

**APPENDIX E**  
**AFFECTED WETLANDS**

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| Appendix E-1 | Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project  |
| Appendix E-2 | Summary of the Proposed Alternative Measures to Our Procedures in Wetland Areas for the Proposed East Texas to Mississippi Expansion Project |

**APPENDIX E-1**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

## APPENDIX E-1

**TABLE E-1**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

Wetland	Enter MP	Exit MP	National Wetland Inventory Classification <sup>a</sup>	Crossing Length (feet) <sup>b</sup>	Total Area Affected by Construction (acres) <sup>b,c,d</sup>	Total Area Affected by 30-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Total Area Affected by 10-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Crossing Method
<b>Panola County, Texas</b>								
EWw04PEM	H0.9	H0.9	PEM	42	0.07	0.03	0.01	Open-Cut
EWw02PSS	H1.0	H1.0	PSS	79	0.11	0.06	0.01	Open-Cut
EWw07PFO	H1.2	H1.2	PFO	57	0.11	0.04	0.03	Open-Cut
EWw11PFO	H1.7	H1.7	PFO	332	0.55	0.25	0.01	Open-Cut
EWw15PSS	H1.9	H2.1	PSS	893	1.20	0.50	<0.01	Open-Cut
EWw19PSS	H2.4	H2.4	PSS	21	0.05	≤0.02	<0.01	Open-Cut
EW20PEM	H2.4	H2.4	PEM	43	0.07	0.05	0.01	Open-Cut
<b>DeSoto Parish, Louisiana</b>								
EWw50PEM	1.7	1.7	PEM	9	0.01	<0.01	<0.01	Open-Cut
EWw51PEM	1.7	1.7	PEM	59	0.04	0.01	<0.01	Open-Cut
BPOW1	5.1	5.1	POW	23	<0.01	0.00	0.00	Open-Cut
PDP31W	6.9	6.9	PFO	40	0.04	0.02	0.01	Open-Cut
PDP38W	7.8	7.8	PEM	22	0.03	0.02	0.01	Open-Cut
BBDP2W	17.5	17.5	PFO	52	0.05	0.03	0.01	Open-Cut
BBDP6W	17.6	17.6	PFO	11	0.01	0.01	<0.01	Open-Cut
YWL3PFO	17.7	17.8	PFO	285	0.23	0.12	0.04	Open-Cut
DW64PFO	19.1	19.1	PFO	51	0.05	0.03	<0.01	Open-Cut
DW63PEM	19.1	19.1	PEM	1	0.06	0.04	<0.01	Open-Cut
PDP42W	19.2	19.2	PEM	111	0.02	0.01	0.00	Open-Cut
PDP47W	19.4	19.4	PEM	103	0.03	0.02	<0.01	Open-Cut
PDP46W	19.4	19.4	PFO	112	0.07	0.02	<0.01	Open-Cut
PDP48W	19.5	19.5	PEM	24	0.02	0.00	0.00	Open-Cut
MDP23W	20.8	20.8	PFO	23	<0.01	0.00	0.00	Open-Cut
MDP20W	21.0	21.0	PEM	192	0.04	0.02	<0.01	Open-Cut
MDP17W	21.0	21.0	PFO	313	0.32	0.19	0.07	Open-Cut
MDP13W	21.1	21.1	PEM	87	0.02	0.01	<0.01	Open-Cut
MDP12W	21.2	21.2	PEM	100	≤0.17	≤0.07	<0.01	Open-Cut
DW66PEM	21.2	21.2	PEM	124	0.02	<0.02	<0.01	Open-Cut
MDP9W	21.2	21.2	PEM	18	0.02	0.02	0.02	Open-Cut

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DW67PEM	21.3	21.3	PEM	68	0.01	<0.01	<0.01	Open-Cut
<b>Red River Parish, Louisiana</b>								
QDP16W	27.4	27.4	PEM	9	<0.01	<0.01	<0.01	Open-Cut
EW502PEM	28.8	28.9	PEM	1609	2.04	1.11	0.37	Open-Cut
EW503PEM	29.2	29.2	PEM	54	0.03	0.00	0.00	Open-Cut
ADP100W	31.4	31.4	PSS	22	0.02	0.02	<0.01	Open-Cut
ADP97W	31.5	31.5	PFO	116	0.14	0.08	0.03	Open-Cut
ADP96W	31.5	31.5	PSS	106	0.15	0.08	0.02	Open-Cut
EW49PSS	33.2	33.2	PSS	352	0.40	0.22	0.08	Open-Cut
EW31PFO	33.5	33.5	PFO	71	0.08	0.05	0.02	Open-Cut
EW42PFO	34.3	34.4	PFO	741	0.87	0.49	0.17	Open-Cut
EW28PFO	34.5	34.5	PFO	138	0.18	0.09	0.03	Open-Cut
EW27PSS	34.7	34.7	PSS	107	0.13	0.07	0.02	Open-Cut
EW26PEM	35.1	35.1	PEM	58	<0.01	0.00	0.00	Open-Cut
EW22PEM	35.7	35.7	PEM	19	0.01	0.01	<0.01	Open-Cut
EW23PEM	35.7	35.7	PEM	19	0.02	0.01	<0.01	Open-Cut
EW24PEM	35.7	35.7	PEM	10	0.02	0.01	<0.01	Open-Cut
EW21PEM	35.8	35.8	PEM	47	0.05	0.03	0.01	Open-Cut
<b>Bienville Parish, Louisiana</b>								
EW2PEM	36.0	36.0	PEM	19	0.03	0.01	<0.01	Open-Cut
EW4PEM	36.3	36.3	PEM	29	0.01	0.01	<0.01	Open-Cut
EW19PFO	36.4	36.4	PFO	309	0.90	0.51	0.16	Open-Cut
EW33PSS	36.6	36.6	PSS	10	0.03	0.01	<0.01	Open-Cut
EW16PSS	36.8	36.8	PSS	141	0.18	0.10	0.03	Open-Cut
EW15PFO	36.9	36.9	PFO	26	0.03	0.02	0.01	Open-Cut
EW14PEM	36.9	36.9	PEM	161	0.19	0.10	0.04	Open-Cut
EW12PEM	37.3	37.3	PEM	96	<0.01	0.00	0.00	Open-Cut
EW10PFO	37.4	37.4	PFO	96	0.10	0.06	0.02	Open-Cut

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**TABLE E-1 (continued)**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

