

Western Wake Regional Wastewater Management Facilities

Scoring for Total Environmental Impacts

February 2007

APPENDIX C
 Qualitative Evaluation of Potential WRF Sites

Site No.	Pipeline Wetlands, acres	WRF Wetlands, acres	Total	Score	Pipeline Perennial Streams, No. of Crossings	Score	WRF Perennial Streams, feet	Score	Pipelines Intermittent Streams, No. of Crossings	Score	WRF Intermittent Streams, feet	Score	Pipeline WRC Gamelands, acres	WRF WRC Gamelands, acres	Total	Score
3	25.27	13.91	39.18	5.00	42	5.00	3,850	2.93	43	4.29	13,756	4.98	37.02	0.06	37.08	1.09
11 & 12	12.15	0.00	12.15	1.00	20	1.00	0	1.00	38	3.12	4,819	1.27	40.39	0.00	40.39	1.80
14	15.12	15.32	30.44	3.71	24	1.73	5,083	3.55	30	1.24	13,311	4.79	36.24	19.00	55.24	5.00
22 (NW Route)	15.64	0.00	15.64	1.52	33	3.36	6,167	4.09	42	4.06	4,170	1.00	47.23	0.09	47.32	3.29
22 (SE Route)	17.94	0.00	17.94	1.86	36	3.91	6,167	4.09	46	5.00	4,170	1.00	49.86	0.09	49.95	3.86
25 (NW Route)	16.66	3.70	20.36	2.21	29	2.64	7,970	5.00	30	1.24	12,859	4.61	36.67	0.00	36.67	1.00
25 (SE Route)	17.7	3.70	21.40	2.37	34	3.55	7,970	5.00	38	3.12	12,859	4.61	48.81	0.00	48.81	3.61
26 (NW Route)	16.66	0.00	16.66	1.67	31	3.00	4,945	3.48	34	2.18	11,581	4.08	36.67	0.00	36.67	1.00
26 (SE Route)	17.71	0.00	17.71	1.82	38	4.27	4,945	3.48	40	3.59	11,581	4.08	50.47	0.00	50.47	3.97
28 (NW Route)	17.86	0.28	18.14	1.89	28	2.45	3,271	2.64	29	1.00	13,805	5.00	41.4	0.00	41.4	2.02
28 (SE Route)	16.84	0.28	17.12	1.74	32	3.18	3,271	2.64	34	2.18	13,805	5.00	49.39	0.00	49.39	3.74

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Site No.	Pipelines FEMA Floodplain, acres	WRF FEMA Floodplain, acres	Total	Score	Pipelines Prime Farmland, acres	WRF Prime Farmland, acres	Total	Score	Pipelines Forest Resources, acres	WRF Forest Resources, acres	Total	Score	Score
3	36.86	3.58	40.44	5.00	148.01	115.99	264.00	4.08	200.80	209	410	3.38	35.76
11 & 12	16.37	0.00	16.37	1.00	139.70	136.53	276.23	4.32	172.58	177	350	1.00	15.51
14	19.29	14.14	33.43	3.84	107.29	187.53	294.82	4.69	155.23	234	389	2.56	31.11
22 (NW Route)	23.68	3.83	27.51	2.85	141.42	168.99	310.41	5.00	197.54	221	419	3.73	28.91
22 (SE Route)	26.71	3.83	30.54	3.35	100.71	168.99	269.70	4.20	182.02	221	404	3.12	30.39
25 (NW Route)	20.88	0.00	20.88	1.75	141.84	45.82	187.66	2.57	182.89	221	404	3.14	24.16
25 (SE Route)	22.7	0.00	22.7	2.05	102.51	45.82	148.33	1.80	176.73	221	398	2.90	29.00
26 (NW Route)	20.88	0.29	21.17	1.80	142.05	35.22	177.27	2.37	183.15	215	399	2.93	22.50
26 (SE Route)	22.7	0.29	22.99	2.10	105.98	35.22	141.20	1.66	179.88	215	395	2.80	27.77
28 (NW Route)	22.8	0.02	22.82	2.07	159.28	1.37	160.65	2.04	207.38	244	451	5.00	24.11
28 (SE Route)	24.91	0.02	24.93	2.42	106.63	1.37	108.00	1.00	167.65	244	411	3.44	25.33