5	3.70	3.77	3.86	4.03	4.17	4.52	5.13	5.43	5.61
FR6	3.95	3.98	4.06	4.24	4.39	4.88	5.56	5.76	5.89
FR7	4.36	4.45	4.57	4.84	5.63	6.08	6.32	6.45	6.59
FR8	4.72	4.88	5.04	5.42	6.00	6.36	6.60	6.71	6.89
FR9	5.46	5.74	5.90	6.16	6.48	6.75	7.02	7.19	7.32
FR10	5.70	5.85	6.01	6.30	6.56	6.81	7.17	7.22	7.32
FR11	4.87	5.10	5.27	5.59	5.89	6.18	6.45	6.56	6.68
MR1	4.39	4.49	4.60	4.80	5.05	5.41	5.64	5.80	5.91
MR2	4.17	4.31	4.47	4.71	5.04	5.38	5.66	5.77	5.89
MR3	3.89	4.03	4.11	4.37	4.70	5.15	5.53	5.64	5.77
MR4	4.41	4.52	4.62	4.79	5.06	5.25	5.44	5.57	5.71
MR5	2.30	2.56	3.00	3.49	5.30	6.16	6.53	6.83	7.02
MR6	2.13	2.55	3.09	3.60	5.71	6.33	6.80	6.94	7.28
LBR1	4.30	4.51	4.59	4.82	5.01	5.20	5.31	5.46	5.56
LBR2	3.70	3.80	3.96	4.14	4.36	4.55	4.73	4.78	4.93
LBR3	3.57	3.63	3.69	3.82	3.99	4.15	4.30	4.41	4.49
BR1	3.53	3.58	3.64	3.88	4.02	4.18	4.39	4.46	4.55
BR2	3.30	3.38	3.45	3.61	3.80	3.96	4.12	4.27	4.36
BR3	3.44	3.50	3.54	3.62	3.74	3.87	3.96	3.99	4.01
SCh1	3.47	3.55	3.61	3.71	3.82	3.94	4.02	4.09	4.17
SCh2	3.97	4.04	4.09	4.22	4.35	4.46	4.55	4.60	4.69
SR	4.90	4.96	5.18	5.52	5.84	6.17	6.35	6.41	6.48
StbR	4.69	4.84	5.01	5.36	5.68	6.00	6.21	6.30	6.45

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-2ftonly

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.01	0.03	0.00	-0.01	-0.02	-0.02	-0.05	-0.03	0.00	0.2	0.6	0.1	-0.2	-0.3	-0.4	-1.0	-0.7	-0.1
FR2	0.02	0.01	0.01	-0.02	-0.03	-0.04	-0.05	-0.04	-0.06	0.5	0.3	0.2	-0.6	-0.6	-0.9	-1.1	-0.9	-1.2
FR3	0.01	0.00	0.02	-0.03	-0.04	-0.06	-0.12	-0.12	-0.25	0.3	-0.1	0.4	-0.6	-1.0	-1.3	-2.5	-2.5	-5.1
FR4	0.00	0.00	0.00	-0.05	-0.06	-0.15	-0.21	-0.26	-0.29	-0.1	0.0	0.1	-1.3	-1.5	-3.4	-4.2	-4.9	-5.2
FR5	0.02	0.01	-0.02	-0.05	-0.10	-0.25	-0.28	-0.21	-0.18	0.5	0.2	-0.6	-1.3	-2.3	-5.2	-5.2	-3.8	-3.2
FR6	-0.01	-0.03	-0.05	-0.08	-0.15	-0.32	-0.22	-0.16	-0.15	-0.4	-0.7	-1.2	-1.9	-3.3	-6.2	-3.7	-2.7	-2.5
FR7	-0.08	-0.10	-0.12	-0.25	-0.23	-0.10	-0.09	-0.11	-0.11	-1.8	-2.2	-2.5	-4.8	-3.9	-1.6	-1.4	-1.7	-1.7
FR8	-0.14	-0.18	-0.24	-0.24	-0.15	-0.07	-0.08	-0.09	-0.09	-2.8	-3.5	-4.6	-4.2	-2.5	-1.1	-1.2	-1.3	-1.3
FR9	-0.21	-0.17	-0.12	-0.10	-0.05	-0.06	-0.05	-0.03	-0.02	-3.7	-2.8	-1.9	-1.7	-0.8	-0.9	-0.7	-0.5	-0.2
FR10	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	-0.2	0.0	0.0	0.0	-0.1	0.0	0.1	-0.2	0.0
FR11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
MR1	-0.09	-0.09	-0.10	-0.09	-0.13	-0.13	-0.20	-0.17	-0.13	-2.0	-2.1	-2.0	-1.8	-2.5	-2.3	-3.5	-2.8	-2.1
MR2	-0.03	0.00	-0.04	-0.08	-0.09	-0.12	-0.14	-0.14	-0.14	-0.6	0.0	-1.0	-1.7	-1.8	-2.1	-2.4	-2.4	-2.4
MR3	0.03	-0.01	0.00	-0.01	-0.04	-0.07	-0.06	-0.08	-0.08	0.8	-0.2	0.1	-0.2	-0.8	-1.3	-1.1	-1.5	-1.4
MR4	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.01	0.4	0.2	0.2	0.1	0.1	0.1	0.0	0.5	0.2
MR5	-0.01	0.00	0.03	0.02	-0.04	0.00	0.00	0.00	0.01	-0.4	0.0	1.0	0.7	-0.7	-0.1	0.1	0.1	0.1
MR6	-0.01	0.01	0.04	0.02	0.02	0.00	0.00	-0.01	0.01	-0.6	0.5	1.1	0.4	0.4	0.0	0.0	-0.1	0.1
LBR1	0.01	0.01	0.00	0.02	0.02	0.01	0.01	0.02	0.00	0.2	0.2	0.1	0.4	0.4	0.2	0.2	0.3	-0.1
LBR2	0.00	-0.01	0.00	0.01	0.01	0.00	0.02	0.01	0.03	0.0	-0.2	-0.1	0.2	0.2	-0.1	0.3	0.2	0.7
LBR3	0.03	0.05	0.04	0.03	0.04	0.04	0.06	0.06	0.03	0.9	1.5	1.1	0.9	1.0	1.1	1.4	1.4	0.6
BR1	0.00	0.00	0.00	-0.02	-0.02	-0.03	-0.04	-0.04	-0.05	0.1	-0.1	0.0	-0.4	-0.5	-0.8	-0.8	-0.9	-1.0
BR2	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.03	-0.02	-0.02	-0.1	0.0	-0.3	-0.2	-0.4	-0.6	-0.6	-0.5	-0.5
BR3	-0.02	-0.01	-0.01	0.00	0.00	0.02	-0.01	-0.01	0.00	-0.4	-0.3	-0.4	-0.1	-0.1	0.5	-0.2	-0.1	-0.1
SCh1	-0.04	-0.01	-0.02	-0.01	-0.01	-0.02	-0.01	-0.01	0.01	-1.1	-0.3	-0.4	-0.3	-0.2	-0.4	-0.3	-0.2	0.2
SCh2	0.03	0.00	0.00	-0.03	-0.02	-0.03	-0.05	-0.04	-0.04	0.7	-0.1	0.1	-0.7	-0.5	-0.7	-1.2	-0.9	-0.9
SR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
StbR	-0.06	-0.09	-0.08	-0.08	-0.11	-0.09	-0.09	-0.13	-0.11	-1.2	-1.8	-1.6	-1.5	-1.8	-1.5	-1.4	-1.9	-1.7

