

Lancaster Air Rail Park

Appendix 20

Wetlands Delineation with Jurisdictional Determination Letter from US Army Corps of Engineers

U.S. Army Corps of Engineers – Charleston District - Regulatory Division

JURISDICTIONAL DETERMINATION REQUEST

For Identifying Waters of the U.S., Including Wetlands and Tributaries

Project Name: Lancaster Airport Park

Date: 4/27/12

County: Lancaster

Total Acreage of Tract: 101.15

Property Owner : Lancaster County

Address: 101 North Main Street

Address: Lancaster, SC 29720

Phone: _____

Email: garyreader@carolina.rr.com

Agent: SUMMIT

Address: 3575 Centre Circle

Address: Fort Mill, SC 29715

Phone: 803-238-1080

Email: mzavislak@summit-companies.com

Information Required to Accompany Request - Check the items submitted - forward as much information as is available. At a minimum, the first two items must be forwarded:

- ☒ Accurate Location Maps (from County Map, USGS Quad Sheet, etc.)
- ☒ Survey Plat or Tax Map of the Property in Question
- ☒ Soil Survey Sheet (from USDA-NRCS) or Aerial Photo (from County Assessor's Office or other source).
Property boundaries should be shown on the soil survey / photo.
- ☐ Topographic Survey
- ☐ Conceptual Site Plan for the Overall Development
- ☐ Description of the proposed use of the property (residential, commercial, industrial, silvicultural, agricultural, etc.)
- ☐ Status of the project (on-going site work for development, development in planning stages, no plans at this time, etc.)

Type of Determination Requested - Choose one:

- ☒ Preliminary – Preliminary determinations will identify whether wetlands or other waters are present on the site and will presume that they are jurisdictional. This type of determination is likely to be made more quickly and require less information be submitted.
- ☐ Approved – Approved determinations will identify whether wetlands or other waters are present on the site and will include a determination of their jurisdictional status. This type of determination is likely to take longer and require more detailed information be submitted.

IMPORTANT NOTE: Legible printed name and signature required. The person signing this form must be the present property owner or have the specific authority of the property owner to authorize Corps of Engineers employees or their agents to enter onto the property for on-site investigations if such is deemed necessary. Do not sign this form unless you are the owner, or have the specific authority of the property owner.

PRINTED NAME of person signing this form, below: Michael Zavislak (as agent for Lancaster County)

Signature of Property Owner or Authorized Agent: _____

HQ and South Branch
69-A Hagood Avenue
Charleston, SC 29403
843-329-8044

Northeast Branch
1949 Industrial Park Rd, Room 140
Conway, SC 29526
843-365-4239

Northwest Branch
1835 Assembly St., Room 865-B1
Columbia, SC 29201
803-253-3444

Copies of this form may be obtained at: http://www.sac.usace.army.mil/assets/pdf/regulatory/permits/request_jurisdictional_determination_form.pdf



Mr. Steve Willis
Lancaster County
101 North Main Street
Lancaster, SC 29720

Subject: **Wetlands Determination**
Lancaster Airport Park
Lancaster, Lancaster County, South Carolina
SUMMIT Project No. C-2396-12

SUMMIT ENGINEERING AND CONSTRUCTION SERVICES, INC. (**SUMMIT**) performed a wetland determination in general accordance with the 1987 US Army Corps of Engineers “Wetland Delineation Manual.” Hydric soils, hydrophytic vegetation and wetland hydrology are present. There are four (4) groundwater seeps on the property that form 4 distinct jurisdictional channels on the site, and one (1) jurisdictional channel that forms a small portion of the boundary of the site. Please find the Wetland Determination forms, figures and site photographs attached.

The rainfall total for April was below average for the month as shown on the following chart (approximately 1.48 inches). According to the WETS Table, the average expected rainfall total for April is 3.34 inches with a range of 2.07 inches to 4.03 inches. The rainfall for April is not within the range of the WETS table. See data below.

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WETS Station : CHESTER 1 E, SC1633           Creation Date: 10/23/2002
Latitude: 3443      Longitude: 08111      Elevation: 530
State FIPS/County(FIPS): 45023      County Name: Chester
Start yr. - 1971      End yr. - 2000

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Temperature (Degrees F.)			Precipitation (Inches)		
				30% chance will have	avg # of avg

Month	avg daily max	avg daily min	avg	avg	less than	more than	days w/.1 or more	total snow fall
January	52.3	30.3	41.3	4.75	3.99	6.14	7	0.6
February	57.4	32.5	45.0	3.77	2.42	5.02	6	1.1
March	65.7	39.5	52.6	4.77	3.33	6.26	7	0.6
April	74.1	46.3	60.2	3.34	2.07	4.03	5	0.0
May	80.5	55.4	68.0	3.33	2.20	3.90	5	0.0
June	87.0	64.1	75.6	4.46	3.11	5.41	6	0.0
July	90.5	68.4	79.4	3.99	2.66	5.16	6	0.0
August	88.6	67.4	78.0	4.60	2.61	5.68	6	0.0
September	83.3	61.1	72.2	4.19	2.20	5.93	4	0.0
October	74.1	48.0	61.0	3.55	1.88	5.03	4	0.0
November	64.7	39.4	52.1	3.61	2.54	4.69	5	0.0
December	55.3	32.5	43.9	3.48	2.28	4.22	6	0.3
Annual	-----	-----	-----	-----	43.29	50.92	--	-----
Average	72.8	48.8	60.8	-----	-----	-----	--	-----
Total	-----	-----	-----	47.86	-----	-----	67	2.7

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
	Beginning and Ending Dates Growing Season Length		
50 percent *	2/28 to 11/23 269 days	3/22 to 11/ 8 230 days	4/ 7 to 10/29 205 days
70 percent *	2/21 to 11/30 283 days	3/16 to 11/14 243 days	3/31 to 11/ 5 218 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1948-2002 prcp