Wetland	Enter MP	Exit MP	National Wetland Inventory Classification <sup>a</sup>	Crossing Length (feet) <sup>b</sup>	Total Area Affected by Construction (acres) <sup>b,c,d</sup>	Total Area Affected by 30-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Total Area Affected by 10-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Crossing Method
EW11PFO	37.4	37.4	PFO	94	0.10	0.04	0.02	Open-Cut
EW9PEM	37.9	37.9	PEM	18	<0.01	0.00	0.00	Open-Cut
EW8PEM	38.0	38.0	PEM	41	0.02	0.00	0.00	Open-Cut
EW7PEM	38.0	38.0	PEM	57	0.06	0.04	0.01	Open-Cut
DW2PSS	39.7	39.7	PFO	89	0.07	0.04	0.02	Open-Cut
DW2PEM	39.8	39.8	PSS	35	<0.01	0.00	0.00	Open-Cut
DW16PFO	41.0	41.0	PFO	69	0.09	0.05	0.02	Open-Cut
DW13PSS	41.0	41.0	PSS	138	0.15	0.09	0.03	Open-Cut
DW9PFO	41.8	41.8	PFO	10	<0.01	0.00	0.00	Open-Cut
DW10PFO	41.8	41.8	PFO	33	0.03	0.02	0.01	Open-Cut
DW21PFO	41.9	41.9	PFO	38	0.24	0.03	0.01	Open-Cut
DW24PFO	42.2	42.2	PFO	33	0.11	0.10	0.01	Open-Cut
DW23PFO	42.2	42.2	PFO	112	0.72	0.08	0.03	Open-Cut
DW24PFO	42.3	43.2	PFO	3,073	0.00	0.00	0.00	HDD
DW25PEM	43.2	43.4	PEM	1,011	0.00	0.00	0.00	HDD
DW29PEM	43.5	43.5	PEM	28	0.04	0.02	0.01	Open-Cut
DW32PFO	43.6	43.6	PFO	139	0.29	0.12	0.03	Open-Cut
DW37PEM	44.0	44.1	PEM	665	0.38	0.35	0.15	Open-Cut
DW38PFO	45.4	45.4	PFO	40	0.10	0.04	0.01	Open-Cut
DW53PFO	46.4	46.4	PFO	174	0.20	0.10	0.04	Open-Cut
DW46PSS	46.6	46.6	PSS	58	0.06	0.03	0.01	Open-Cut
DW41PEM	46.9	46.9	PEM	83	0.01	0.00	0.00	Open-Cut
DW42PFO	46.9	46.9	PFO	44	0.02	0.01	<0.01	Open-Cut
DW43PFO	46.9	46.9	PFO	42	0.06	0.03	0.01	Open-Cut
DW40PEM	47.0	47.0	PEM	49	<0.01	0.00	0.00	Open-Cut
DW39PEM	47.0	47.0	PEM	120	0.02	≤0.01	≤0.01	Open-Cut
DW54PEM	48.4	48.4	PEM	35	0.04	0.02	0.01	Open-Cut
DW56PFO	48.5	48.5	PFO	375	0.50	0.26	0.09	Open-Cut
DW57PEM	48.6	48.6	PEM	35	0.03	0.02	0.01	Open-Cut

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DW58	48.8	48.8	PFO	354	0.37	0.20	0.08	Open-Cut
DW60PFO	49.0	49.0	PFO	56	0.05	0.05	0.01	Open-Cut
DW122PFO	50.5	50.5	PFO	392	0.66	0.27	0.09	Open-Cut
DW123PEM	50.7	50.7	PEM	235	0.40	0.17	0.05	Open-Cut
DW124PSS	51.1	51.1	PSS	219	0.38	0.15	0.05	Open-Cut
DW125PFO	51.2	51.2	PFO	384	0.67	0.26	0.09	Open-Cut
DW126PFO	52.8	52.8	PFO	217	0.39	0.15	0.05	Open-Cut
DW127PFO	54.2	54.2	PFO	102	0.18	0.13	0.04	Open-Cut
DW128PFO	54.2	54.2	PFO	194	0.35	0.07	0.02	Open-Cut
EW72PFO	56.1	56.1	PFO	25	0.10	0.04	0.01	Open-Cut
EW73PFO	56.1	56.1	PFO	356	0.61	0.24	0.08	Open-Cut
EW74PFO	56.4	56.4	PFO	130	0.26	0.09	0.03	Open-Cut
EW75PSS	56.6	56.6	PSS	173	0.30	0.12	0.04	Open-Cut
EW76PFO	57.0	57.0	PFO	192	0.00	0.00	0.00	HDD
EW78PFO	57.1	57.4	PFO	1,339	0.00	0.00	0.00	HDD
EW79PEM	57.4	57.5	PEM	207	0.00	0.00	0.00	HDD
EW80PEM	57.4	57.4	PFO	790	3.08	1.43	0.95	Open-Cut
DW87PEM	57.6	57.7	PEM	881	2.71	1.77	0.20	Open-Cut
DW88PFO	57.7	57.7	PFO	92	1.63	0.78	0.10	Open-Cut
DW89PEM	58.1	58.1	PEM	78	0.06	0.05	0.02	Open-Cut
DW91PEM	58.8	58.8	PEM	62	0.14	0.05	0.01	Open-Cut
DW92PSS	58.9	58.9	PSS	55	0.11	0.04	0.01	Open-Cut
DW94PFO	61.2	61.2	PFO	68	0.13	0.05	0.02	Open-Cut
DW93PEM	61.6	61.6	PEM	46	0.06	0.03	0.01	Open-Cut
EW57PSS	62.1	62.1	PSS	179	0.30	0.12	0.04	Open-Cut
DW100PFO	62.8	62.8	PFO	3	<0.01	0.00	0.00	Open-Cut
DW99PFO	62.8	62.8	PFO	216	0.44	0.18	0.06	Open-Cut
DW97PFO	62.9	62.9	PFO	136	0.18	0.09	0.03	Open-Cut
DW96PFO	63.0	63.0	PFO	196	0.35	0.14	0.05	Open-Cut