44 ft Channel Depth

Mitigation Plan 6b

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: WASP-1997-Plan6b_2ft

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.9	3.96	4	4.19	4.34	4.52	4.61	4.67	4.73
FR2	3.44	4.05	4.14	4.29	4.48	4.63	4.78	4.85	4.97
FR3	3.58	3.61	3.69	3.94	4.08	4.32	4.85	5.25	5.6
FR4	3.57	3.62	3.68	3.95	4.1	4.34	4.83	5.22	5.53
FR5	3.7	3.74	3.8	4.03	4.16	4.39	5.07	5.35	5.55
FR6	3.75	3.84	3.91	4.12	4.26	4.53	5.32	5.59	5.72
FR7	4.55	4.65	4.8	5.06	5.61	6.11	6.38	6.53	7.03
FR8	4.52	4.61	4.78	5.11	5.96	6.32	6.54	6.68	6.89
FR9	5.16	5.64	5.8	6.16	6.46	6.75	7.06	7.18	7.35
FR10	4.61	5.01	5.14	5.48	5.86	6.26	6.58	6.77	7.13
FR11	3.59	4.1	4.36	4.77	5.62	6.07	6.35	6.53	6.84
MR1	4.31	4.43	4.57	4.76	5.03	5.32	5.74	5.91	6.18
MR2	4.19	4.32	4.4	4.64	4.94	5.32	5.69	5.81	5.94
MR3	4.11	4.21	4.34	4.51	4.8	5.08	5.28	5.48	5.72
MR4	3.84	4.68	4.91	5.21	5.47	5.77	6.06	6.25	6.72
MR5	1.4	1.56	1.82	2.55	5.01	6.11	6.45	6.72	6.98
MR6	5.43	5.86	6.17	6.54	6.8	7.15	7.38	7.47	7.57
LBR1	3.18	4.21	4.83	5.26	5.5	5.8	6.08	6.29	6.52
LBR2	3.83	4.12	4.21	4.41	4.64	4.87	5.02	5.18	5.69
LBR3	1.76	1.96	2.07	2.39	2.74	3.09	3.3	3.43	3.53
BR1	1.07	1.55	1.91	2.59	3.28	4.07	4.3	4.36	4.47
BR2	0.62	0.89	1.16	1.83	2.38	2.68	2.97	3.11	3.28
BR3	0.81	1.07	1.23	1.48	1.75	2.38	3	3.18	3.38
SCH1	2.33	2.51	2.68	2.85	3.05	3.3	3.66	3.82	4
SCH2	3.74	3.87	3.97	4.1	4.29	4.43	4.56	4.64	4.81
SR	4.68	4.73	4.96	5.3	5.62	5.96	6.1	6.15	6.22
StbR	4.07	4.48	4.74	5.22	5.71	6.14	6.42	6.57	6.78