Station : SC1633, CHESTER 1 E
----- Unit = inches

yr jan feb mar apr may jun jul aug sep oct nov dec
annl

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48							2.56	7.28	4.52	1.67	9.52	4.53
30.08												
49	3.57	4.34	1.35	5.06	3.96	3.05	5.30	10.82	4.32	3.75	3.14	2.00
50.66												
50	1.70	1.42	3.43	2.04	3.05	2.75	3.10	3.56	2.37	3.87	1.44	3.00
31.73												
51	1.50	1.84	3.90	2.80	0.37	1.96	4.96	1.62	4.72	0.66	3.04	5.43
32.80												
52	2.56	4.27	7.94	2.91	3.93	2.31	4.33	9.61	3.87	0.58	1.25	3.78
47.34												
53	3.93	5.74	4.30	1.34	4.37	1.39	1.34	4.94	3.48	0.99	1.00	7.30
40.12												
54	7.17	1.06	6.41	4.14	2.47	0.75	3.61	1.30	0.00	1.89	2.32	2.88
34.00												
55	3.62	4.48	1.55	6.53	5.32	3.57	5.88	3.62	1.29	4.22	2.89	0.62
43.59												
56	1.93	6.77	4.58	4.93	1.77	2.54	2.20	2.76	5.33	2.75	1.22	2.56
39.34												
57	3.30	2.99	3.14	4.67	6.19	4.68	0.76	2.07	7.40	2.55	9.51	2.56
49.82												
58	4.78	3.22	3.13	5.54	2.16	2.03	6.51	3.76	0.79	2.55	0.92	3.85
39.24												
59	3.10	3.21	4.62	3.69	3.35	2.82	14.66	13.67	6.60	6.90	1.42	2.33
56.37												
60	6.95	6.67	5.11	2.98	3.17	4.26	4.17	2.90	2.81	3.95	0.72	2.17
45.86												
61	2.89	7.24	5.90	4.56	3.48	4.65	3.96	3.37	0.08	0.40	1.86	5.74
44.13												
62	7.22	3.72	6.20	2.83	0.86	8.46	3.16	3.07	10.88	1.54	3.30	3.35
54.59												
63	3.78	3.62	6.13	3.74	3.04	5.25	4.02	2.27	9.51	0.28	3.86	3.52
49.02												
64	6.47	4.70	7.56	7.03	1.76	1.05	9.92	7.27	2.27	9.43	2.04	5.13
64.63												
65	1.99	2.80	6.86	4.44	1.16	4.82	6.86	2.38	2.93	1.58	3.25	0.74
39.81												
66	4.61	4.79	2.74	2.83	8.10	4.55	2.54	7.40	4.54	3.51	1.22	3.17
50.00												
67	2.30	3.98	2.61	2.06	4.62	3.14	4.41	15.23	2.59	1.06	3.92	4.60
50.52												
68	5.68		3.94	2.08	2.71	4.96	3.36	0.90	4.25	1.97	5.94	3.12
38.91												
69	2.89	4.57	4.10	5.84	3.11	4.14	3.35	8.02	7.01	0.43	0.89	5.51
49.86												
70	2.58	3.05	5.21	2.73	3.93	2.00	1.93	5.71	1.83	6.82	1.73	2.68
40.20												
71	4.48	5.62	7.22	3.72	6.72	2.68	5.52	5.17	4.95	8.42		2.86
57.36												
72		4.58	4.62	2.23	5.54	6.98	2.74	3.18	1.88	1.69	3.96	8.11
45.51												
73	4.55	3.75	6.19	6.54	4.41	12.25	3.74	3.33	3.69	3.26	0.62	4.20
56.53												

*Wetlands Determination, Lancaster Airport Park
Lancaster, Lancaster County, South Carolina*

*SUMMIT Project No. C-2396-12
April 27, 2012*

74	4.83	4.88	2.29	3.19	4.08	3.00	2.60	6.46	3.99	0.20	2.57	5.87
43.96												
75	8.12	4.55	7.93	1.25	6.02	3.92	7.28	2.51	5.28	2.12	2.86	3.87
55.71												
76	2.61	1.35	5.45	1.96	5.65	4.70	3.42	3.23	8.23	5.86	4.37	5.12
51.95												
77	3.57	1.26	8.18	2.61	2.50	3.12	0.53	8.69	6.95	4.87	3.32	2.75
48.35												
78	7.56	0.38	M2.47	2.59	4.35	4.79	2.86	2.44	1.33	1.65	2.48	2.31
35.21												
79	5.55	7.04	4.24	6.44	1.50	6.35	5.50	0.85	5.83	2.68	4.64	1.11
51.73												
80	5.51	0.91M	11.39	2.00	2.23	4.35	1.90	2.31	6.19	3.65	3.65	1.09
45.18												
81M	0.34	4.06	2.12	0.54	2.38	3.78	2.87	4.02	7.08	2.93	0.40	5.37
35.89												
82	7.06	4.93	1.85	M0.32		M4.99	5.55	5.38	1.46	2.88	3.90	3.90
42.22												
83	4.74	5.87	7.04	2.70	1.49	1.36	3.42	2.18	1.09	2.02	4.76	9.51
46.18												
84	5.46	6.67	4.72	4.13	5.40	4.79	6.47	2.53	0.21	1.01	1.39	2.90
45.68												
85	4.05	4.24	0.35	1.21	3.50	3.39	4.27	10.21	0.05	4.44	8.51	1.51
45.73												
86	2.12	0.41	3.21	0.84	4.54	3.38	3.52	14.98	2.33	2.49	4.73	3.65
46.20												
87	6.26	4.46	4.92	1.88	1.28	4.98	4.31	1.94	10.52	0.89	6.08	2.79
50.31												
88	4.04	1.36	3.01	2.66	1.23	4.67	5.95	2.65	5.06	2.32	4.23	0.63
37.81												
89	1.70	4.75	6.24	4.41	5.62	5.19	11.65	4.32	6.10	5.83	2.65	3.77
62.23												
90	3.77	6.72	3.64	2.61	2.42	1.11	3.30	4.19	2.36	12.52	2.29	2.81
47.74												
91	6.77	2.54	7.01	7.01	3.15	5.67	5.22	8.19	2.59	0.08	1.62	3.83
53.68												
92	2.41	3.73	5.11	3.26	3.06	5.24	1.36	9.65	2.73	7.17	7.12	3.05
53.89												
93	6.44	M3.83	8.10	2.21	3.73	1.49	4.48	3.87	2.68	2.63	2.76	2.73
44.95												
94	3.60	3.55	4.55	1.85	1.80	6.15	3.21	4.94	1.43	3.35	4.15	2.93
41.51												
95	5.32	5.00	1.34	1.86	5.07	8.03	0.43	6.35	1.22	6.61	5.12	1.54
47.89												
96	4.91	2.90	4.65	4.97	2.53	3.06	2.46	2.79	1.95	5.34	4.05	5.02
44.63												
97	4.22	4.65	4.26	7.03	1.60	4.48	6.95	0.74	2.75	3.29	4.36	4.40
48.73												
98M	6.23	5.21	3.72	8.04	2.06	3.65	3.10	5.17	8.41	4.27	1.78	3.40
55.04												
99	4.41	M1.79	1.91	3.78	1.43	5.23	3.02	0.53	5.83	2.12	2.70	1.56
34.31												
0	7.22	2.08	3.16	3.44	1.26	1.55	2.18	5.33	11.56	0.00	3.59	1.96
43.33												

1 1.77 1.94 6.49 1.47 2.54 4.48 3.55 0.94 3.77 3.19 1.35 2.06
33.55
2

WETS Station : GREAT FALLS, SC3700 Creation Date: 10/23/2002
Latitude: 3433 Longitude: 08053 Elevation: 360
State FIPS/County(FIPS): 45023 County Name: Chester
Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have		avg # of days w/.1 or more	avg total snow fall
					less than	more than		
January	-----	-----	-----	4.17	3.06	5.32	7	0.1
February	-----	-----	-----	3.44	2.24	4.29	6	0.0
March	-----	-----	-----	4.38	2.82	5.57	7	0.0
April	-----	-----	-----	2.81	1.64	3.62	5	0.0
May	-----	-----	-----	3.01	1.86	3.88	5	0.0
June	-----	-----	-----	4.04	2.69	5.26	6	0.0
July	-----	-----	-----	4.83	3.08	5.67	7	0.0
August	-----	-----	-----	4.50	2.59	5.92	6	0.0
September	-----	-----	-----	3.39	1.91	4.35	4	0.0
October	-----	-----	-----	3.41	1.75	4.97	4	0.0
November	-----	-----	-----	2.97	2.03	3.60	4	0.0
December	-----	-----	-----	2.95	1.62	3.38	5	0.0
Annual	-----	-----	-----	-----	40.79	49.19	--	-----
Average	0.0	0.0	0.0	-----	-----	-----	--	-----
Total	-----	-----	-----	43.89	-----	-----	66	0.1