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DW95PEM	63.1	63.1	PEM	274	0.46	0.19	0.06	Open-Cut
DW101PEM	65.3	65.3	PEM	15	<0.01	0.00	0.00	Open-Cut
EW58PSS	65.7	65.7	PSS	111	0.08	0.03	0.01	Open-Cut
DW104PFO	66.0	66.0	PFO	149	0.28	0.11	0.04	Open-Cut
DW103PFO	66.1	66.1	PFO	117	0.21	0.09	0.03	Open-Cut
DW102PFO	66.2	66.2	PFO	283	0.45	0.15	0.05	Open-Cut
EW60PFO	67.5	67.5	PFO	34	0.06	0.03	0.01	Open-Cut
EW59PFO	67.7	67.7	PFO	202	0.34	0.14	0.05	Open-Cut
EW61PFO	67.7	67.7	PFO	492	0.86	0.35	0.12	Open-Cut
EW62PFO	68.1	68.1	PFO	16	0.04	0.03	0.01	Open-Cut
EW63PFO	68.5	68.5	PFO	466	0.79	0.32	0.11	Open-Cut
<b>Jackson Parish, Louisiana</b>								
DW113PFO	69.4	69.4	PFO	288	0.15	0.08	0.02	Open-Cut
W1BJN001	70.0	70	PFO	307	0.52	0.22	0.08	Open-Cut
EW501PFO	70.7	70.7	PFO	333	0.24	0.02	0.00	Open-Cut
EW65PEM	75.1	75.1	PEM	30	0.05	0.02	0.01	Open-Cut
EW66PEM	75.3	75.3	PEM	91	0.15	0.06	0.02	Open-Cut
EW68PEM	75.6	75.6	PEM	10	0.03	0.01	<0.01	Open-Cut
W1BJN003	75.6	75.6	PSS	255	0.25	0.03	0.01	Open-Cut
DW117PEM	75.9	75.9	PEM	207	0.35	0.14	0.05	Open-Cut
DW116PSS	76.3	76.3	PSS	60	0.08	0.04	0.01	Open-Cut
DW118PEM	79.2	79.2	PEM	120	0.21	0.08	0.03	Open-Cut
DW119PFO	79.2	79.2	PFO	369	0.61	0.25	0.08	Open-Cut
DW120PEM	79.9	79.9	PEM	102	0.19	0.07	0.02	Open-Cut
DW121PFO	80.2	80.2	PFO	263	0.47	0.18	0.06	Open-Cut
EW71PFO	80.4	80.4	PFO	217	0.37	0.15	0.05	Open-Cut
EW69PFO	81.8	81.8	PFO	453	0.75	0.31	0.10	Open-Cut
EW79PFO	82.6	82.6	PFO	428	0.74	0.29	0.10	Open-Cut
DW80PFO	82.6	82.6	PFO	65	0.82	0.30	0.10	Open-Cut

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EJ-6	EW81PFO	82.8	82.8	PFO	21	0.03	0.01	<0.01	Open-Cut
	RDP11W	83.6	83.6	PSS	83	0.13	0.06	0.02	Open-Cut
	RDP9W	84.2	84.2	PFO	16	<0.01	0.00	0.00	Open-Cut
	ODP18W	85.5	85.5	PFO	132	0.09	0.06	0.03	Open-Cut
	ODP19W	87.0	87.0	PFO	9	0.57	0.09	<0.01	Open-Cut
	IDP28W	88.3	88.3	PFO	21	<0.01	<0.01	<0.01	Open-Cut
	GDP33W	89.4	89.4	PEM	11	0.35	0.14	0.00	Open-Cut
	GDP31W	89.7	89.8	PEM	64	0.00	0.00	0.00	HDD
	GDP30W	89.8	89.9	PFO	94	0.00	0.00	0.00	HDD
	GDP27W	89.8	89.9	PFO	67	0.00	0.00	0.00	HDD
	HDP26W	90.9	90.9	PFO	8	0.02	0.02	<0.01	Open-Cut
	HDP25W	91.1	91.1	PFO	20	0.04	0.04	<0.01	Open-Cut
	HDP23W	92.0	92.0	PFO	19	0.01	0.01	<0.01	Open-Cut
	HDP22W	92.1	92.1	PFO	26	0.05	0.02	0.01	Open-Cut
	HDP18W	92.5	92.5	PSS	29	0.01	<0.01	<0.01	Open-Cut
	HDP17W	92.5	92.5	PSS	11	0.21	0.02	0.01	Open-Cut
	HDP16W	92.6	92.6	PSS	11	0.04	0.01	0.00	Open-Cut
	<b>Ouachita Parish, Louisiana</b>								
	HPOW	99.0	99.0	POW	48	0.02	<0.01	<0.01	Open-Cut
	HDP13W	99.1	99.1	PEM	102	0.18	0.07	0.02	Open-Cut
	HDP12W	99.7	99.7	PEM	11	0.02	0.02	0.01	Open-Cut
	HDP11W	99.8	99.8	PEM	4	0.01	0.01	<0.01	Open-Cut
	HDP7W	100.1	100.1	PEM	19	0.00	0.00	0.00	Open-Cut
	HDP3W	100.2	100.2	PFO	11	0.01	0.01	<0.01	Open-Cut
	HDP5W	100.2	100.2	PSS	31	0.08	0.02	0.01	Open-Cut
	GDP5W	102.3	102.3	PFO	350	0.61	0.24	0.08	Open-Cut
	ODP26W	107.5	107.5	PFO	32	0.04	0.02	0.01	Open-Cut
	ODP25W	107.5	107.5	PFO	355	0.60	0.25	0.08	Open-Cut
	ODP23W	108.1	108.1	PEM	56	<0.01	0.00	0.00	Open-Cut

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ADP13W	109.6	109.7	PFO	3,424	5.88	2.36	0.79	Open-Cut
YDP20W-YDP30W	112.3	112.3	PFO	240	0.71	0.40	0.38	Open-Cut
HDP29W	113.1	113.1	PEM	29	0.05	0.02	0.01	Open-Cut
KDP21W	113.1	113.1	PSS	85	0.15	0.06	0.02	Open-Cut
<b>Richland Parish, Louisiana</b>								
NDP8W	118.5	118.5	PFO	11	0.24	0.09	0.03	Open-Cut
NDP9W	119.0	119.1	PSS	683	1.18	0.47	0.16	Open-Cut
NDP10W	119.2	119.2	PSS	11	0.02	≤0.01	0.00	Open-Cut
NDP11W	119.2	119.3	PFO	3105	5.36	≤2.14	0.71	Open-Cut
IDP36W	122.3	122.4	PFO	149	0.00	0.00	0.00	HDD
1W30PEM	123.1	123.1	PEM	273	0.61	0.17	0.06	Open-Cut
1W31PEM	123.4	123.4	PEM	170	0.31	0.11	0.04	Open-Cut
1W40PFO	124	124	PFO	1120	2.91	0.86	0.24	Open-Cut
IDP46W	124.1	124.1	PFO	134	0.26	0.07	0.03	Open-Cut
IDP47PFO	124.1	124.2	PFO	1183	2.04	0.82	0.27	Open-Cut
NDP14W	124.4	124.5	PFO	620	1.06	0.43	0.14	Open-Cut
W1PEM	125.0	125.0	PEM	45	0.04	0.01	≤0.01	Open-Cut
IDP53W	125.5	125.5	PFO	362	0.61	0.24	0.08	Open-Cut
IDP51W	125.7	125.7	PFO	387	0.64	0.24	0.09	Open-Cut
HDP34W	126.3	126.3	PEM	20	0.05	0.00	0.00	Open-Cut
W3PFO	126.4	126.4	PFO	150	0.24	0.10	0.05	Open-Cut
W2PEM	126.4	126.4	PEM	46	0.06	0.02	0.01	Open-Cut
HDP41	127.2	127.2	PFO	63	0.10	0.04	0.01	Open-Cut
PDP3W	127.7	127.7	PFO	29	0.07	0.02	0.01	Open-Cut
PDP4W	127.7	127.7	PFO	232	0.41	0.16	0.05	Open-Cut
PDP5W	127.8	127.8	PFO	112	0.18	0.08	0.03	Open-Cut
PDP6W	127.8	127.8	PFO	378	0.67	0.26	0.09	Open-Cut
PDP9W	128.1	128.1	PFO	347	0.61	0.24	0.08	Open-Cut