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing
Project: Scenario: WASP-1997-Plan6b_2ft

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	-0.02	-0.5	-0.03	-0.8	-0.05	-1.2	-0.03	-0.7	-0.04	-0.9	0	0.0	-0.02	-0.4	-0.03	-0.6	-0.01	-0.2
FR2	-0.22	-6.0	0.29	7.7	0.3	7.8	0.26	6.5	0.26	6.2	0.23	5.2	0.16	3.5	0.16	3.4	-0.11	-2.2
FR3	0.09	2.6	0.02	0.6	0.05	1.4	0.07	1.8	0.03	0.7	0.03	0.7	0.07	1.5	0.18	3.6	0	0.0
FR4	0.07	2.0	0.06	1.7	0.06	1.7	0.03	0.8	0.03	0.7	-0.06	-1.4	-0.13	-2.6	-0.09	-1.7	0.03	0.5
FR5	0.08	2.2	0	0.0	-0.09	-2.3	-0.05	-1.2	-0.15	-3.5	-0.5	-10.2	-0.35	-6.5	-0.28	-5.0	-0.23	-4.0
FR6	0.06	1.6	0.08	2.1	0.02	0.5	0	0.0	0	0.0	-0.25	-5.2	-0.25	-4.5	-0.18	-3.1	-0.19	-3.2
FR7	0.38	9.1	0.4	9.4	0.47	10.9	0.45	9.8	0.58	11.5	0.13	2.2	0.12	1.9	0.17	2.7	0.54	8.3
FR8	-0.14	-3.0	-0.17	-3.6	-0.28	-5.5	-0.4	-7.3	-0.16	-2.6	-0.12	-1.9	-0.18	-2.7	-0.17	-2.5	-0.22	-3.1
FR9	0.28	5.7	0.61	12.1	0.47	8.8	0.44	7.7	0.18	2.9	0.15	2.3	0.21	3.1	0.16	2.3	0.16	2.2
FR10	0.3	7.0	0.23	4.8	0.19	3.8	0.16	3.0	-0.05	-0.8	-0.17	-2.6	-0.1	-1.5	-0.24	-3.4	-0.09	-1.2
FR11	-0.58	-13.9	-0.6	-12.8	-0.57	-11.6	-0.47	-9.0	-0.05	-0.9	-0.07	-1.1	-0.15	-2.3	-0.11	-1.7	-0.29	-4.1
MR1	-0.1	-2.3	-0.1	-2.2	-0.05	-1.1	-0.13	-2.7	-0.13	-2.5	-0.27	-4.8	-0.15	-2.5	-0.09	-1.5	-0.04	-0.6
MR2	0.16	4.0	0.17	4.1	0.07	1.6	0.02	0.4	-0.13	-2.6	-0.21	-3.8	-0.11	-1.9	-0.09	-1.5	-0.09	-1.5
MR3	0.41	11.1	0.32	8.2	0.34	8.5	0.32	7.6	0.28	6.2	0.01	0.2	-0.43	-7.5	-0.45	-7.6	-0.47	-7.6
MR4	-0.05	-1.3	0.65	16.1	0.79	19.2	0.82	18.7	0.86	18.7	0.88	18.0	1	19.8	1.07	20.7	1.31	24.2
MR5	-0.09	-6.0	-0.48	-23.5	-0.59	-24.5	-0.5	-16.4	0.04	0.8	-0.12	-1.9	-0.12	-1.8	-0.17	-2.5	-0.13	-1.8
MR6	3.32	157.3	3.37	135.3	3.16	105.0	3.03	86.3	1.19	21.2	0.79	12.4	0.58	8.5	0.41	5.8	0.25	3.4
LBR1	-0.39	-10.9	-0.14	-3.2	0.08	1.7	0.13	2.5	0.07	1.3	0.16	2.8	0.11	1.8	0.13	2.1	0.05	0.8
LBR2	0.14	3.8	0.26	6.7	0.24	6.0	0.25	6.0	0.25	5.7	0.27	5.9	0.25	5.2	0.3	6.1	0.43	8.2
LBR3	-1.13	-39.1	-1.32	-40.2	-1.4	-40.3	-1.29	-35.1	-1.21	-30.6	-1.25	-28.8	-1.43	-30.2	-1.56	-31.3	-1.71	-32.6
BR1	-2.21	-67.4	-1.86	-54.5	-1.66	-46.5	-1.15	-30.7	-0.69	-17.4	-0.13	-3.1	-0.13	-2.9	-0.17	-3.8	-0.17	-3.7
BR2	-1.93	-75.7	-1.95	-68.7	-1.83	-61.2	-1.41	-43.5	-1.06	-30.8	-1.02	-27.6	-0.87	-22.7	-0.82	-20.9	-0.75	-18.6
BR3	-2.22	-73.3	-2.19	-67.2	-2.21	-64.2	-2.14	-59.1	-2.03	-53.7	-1.57	-39.7	-1.08	-26.5	-0.97	-23.4	-0.87	-20.5
SCH1	-0.06	-2.5	-0.06	-2.3	0	0.0	0.02	0.7	0.04	1.3	-0.11	-3.2	-0.11	-2.9	-0.07	-1.8	-0.14	-3.4
SCH2	0	0.0	-0.04	-1.0	-0.04	-1.0	-0.04	-1.0	-0.04	-0.9	-0.04	-0.9	-0.04	-0.9	-0.04	-0.9	-0.01	-0.2
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	0	0.0	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	0.23	6.0	0.26	6.2	0.17	3.7	0.18	3.6	0.02	0.4	-0.06	-1.0	-0.07	-1.1	-0.07	-1.1	-0.06	-0.9