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
	Beginning and Ending Dates Growing Season Length		
50 percent *	-----	-----	-----

70 percent *

* Percent chance of the growing season occurring between the Beginning
and Ending dates

total 1948-2002 prcp

Station : SC3700, GREAT FALLS

----- Unit = inches

yr	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
annl												
48							4.80	2.52	3.87	2.46	7.79	4.19
25.63												
49	2.70	4.69	1.52	5.53	M2.92	4.20	3.30	8.43	2.40	2.51	2.23	2.22
42.65												
50	1.29	1.49	3.05	1.47	4.81	3.61	4.43	3.97	2.45	3.29	2.42	3.36
35.64												
51	1.66	1.53	3.01	4.51	0.51	2.92	4.95	0.31	4.19	0.30	2.87	M5.00
31.76												
52	1.84	3.69	7.32	3.66	3.05	3.90	2.87	13.89	4.43	0.34	1.67	3.63
50.29												
53	2.20	4.94	4.77	4.20	3.48	2.43	1.78	2.68	6.16	0.07	1.76	7.52
41.99												
54	4.64	2.81	5.28	4.07	1.58	1.62	7.02	2.11	0.00	2.11	1.91	2.33
35.48												
55	3.93	2.91	M1.07	4.78	4.94	1.86	6.37	8.45	2.66	3.05	2.74	0.32
43.08												
56	1.54	5.40	4.08	3.66	2.66	M1.80	6.36	2.83	3.43	1.71	1.00	2.46
36.93												
57	2.58	2.51	4.14	1.72	6.64	1.73	4.00	1.65	5.18	1.39	10.25	2.93
44.72												
58	4.15	3.80	3.78	5.64	4.16	3.38	8.33	7.03	0.56	2.84	0.65	4.35
48.67												
59	2.55	4.23	5.06	3.89	2.05	8.39	12.12	7.24	6.25	4.90	0.49	1.80
58.97												
60	6.37	6.68	4.68	3.47	2.09	5.54	6.52	5.33	2.72	3.05	1.05	2.77
50.27												
61	1.64	6.42	5.82	4.08	2.59	4.31	4.14	2.55	0.31	0.57	1.76	5.06
39.25												
62	6.78	3.36	4.97	2.26	1.89	4.57	3.98	2.39	5.21	0.87	4.22	3.02
43.52												
63	4.56	4.50	4.68	M3.26	3.68	6.53	2.59	1.67	4.97	0.46	4.50	4.13
45.53												
64	5.57	4.85	7.32	4.00	1.54	5.19	8.36	6.85	4.88	8.44	1.69	4.88
63.57												
65	1.66	3.98	6.62	3.42	1.58	5.20	7.28	2.57	3.45	1.41	3.93	0.66
41.76												

*Wetlands Determination, Lancaster Airport Park
Lancaster, Lancaster County, South Carolina*

*SUMMIT Project No. C-2396-12
April 27, 2012*

66	4.92	4.67	2.34	1.82	3.45	1.72	1.89	7.53	4.25	3.69	0.73	2.76
39.77												
67	2.90	3.50	2.75	2.33	4.77	2.29	3.30	6.42	3.61	0.90	3.36	3.18
39.31												
68	6.09	0.86	2.65	2.39	4.26	7.35	10.85	2.89	0.80	2.43	3.94	2.66
47.17												
69	2.73	3.22	4.76	5.29	1.91	5.00	8.34	5.25	6.26	1.91	0.78	3.76
49.21												
70	2.61	2.87	4.94	1.44	4.39	0.99	3.28	4.81	1.50	8.07	0.99	3.27
39.16												
71	4.71	3.37	7.18	3.42	4.08	5.33	7.66	5.74	3.48	5.62	2.01	1.50
54.10												
72	3.92	3.62	3.48	1.30	3.58	5.84	9.86	2.91	3.63	1.85	3.41	6.65
50.05												
73	4.04	4.26	6.26	3.00	3.81	4.38	3.62	3.74	4.97	4.57	0.55	6.64
49.84												
74	3.81	4.36	1.72	5.18	4.19	2.69	6.72	5.23	3.67	0.04	3.65	
41.26												
75	6.40	4.55	6.22	2.96	7.43	3.42	10.16	2.24	4.58	1.28	2.26	4.51
56.01												
76	2.21	1.07	4.63	0.69	4.52	8.61	4.63	4.34	4.52	6.44	3.96	4.25
49.87												
77	2.87	1.54	8.49	1.33	2.04	5.21	2.48	8.28	4.52	7.44	2.58	2.72
49.50												
78	8.59	1.25	4.08	3.57	3.35	5.85	6.27	3.08	0.39	1.36	2.61	1.72
42.12												
79	5.63	4.13	2.87	6.08	5.04	5.13	5.86	4.12	6.87	1.77	3.65	1.39
52.54												
80	4.91	2.03	11.07	1.57	1.35	3.57	1.87	5.35	5.96	2.22	2.97	1.23
44.10												
81	0.50	3.70	2.11	1.04	3.11	2.51	7.41	4.04	2.97	2.38	1.24	7.83
38.84												
82	4.93	5.80	1.66	5.22	6.18	6.76	5.30	3.50	3.00	2.83	3.75	4.45
53.38												
83	3.04	5.33	8.29	3.56	2.04	4.30	1.79	0.70	1.61	1.84	3.65	7.43
43.58												
84	4.47	6.42	5.98	3.42	4.34	4.00	6.68	0.66	1.17	0.62	1.12	1.43
40.31												
85	4.71	5.06	0.52	0.96	4.01	3.12	8.20	10.18	0.35	4.63	8.22	1.04
51.00												
86	1.41	1.08	4.08	0.53	3.16	0.62	1.97	10.94	1.01	3.57	4.55	2.81
35.73												
87	7.82	5.73	3.96	2.46	0.88	4.41	2.71	3.29	5.88	0.83	4.23	2.09
44.29												
88	3.38	1.16	2.31	1.83	2.25	3.66	4.08	6.09	5.34	5.62	2.52	0.55
38.79												
89	2.21	4.76	5.71	5.24	2.92	6.44	6.14	4.96	5.89	5.84	2.53	4.00
56.64												
90	3.36	4.45	2.99	1.95	3.55	2.27	2.76	6.53	1.41	11.05	2.34	2.09
44.75												
91	5.21	2.10	6.34	4.04	6.09	3.64	6.56	5.90	1.07	0.22	1.23	2.32
44.72												
92M1.28	3.56	3.72	3.94	1.98	5.65	M1.29	4.89	M0.89	5.50	6.77	2.53	
42.00												