## APPENDIX E-1

**TABLE E-1 (continued)**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

Wetland	Enter MP	Exit MP	National Wetland Inventory Classification <sup>a</sup>	Crossing Length (feet) <sup>b</sup>	Total Area Affected by Construction (acres) <sup>b,c,d</sup>	Total Area Affected by 30-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Total Area Affected by 10-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Crossing Method
PDP10W	128.2	128.2	PFO	108	0.17	0.07	0.02	Open-Cut
HDP48W	128.9	128.9	PSS	353	0.61	0.24	0.08	Open-Cut
HDP46W	129.1	129.1	PSS	282	0.48	0.19	0.06	Open-Cut
HDP50W	129.9	129.9	PEM	59	0.09	0.04	0.01	Open-Cut
PDP64W	130.8	130.9	PFO	41	0.00	0.00	0.00	HDD
PDP62W	130.8	130.9	PFO	191	0.00	0.00	0.00	HDD
HDP53W	132.6	132.6	PFO	175	0.29	0.12	0.03	Open-Cut
HDP53W	132.7	132.7	PFO	128	0.70	0.09	≤0.03	Open-Cut
AW604PEM	133.4	133.4	PEM	47	0.11	0.03	0.01	Open-Cut
HDP62W	133.9	133.9	PSS	161	0.24	0.11	0.04	Open-Cut
GDP36W	134.2	134.2	PEM	10	0.02	0.01	<0.01	Open-Cut
GDP37W	134.2	134.2	PEM	23	0.04	0.02	0.01	Open-Cut
GPOW1	134.3	134.3	POW	45	0.10	0.03	0.01	Open-Cut
GPOW2	134.3	134.3	POW	37	0.12	0.03	0.01	Open-Cut
GPOW3	134.4	134.4	POW	23	0.05	0.02	0.01	Open-Cut
IDP61W	136.4	136.4	PFO	9	0.08	0.03	0.01	Open-Cut
IDP65W	136.7	136.7	PFO	33	0.06	0.02	0.01	Open-Cut
GDP57W	138.6	138.6	PFO	111	0.21	0.08	0.03	Open-Cut
PDP30W	141.6	141.7	PFO	797	1.37	0.55	0.18	Open-Cut
PDP23W	141.7	141.7	PFO	303	0.53	0.21	0.07	Open-Cut
KDP5W	143.0	143.0	PEM	2	0.00	<0.01	<0.01	Open-Cut
KDP6W	143.8	143.8	PEM	120	0.02	<0.01	<0.01	Open-Cut
KDP9W	144.0	144.0	PEM	73	0.13	0.05	0.03	Open-Cut
GDP68W	144.4	144.4	PEM	32	0.07	0.03	0.01	Open-Cut
GDP69W	144.4	144.4	PSS	83	0.15	0.06	0.02	Open-Cut
GDP71W	144.5	144.5	PFO	138	0.23	0.09	0.03	Open-Cut
GDP75W	144.6	144.6	PEM	71	0.10	0.08	0.02	Open-Cut
GDP74W	144.6	144.6	PSS	112	0.21	0.05	0.01	Open-Cut
GDP77W	144.7	144.7	PSS	11	0.09	0.03	0.03	Open-Cut

## APPENDIX E-1

**TABLE E-1 (continued)**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

Wetland	Enter MP	Exit MP	National Wetland Inventory Classification <sup>a</sup>	Crossing Length (feet) <sup>b</sup>	Total Area Affected by Construction (acres) <sup>b,c,d</sup>	Total Area Affected by 30-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Total Area Affected by 10-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Crossing Method
GDP78W	144.8	144.8	PEM	28	0.03	0.02	0.01	Open-Cut
GDP79W	144.8	144.8	PSS	130	0.22	0.09	0.03	Open-Cut
GDP88W	145.8	145.8	PFO	107	0.22	0.08	0.02	Open-Cut
GDP91W	146.0	146.0	PFO	66	0.11	0.05	0.02	Open-Cut
QPFO2	147.3	147.3	PFO	180	0.32	0.12	0.04	Open-Cut
KDP16W	147.5	147.5	PFO	11	<0.01	0.00	0.00	Open-Cut
QDP7W	147.7	147.7	PEM	30	0.04	0.02	0.01	Open-Cut
<b>Madison Parish, Louisiana</b>								
UDP3W	150.7	150.7	PFO	172	0.30	0.12	0.04	Open-Cut
EW147PEM	153.3	153.3	PEM	31	≤0.05	0.03	0.01	Open-Cut
EW146PEM	153.3	153.3	PEM	34	0.03	0.01	0.01	Open-Cut
EW148PEM	153.4	153.4	PEM	11	0.02	0.01	<0.01	Open-Cut
EW149PEM	153.4	153.4	PEM	40	0.05	0.02	0.01	Open-Cut
EW150PEM	153.5	153.5	PEM	66	0.02	0.07	<0.01	Open-Cut
EW151PEM	153.6	153.6	PEM	78	0.12	≤0.05	≤0.02	Open-Cut
EW152PEM	153.8	153.8	PEM	9	0.01	0.01	<0.01	Open-Cut
EW153PEM	153.9	153.9	PEM	15	0.03	0.01	<0.01	Open-Cut
W2354	154.5	154.8	PEM	1,646	1.20	0.10	0.01	Open-Cut
W2354	154.8	155.2	PEM	1,870	1.28	0.00	0.00	Open-Cut
RDP20W	155.5	155.5	PEM	66	0.11	0.05	0.02	Open-Cut
EW144PEM	156.3	156.3	PEM	11	0.16	0.07	0.02	Open-Cut
EW141PEM	156.8	156.8	PEM	111	0.16	0.08	0.03	Open-Cut
EW142PSS	157.0	157.0	PSS	157	0.10	0.01	0.01	Open-Cut
EW140PEM	159.0	159.0	PEM	119	0.28	0.08	0.05	Open-Cut
ODP2W	166.3	166.3	PEM	74	0.13	0.05	0.02	Open-Cut
ODP7W	167.0	167.0	PSS	36	0.06	0.03	0.01	Open-Cut
VPOW5	167.6	167.6	POW	53	0.03	0.00	0.00	Open-Cut
BWPFO004	167.4	167.4	PFO	192	0.26	0.04	0.01	Open-Cut
VDP53W	167.1	167.2	PFO	565	0.00	0.00	0.00	HDD