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: WASP-1997-Plan6b_2ft

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.12	4.19	4.26	4.36	4.49	4.58	4.67	4.73	4.80
FR2	3.95	3.98	4.02	4.25	4.38	4.54	4.66	4.69	4.78
FR3	3.75	3.81	3.88	4.09	4.22	4.39	4.66	4.75	4.87
FR4	3.71	3.74	3.78	4.04	4.14	4.31	4.82	5.12	5.36
FR5	3.77	3.80	3.91	4.12	4.26	4.52	5.21	5.52	5.67
FR6	3.95	3.99	4.05	4.28	4.42	4.86	5.60	5.79	5.94
FR7	4.36	4.45	4.56	4.82	5.53	6.04	6.28	6.38	6.47
FR8	4.71	4.85	4.99	5.35	5.95	6.32	6.53	6.63	6.81
FR9	5.39	5.66	5.81	6.11	6.45	6.72	6.97	7.15	7.27
FR10	5.44	5.73	5.87	6.14	6.48	6.71	7.08	7.18	7.29
FR11	4.50	4.72	4.87	5.15	5.46	5.72	5.97	6.09	6.24
MR1	4.39	4.49	4.59	4.79	5.02	5.34	5.67	5.84	5.93
MR2	4.24	4.38	4.49	4.72	4.99	5.29	5.61	5.80	5.93
MR3	4.19	4.29	4.42	4.59	4.85	5.08	5.23	5.33	5.52
MR4	4.54	4.66	4.77	4.95	5.22	5.45	5.65	5.84	6.02
MR5	1.82	2.16	2.76	3.25	5.40	6.11	6.44	6.67	6.89
MR6	5.43	5.74	5.93	6.17	6.37	6.62	6.81	6.91	7.01
LBR1	4.34	4.58	4.71	4.93	5.15	5.36	5.57	5.70	5.77
LBR2	3.97	4.09	4.20	4.39	4.63	4.83	4.96	5.09	5.21
LBR3	2.79	2.90	3.03	3.25	3.46	3.78	3.97	4.06	4.13
BR1	2.02	2.82	3.35	3.93	4.25	4.50	4.67	4.72	4.85
BR2	1.01	1.28	1.54	2.14	2.83	3.46	3.86	4.01	4.22
BR3	1.41	1.60	1.72	1.89	2.03	2.19	2.34	2.38	2.49
SCh1	3.43	3.55	3.61	3.72	3.81	3.93	4.00	4.07	4.16
SCh2	3.93	4.02	4.08	4.23	4.36	4.48	4.57	4.63	4.72
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.40	6.47
StbR	4.85	4.97	5.13	5.41	5.74	5.99	6.16	6.25	6.40