93	6.57	3.40	5.42	3.30	1.27	0.50	2.83	2.03	1.37	3.04	3.05	3.02
35.80												
94	2.73	2.99	4.01	0.45	2.53	6.63	3.11	7.18	1.51	3.62	3.35	4.63
42.74												
95	3.74	5.50	1.38	0.30	1.69	6.60	2.97	6.67	2.94	4.11	2.70	1.56
40.16												
96	2.99	1.69	4.54	2.24	1.73	0.89	2.51	7.14	5.05	3.04	2.00	2.10
35.92												
97	3.10	M3.20	4.16	3.19	0.97	2.92	9.46	0.37	3.23	M5.29	3.17	M1.06
40.12												
98	7.58	5.32	M4.57	5.72	0.82	1.70	2.44	2.10	7.63	3.84	1.93	2.20
45.85												
99	3.73	M0.67	0.80	3.00	1.08	1.50	2.20	M0.71	2.30	M1.79	1.02	M1.01
19.81												
0M5.25	M1.10	2.76	2.91	0.23	2.93	5.47	1.97	M4.39	0.00	2.19	0.78	
29.98												
1	1.07	1.03	M2.98	1.11	1.64	M4.79	5.46	0.49	5.05	M1.65	M1.17	1.71
28.15												
2												

During the site visit, it was sunny and clear and the temperatures were approximately 75°F.

SUMMIT requests the opportunity to be present during the USACE site visit.

If you have any questions regarding our assessment of the subject property or our conclusions, please do not hesitate to call us at (803) 238-1080.