## APPENDIX E-1

**TABLE E-1 (continued)**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

Wetland	Enter MP	Exit MP	National Wetland Inventory Classification <sup>a</sup>	Crossing Length (feet) <sup>b</sup>	Total Area Affected by Construction (acres) <sup>b,c,d</sup>	Total Area Affected by 30-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Total Area Affected by 10-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Crossing Method
W1BMN001	172.0	172.0	PEM	360	0.30	0.12	0.04	Open-Cut
W1BMN002	172.1	172.1	PEM	137	0.18	0.09	0.03	Open-Cut
XDP12W	173.4	173.4	PEM	270	0.62	0.41	0.32	Open-Cut
XDP15W	173.5	173.5	PFO	55	<0.01	<0.01	0.00	Open-Cut
XDP14W	173.6	173.6	PEM	93	0.56	0.43	0.22	Open-Cut
TDP18W	174.3	174.3	PFO	152	0.38	0.06	0.02	Open-Cut
TDP24W	174.4	174.4	PFO	171	0.38	0.03	0.02	Open-Cut
XDP20W	174.9	174.9	PFO	33	0.60	0.22	0.12	Open-Cut
XDP23W	175.1	175.2	PFO	547	0.94	0.26	0.13	Open-Cut
XDP26W	175.3	175.3	PFO	12	0.04	0.03	0.02	Open-Cut
XDP27W	175.5	175.5	PFO	65	0.12	<0.01	<0.01	Open-Cut
XDP28W	175.5	175.5	PEM	385	0.85	0.10	0.06	Open-Cut
XPOW2	175.7	175.7	POW	68	1.09	0.33	0.13	Open-Cut
XDP36W	175.9	175.9	PFO	93	0.23	0.54	≤0.08	Open-Cut
XDP34W	175.9	175.9	PFO	334	0.75	0.15	0.34	Open-Cut
XDP40W	176.4	176.4	PSF	107	0.24	0.08	0.02	Open-Cut
EEPFO1	182.0	183.4	PFO	1,282	12.04	3.19	1.06	Open-Cut
PEM/PSS1	182.2	182.3	PEM/PSS	1,217	2.50	0.83	0.28	Open-Cut
DDDP5W	182.2	182.7	PFO	278	0.67	0.19	0.06	Open-Cut
FFP2W	183.0	183.1	PFO	148	0.17	0.10	0.06	Open-Cut
PEM/PSS2	183.0	183.1	PEM/PSS	271	0.64	0.17	0.06	Open-Cut
FFP2W	183.0	183.1	PFO	875	4.61	0.50	0.20	Open-Cut
FFP1W	183.0	183.1	PEM	1,195	1.39	0.00	0.00	Open-Cut
FFP1W	183.0	183.0	PEM	550	0.63	0.00	0.00	Open-Cut
FFP1W	183.4	183.4	PEM	625	2.13	0.43	0.14	Open-Cut
DDPEM3	183.5	183.5	PEM	213	0.61	0.15	0.14	Open-Cut
DDPFO	183.5	183.5	PFO	625	0.95	0.10	0.03	Open-Cut
<b>Warren County, Mississippi</b>								
AWPFO205	185.1	185.1	PFO	50	0.05	0.03	0.01	Open-Cut

## APPENDIX E-1

**TABLE E-1 (continued)**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

Wetland	Enter MP	Exit MP	National Wetland Inventory Classification <sup>a</sup>	Crossing Length (feet) <sup>b</sup>	Total Area Affected by Construction (acres) <sup>b,c,d</sup>	Total Area Affected by 30-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Total Area Affected by 10-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Crossing Method
A204PEM	185.1	185.1	PEM	54	0.02	0.00	0.00	Open-Cut
EEPEM3	185.5	185.5	PEM	388	0.97	≤0.27	0.09	Open-Cut
EEPFO3	185.5	185.6	PFO	241	0.45	0.27	0.06	Open-Cut
EEPFO2	185.6	185.6	PFO	155	0.16	≤0.11	0.06	Open-Cut
AWPFO202	185.6	185.6	PFO	73	0.12	0.06	<0.01	Open-Cut
EW801PSS	185.4	185.5	PSS	13	0.00	0.00	0.00	HDD
EW801PFO	187.3	187.3	PFO	48	0.02	0.02	<0.01	Open-Cut
EW803PFO	187.8	187.8	PFO	27	0.01	0.00	0.00	Open-Cut
001PEM	196.5	196.5	PEM	40	0.01	0.00	0.00	Open-Cut
BWPFO002	196.5	196.5	PFO	158	0.07	0.00	0.00	Open-Cut
<b>Hinds County, Mississippi</b>								
BW601PFO	197.1	197.3	PFO	1,624	0.00	0.00	0.00	HDD
BW601PFO	197.3	197.4	PFO	877	3.57	2.10	<0.01	Open-Cut
DW609PEM	197.5	197.5	PEM	66	0.13	0.06	≤0.05	Open-Cut
BW602PFO	198.1	198.1	PFO	98	0.27	0.06	0.02	Open-Cut
EW614PEM	198.9	198.9	PEM	21	0.02	0.01	<0.01	Open-Cut
EW611PFO	199.2	199.2	PFO	294	0.74	0.31	0.48	Open-Cut
EW610PFO	199.3	199.4	PFO	563	1.02	0.44	0.10	Open-Cut
RDP29W	202.0	202.0	POW	9	<0.01	0.00	0.00	Open-Cut
RDP44W	203.7	203.7	PFO	9	0.02	0.02	<0.01	Open-Cut
EW511PEM	207.2	207.2	PEM	356	0.62	0.25	0.08	Open-Cut
XDP49W	210.2	210.2	PSS	9	0.02	0.02	<0.01	Open-Cut
EWPFO508	215.4	215.4	PFO	43	0.08	0.03	0.01	Open-Cut
DW900PEM	217.8	217.8	PEM	161	0.27	0.12	0.04	Open-Cut
DW901PFO	219.1	219.1	PFO	195	1.77	0.71	0.24	Open-Cut
DW903PEM	219.3	219.4	PEM	1,121	1.94	0.77	0.26	Open-Cut
DW904PFO	219.9	220.0	PFO	540	0.94	0.37	0.12	Open-Cut
BWPEM002	227.3	227.3	PEM	90	0.04	0.00	0.00	Open-Cut

## APPENDIX E-1

**TABLE E-1 (continued)**  
**Wetlands Affected by the Proposed East Texas to Mississippi Expansion Project**

Wetland	Enter MP	Exit MP	National Wetland Inventory Classification <sup>a</sup>	Crossing Length (feet) <sup>b</sup>	Total Area Affected by Construction (acres) <sup>b,c,d</sup>	Total Area Affected by 30-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Total Area Affected by 10-Foot Wide Operation Easement (acres) <sup>b,c,d</sup>	Crossing Method
<b>Simpson County, Mississippi</b>								
EW507PFO	233.0	233.0	PFO	158	0.27	0.10	0.04	Open-Cut
EW506PFO	233.3	233.3	PFO	87	0.09	0.05	0.02	Open-Cut
				<b>69,816</b>	<b>122.3</b>	<b>44.9</b>	<b>15.0</b>	Open-Cut
Notes:								
MP = Milepost								
<sup>a</sup> PEM = Palustrine emergent PSS = Palustrine scrub-shrub PFO = Palustrine forested								
POW = Palustrine open water PUB = Palustrine unconsolidated bottom								
<sup>b</sup> "0" indicates that the pipeline centerline would not cross the wetland. Reported impacts for these wetlands are for the portion of the construction corridor that would intersect the wetland.								
<sup>c</sup> Wetland impact calculations were based on a 75-foot-wide construction right-of-way, a 30-foot-wide permanent right-of-way in which selective tree thinning may take place, and a 10-foot-wide mowed. Extra temporary workspaces that would be located in wetlands are included in the impact numbers presented in this table and are summarized in Table 3.4.2-1.								
<sup>d</sup> Due to rounding, total pipeline facility values may deviate from values reported in text.								