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: WASP-1997-Plan6b_2ft

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	-0.01	0.00	-0.01	-0.02	-0.01	-0.01	-0.05	-0.07	-0.04	-0.2	-0.1	-0.1	-0.3	-0.2	-0.3	-1.1	-1.5	-0.8
FR2	0.01	-0.01	-0.01	0.00	0.01	0.00	0.01	0.01	0.02	0.2	-0.3	-0.3	-0.1	0.2	0.0	0.2	0.1	0.5
FR3	0.05	0.04	0.04	0.06	0.03	0.00	-0.05	-0.03	-0.12	1.4	1.2	1.1	1.5	0.8	0.1	-1.0	-0.6	-2.4
FR4	0.05	0.04	0.03	0.05	0.02	-0.06	-0.11	-0.18	-0.19	1.4	1.1	0.9	1.3	0.5	-1.4	-2.3	-3.4	-3.4
FR5	0.09	0.04	0.03	0.04	-0.02	-0.24	-0.20	-0.13	-0.13	2.5	1.1	0.7	0.9	-0.4	-5.1	-3.7	-2.3	-2.2
FR6	-0.01	-0.03	-0.06	-0.04	-0.12	-0.34	-0.18	-0.13	-0.10	-0.3	-0.7	-1.4	-0.9	-2.7	-6.5	-3.1	-2.2	-1.7
FR7	-0.08	-0.10	-0.13	-0.27	-0.33	-0.15	-0.14	-0.18	-0.23	-1.8	-2.2	-2.7	-5.2	-5.6	-2.3	-2.1	-2.7	-3.4
FR8	-0.16	-0.20	-0.30	-0.31	-0.20	-0.11	-0.15	-0.17	-0.17	-3.2	-4.0	-5.6	-5.5	-3.3	-1.7	-2.2	-2.6	-2.4
FR9	-0.28	-0.24	-0.20	-0.15	-0.09	-0.09	-0.10	-0.07	-0.07	-4.9	-4.1	-3.4	-2.4	-1.3	-1.3	-1.4	-1.0	-0.9
FR10	-0.27	-0.12	-0.14	-0.16	-0.09	-0.10	-0.08	-0.06	-0.03	-4.7	-2.0	-2.4	-2.5	-1.4	-1.4	-1.1	-0.8	-0.4
FR11	-0.38	-0.38	-0.40	-0.44	-0.42	-0.46	-0.48	-0.46	-0.44	-7.8	-7.5	-7.6	-7.8	-7.1	-7.4	-7.5	-7.0	-6.6
MR1	-0.09	-0.09	-0.11	-0.10	-0.16	-0.20	-0.17	-0.13	-0.11	-2.0	-2.0	-2.3	-2.0	-3.1	-3.6	-2.9	-2.2	-1.8
MR2	0.05	0.07	-0.02	-0.07	-0.14	-0.20	-0.19	-0.10	-0.10	1.1	1.5	-0.5	-1.5	-2.6	-3.7	-3.3	-1.7	-1.7
MR3	0.34	0.26	0.31	0.21	0.11	-0.14	-0.36	-0.40	-0.33	8.8	6.3	7.6	4.7	2.3	-2.7	-6.4	-7.0	-5.7
MR4	0.15	0.15	0.16	0.17	0.17	0.20	0.21	0.30	0.32	3.4	3.3	3.4	3.5	3.3	3.9	3.8	5.4	5.6
MR5	-0.49	-0.40	-0.21	-0.21	0.07	-0.05	-0.09	-0.15	-0.12	-21.3	-15.6	-6.9	-6.0	1.3	-0.9	-1.3	-2.3	-1.6
MR6	3.29	3.20	2.88	2.59	0.68	0.29	0.01	-0.03	-0.27	153.2	126.5	94.1	72.2	11.9	4.6	0.2	-0.5	-3.6
LBR1	0.05	0.08	0.12	0.13	0.16	0.16	0.28	0.25	0.20	1.1	1.8	2.6	2.8	3.1	3.2	5.2	4.5	3.6
LBR2	0.28	0.28	0.25	0.26	0.27	0.28	0.25	0.32	0.32	7.5	7.4	6.2	6.3	6.3	6.1	5.3	6.7	6.5
LBR3	-0.75	-0.68	-0.63	-0.53	-0.49	-0.33	-0.27	-0.29	-0.33	-21.2	-19.1	-17.2	-14.1	-12.3	-8.1	-6.3	-6.7	-7.4
BR1	-1.51	-0.76	-0.29	0.03	0.21	0.29	0.24	0.22	0.25	-42.7	-21.2	-8.0	0.7	5.3	6.8	5.5	4.8	5.4
BR2	-2.29	-2.10	-1.92	-1.48	-0.99	-0.53	-0.29	-0.28	-0.17	-69.3	-62.2	-55.4	-40.8	-25.9	-13.3	-6.9	-6.6	-3.9
BR3	-2.05	-1.91	-1.84	-1.73	-1.71	-1.66	-1.63	-1.61	-1.53	-59.3	-54.3	-51.7	-47.8	-45.8	-43.1	-41.0	-40.4	-38.0
SCh1	-0.07	-0.01	-0.02	0.00	-0.01	-0.03	-0.03	-0.03	-0.01	-2.1	-0.2	-0.6	0.0	-0.4	-0.7	-0.8	-0.7	-0.2
SCh2	-0.01	-0.02	-0.01	-0.02	-0.02	-0.01	-0.04	-0.02	-0.01	-0.3	-0.5	-0.2	-0.6	-0.4	-0.2	-0.8	-0.4	-0.2
SR	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	-0.01	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1
StbR	0.11	0.04	0.04	-0.03	-0.05	-0.10	-0.14	-0.18	-0.15	2.3	0.8	0.8	-0.5	-0.9	-1.7	-2.3	-2.8	-2.3

