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# APPENDIX 5

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EC and SAR Results Used in the Fourchon Maritime Forest Ridge and Marsh  
Restoration: Vegetative Efforts Report



MARCH 22, 2016  
FOURCHON MARITIME FOREST RIDGE AND MARSH RESTORATION  
BTNEP

## EC and SAR Results used in the Fourchon Maritime Forest Ridge and Marsh Restoration: Vegetative Efforts Report

Electrical Conductivity (EC) and Sodium Adsorption Ratio results for soil samples collected off the top of the Far Ridge in Fourchon, Louisiana, between October 2011 and October 2015. All results are from the LSU Agricultural Center's Soil Testing and Wetland Soil Characterization Laboratories, Baton Rouge, Louisiana, (not Manoch Kongchum's results used in his report in Appendix 2) and used for statistical analysis in the Fourchon Maritime Forest Ridge and Marsh Restoration: Vegetative Efforts report.

<b>Sample Date</b>	<b>Sample Site</b>	<b>EC (dS/m)</b>	<b>SAR</b>
Oct-11	FR1	21.12	32.75
Oct-11	FR2	25.12	35.45
Oct-11	FR3	7.08	19.55
Oct-11	FR4	9.70	17.05
Oct-11	FR5	28.26	33.36
Oct-11	FR6	6.50	15.69
Oct-11	FR7	31.44	38.75
Oct-11	FR8	29.80	42.78
Oct-11	FR9	3.19	8.12
Oct-11	FR10	16.16	29.55
Oct-11	FR11	34.46	45.86
Oct-11	FR12	42.00	51.38
Oct-11	FR13	15.60	28.47
Oct-11	FR14	9.76	20.89
Oct-11	FR15	29.28	37.37
<b>Oct-11</b>	<b>Average of all 15</b>	<b>20.63</b>	<b>30.47</b>

<b>Sample Date</b>	<b>Sample Site</b>	<b>EC (dS/m)</b>	<b>SAR</b>
Oct-12	FR1	22.58	34.07
Oct-12	FR2	20.50	33.17
Oct-12	FR3	14.42	28.29
Oct-12	FR4	4.70	11.21
Oct-12	FR5	14.16	21.59
Oct-12	FR6	1.14	4.61
Oct-12	FR7	20.10	26.54
Oct-12	FR8	19.58	27.39
Oct-12	FR9	10.94	19.16
Oct-12	FR10	0.59	3.82
Oct-12	FR11	42.20	45.61
Oct-12	FR12	37.98	44.96
Oct-12	FR13	4.58	7.84
Oct-12	FR14	5.90	20.62
Oct-12	FR15	14.36	28.33
<b>Oct-12</b>	<b>Average of all 15</b>	<b>15.58</b>	<b>23.81</b>
May-13	FR1	22.52	37.79
May-13	FR2	8.38	17.55
May-13	FR3	22.46	32.51
May-13	FR4	3.25	4.02
May-13	FR5	7.76	18.63
May-13	FR6	1.21	3.08
May-13	FR7	17.84	37.55
May-13	FR8	10.94	26.45
May-13	FR9	13.08	21.21
May-13	FR10	35.36	61.34
May-13	FR11	24.42	42.32
May-13	FR12	23.88	44.40
May-13	FR13	0.73	2.17
May-13	FR14	12.24	35.26
May-13	FR15	8.04	18.57
<b>May-13</b>	<b>Average of all 15</b>	<b>14.14</b>	<b>26.86</b>

<b>Sample Date</b>	<b>Sample Site</b>	<b>EC (dS/m)</b>	<b>SAR</b>
Dec-13	FR1	12.82	18.97
Dec-13	FR2	14.40	27.50
Dec-13	FR3	0.93	3.09
Dec-13	FR4	2.98	3.32
Dec-13	FR5	10.60	18.63
Dec-13	FR6	0.86	2.96
Dec-13	FR7	11.40	25.21
Dec-13	FR8	12.00	19.69
Dec-13	FR9	0.60	1.03
Dec-13	FR10	27.82	43.81
Dec-13	FR11	44.52	51.31
Dec-13	FR12	24.02	37.78
Dec-13	FR13	0.72	1.82
Dec-13	FR14	1.45	5.68
Dec-13	FR15	9.58	20.09
<b>Dec-13</b>	<b>Average of all 15</b>	<b>11.65</b>	<b>18.73</b>
May-14	FR1	14.18	18.96
May-14	FR2	15.22	19.59
May-14	FR3	2.02	3.11
May-14	FR4	0.53	0.87
May-14	FR5	10.04	11.94
May-14	FR6	2.51	3.99
May-14	FR7	29.94	29.72
May-14	FR8	9.80	15.44
May-14	FR9	11.48	12.63
May-14	FR10	0.60	1.01
May-14	FR11	31.00	39.38
May-14	FR12	29.66	31.82
May-14	FR13	2.26	8.11
May-14	FR14	0.66	1.38
May-14	FR15	15.42	21.42
<b>May-14</b>	<b>Average of all 15</b>	<b>11.69</b>	<b>14.63</b>

<b>Sample Date</b>	<b>Sample Site</b>	<b>EC (dS/m)</b>	<b>SAR</b>
Oct-14	FR1	9.36	22.87
Oct-14	FR2	9.68	22.68
Oct-14	FR3	30.84	45.40
Oct-14	FR4	0.83	1.09
Oct-14	FR5	11.26	24.35
Oct-14	FR6	3.47	12.86
Oct-14	FR7	8.92	25.17
Oct-14	FR8	15.58	36.63
Oct-14	FR9	1.43	5.99
Oct-14	FR10	20.86	48.64
Oct-14	FR11	29.96	50.81
Oct-14	FR12	25.90	48.03
Oct-14	FR13	1.30	2.87
Oct-14	FR14	20.28	37.88
Oct-14	FR15	12.36	40.51
<b>Oct-14</b>	<b>Average of all 15</b>	<b>13.47</b>	<b>28.39</b>
Oct-15	FR1	8.50	16.90
Oct-15	FR2	5.60	9.40
Oct-15	FR3	23.30	37.40
Oct-15	FR4	2.10	1.70
Oct-15	FR5	8.40	17.20
Oct-15	FR6	0.70	1.20
Oct-15	FR7	14.50	23.00
Oct-15	FR8	7.00	13.20
Oct-15	FR9	6.30	13.00
Oct-15	FR10	12.70	23.70
Oct-15	FR11	36.70	55.70
Oct-15	FR12	17.30	37.30
Oct-15	FR13	0.50	0.90
Oct-15	FR14	11.20	20.20
Oct-15	FR15	5.00	16.50
<b>Oct-15</b>	<b>Average of all 15</b>	<b>10.65</b>	<b>19.15</b>