**APPENDIX E-2**

**Summary of the Proposed Alternative Measures to Our Procedures in Wetland Areas for  
the Proposed East Texas to Mississippi Expansion Project**

## APPENDIX E2

<b>TABLE E-2</b> <b>Summary of the Proposed Alternative Measures to Gulf South's Procedures for the Proposed East Texas to Mississippi Project</b>					
Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
Casper Bayou Tributary	0.00	n/a	Waterbody	V.A.2.a	ATWS required for staging at beginning of pipeline.
McGee Bayou Tributary	13.2	n/a	Intermittent Waterbody	V.A.2.a	ATWS within 40 feet of waterbody – ATWS required for installation of bored crossing of KCS Railroad
PPEM3	19.50	0.02	PEM	VI.B.1.a	Valve setting located within 50' of wetland. ATWS required for installation of valve and road crossing.
Bayou Pierre Tributary	22.3	n/a	Intermittent Waterbody	V.A.2.a	ATWS for HDD pull back section crosses waterbody
Red River Tributary	27.4	n/a	Intermittent Waterbody	VI.A.2.a	Additional temporary workspace (50-ft x 400-ft) crosses waterbody on the south side of pipeline ROW to safely install the pipeline at the Red River HDD crossing.
Red River Tributary	27.5	n/a	Perennial Waterbody	V.A.2.a	ATWS Staging area within 50 feet of waterbody required to safely install pipeline in the vicinity of existing overhead Gulf South Facilities.
EW42PFO	34.5	0.1	PFO	VI.B1.a	Additional temporary workspace (50 ft x 100 ft) needed in wetland to safely install pipe on east side of Parish Road 350
Drainage Ditch State Hwy 783	35.9	n/a	Intermittent Waterbody	V.A.2a	ATWS required to safely install pipe across Highway 783
EW8PEM	38.0	0.09	PEM	VI.B1.a	Additional temporary workspace needed in wetland on the west side of Layfield Road (50 ft x 100 ft) to safely install pipeline
EW7PEM	38.0	0.01	PEM	VI.B1.a	Additional temporary workspace needed in wetland on the east side of Layfield Road (75 ft x 150 ft) to safely install pipeline
DW18PFO	40.9	0.15	PFO	VI.B1.a	Additional temporary workspace needed in wetlands on west side of Parish Road 540 (50 ft x 100 Ft) to safely install pipeline.
DW16PFO	40.9	0.15	PFO	VI.B1.a	Additional temporary workspace needed in wetlands on east side of Parish Road 540 (50 ft x 150 ft) to safely install pipeline.

## APPENDIX E2

<b>TABLE E-2 (continued)</b> <b>Summary of the Proposed Alternative Measures to Gulf South's Procedures</b> <b>for the Proposed East Texas to Mississippi Project</b>					
Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
DW21PFO and DW23PFO, and Black Lake Bayou Tributaries	42.0	0.65	PFO	VI.B1.a	Additional temporary workspace needed (50 ft x 2,100 ft) in wetland adjacent to Black Lake Bayou and crosses waterbodies for testing and fabrication of pipe extending west from HDD exit.
DW21PFO and DW23PFO	42.0	0.23	PFO	VI.B1.a	Temporary workspace needed (100 ft Wide) in wetland adjacent to Black Lake Bayou for testing and fabrication of pipe extending west from HDD exit.
DW24PFO	42.3	0.0	PFO	VI.B1.a	The exit point for the Black Lake Bayou HDD is located within 50 feet of a wetland.
DW29PEM, DW31PEM, DW32PFO, DW35PFO, and DW36PFO and Black Lake Bayou Tributaries	43.5	0.8	PEM and PFO	VI.B1.a and V.A.2.a	Additional temporary workspace needed (50 ft x 1450 ft) in wetland and crossing waterbodies for fabrication and test pipe for Black Lake Bayou HDD extending east from Black Lake Bayou.
DW29PEM, DW32PFO,	43.5	0.33	PEM and PFO	VI.B1.a and V.A.2.a	Temporary workspace needed (100 ft Wide) in wetland for fabrication and test pipe for Black Lake Bayou HDD extending east from Black Lake Bayou.
DW37PEM	44.0	0.0	PEM	V1B.1.a	ATWS within 50' of Wetland required for crossing installations
Black Lake Bayou Tributary	44.6	n/a	Intermittent	V.A.2.a	ATWS required for State Highway 792 bore crosses waterbody on the downstream side of abandoned railroad
Black Lake Bayou Tributary	46.6	n/a	Intermittent	V.A.2.a	ATWS within 50' of waterbody required for wetland installation
EW74PFO	56.4	0.1	PFO	VI.B1.a	Additional temporary workspace needed in wetland on the east side of State Highway 9 (50 ft x 100 ft) to safely install pipeline at the road crossing
6-Mile Creek Tributary	56.4	n/a	Intermittent	V.A.2.a	Additional temporary workspace needed for wetland within 50' of 6-Mile Creek Tributary

## APPENDIX E2

**TABLE E-2 (continued)**  
**Summary of the Proposed Alternative Measures to Gulf South's Procedures**  
**for the Proposed East Texas to Mississippi Project**

Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
EW78PFO	57.5	0.85	PFO	VI.B1.a	Additional temporary workspace (185' X 200') needed for HDD exit site at Saline Bayou. The drill length is too long to span entire wetland.
EW78PFO, DW87PEM, and DW88PFO and Saline Bayou Tributaries	57.5	3.1	PEM and PFO	VI.B1.a and V.A.2.a.	This additional temporary workspace (75 ft x 1800 ft) is needed in wetland to fabricate and test pipe for Saline Bayou HDD extending east from the HDD exit.
Brush Creek	63.3	n/a	Perennial Waterbody	V.A.2.a	ATWS required for railroad crossing bore crosses waterbody.
EW59PFO	67.7	0.05	PFO	VI.B1.a	Additional temporary workspace needed on West side of Parish Road 757 (25 ft x 100 ft) to safely install the pipeline at the road crossing.
EW59PFO	67.7	0.09	PFO	VI.B1.a	Temporary workspace needed on West side of Parish Road 757 (100 ft Wide) to safely install the pipeline at the road crossing.
EW61PFO	67.7	0.3	PFO	VI.B1.a	Additional temporary workspace needed on East side of Parish Road 757 (75 ft x 200 ft) to safely install the pipeline at the road crossing.
EW61PFO	67.7	0.25	PFO	VI.B1.a	Temporary workspace needed on East side of Parish Road 757 (100 ft Wide) to safely install the pipeline at the road crossing.
Dugdemona River Tributary	71.2	n/a	Intermittent Waterbody	V.A.2.a	ATWS for HDD pull back section crosses waterbody.
Dugdemona River Tributary	73.4	n/a	Intermittent Waterbody	V.A.2.a	ATWS for HDD pull back section crosses waterbodies.
W1BKM003	75.6	0.05	PSS	VI.B.1.a	ATWS within wetland required for crossing of Center Point pipeline
DW116PSS	76.4	0.00	PSS	VI.B.1.a	ATWS within 50' of wetland required for waterbody crossing
Cypress Creek Tributary	97.5	n/a	Intermittent Waterbody	V.A.2.a	Water body crossing on areas of ATWS in side slope
Cypress Creek Tributary	97.5	n/a	Intermittent Waterbody	V.A.2.a	Water body crossing on areas of ATWS in side slope
Cypress Creek Tributary	97.6	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Cypress Creek Tributary	97.8	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope

## APPENDIX E2

**TABLE E-2 (continued)**  
**Summary of the Proposed Alternative Measures to Gulf South's Procedures**  
**for the Proposed East Texas to Mississippi Project**

Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
Cypress Creek Tributary	97.9	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Cypress Creek Tributary	97.9	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Cypress Creek and Cypress Creek Tributaries	98.2 – 98.9	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Walters Creek Tributary	100.1	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Walters Creek Tributary	100.3	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Walters Creek Tributary	100.8	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Walters Creek Tributary	100.8	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Cypress Creek Tributary	101.0	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Cypress Creek Tributary	101.1	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Cypress Creek Tributary	101.1	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Cypress Creek Tributary	101.4	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Gladden Branch Tributary	101.6	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Alligator Brake Tributary	102.9	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Alligator Brake Tributary	103.1	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Claire Branch Tributary	105.0	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Claire Branch Tributary	105.2	n/a	Perennial Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
Claire Branch Tributary	106.0	n/a	Intermittent Waterbody	V.A.2.a	Water body crossings on area of ATWS required for severe side slope
ADP13W	110.0	2.30	PFO	V1.B1.a	Wetland length and proximity of CenterPoint Pipeline requires increased width to safely install 42" pipeline.

## APPENDIX E2

**TABLE E-2 (continued)**  
**Summary of the Proposed Alternative Measures to Gulf South's Procedures**  
**for the Proposed East Texas to Mississippi Project**

Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
YDP20W-YDP30W	112.4	0.2	PFO	VI.B.1.a	Temporary Work Space (100 ft. Wide) required to cross existing pipelines and install facilities.
YDP20W-YDP30W W2365 And Halfway Bayou Tributary	112.4	0.4	PFO	VI.B.1.a V.A.2.a	ATWS and TWS required to cross existing pipelines and install facilities.
W2365	112.4	0.27	PFO	VI.B.1.a	Permanent Access Road Through Wetland required to Access Mainline Valve Setting
1W40PFO	124.1	0.62	PFO	V1.B.a	Temporary Work Space (100 ft. Wide) required in wetland for pipeline installation and crossing of CenterPoint Pipeline
1W40PFO	124.1	0.25	PFO	V1.B.a	ATWS for installation of CenterPoint Pipeline Crossing
1W40PFO IDP46WPFO	124.1	0.08	PFO	V1.B.a	ATWS for installation of CenterPoint Pipeline Crossing
IDP53W IDP51W	125.7	0.0	PFO	VI.B1.a	Temporary workspace needed within 50 ft of wetlands for installation across wetlands
Mose Bayou Tributary	126.5	n/a	Intermittent Waterbody	V.A.2.a	ATWS area within 50 feet of waterbody
PdP4W	127.8	0.0	PFO	VI.B1.a	Temporary workspace needed within 50 ft of wetlands near Cane Bayou.
HDP53W	132.8	0.3	PFO	VI.B.1.a	ATWS and TWS located in wetland to safely install pipeline across Parish Road
HDP53W	132.8	0.14	PFO	VI.B.1.a	Temporary Work Space (100 ft. Wide) located in wetland to safely install pipeline across Parish Road
DP36WPEM Big Creek Tributary	134.2	0.0	PEM	VI.B1.a V.A.2.a	Additional temporary workspace needed (50 ft x 200 ft) within 50 feet of wetland and waterbody on east side of Johnson Road to safely install the pipeline at road crossing
Big Creek Tributary	134.3	n/a	Intermittent Waterbody	V.A.2.a	ATWS area within 50 feet of waterbody
Big Creek Tributary	139.8	n/a	Intermittent Waterbody	V.A.2.a	Pull back ATWS area for HDD crosses waterbody
Big Creek Tributary	140.5	n/a	Intermittent Waterbody	V.A.2.a	ATWS area for road crossing within 50 feet of waterbody

## APPENDIX E2

**TABLE E-2 (continued)**  
**Summary of the Proposed Alternative Measures to Gulf South's Procedures**  
**for the Proposed East Texas to Mississippi Project**

Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
Big Creek Tributary	140.5	n/a	Intermittent Waterbody	V.A.2.a	ATWS area for road crossing within 50 feet of waterbody
Big Creek Tributary	141.1	n/a	Intermittent Waterbody	V.A.2.a	ATWS area for HDD pullback crosses waterbody
Sutt Bayou	153.1	n/a	Perennial Waterbody	V.A.2.a	ATWS area for Sutt Bayou crossing within 50 feet of waterbody
Sutt Bayou Tributary	153.2	n/a	Intermittent Waterbody	V.A.2.a	ATWS staging area within 50 feet of waterbody
Sutt Bayou Tributary	153.3	n/a	Intermittent Waterbody	V.A.2.a	ATWS for road crossing within 50 feet of waterbody
Sutt Bayou Tributary	153.3	n/a	Intermittent Waterbody	V.A.2.a	ATWS for road crossing within 50 feet of waterbody
EW148PEM	153.4	0.0	PEM	V1.B.1.a	ATWS within 50 feet of a wetland
W2354	154.5	0.23	PEM	VI.B.1.a	50X200 ATWS areas located in wetland to provide work space to safely cross wetland
W2354	154.7	0.23	PEM	VI.B.1.a	50X200 ATWS areas located in wetland to provide work space to safely cross wetland
W2354	154.7	0.23	PEM	VI.B.1.a	50X200 ATWS areas located in wetland to provide work space to safely cross wetland
W2354	155.1	0.23	PEM	VI.B.1.a	50X200 ATWS areas located in wetland to provide work space to safely cross wetland
Mothiglam Bayou And Mothiglam Bayou Tributary	163.6	n/a	Perennial Waterbody and Intermittent Waterbody	V.A.2.a	ATWS for HDD entry on Mothiglam Bayou is within 50 feet of Bayou and Tributary to minimize impacts to WRP property east of Bayou
Mothiglam Bayou Tributary	164.0	n/a	Intermittent Waterbody	V.A.2.a	ATWS for HDD Pull Back crosses Tributary
BWPFO004	167.4	0.07	PFO	VI.B.1.a	ATWS for HDD impacts wetland
BWPFO004	167.4	0.12	PFO	VI.B.1.a	Temporary Work Space (100 ft. Wide) in wetland for installation of pipeline.
BWPFO004	167.5	0.02	PFO	VI.B.1.a	ATWS for ROW access impacts wetland
Walnut Bayou	177.5	n/a	Perennial Waterbody	V.A.2.a	ATWS for Contractor Staging Area adjoins field road that is within 50 feet of Walnut Bayou