44 ft Channel Depth

Mitigation Plan 6b

D.O. Mitigation

Dissolved Oxygen Percentiles Distribution in Critical Cells

Scenario: 6B2ft-withDOmitigation

Zone	D.O. Percentile (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	3.99	4.06	4.12	4.33	4.48	4.64	4.76	4.78	4.86
FR2	3.89	3.99	4.09	4.34	4.55	4.74	5.1	5.2	5.44
FR3	3.77	3.82	3.9	4.2	4.41	4.76	5.37	5.8	6.1
FR4	3.76	3.82	3.93	4.23	4.45	4.89	5.39	5.82	6.13
FR5	3.89	3.95	4.03	4.31	4.5	4.84	5.62	5.89	6.09
FR6	3.96	4.07	4.16	4.43	4.61	4.97	5.86	6.11	6.24
FR7	4.35	4.47	4.55	4.82	5.12	6.14	6.63	6.81	6.93
FR8	4.86	4.99	5.18	5.57	6.59	7.24	7.59	7.73	8.07
FR9	6.2	6.46	6.63	6.86	7.09	7.47	7.74	8.05	8.45
FR10	5.74	5.93	6.15	6.46	6.77	7.26	7.99	8.75	9.47
FR11	4.84	4.97	5.19	5.52	5.88	6.31	8.02	9.4	10.77
MR1	4.61	4.78	4.95	5.17	5.45	5.78	6.28	6.43	6.65
MR2	4.61	4.73	4.82	5.07	5.4	5.75	6.11	6.32	6.44
MR3	4.52	4.62	4.72	4.93	5.25	5.53	5.77	5.93	6.15
MR4	4.43	5.14	5.32	5.59	5.87	6.26	6.68	6.95	7.41
MR5	2.05	2.21	2.49	3.18	5.91	6.84	7.35	7.66	8.13
MR6	5.65	6.02	6.2	6.51	6.81	7.08	7.34	7.49	7.65
LBR1	3.76	4.74	5.36	5.7	5.97	6.36	6.77	7.14	7.48
LBR2	4.2	4.52	4.64	4.82	5.03	5.27	5.46	5.61	6.2
LBR3	2.28	2.41	2.5	2.74	3.05	3.41	3.64	3.78	3.88
BR1	4.2	4.43	4.57	4.78	5.11	5.53	6.13	6.29	6.62
BR2	2.49	2.88	3.32	4.07	5.9	6.9	7.51	7.7	7.91
BR3	2.18	2.34	2.41	2.53	2.8	3.62	4.31	4.67	5.36
SCH1	2.49	2.66	2.84	3.01	3.18	3.43	3.74	3.93	4.07
SCH2	3.93	4.08	4.19	4.32	4.5	4.66	4.78	4.84	5.01
SR	4.68	4.73	4.96	5.3	5.62	5.96	6.1	6.15	6.22
StbR	4.52	5.06	5.36	5.89	6.46	6.93	7.31	7.45	7.7

Delta D.O. Percentiles for Critical Cells

Baseline: Scenario: WASP1997Existing

Project: Scenario: 6B2ft-withDOMitigation

Zone	Delta D.O. Percentile																	
	1%		5%		10%		25%		50%		75%		90%		95%		99	
	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%	mg/l	%
FR1	0.07	1.8	0.07	1.8	0.07	1.7	0.11	2.6	0.1	2.3	0.12	2.7	0.13	2.8	0.08	1.7	0.12	2.5
FR2	0.23	6.3	0.23	6.1	0.25	6.5	0.31	7.7	0.33	7.8	0.34	7.7	0.48	10.4	0.51	10.9	0.36	7.1
FR3	0.28	8.0	0.23	6.4	0.26	7.1	0.33	8.5	0.36	8.9	0.47	11.0	0.59	12.3	0.73	14.4	0.5	8.9
FR4	0.26	7.4	0.26	7.3	0.31	8.6	0.31	7.9	0.38	9.3	0.49	11.1	0.43	8.7	0.51	9.6	0.63	11.5
FR5	0.27	7.5	0.21	5.6	0.14	3.6	0.23	5.6	0.19	4.4	-0.05	-1.0	0.2	3.7	0.26	4.6	0.31	5.4
FR6	0.27	7.3	0.31	8.2	0.27	6.9	0.31	7.5	0.35	8.2	0.19	4.0	0.29	5.2	0.34	5.9	0.33	5.6
FR7	0.18	4.3	0.22	5.2	0.22	5.1	0.21	4.6	0.09	1.8	0.16	2.7	0.37	5.9	0.45	7.1	0.44	6.8
FR8	0.2	4.3	0.21	4.4	0.12	2.4	0.06	1.1	0.47	7.7	0.8	12.4	0.87	12.9	0.88	12.8	0.96	13.5
FR9	1.32	27.0	1.43	28.4	1.3	24.4	1.14	19.9	0.81	12.9	0.87	13.2	0.89	13.0	1.03	14.7	1.26	17.5
FR10	1.43	33.2	1.15	24.1	1.2	24.2	1.14	21.4	0.86	14.6	0.83	12.9	1.31	19.6	1.74	24.8	2.25	31.2
FR11	0.67	16.1	0.27	5.7	0.26	5.3	0.28	5.3	0.21	3.7	0.17	2.8	1.52	23.4	2.76	41.6	3.64	51.1
MR1	0.2	4.5	0.25	5.5	0.33	7.1	0.28	5.7	0.29	5.6	0.19	3.4	0.39	6.6	0.43	7.2	0.43	6.9
MR2	0.58	14.4	0.58	14.0	0.49	11.3	0.45	9.7	0.33	6.5	0.22	4.0	0.31	5.3	0.42	7.1	0.41	6.8
MR3	0.82	22.2	0.73	18.8	0.72	18.0	0.74	17.7	0.73	16.2	0.46	9.1	0.06	1.1	0	0.0	-0.04	-0.6
MR4	0.54	13.9	1.11	27.5	1.2	29.1	1.2	27.3	1.26	27.3	1.37	28.0	1.62	32.0	1.77	34.2	2	37.0
MR5	0.56	37.6	0.17	8.3	0.08	3.3	0.13	4.3	0.94	18.9	0.61	9.8	0.78	11.9	0.77	11.2	1.02	14.3
MR6	3.54	167.8	3.53	141.8	3.19	106.0	3	85.5	1.2	21.4	0.72	11.3	0.54	7.9	0.43	6.1	0.33	4.5
LBR1	0.19	5.3	0.39	9.0	0.61	12.8	0.57	11.1	0.54	9.9	0.72	12.8	0.8	13.4	0.98	15.9	1.01	15.6
LBR2	0.51	13.8	0.66	17.1	0.67	16.9	0.66	15.9	0.64	14.6	0.67	14.6	0.69	14.5	0.73	15.0	0.94	17.9
LBR3	-0.61	-21.1	-0.87	-26.5	-0.97	-28.0	-0.94	-25.5	-0.9	-22.8	-0.93	-21.4	-1.09	-23.0	-1.21	-24.2	-1.36	-26.0
BR1	0.92	28.0	1.02	29.9	1	28.0	1.04	27.8	1.14	28.7	1.33	31.7	1.7	38.4	1.76	38.9	1.98	42.7
BR2	-0.06	-2.4	0.04	1.4	0.33	11.0	0.83	25.6	2.46	71.5	3.2	86.5	3.67	95.6	3.77	95.9	3.88	96.3
BR3	-0.85	-28.1	-0.92	-28.2	-1.03	-29.9	-1.09	-30.1	-0.98	-25.9	-0.33	-8.4	0.23	5.6	0.52	12.5	1.11	26.1
SCH1	0.1	4.2	0.09	3.5	0.16	6.0	0.18	6.4	0.17	5.6	0.02	0.6	-0.03	-0.8	0.04	1.0	-0.07	-1.7
SCH2	0.19	5.1	0.17	4.3	0.18	4.5	0.18	4.3	0.17	3.9	0.19	4.3	0.18	3.9	0.16	3.4	0.19	3.9
SR	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	0	0.0	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2	-0.01	-0.2
StbR	0.68	17.7	0.84	19.9	0.79	17.3	0.85	16.9	0.77	13.5	0.73	11.8	0.82	12.6	0.81	12.2	0.86	12.6