Sincerely,
SUMMIT



Michael D. Zavislak, NRCC-EAC, CHMM, PE (NC)
Environmental Manager

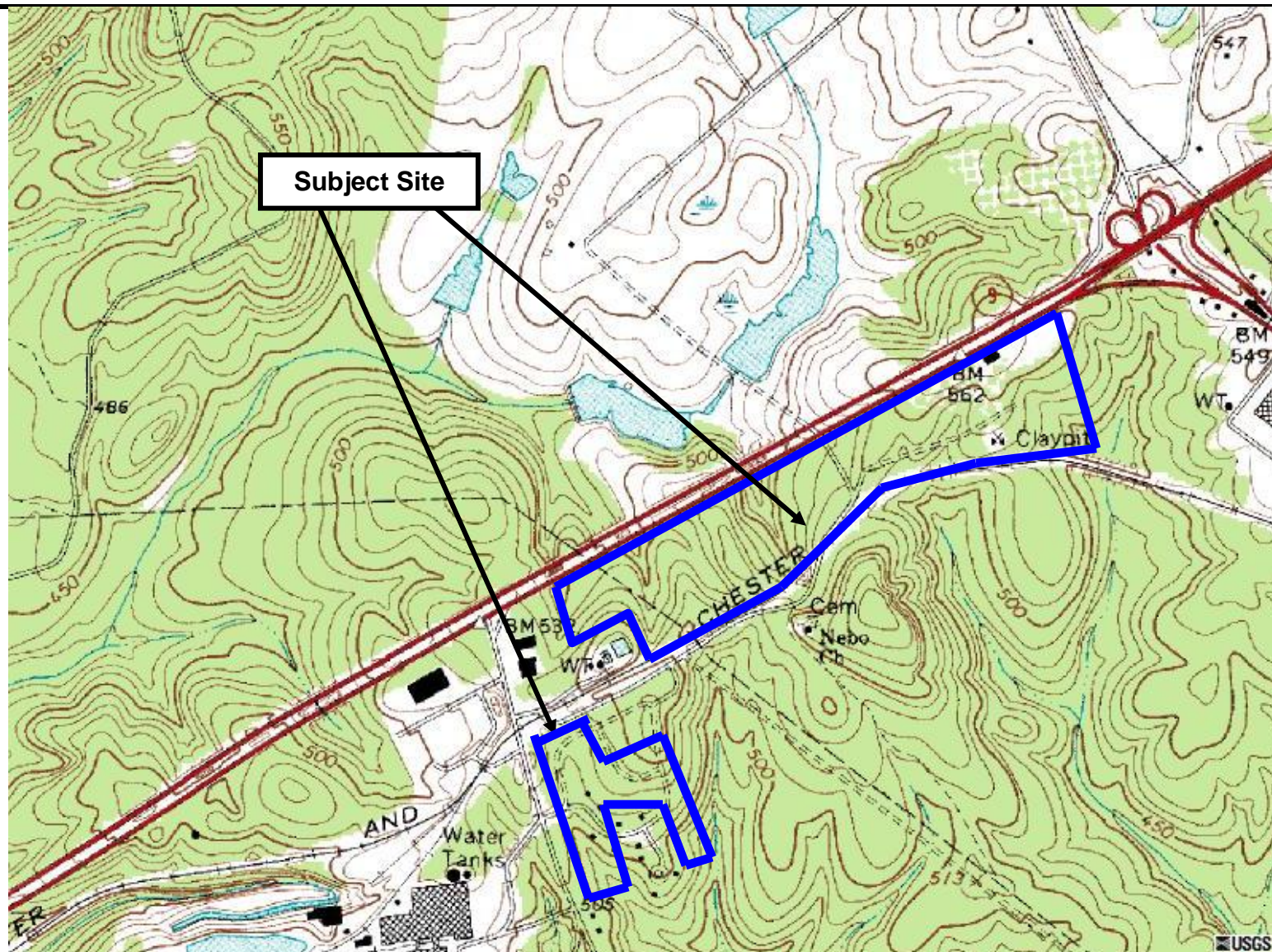


Figure 1
7/1/1969
USGS Topographic Map

Lancaster Airport Park
Lancaster, SC



SUMMIT ECS, Inc.
 Project C-2396-12

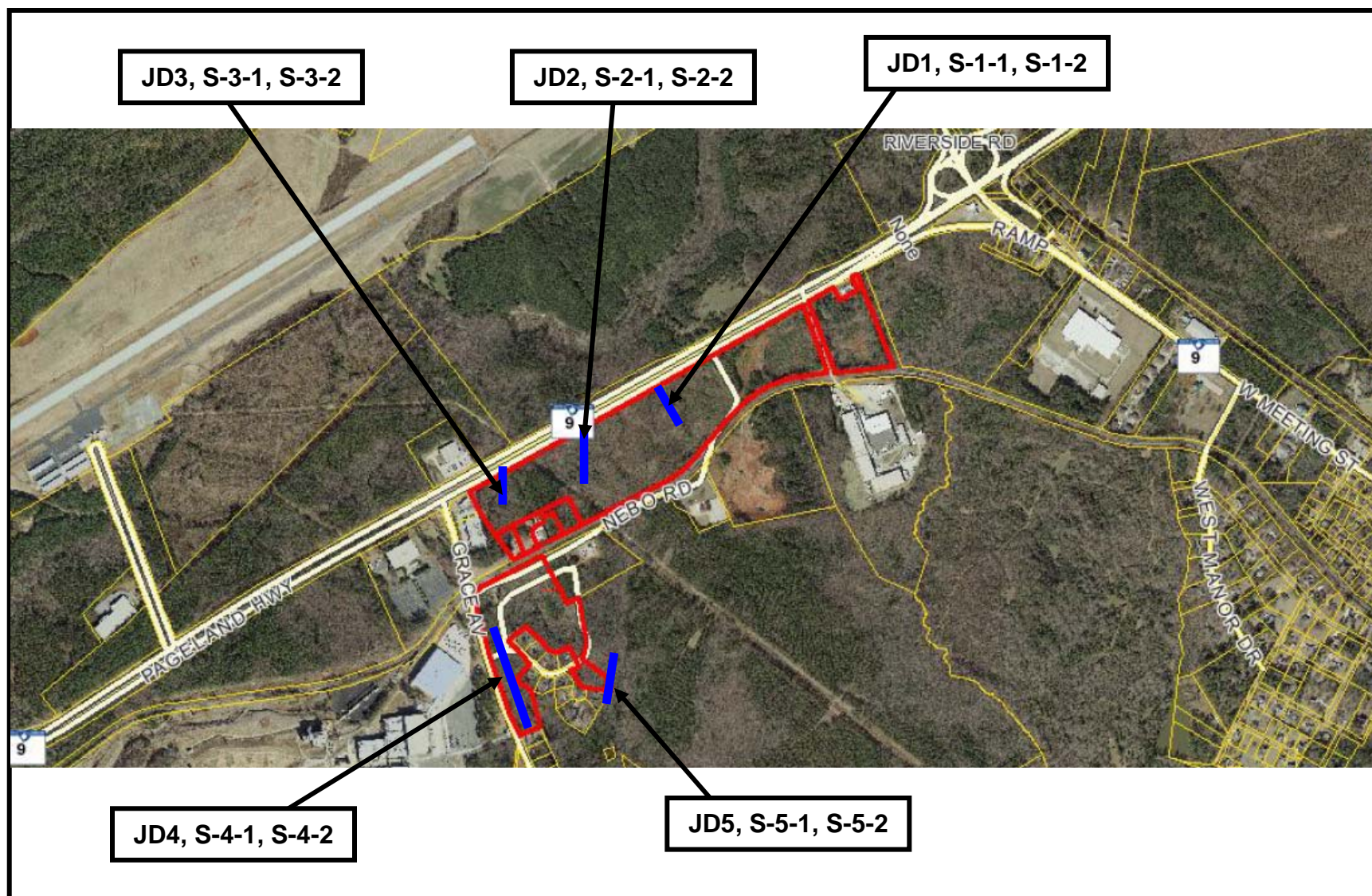


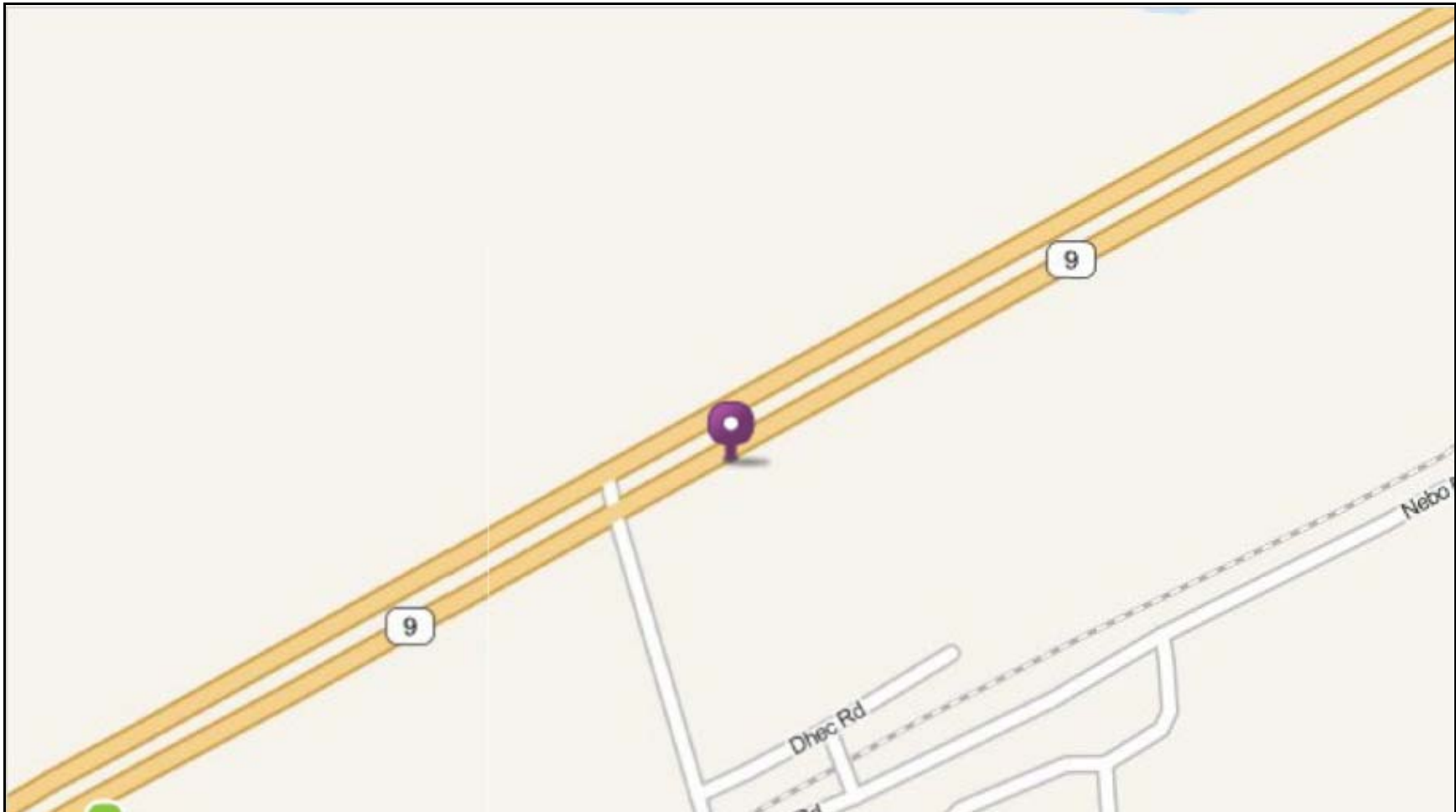
Figure 2
2011
Aerial Photograph

Lancaster Airport Park
Lancaster, SC



SUMMIT ECS, Inc.

Project: C-2396-12



**Figure 3
Site Location Map**

**Lancaster Airport Park
Lancaster, SC**



SUMMIT ECS, Inc.

Project: C-2396-12

SITE PHOTOGRAPHS



Interior of eastern portion of site.



Chester Highway at eastern portion of site, looking east.



Interior of central portion of site.



Nebo Road, south central portion of site, looking north.



Nebo Road, south central portion of site, looking west.



Chester Highway at western portion of site, looking east.



Chester Highway at western portion of site, looking west.



Jurisdictional channel along Chester Highway.