## APPENDIX E2

**TABLE E-2 (continued)**  
**Summary of the Proposed Alternative Measures to Gulf South's Procedures**  
**for the Proposed East Texas to Mississippi Project**

Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
Mississippi River Tributary	181.5	n/a	Intermittent Waterbody	V.A.2.a	50 X 200 ATWS for Road crossing within 50 feet of waterbody
Mississippi River Tributary	181.5	n/a	Intermittent Waterbody	V.A.2.a	50 X 200 ATWS for Road crossing within 50 feet of waterbody
EEPFO1	182.0	1.2	PFO	VI.B.1.a	Part of the Additional temporary workspace (600-ft x 350-ft) needed for installation of the Levee Crossing falls within the wetlands inside the levee or crosses the waterbody
EEPFO1, FFP2W, DDP7W, DDP5W	182.0	4.61	PFO	VI.B.1.a	Temporary Work Space (100 ft. Wide) in wetlands for installation of pipeline
FFWP1, FFP2W, PSS1	183.0	4.0	PFO PEM	VI.B.1.a	Additional temporary workspace (50-ft x 3,720-ft needed in wetlands on west side of the Mississippi River to safely install the HDD crossing of the Mississippi River.
FFP2W	183.0	0.9	PFO	VI.B.1.a	Additional temporary workspace (200-ft x 200-ft needed in wetlands on west side of the Mississippi River for staging area
FFP2W, DDP7W, DDP5W	183.0	0.75	PFO PEM	VI.B.1.a	Additional temporary workspace (50-ft x 960-ft needed in wetlands on west side of the Mississippi River to safely install the HDD crossing of the Mississippi River.
DDP5W	183.0	0.5	PFO	VI.B.1.a	Additional temporary workspace (160-ft x 200-ft needed in wetlands on west side of the Mississippi River to safely install the HDD crossing of the Mississippi River.
AWPEM204	184.5	0.01	PEM	VI.B.1.a	Additional temporary workspace (50-ft x 100-ft) needed in wetlands on east side of State Highway 61 to safely install the pipeline at the State Highway 61 crossing.
EEPEM3	184.8	0.3	PEM	VI.B.1.a	Additional temporary workspace (75-ft x 200-ft) needed in wetlands on south side of Railroad & Kemp Bottom Road to safely install the pipeline at the Railroad & Kemp Bottom Road crossing.

## APPENDIX E2

**TABLE E-2 (continued)**  
**Summary of the Proposed Alternative Measures to Gulf South's Procedures**  
**for the Proposed East Texas to Mississippi Project**

Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
EEPFO2	184.9	0.2	PFO	VI.B.1.a	ATWS for HDD pull back for Highway 61 located in a wetland
AWPFO202 and Hennesseys Bayou Tributary	185.5	0.0	PFO Intermittent Waterbody	V1.B.1.a V.A.2.a	200' X 200' Wide ATWS for HDD of Highway 61 within 50' of wetland and waterbody
AWPFO202	185.5	0.1	PFO	V1.B.1.a	100' Wide ATWS side slope impacts wetland
Hennesseys Bayou Tributary	185.5 – 186.0	n/a	Intermittent Waterbody	V.A.2.a	100' Wide ATWS for side slope – 6 crossings of Hennesseys Bayou Tributary
Hatcher Bayou Tributary	186.0 – 190.3	n/a	Intermittent Waterbody	V.A.2.a	100' Wide ATWS for side slope – 23 crossings of Hatcher Bayou Tributary
Markham Creek Tributary	193.7 – 194.9	n/a	Intermittent Waterbody	V.A.2.a	50' Wide ATWS for side slope - crosses 8 Markham Creek Tributary Waterbodies
Markham Creek	195.2	n/a	Perennial Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses Markham Creek Waterbody
BWPFO002	196.7	.06	PFO	VI.B.1.a	HDD Entry ATWS for Big Black River impacts wetland
BW601PFO	197.4	0.7	PFO	VI.B.1.a	HDD Exit 160' X 200' ATWS for Big Black River impacts wetland
BW601PFO	197.4	0.8	PFO	VI.B.1.a	50' X 1135" ATWS for HDD Pull Back at Big Black River impacts wetland
BW601PFO	197.4	0.52	PFO	VI.B.1.a	Temporary Work Space (100 ft. Wide) for HDD Pull Back at Big Black River impacts wetland
Elda Hill Creek Tributary	219.7	n/a	Intermittent Waterbody	V.A.2.a	1000' X 75' Wide ATWS for side slope crosses Waterbodies
Elda Hill Creek Tributary	219.8	n/a	Intermittent Waterbody	V.A.2.a	1800' X 50' Wide ATWS for side slope crosses Waterbodies
Elda Hill Creek Tributary	219.9	n/a	Intermittent Waterbody	V.A.2.a	700' X 50' Wide ATWS for side slope crosses Waterbodies
Elda Hill Creek Tributary	221.5	n/a	Intermittent Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses Waterbodies
BWPEM002	227.3	0.03	PEM	VI.B.1.a	HDD entry for crossing of I55 impacts wetland
Chestnut Creek Tributary	228.4	n/a	Intermittent Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses Waterbodies
Chestnut Creek Tributary	232.1	n/a	Intermittent Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses Waterbodies

## APPENDIX E2

**TABLE E-2 (continued)**  
**Summary of the Proposed Alternative Measures to Gulf South's Procedures**  
**for the Proposed East Texas to Mississippi Project**

Affected Wetland/ Facility	Milepost	Affected Area (acres)	Wetland Type/ Identifier	Applicable FERC Procedures Section	Basis for Requested Variance
Pearl River Tributary	233.8 – 234.4	n/a	Intermittent Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses 7 Pearl River Tributary Waterbodies
Pearl River Tributary	234.5 – 234.9	n/a	Intermittent Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses 4 Pearl River Tributary Waterbodies
Pearl River Tributary	234.9	n/a	Perennial Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses Waterbody
Rocky Creek Tributary	235.4 – 237.9	n/a	Intermittent Waterbody	V.A.2.a	50' Wide ATWS for side slope crosses 14 Rocky Creek Tributary Waterbodies