D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31
 Project Scenario: 6B2ft-withDOmitigation

Zone Name	D.O. Concentration Percentiles (mg/l)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	4.16	4.23	4.29	4.42	4.55	4.65	4.73	4.77	4.83
FR2	4.08	4.11	4.15	4.42	4.60	4.79	4.98	5.09	5.26
FR3	3.93	4.00	4.06	4.35	4.53	4.72	5.23	5.28	5.40
FR4	3.91	3.95	4.00	4.31	4.48	4.71	5.39	5.68	5.90
FR5	3.98	4.03	4.17	4.42	4.60	4.99	5.75	6.04	6.19
FR6	4.19	4.24	4.33	4.61	4.82	5.34	6.12	6.34	6.46
FR7	4.66	4.78	4.94	5.23	6.02	6.56	6.89	6.96	7.05
FR8	5.10	5.24	5.41	5.82	6.63	7.17	7.46	7.63	7.82
FR9	6.29	6.47	6.64	6.85	7.15	7.39	7.69	7.82	7.97
FR10	5.94	6.19	6.35	6.61	6.89	7.27	7.58	7.77	8.16
FR11	5.65	5.93	6.11	6.41	6.94	7.52	8.01	8.36	8.79
MR1	4.71	4.88	5.01	5.22	5.46	5.79	6.19	6.35	6.45
MR2	4.68	4.80	4.89	5.15	5.42	5.74	6.09	6.30	6.42
MR3	4.62	4.70	4.84	5.02	5.29	5.54	5.70	5.78	5.96
MR4	5.02	5.14	5.24	5.42	5.73	5.95	6.19	6.33	6.50
MR5	2.45	2.83	3.38	3.83	6.29	7.19	8.16	8.79	9.41
MR6	5.66	5.88	5.99	6.20	6.42	6.62	6.83	6.97	7.07
LBR1	4.84	5.08	5.18	5.39	5.57	5.78	6.03	6.14	6.22
LBR2	4.40	4.50	4.63	4.79	5.03	5.22	5.39	5.52	5.65
LBR3	3.15	3.26	3.38	3.59	3.84	4.14	4.32	4.44	4.51
BR1	4.80	4.95	5.10	5.40	6.17	7.06	7.69	7.98	8.19
BR2	3.66	4.54	4.95	5.74	6.42	7.03	7.66	7.81	8.03
BR3	2.69	2.82	2.86	3.00	3.39	4.12	4.52	4.76	5.07
SCh1	3.57	3.68	3.75	3.87	3.95	4.05	4.12	4.17	4.25
SCh2	4.12	4.19	4.25	4.43	4.56	4.69	4.79	4.83	4.91
SR	4.90	4.95	5.18	5.52	5.83	6.16	6.34	6.41	6.48
StbR	5.30	5.52	5.69	5.99	6.37	6.66	6.89	7.01	7.25