Natural gas transmission station and pipe line near south central portion of site.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: LANCASTER / LANCASTER Sampling Date: 4/17/12
Applicant/Owner: LANCASTER COUNTY State: SC Sampling Point: S-1-1
Investigator(s): M. ZAVESUM Section, Township, Range: _____
Landform (hillslope, terrace, etc.): HILLSLOPE Local relief (concave, convex, none): CONCAVE Slope (%): 5
Subregion (LRR or MLRA): _____ Lat: 34° 43' 10.04" N Long: 80° 50' 22.52" W Datum: _____
Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes _____ No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>	
Remarks:		

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)		<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Aquatic Fauna (B13)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Surface Water Present?	Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____	
Water Table Present?	Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____	
Saturation Present? (includes capillary fringe)	Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: <u>ADJACENT TO GROUNDWATER SODP</u>		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-1-1

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>Sweet Gum</u>		<u>Y</u>	<u>FAC</u>
2.	<u>Poplar</u>			<u>FACW</u>
3.	<u>Longleaf Pine</u>			<u>FAC</u>
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Sapling Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Shrub Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Herb Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
		_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species <u>1</u>	x 2 = <u>2</u>
FAC species <u>2</u>	x 3 = <u>6</u>
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = 8/3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is $\leq 3.0^1$
- ☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☒ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: S-1-1

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: LANCASTER Sampling Date: 4/17/12
 Applicant/Owner: LANCASTER COUNTY State: SC Sampling Point: S-1-2
 Investigator(s): M ZAVESWA Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): HILLSLOPE Local relief (concave, convex, none): CONCAVE Slope (%): 5
 Subregion (LRR or MLRA): _____ Lat: 34° 43' 10.04" N Long: 80° 50' 22.52" W Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ✓ No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>✓</u> No _____	Is the Sampled Area within a Wetland? Yes <u>✓</u> No _____
Hydric Soil Present? Yes <u>✓</u> No _____	
Wetland Hydrology Present? Yes <u>✓</u> No _____	
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input checked="" type="checkbox"/> Surface Water (A1) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13)		<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>✓</u> No _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: <u>GROUND WATER SUBP</u>		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S4-2

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>SWEETGUM</u>		<u>Y</u>	<u>FAC</u>
2.	<u>POPLAR</u>			<u>FACW</u>
3.	<u>LONGLEAF PINE</u>			<u>FAC</u>
4.				
5.				
6.				
7.				
		_____ = Total Cover		

Sapling Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		

Shrub Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		

Herb Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		_____ = Total Cover		

Woody Vine Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.				
2.				
3.				
4.				
5.				
		_____ = Total Cover		

Remarks: (Include photo numbers here or on a separate sheet.)

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of: _____ Multiply by: _____

OBL species _____ x 1 = _____

FACW species 1 x 2 = 2

FAC species 2 x 3 = 6

FACU species _____ x 4 = _____

UPL species _____ x 5 = _____

Column Totals: _____ (A) _____ (B)

Prevalence Index = B/A = 8/3

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0¹

___ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Sampling Point: S-1-a

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: LANCASTER Sampling Date: 4/17/12
 Applicant/Owner: LANCASTER COUNTY State: SC Sampling Point: S-2-1
 Investigator(s): MZAVISKI Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): HILLSLOPE Local relief (concave, convex, none): CONCAVE Slope (%): 5
 Subregion (LRR or MLRA): _____ Lat: 34°43'4.81"N Long: 80°50'31.13"W Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes _____ No _____
Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/>	
Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13)		<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)		Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: <u>ADJACENT TO GROUND WATER SOUP</u>		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-2-1

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>Sweet gum</u>		<u>Y</u>	<u>FAC</u>
2.	<u>Poplar</u>			<u>FACW</u>
3.	<u>Longleaf pine</u>			<u>FAC</u>
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Sapling Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Shrub Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Herb Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
		_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species <u>1</u>	x 2 = <u>2</u>
FAC species <u>2</u>	x 3 = <u>6</u>
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = 8/3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is $\leq 3.0^1$
- ☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: S-2-1

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANC AIRPORT FARM City/County: LANC Sampling Date: 4/17/12
Applicant/Owner: LANCASTER COUNTY State: SC Sampling Point: S-2-2
Investigator(s): EAVERS Section, Township, Range: _____
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): 5
Subregion (LRR or MLRA): _____ Lat: 34° 43' 4.81" N Long: 80° 50' 31.13" W Datum: _____
Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes _____ No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____	
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____	
Remarks:		

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)		<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Aquatic Fauna (B13)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes _____ No _____ Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	
Water Table Present? Yes _____ No _____ Depth (inches): _____		
Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: <u>SEEP</u>		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-2-2

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
1.	<u>SWIFT GUM</u>		<u>Y</u>	<u>FAC</u>	
2.	<u>POPLAR</u>			<u>FACW</u>	
3.	<u>LONGLEAF PINE</u>			<u>FAC</u>	
4.					
5.					
6.					
7.					
					Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species <u>1</u> x 2 = <u>2</u> FAC species <u>2</u> x 3 = <u>6</u> FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = <u>8/3</u>
Sapling Stratum (Plot size: _____)		<td rowspan="2"> Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is $\leq 3.0^1$ <input type="checkbox"/> 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. </td>			Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is $\leq 3.0^1$ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.					
2.					
3.					
4.					
5.					
6.					
7.					
					Definitions of Five Vegetation Strata: Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
Shrub Stratum (Plot size: _____)		<td rowspan="2"> Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ </td>			Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
1.					
2.					
3.					
4.					
5.					
6.					
7.					
Herb Stratum (Plot size: _____)		<td rowspan="2"></td>			
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
Woody Vine Stratum (Plot size: _____)		<td rowspan="2"></td>			
1.					
2.					
3.					
4.					
5.					

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: S-2-2

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: CANC Sampling Date: 4/17/12
 Applicant/Owner: LANCASTER COUNTY State: SC Sampling Point: S-3-1
 Investigator(s): TANESHA Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR or MLRA): _____ Lat: 34° 43' 1.04" N Long: 80° 50' 42.47" W Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes _____ No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>		
Remarks:			

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13)		<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)		Wetland Hydrology Present? Yes _____ No _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: <u>ADJACENT TO SEEP</u>		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-3-1

Tree Stratum (Plot size: _____)			Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>SWIFT GUM</u>			<u>Y</u>	<u>FAC</u>
2.	<u>POPLAR</u>				<u>FACW</u>
3.	<u>LONGLEAF PINE</u>				<u>FAC</u>
4.					
5.					
6.					
7.					
			_____ = Total Cover		
Sapling Stratum (Plot size: _____)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			_____ = Total Cover		
Shrub Stratum (Plot size: _____)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			_____ = Total Cover		
Herb Stratum (Plot size: _____)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
			_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)			Absolute % Cover	Dominant Species?	Indicator Status
1.					
2.					
3.					
4.					
5.					
			_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species <u>1</u>	x 2 = <u>2</u>
FAC species <u>2</u>	x 3 = <u>6</u>
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = 8/3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is $\leq 3.0^1$
- ☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☒ No _____