Difference of D.O. %-tiles for zones of Savannah Estuary

Simulation Period: Year 1997 AUGUST 1 -AUGUST 31

Baseline Scenario: WASP1997Existing

Project Scenario: 6B2ft-withDOMitigation

Zone Name	Project - Baseline Difference (mg/l)									Project - Baseline Relative Difference (%)								
	1%	5%	10%	25%	50%	75%	90%	95%	99%	1%	5%	10%	25%	50%	75%	90%	95%	99%
FR1	0.03	0.03	0.03	0.04	0.06	0.06	0.00	-0.03	-0.02	0.8	0.7	0.7	1.0	1.3	1.3	0.0	-0.6	-0.3
FR2	0.14	0.12	0.12	0.17	0.23	0.26	0.33	0.40	0.50	3.6	3.0	2.9	3.9	5.3	5.6	7.1	8.6	10.5
FR3	0.24	0.23	0.23	0.32	0.34	0.34	0.52	0.50	0.41	6.4	6.2	6.0	8.0	8.2	7.7	10.9	10.4	8.3
FR4	0.25	0.24	0.25	0.32	0.36	0.34	0.46	0.38	0.36	6.9	6.5	6.7	8.1	8.7	7.7	9.3	7.1	6.5
FR5	0.30	0.27	0.29	0.34	0.33	0.22	0.33	0.39	0.40	8.2	7.2	7.4	8.3	7.7	4.6	6.2	6.9	6.9
FR6	0.23	0.23	0.22	0.29	0.27	0.15	0.34	0.42	0.42	5.9	5.7	5.3	6.8	6.0	2.8	5.9	7.1	7.0
FR7	0.22	0.23	0.25	0.14	0.16	0.38	0.47	0.40	0.35	5.0	5.0	5.3	2.8	2.8	6.2	7.4	6.1	5.3
FR8	0.23	0.19	0.13	0.16	0.47	0.74	0.79	0.83	0.84	4.8	3.7	2.4	2.8	7.7	11.5	11.8	12.2	12.1
FR9	0.62	0.56	0.63	0.59	0.62	0.58	0.62	0.59	0.64	11.0	9.5	10.4	9.5	9.5	8.5	8.7	8.2	8.7
FR10	0.23	0.34	0.33	0.31	0.33	0.46	0.42	0.53	0.83	4.0	5.8	5.5	4.9	5.0	6.8	5.9	7.4	11.4
FR11	0.78	0.83	0.84	0.82	1.06	1.34	1.56	1.80	2.11	15.9	16.4	15.8	14.6	18.0	21.7	24.2	27.5	31.6
MR1	0.23	0.29	0.31	0.33	0.28	0.26	0.35	0.39	0.41	5.2	6.4	6.5	6.7	5.4	4.6	6.0	6.5	6.7
MR2	0.48	0.49	0.38	0.36	0.30	0.24	0.29	0.40	0.39	11.5	11.4	8.4	7.6	5.8	4.4	4.9	6.7	6.5
MR3	0.76	0.67	0.73	0.63	0.55	0.31	0.12	0.06	0.11	19.7	16.5	17.8	14.5	11.7	6.0	2.1	1.0	1.9
MR4	0.63	0.63	0.62	0.64	0.67	0.70	0.75	0.79	0.80	14.3	14.0	13.5	13.4	13.3	13.4	13.9	14.3	14.1
MR5	0.14	0.28	0.42	0.37	0.96	1.03	1.64	1.96	2.40	6.0	10.9	14.1	10.7	17.9	16.8	25.1	28.8	34.2
MR6	3.52	3.35	2.94	2.62	0.73	0.29	0.02	0.03	-0.20	163.9	132.2	96.2	73.0	12.8	4.6	0.4	0.4	-2.8
LBR1	0.54	0.59	0.59	0.59	0.58	0.59	0.73	0.69	0.65	12.6	13.1	12.9	12.3	11.7	11.4	13.8	12.7	11.7
LBR2	0.70	0.69	0.68	0.66	0.67	0.67	0.68	0.75	0.75	19.0	18.2	17.1	15.9	15.5	14.7	14.4	15.7	15.4
LBR3	-0.39	-0.32	-0.28	-0.19	-0.11	0.04	0.08	0.09	0.05	-10.9	-8.9	-7.5	-5.0	-2.8	0.9	1.8	2.1	1.2
BR1	1.27	1.37	1.46	1.50	2.13	2.85	3.26	3.48	3.59	36.0	38.2	40.0	38.6	52.8	67.5	73.5	77.2	77.9
BR2	0.37	1.16	1.49	2.12	2.61	3.04	3.52	3.51	3.64	11.1	34.3	43.1	58.7	68.4	76.2	85.0	81.7	83.0
BR3	-0.76	-0.69	-0.69	-0.62	-0.35	0.27	0.55	0.76	1.06	-22.1	-19.7	-19.5	-17.2	-9.4	7.0	14.0	19.1	26.3
SCh1	0.06	0.12	0.12	0.15	0.13	0.10	0.08	0.08	0.09	1.8	3.3	3.3	4.1	3.3	2.4	2.0	1.9	2.1
SCh2	0.18	0.15	0.16	0.18	0.19	0.20	0.18	0.18	0.18	4.4	3.6	3.9	4.2	4.3	4.4	4.0	3.9	3.8
SR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
StbR	0.56	0.59	0.60	0.56	0.58	0.57	0.59	0.58	0.70	11.7	12.0	11.8	10.2	10.0	9.4	9.4	9.1	10.6