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: S-3-1

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: LANC Sampling Date: 4/17/12
Applicant/Owner: LANCASTER COUNTY State: SC Sampling Point: S-3-2
Investigator(s): EAVERMAN Section, Township, Range: _____
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
Subregion (LRR or MLRA): _____ Lat: 34°43'10.4"N Long: 80°50'42.47"W Datum: _____
Soil Map Unit Name: _____ NWI classification: _____
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____	
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____	
Remarks:		

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)		<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Aquatic Fauna (B13)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present?	Yes _____ No _____ Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____
Water Table Present?	Yes _____ No _____ Depth (inches): _____	
Saturation Present? (includes capillary fringe)	Yes _____ No _____ Depth (inches): _____	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: <u>SOBP</u>		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-3-2

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>SWOBTGUM</u>		<u>X</u>	<u>FAC</u>
2.	<u>POPLAR</u>			<u>FACW</u>
3.	<u>LONGLEAF PINE</u>			<u>FAC</u>
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Sapling Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Shrub Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Herb Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
		_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of: _____ Multiply by: _____

OBL species _____ x 1 = _____

FACW species 1 x 2 = 2

FAC species 2 x 3 = 6

FACU species _____ x 4 = _____

UPL species _____ x 5 = _____

Column Totals: _____ (A) _____ (B)

Prevalence Index = B/A = 8/3

Hydrophytic Vegetation Indicators:

☐ 1 - Rapid Test for Hydrophytic Vegetation

☐ 2 - Dominance Test is >50%

☐ 3 - Prevalence Index is ≤3.0¹

☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

☐ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: S-3-2

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: LANC Sampling Date: 4/17/12
Applicant/Owner: LANCASTER COUNTY State: SC Sampling Point: S-4-1
Investigator(s): ZANESIAK Section, Township, Range: _____
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
Subregion (LRR or MLRA): _____ Lat: 34° 42' 46.47" N Long: 80° 50' 43.18" W Datum: _____
Soil Map Unit Name: _____ NWI classification: _____
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes _____ No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>		
Remarks:			

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)		<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Aquatic Fauna (B13)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Surface Water Present? Yes _____ No _____ Depth (inches): _____	Water Table Present? Yes _____ No _____ Depth (inches): _____	
Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-4-1

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>SWITCHGRASS</u>			<u>FAC</u>
2.	<u>POPLAR</u>			<u>FACW</u>
3.	<u>LONGLEAF PINE</u>			<u>FAC</u>
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Sapling Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Shrub Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Herb Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
		_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species <u>1</u>	x 2 = <u>2</u>
FAC species <u>2</u>	x 3 = <u>6</u>
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = 8/3

Hydrophytic Vegetation Indicators:

- ☐ 1 - Rapid Test for Hydrophytic Vegetation
- ☐ 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤3.0¹
- ☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: S-4-1

[illegible]

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: LANC Sampling Date: 4/17/12
Applicant/Owner: ZAVISBAH LANC COUNTY State: SC Sampling Point: S-4-2
Investigator(s): ZAVISBAH Section, Township, Range: _____
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
Subregion (LRR or MLRA): _____ Lat: 34°42'46.47"N Long: 80°50'43.18"W Datum: _____
Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		
Remarks:			

HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)		
<input checked="" type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)		<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Aquatic Fauna (B13)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present?	Yes _____ No _____ Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____
Water Table Present?	Yes _____ No _____ Depth (inches): _____	
Saturation Present? (includes capillary fringe)	Yes _____ No _____ Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

SOB

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-4-2

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>SWAMP BUN</u>			<u>FAC</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. <u>POPLAR</u>			<u>FACW</u>	
3. <u>LONGLEAF PINE</u>			<u>FAC</u>	
4. _____				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species <u>1</u> x 2 = <u>2</u> FAC species <u>2</u> x 3 = <u>6</u> FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = <u>8/3</u>
5. _____				
6. _____				
7. _____				
_____ = Total Cover				
Sapling Stratum (Plot size: _____)				
1. _____				
2. _____				Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
_____ = Total Cover				
Shrub Stratum (Plot size: _____)				
1. _____				Definitions of Five Vegetation Strata: Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
2. _____				
3. _____				
4. _____				
5. _____				
_____ = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

Sampling Point: S-4-2

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: LANCASTER AIRPORT PARK City/County: LANC Sampling Date: 4/17/12
 Applicant/Owner: LANC COUNTY State: SC Sampling Point: S-5-1
 Investigator(s): ZAVISUM Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR or MLRA): _____ Lat: 34° 42' 44.48" N Long: 80° 50' 31.91" W Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes _____ No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>		
Remarks:			

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ___ Surface Water (A1) ___ True Aquatic Plants (B14) ___ High Water Table (A2) ___ Hydrogen Sulfide Odor (C1) ___ Saturation (A3) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Water Marks (B1) ___ Presence of Reduced Iron (C4) ___ Sediment Deposits (B2) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Drift Deposits (B3) ___ Thin Muck Surface (C7) ___ Algal Mat or Crust (B4) ___ Other (Explain in Remarks) ___ Iron Deposits (B5) ___ Inundation Visible on Aerial Imagery (B7) ___ Water-Stained Leaves (B9) ___ Aquatic Fauna (B13)		<u>Secondary Indicators (minimum of two required)</u> ___ Surface Soil Cracks (B6) ___ Sparsely Vegetated Concave Surface (B8) ___ Drainage Patterns (B10) ___ Moss Trim Lines (B16) ___ Dry-Season Water Table (C2) ___ Crayfish Burrows (C8) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ Microtopographic Relief (D4) ___ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)		Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION (Five Strata) – Use scientific names of plants.

Sampling Point: S-5-1

Tree Stratum (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>Sweet gum</u>		<u>Y</u>	<u>FAC</u>
2.	<u>Poplar</u>			<u>FACW</u>
3.	<u>Longleaf pine</u>			<u>FAC</u>
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Sapling Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Shrub Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		_____ = Total Cover		
Herb Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
		_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)				
1.				
2.				
3.				
4.				
5.				
		_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species <u>1</u>	x 2 = <u>2</u>
FAC species <u>2</u>	x 3 = <u>6</u>
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = 8/3

Hydrophytic Vegetation Indicators:

☐ 1 - Rapid Test for Hydrophytic Vegetation

☐ 2 - Dominance Test is >50%

☐ 3 - Prevalence Index is ≤3.0¹

☐ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

☐ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

Sampling Point: 9-5-1

Eastern Mountains and Piedmont – Interim Version

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont

Project/Site: CANCASTON ~~WATERPORT PARK~~ City/County: CANC Sampling Date: 4/17/12
 Applicant/Owner: CANC COUNTY State: SC Sampling Point: S-5-2
 Investigator(s): ZAVESUK Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR or MLRA): _____ Lat: 34° 42' 44.48" N Long: 80° 50' 31.91" W Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ☒ No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? NO Are "Normal Circumstances" present? Yes ☒ No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____	
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____	
Remarks:		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13)		<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)		Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		

Remarks:

CHANNEL

VEGETATION (Five Strata) – Use scientific names of plants.

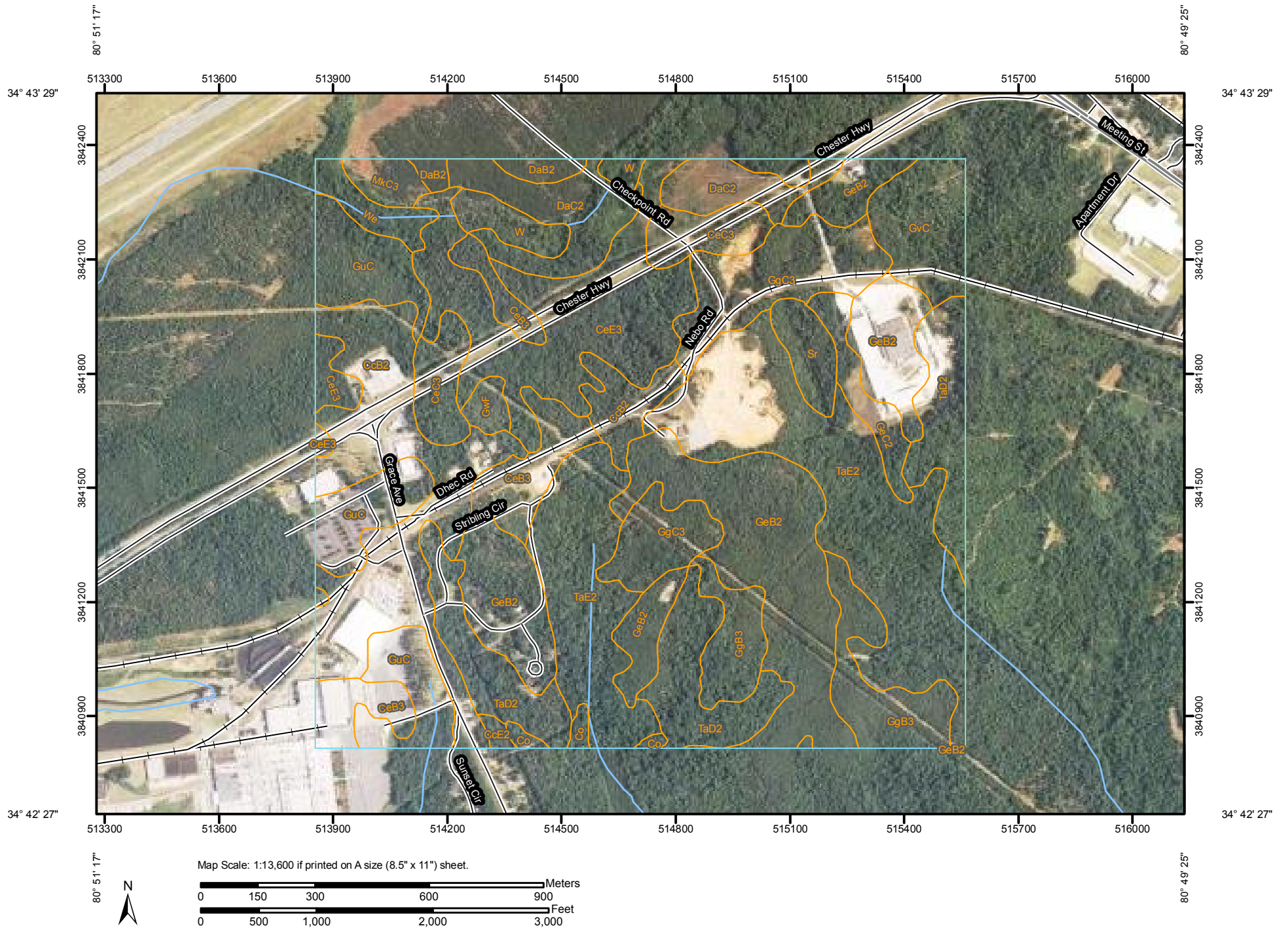
Sampling Point: S-5-2

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>SWIFT GUM</u>			<u>FAC</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. <u>POPLAR</u>			<u>FACW</u>	Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. <u>LONGLEAF PINE</u>			<u>FAC</u>	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species <u>1</u> x 2 = <u>2</u> FAC species <u>2</u> x 3 = <u>6</u> FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = <u>8/3</u>
5. _____				
6. _____				
7. _____				
_____ = Total Cover				Hydrophytic Vegetation Indicators: ___ 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
_____ = Total Cover				
_____ = Total Cover				
_____ = Total Cover				
_____ = Total Cover				Definitions of Five Vegetation Strata: Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
_____ = Total Cover				
_____ = Total Cover				
_____ = Total Cover				
_____ = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
_____ = Total Cover				
_____ = Total Cover				
_____ = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

Sampling Point: S-5-2


Eastern Mountains and Piedmont – Interim Version

Soil Map—Lancaster County, South Carolina



MAP LEGEND






















Area of Interest (AOI)




 Area of Interest (AOI)

Soils




 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

-  Very Stony Spot
-  Wet Spot
-  Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other






Political Features

-  Cities

Water Features

-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:13,600 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 17N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lancaster County, South Carolina
Survey Area Data: Version 14, Oct 5, 2011

Date(s) aerial images were photographed: 6/10/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Lancaster County, South Carolina (SC057)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CcB2	Cecil fine sandy loam, 2 to 6 percent slopes, eroded	69.9	10.7%
CcE2	Cecil fine sandy loam, 15 to 25 percent slopes, eroded	1.2	0.2%
CeB3	Cecil clay loam, 2 to 6 percent slopes, severely eroded	26.8	4.1%
CeC3	Cecil clay loam, 6 to 10 percent slopes, severely eroded	19.6	3.0%
CeE3	Cecil clay loam, 10 to 25 percent slopes, severely eroded	63.0	9.6%
Co	Congaree soils	2.8	0.4%
DaB2	Davidson clay loam, 2 to 6 percent slopes, eroded	4.5	0.7%
DaC2	Davidson clay loam, 6 to 10 percent slopes, eroded	30.8	4.7%
GeB2	Georgeville silt loam, 2 to 6 percent slopes, eroded	100.5	15.3%
GeC2	Georgeville silt loam, 6 to 10 percent slopes, eroded	9.4	1.4%
GgB3	Georgeville silty clay loam, 2 to 6 percent slopes, severely eroded	29.7	4.5%
GgC3	Georgeville silty clay loam, 6 to 10 percent slopes, severely eroded	38.4	5.9%
GuC	Gullied land, Cecil soil material, sloping	41.4	6.3%
GvC	Gullied land, Georgeville soil material, sloping	18.9	2.9%
GwF	Gullied land, Helena soil material, steep	3.4	0.5%
MkC3	Mecklenburg clay loam, 6 to 10 percent slopes, severely eroded	5.2	0.8%
Sr	Starr soils	8.2	1.2%
TaD2	Tatum loam, 10 to 15 percent slopes, eroded	54.8	8.4%
TaE2	Tatum loam, 15 to 25 percent slopes, eroded	110.6	16.9%
W	Water	8.9	1.4%
We	Wehadkee and Chewacla soils	7.0	1.1%
Totals for Area of Interest		655.1	100.0%



U.S. Fish and Wildlife Service

National Wetlands Inventory

May 7, 2012



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks: