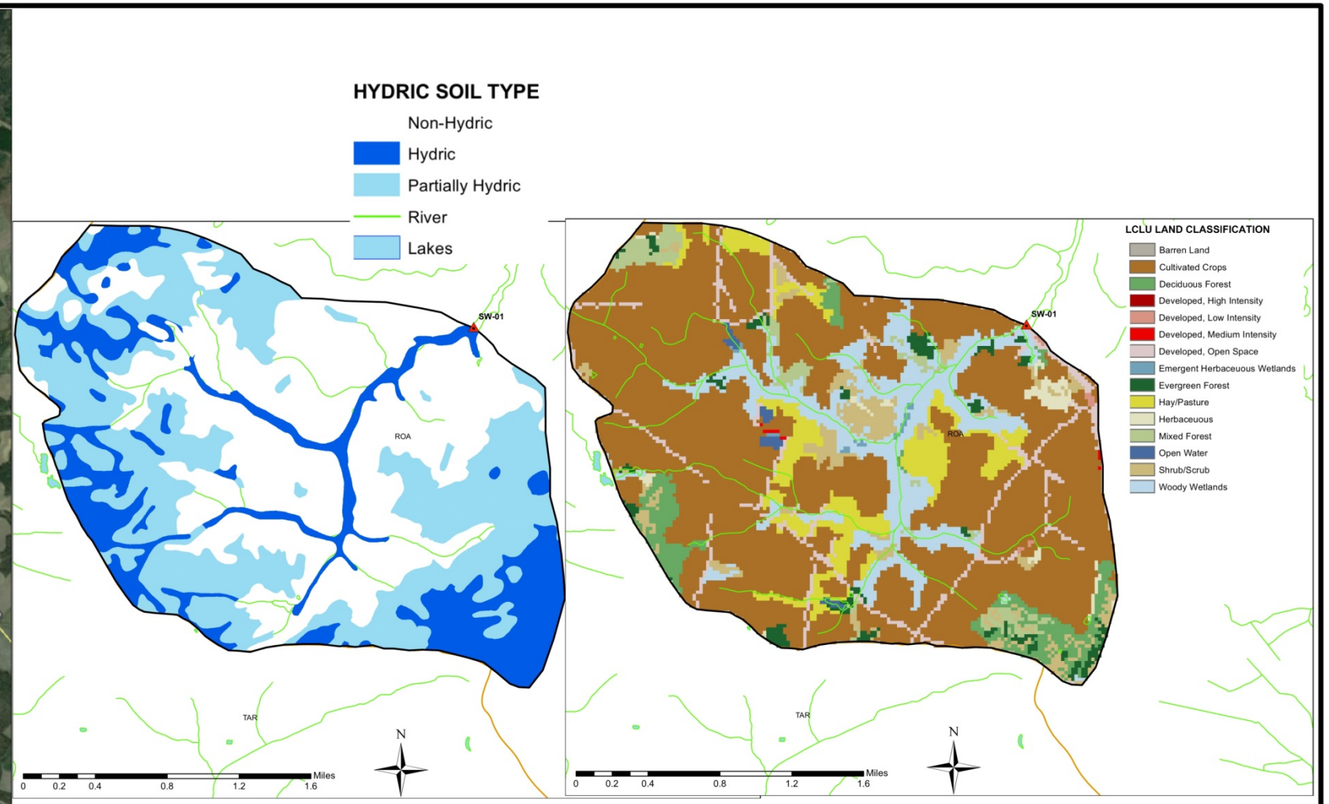
CHARACTERIZATION OF USGS SW-1 DRAINAGE BASIN



IMPORTANT FEATURES:

1. BASIN IS SITUATED BETWEEN TWO STATE HIGHWAYS (903 AND 125)
2. TWO SWINE FARMS ARE PRESENT AT CENTER OF BASIN
3. SAMPLE STATION IS LOCATED AT ROAD CROSSING (TWO GALVANIZED STEEL CULVERTS) WHERE HIGHWAY DRAINS DIRECTLY INTO BASIN
4. LIMITED HYDRIC SOILS BETWEEN FARMS AND SAMPLING LOCATION

DISTRIBUTION OF HYDRIC SOILS

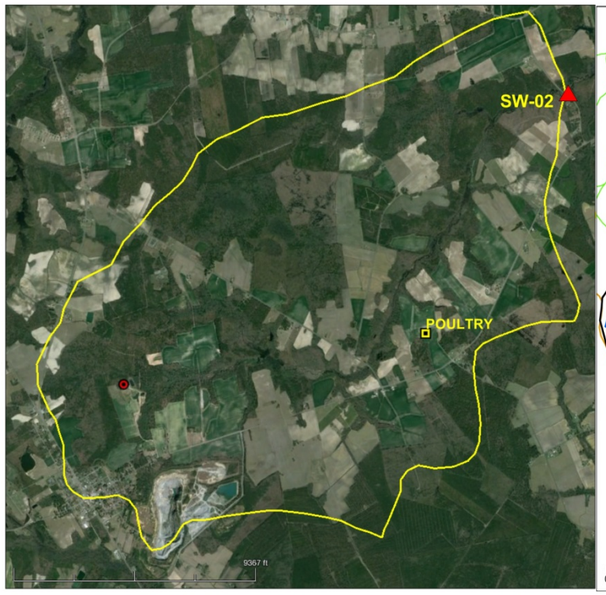
Soil Type	Acres	% Area
Hydric Soils	694	20
Partially Hydric Soils	1266	36
Non-Hydric Soils	1536	44
Total	3496	100

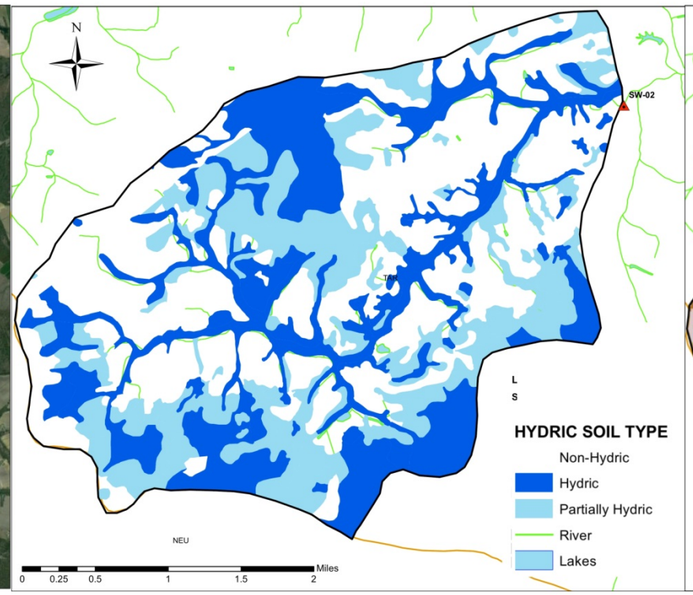
DISTRIBUTION OF LAND COVER

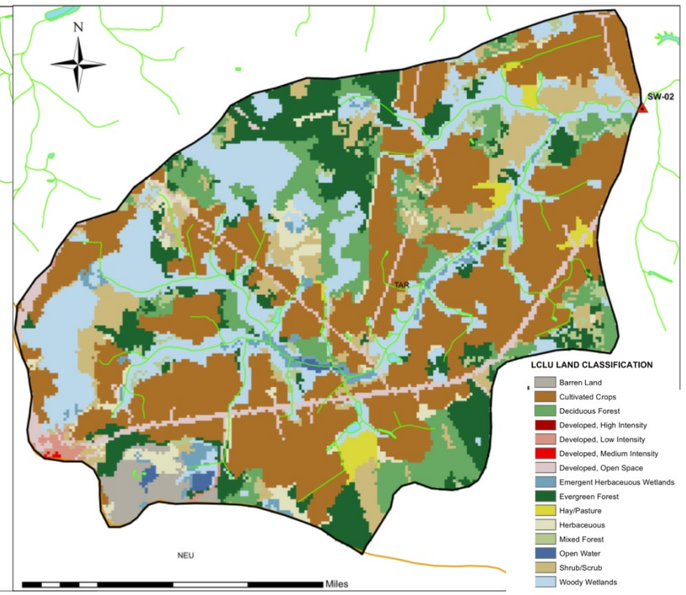
LAND_COVER	% Area
Developed	**4**
Forest	**9**
Shrub/Herbaceous	**6**
Cultivated	**69**
Wetlands	**12**

USGS BASIN SW-1
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-02 DRAINAGE BASIN







IMPORTANT FEATURES:

1. TOWN OF FOUNTAIN IS LOCATED AT THE HEAD OF THE BASIN
2. ONE VERY SMALL SWINE FARM IS PRESENT AT THE HEAD OF THE BASIN AND ONE POULTRY FARM IS LOCATED ON THE EAST CENTRAL SIDE OF BASIN
3. SAMPLE STATION IS LOCATED AT BRIDGE CROSSING WHERE HIGHWAY DRAINS DIRECTLY INTO BASIN
4. LARGE HARD ROCK AGGREGATE MINE IS LOCATED AT THE HEAD OF THE BASIN

DISTRIBUTION OF HYDRIC SOILS

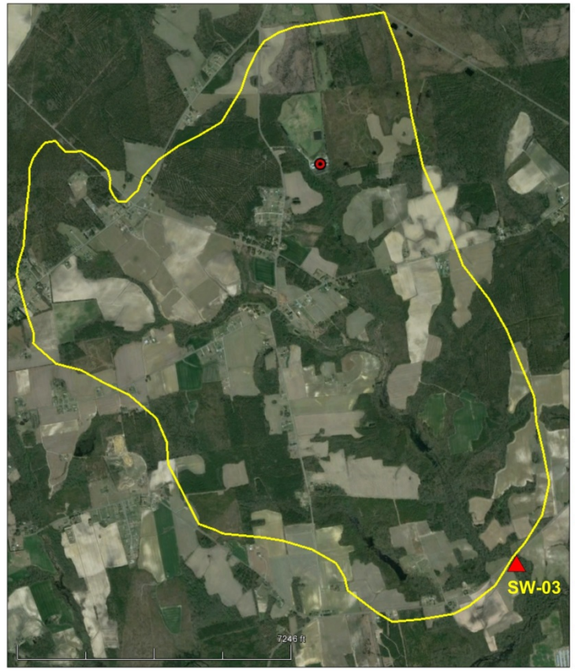
Soil Type	Acres	% Area
Hydric Soils	1,932.74	31.33
Partially Hydric Soils	1,551.12	25.15
Non-Hydric Soils	2,684.18	43.52
Total	6,168.05	100.00

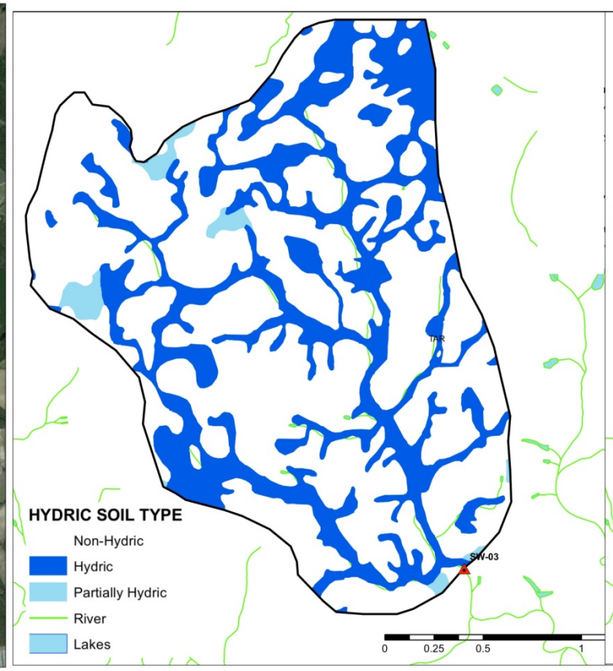
DISTRIBUTION OF LAND COVER

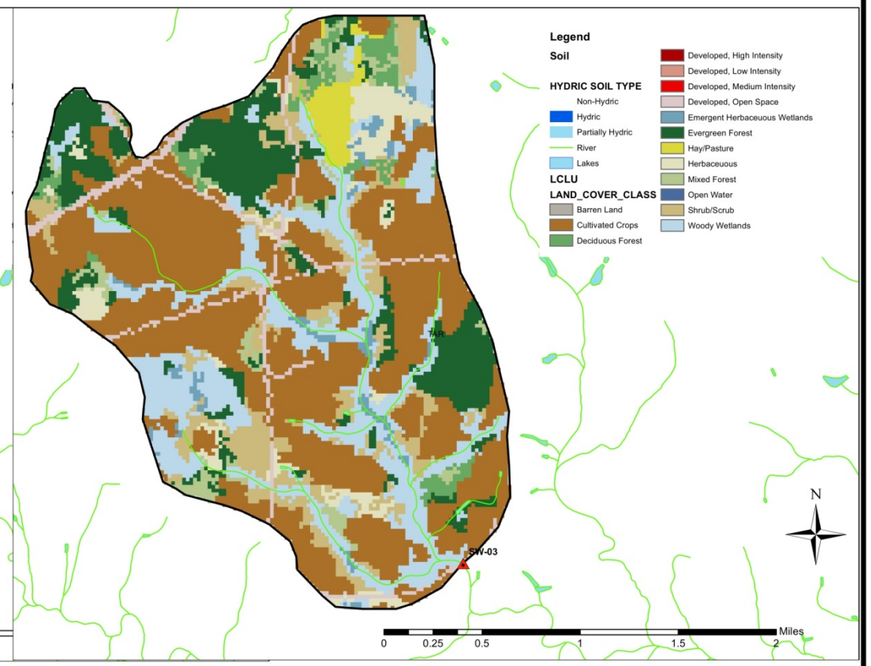
LAND_COVER	% Area
Developed	6
Forest	22
Shrub/Herbaceous	11
Cultivated	39
Wetlands	22

USGS BASIN SW-02
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-03 DRAINAGE BASIN







IMPORTANT FEATURES:

1. NUMEROUS BEAVER DAMS PRESENT IN BASIN
2. ONE VERY SMALL SWINE FARM IS PRESENT AT THE HEAD OF THE BASIN
3. SAMPLE STATION IS LOCATED AT BRIDGE CROSSING WHERE HIGHWAY DRAINS DIRECTLY INTO BASIN

DISTRIBUTION OF HYDRIC SOILS

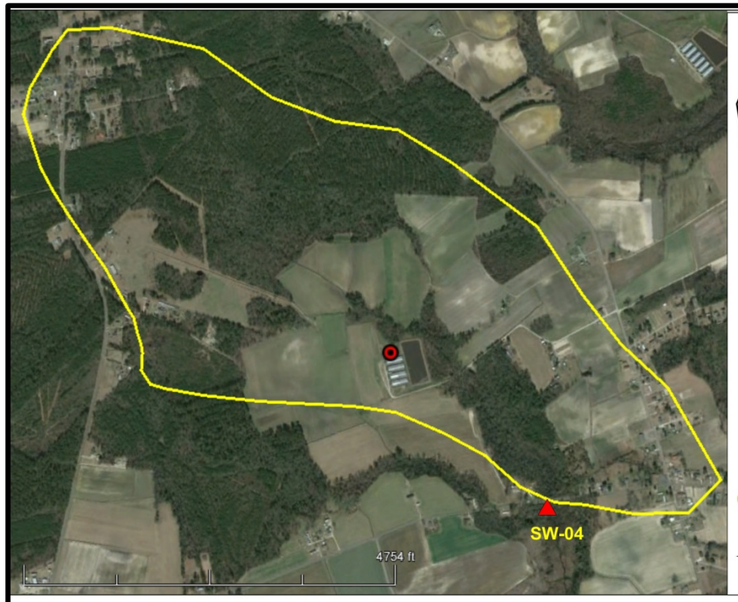
Soil Type	Acres	% Area
Hydric Soils	924.41	30.12
Partially Hydric Soils	59.67	1.94
Non-Hydric Soils	2,085.07	67.94
Total	3,069.15	100.00

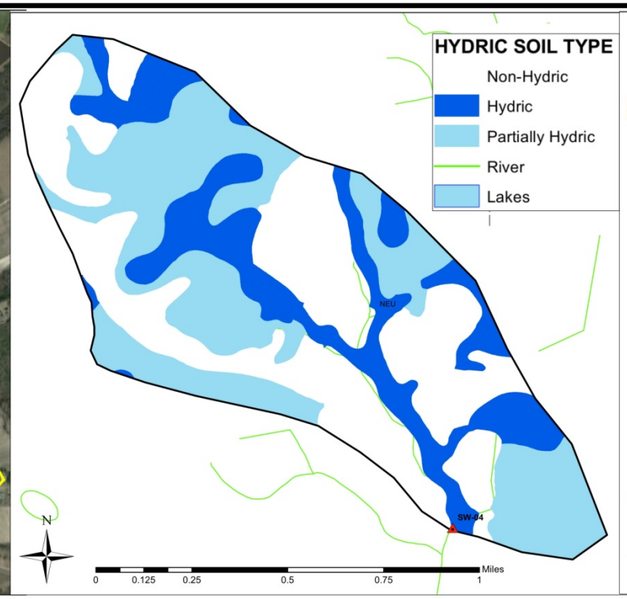
DISTRIBUTION OF LAND COVER

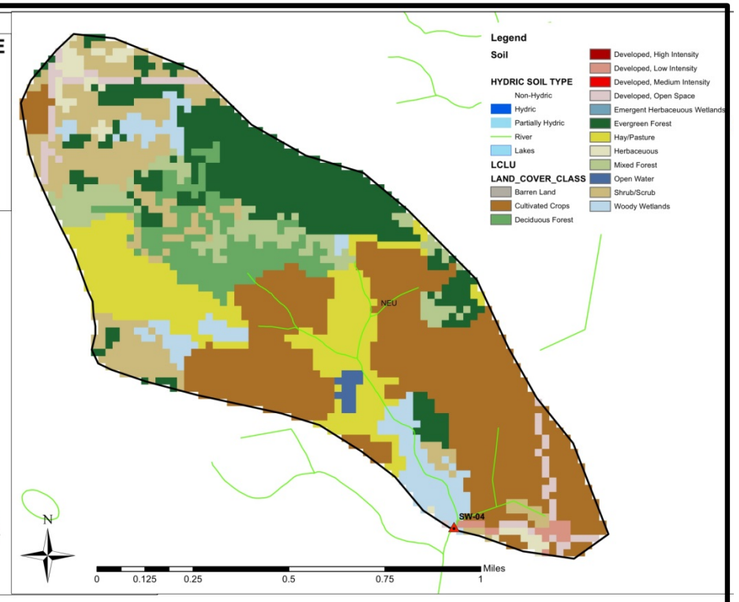
LAND_COVER	% Area
Developed	3
Forest	19
Shrub/Herbaceous	13
Cultivated	45
Wetlands	19

USGS BASIN SW-03
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-04 DRAINAGE BASIN







IMPORTANT FEATURES:

1. NUMEROUS BEAVER DAMS PRESENT IN BASIN
2. ONE SMALL SWINE FARM IS PRESENT AT THE CENTER OF THE BASIN
3. SAMPLE STATION IS LOCATED AT ROAD CROSSING WHERE TWO GALVANIZED STEEL CULVERTS DRAIN BENEATH COUNTY ROAD 1714

DISTRIBUTION OF HYDRIC SOILS

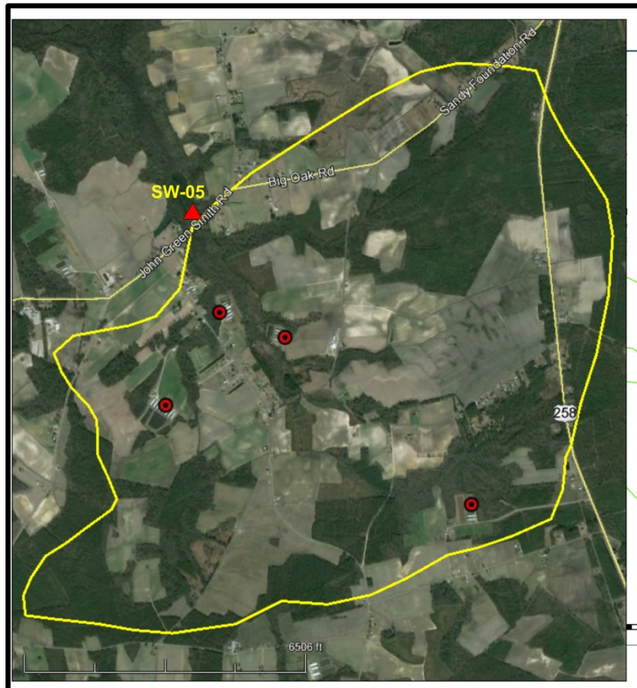
Soil Type	Acres	% Area
Hydric Soils	139.25	22.39
Partially Hydric Soils	227.37	36.56
Non-Hydric Soils	255.33	41.05
Total	621.95	100.00

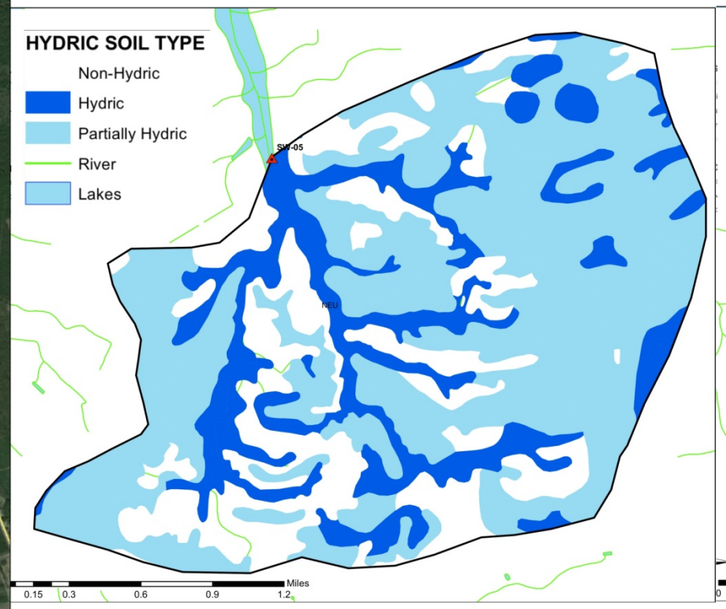
DISTRIBUTION OF LAND COVER

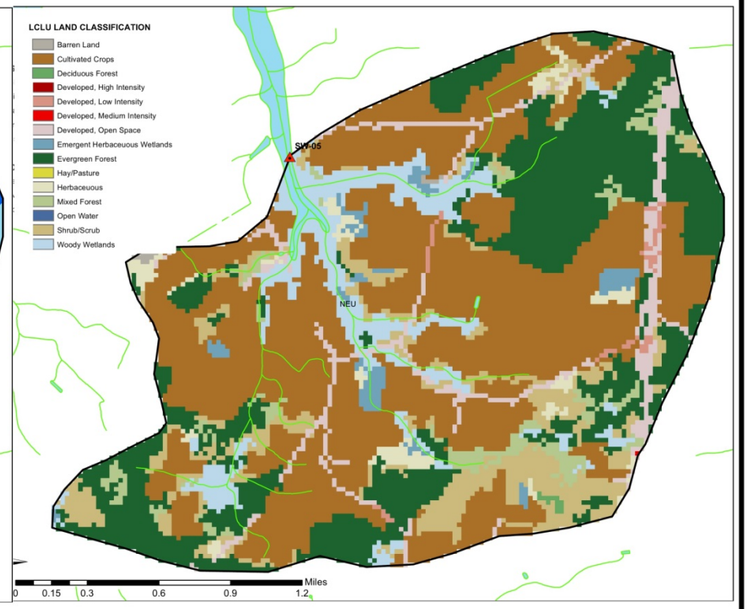
LAND_COVER	% Area
Developed	3
Forest	29
Shrub/Herbaceous	14
Cultivated	46
Wetlands	7

USGS BASIN SW-04
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-05 DRAINAGE BASIN







IMPORTANT FEATURES:

1. FOUR SWINE FARMS ARE PRESENT IN THE BASIN
2. SAMPLE STATION IS LOCATED AT ROAD CROSSING WHERE TWO GALVANIZED STEEL CULVERTS DRAIN BENEATH JOHN GREEN SMITH ROAD

DISTRIBUTION OF HYDRIC SOILS

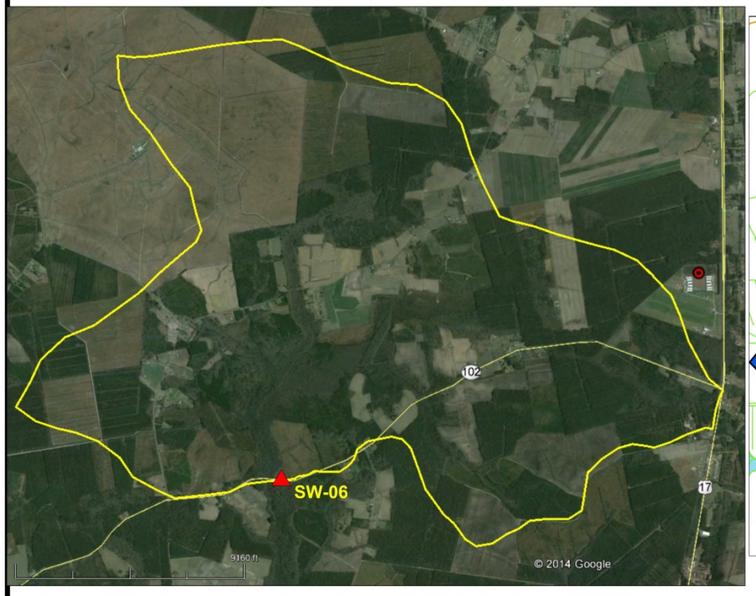
Soil Type	Acres	% Area
Hydric Soils	550.62	20.69
Partially Hydric Soils	1,526.47	57.35
Non-Hydric Soils	584.69	21.97
Total	2,661.79	100.00

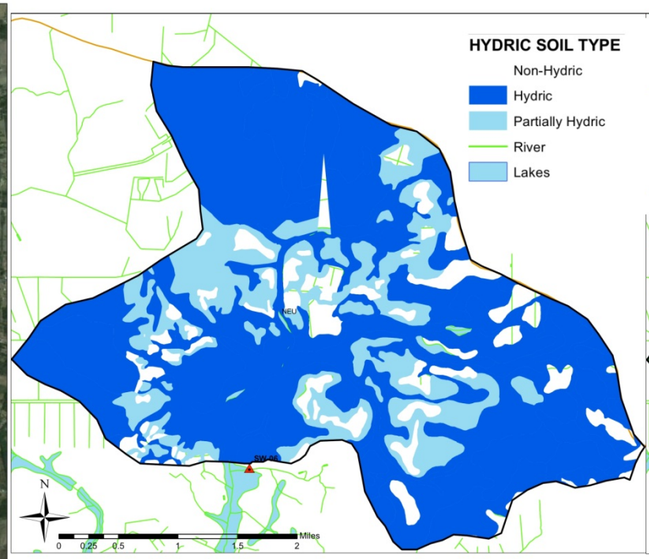
DISTRIBUTION OF LAND COVER

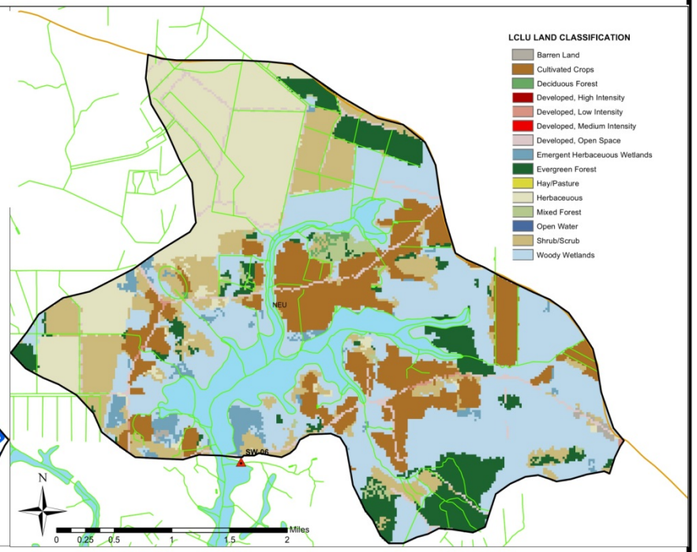
LAND_COVER	% Area
Developed	5
Forest	28
Shrub/Herbaceous	12
Cultivated	46
Wetlands	9

USGS BASIN SW-05
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-06 DRAINAGE BASIN







IMPORTANT FEATURES:

1. NO SWINE FARMS ARE PRESENT IN THE BASIN
2. SWINE FIELD APPLICATION MAY TAKE PLACE NEAR THE EXTREME EASTERN BASIN BOUNDARY
3. LARGE RADIO TRANSMITTER COMPLEX LOCATED ON THE WESTERN PORTION OF BASIN
4. SAMPLE STATION IS LOCATED AT ROAD CROSSING WHERE BRIDGE CROSSES DRAINAGE

DISTRIBUTION OF HYDRIC SOILS

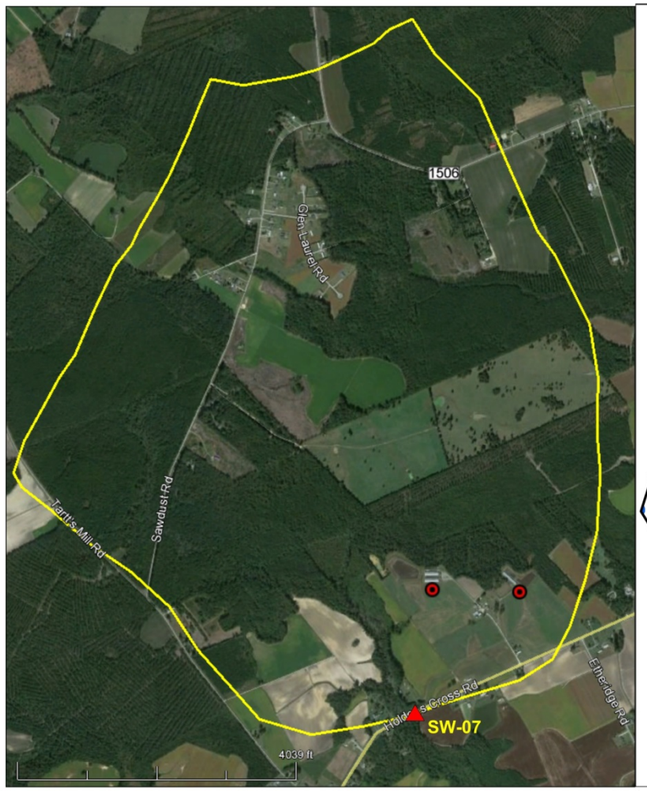
Soil Type	Acres	% Area
Hydric Soils	5,200.99	70.54
Partially Hydric Soils	1,399.36	18.98
Non-Hydric Soils	773.17	10.49
Total	7,373.52	100.00

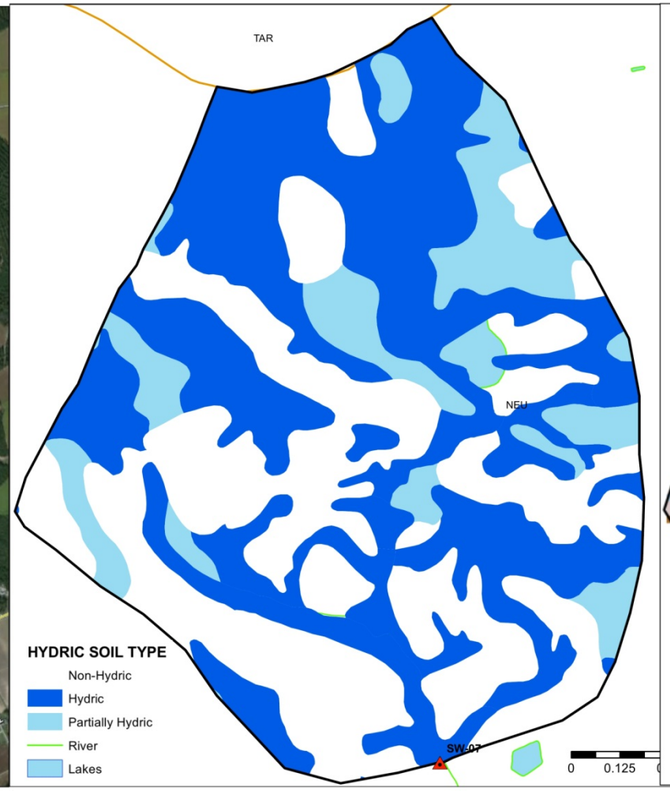
DISTRIBUTION OF LAND COVER

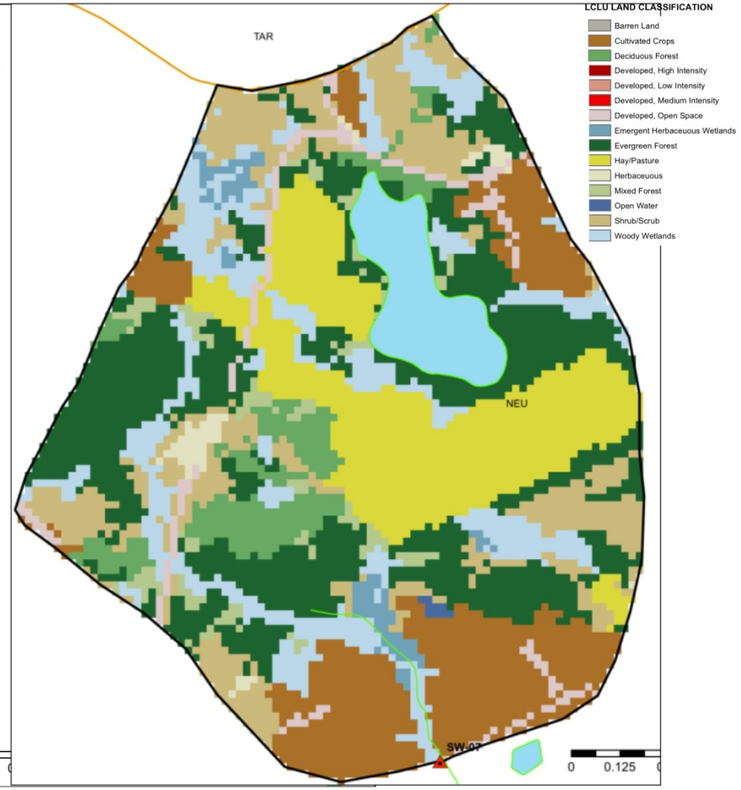
LAND_COVER	% Area
Developed	4
Forest	10
Shrub/Herbaceous	29
Cultivated	14
Wetlands	44

USGS BASIN SW-06
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-07 DRAINAGE BASIN







IMPORTANT FEATURES:

1. TWO SMALL SWINE FARMS ARE PRESENT AT THE EXTREME SOUTH END OF BASIN WITHIN 200 FT OF SAMPLE POINT
2. SAMPLE STATION IS LOCATED AT HOLDENS CROSSROAD WHERE DRAINAGE DITCH FROM FARM APPLICATION FIELD ENTERS CREEK

DISTRIBUTION OF HYDRIC SOILS

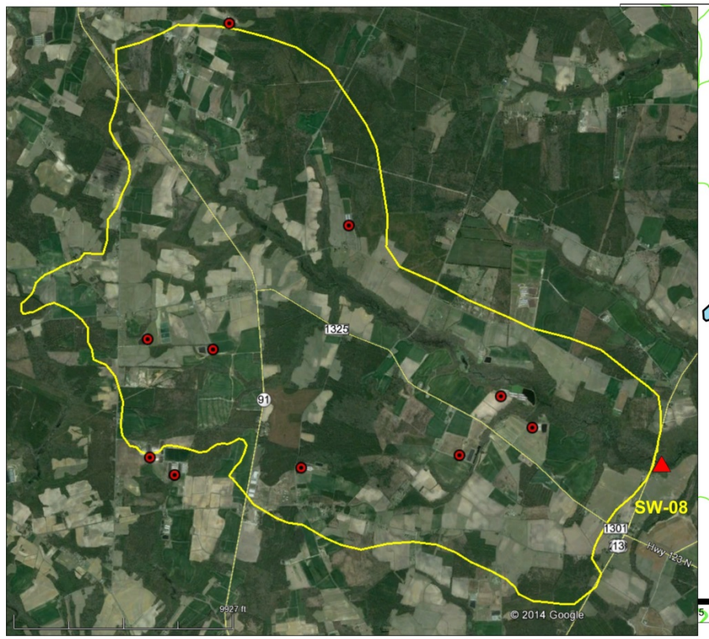
Soil Type	Acres	% Area
Hydric Soils	629.97	46.58
Partially Hydric Soils	184.36	13.63
Non-Hydric Soils	538.06	39.79
Total	1,352.39	100.00

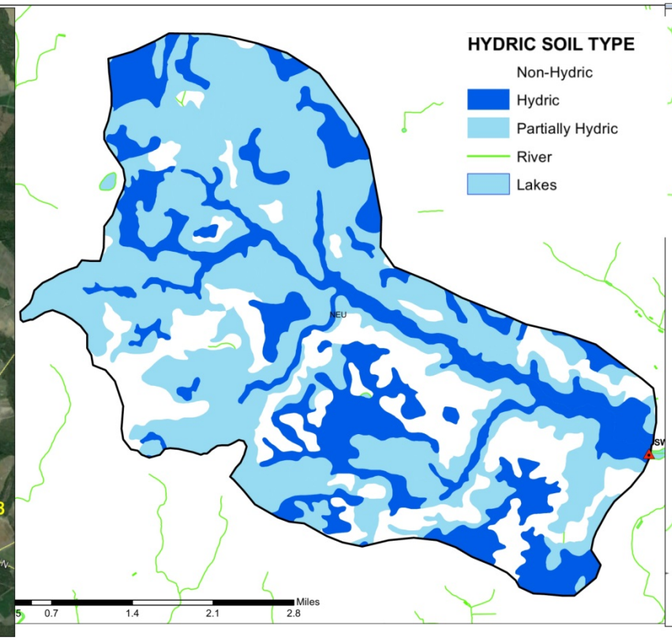
DISTRIBUTION OF LAND COVER

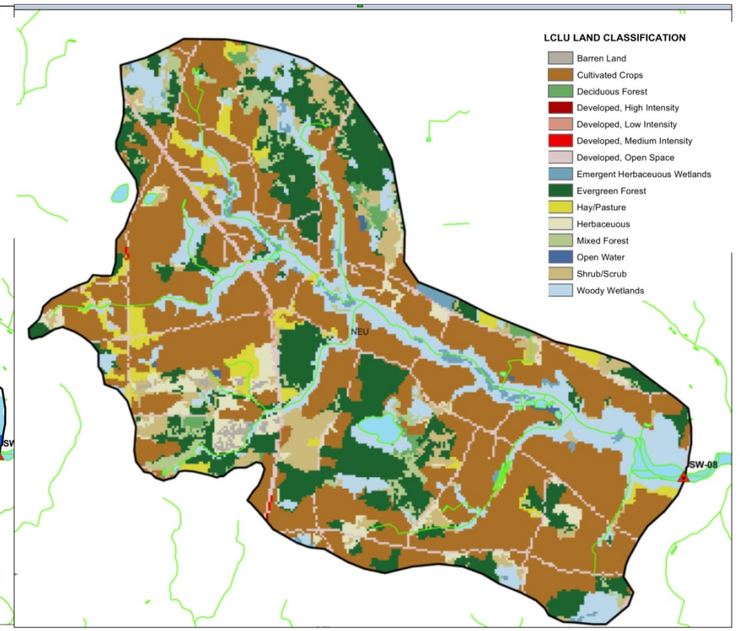
LAND_COVER	% Area
Developed	3
Forest	37
Shrub/Herbaceous	15
Cultivated	31
Wetlands	14

USGS BASIN SW-07
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-08 DRAINAGE BASIN







IMPORTANT FEATURES:

1. TEN SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT TWO GALVANIZED STEEL CULVERTS WHERE ROAD DITCHES DISCHARGE
3. MANY OTHER ABANDONDED FARM OPERATIONS ARE EVIDENT, SOME ABANDONED WITH EVIDENCE OF PETROLEUM SURFACE SPILLS.

DISTRIBUTION OF HYDRIC SOILS

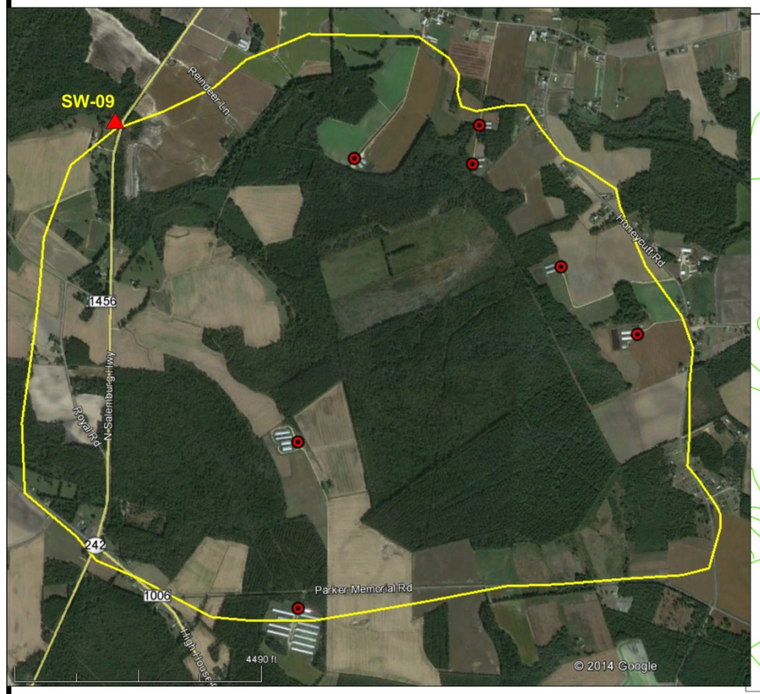
Soil Type	Acres	% Area
Hydric Soils	2,423.13	27.57
Partially Hydric Soils	4,544.77	51.71
Non-Hydric Soils	1,821.40	20.72
Total	8,789.31	100.00

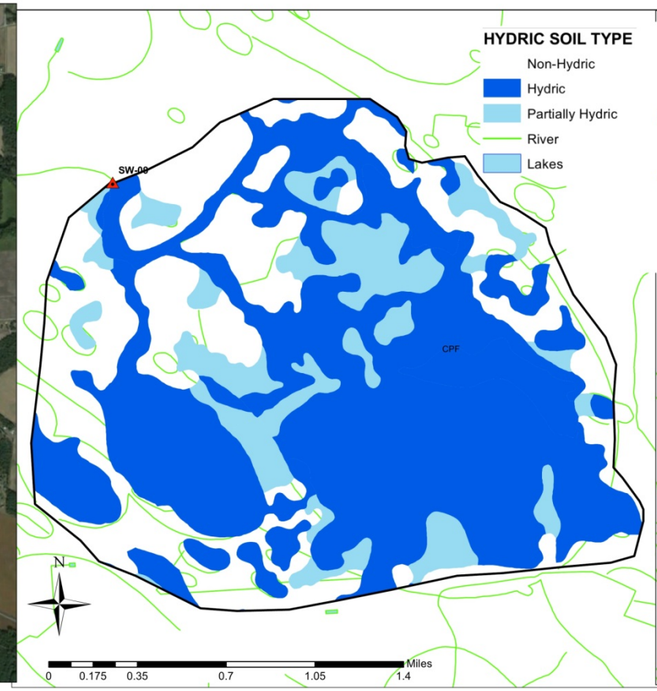
DISTRIBUTION OF LAND COVER

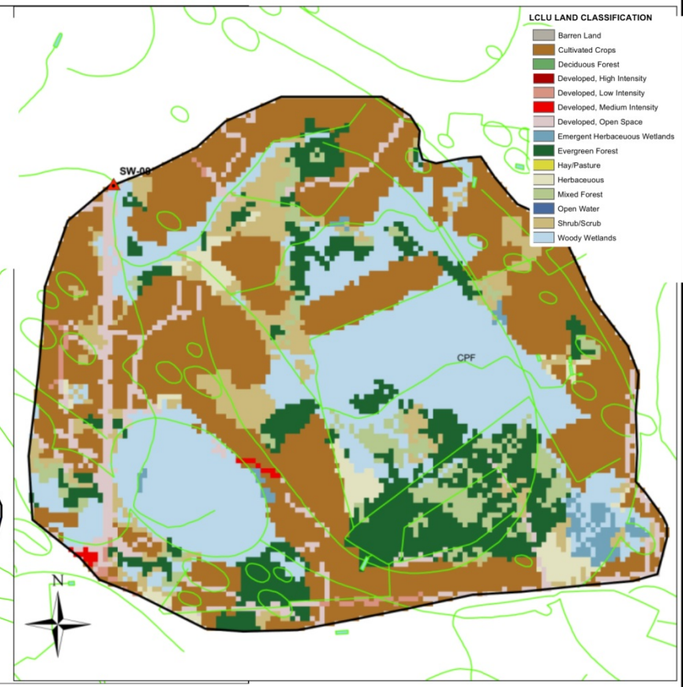
LAND_COVER	% Area
Developed	5
Forest	19
Shrub/Herbaceous	9
Cultivated	49
Wetlands	17

USGS BASIN SW-08
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-08 DRAINAGE BASIN







IMPORTANT FEATURES:

1. SEVEN SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT CULVERT CROSSING STATE GALVANIZED
   STEEL CULVERTS WHERE ROAD DITCHES DISCHARGE
3. MANY OTHER ABANDONDED FARM OPERATIONS ARE EVIDENT, SOME ABANDONED WITH EVIDENCE OF PETROLEUM SURFACE SPILLS.

DISTRIBUTION OF HYDRIC SOILS

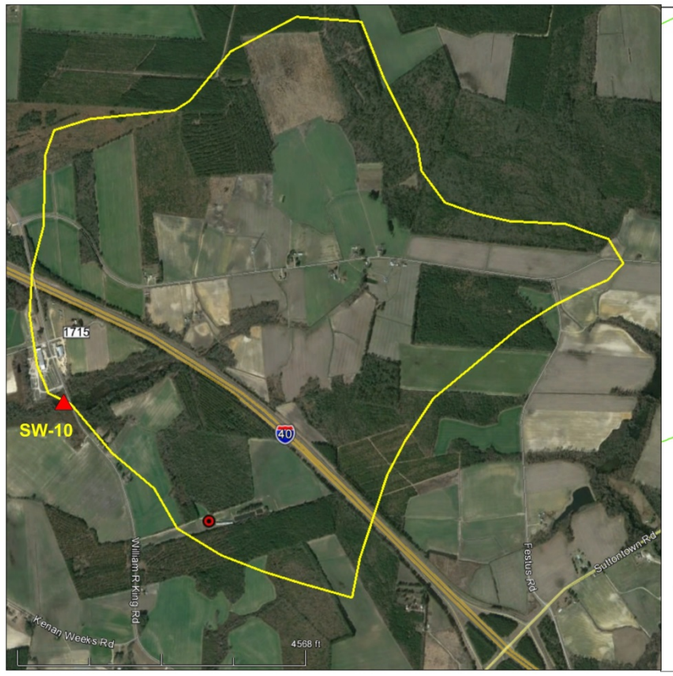
Soil Type	Acres	% Area
Hydric Soils	1,306.10	55.40
Partially Hydric Soils	322.42	13.68
Non-Hydric Soils	728.89	30.92
Total	2,357.41	100.00
Soil Type	Acres	% Area

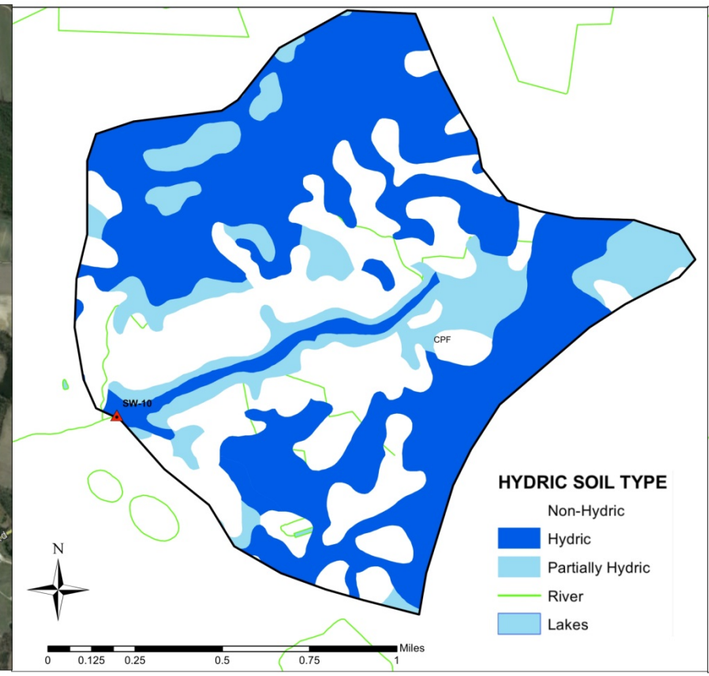
DISTRIBUTION OF LAND COVER

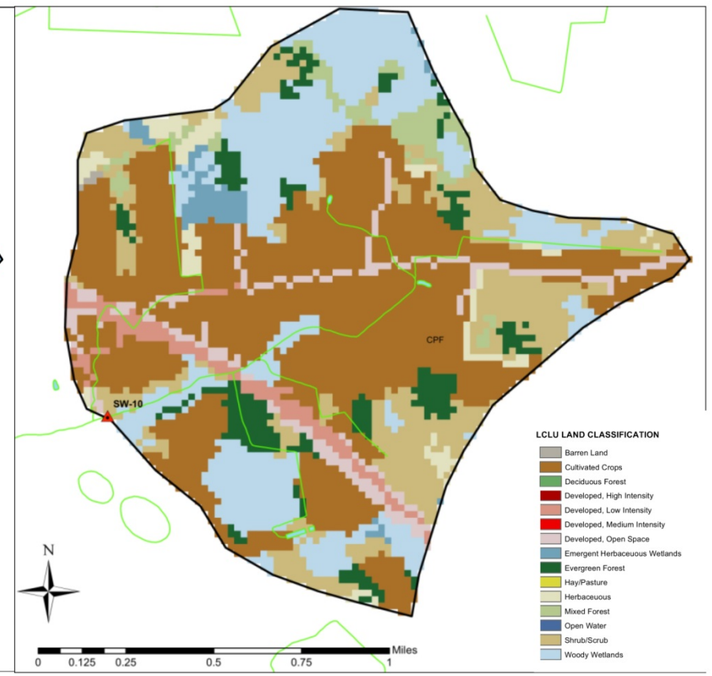
LAND_COVER	% Area
Developed	6
Forest	17
Shrub/Herbaceous	10
Cultivated	39
Wetlands	27

USGS BASIN SW-08
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-10 DRAINAGE BASIN







IMPORTANT FEATURES:

1. ONE SWINE FARM IS PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT WILLIAM R KING ROAD CROSSING
3. TMS - A TRANSFORMER MAINTENANCE FACILITY, IS LOCATED IN THE WESTERN CORNER OF THE BASIN; SURFACE RUNOFF DISCHARGES DIRECTLY TO THE USGS SAMPLING POINT

DISTRIBUTION OF HYDRIC SOILS

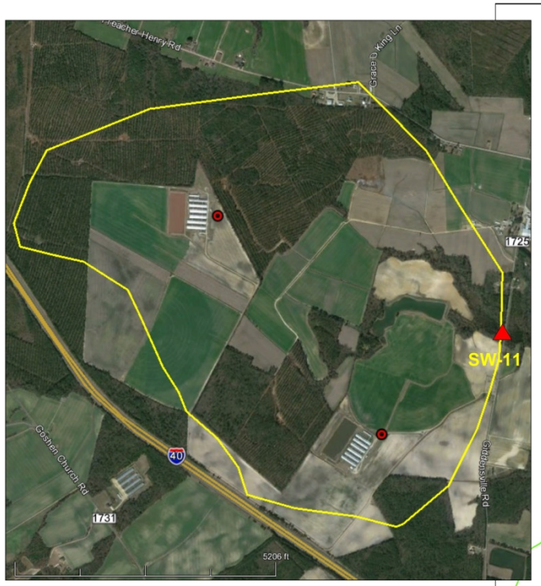
Soil Type	Acres	% Area
Hydric Soils	543.85	50.40
Partially Hydric Soils	173.27	16.06
Non-Hydric Soils	361.96	33.54
Total	1,079.08	100.00

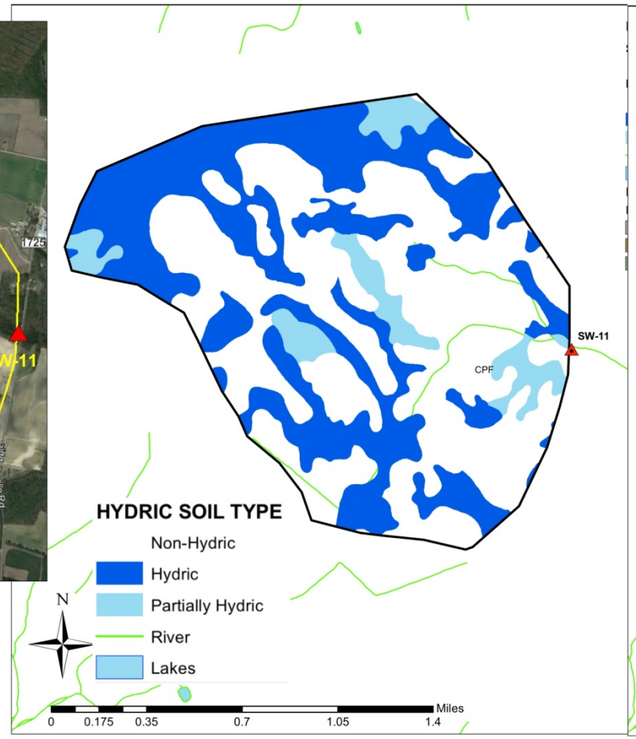
DISTRIBUTION OF LAND COVER

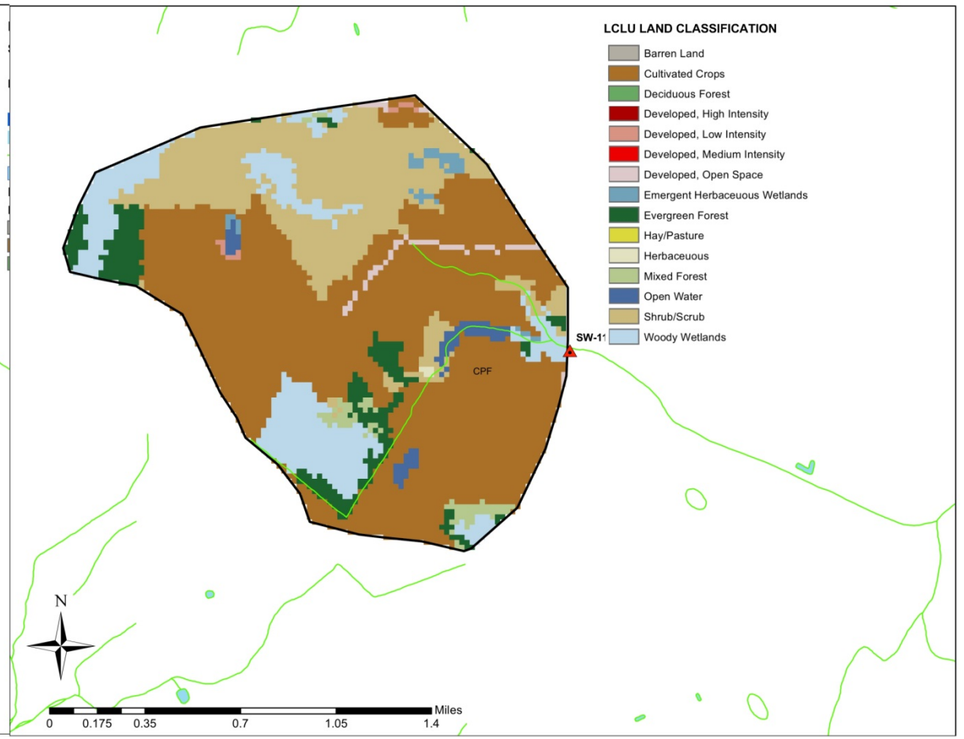
LAND_COVER	% Area
Developed	8
Forest	9
Shrub/Herbaceous	19
Cultivated	42
Wetlands	22

USGS BASIN SW-10
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-11 DRAINAGE BASIN







IMPORTANT FEATURES:

1. TWO SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT GIDDENSVILLE ROAD DUAL CULVERT CROSSING

DISTRIBUTION OF HYDRIC SOILS

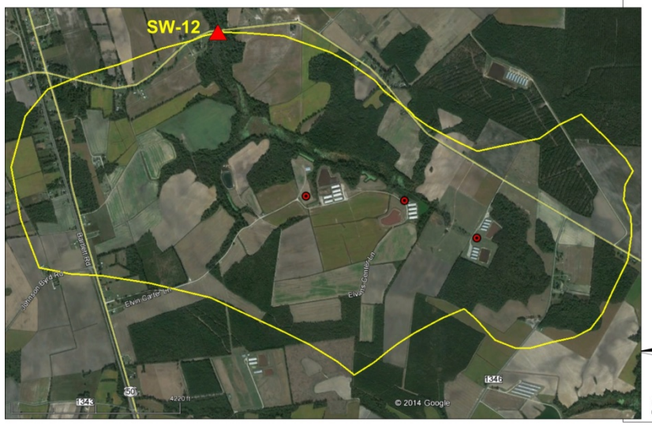
Soil Type	Acres	% Area
Hydric Soils	489.75	38.55
Partially Hydric Soils	101.35	7.98
Non-Hydric Soils	679.46	53.48
Total	1,270.57	100.00

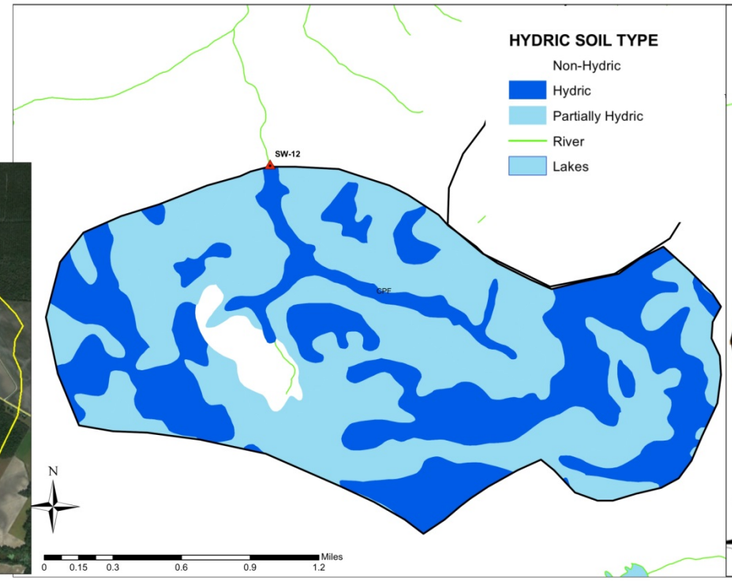
DISTRIBUTION OF LAND COVER

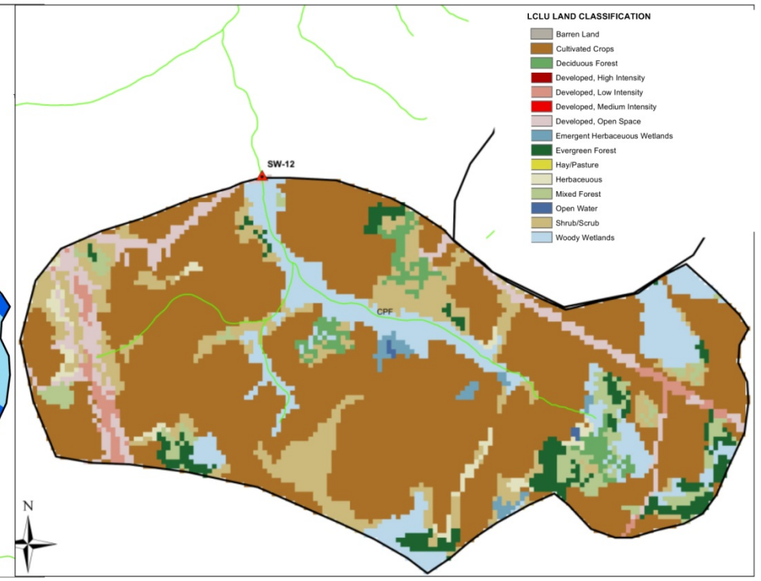
LAND_COVER	% Area
Developed	1
Forest	7
Shrub/Herbaceous	22
Cultivated	55
Wetlands	13

USGS BASIN SW-11
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-12 DRAINAGE BASIN







IMPORTANT FEATURES:

1. THREE SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT BOWDENS ROAD BRIDGE CROSSING
3. TWO OF THE LAGOONS IN BASIN ARE MEMBRANE LINED

DISTRIBUTION OF HYDRIC SOILS

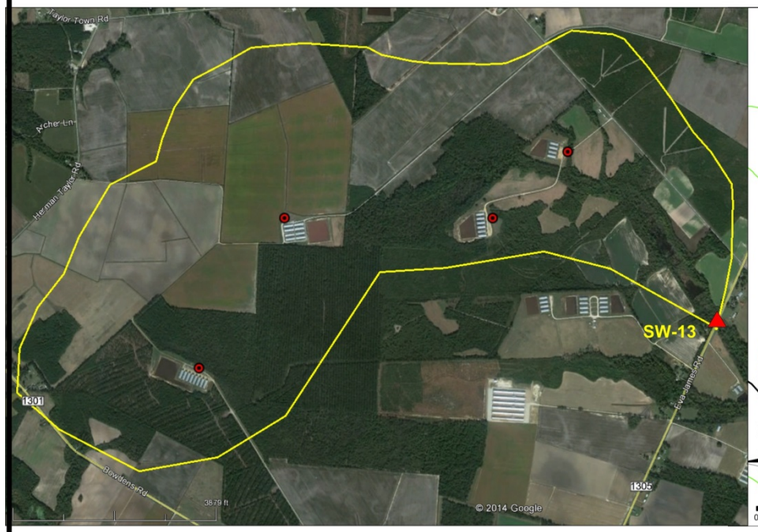
Soil Type	Acres	% Area
Hydric Soils	779.95	39.21
Partially Hydric Soils	1,141.96	57.41
Non-Hydric Soils	67.13	3.37
Total	1,989.03	100.00

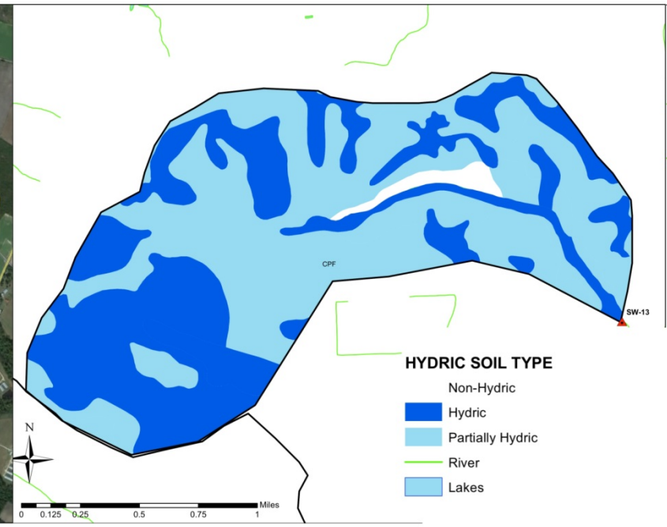
DISTRIBUTION OF LAND COVER

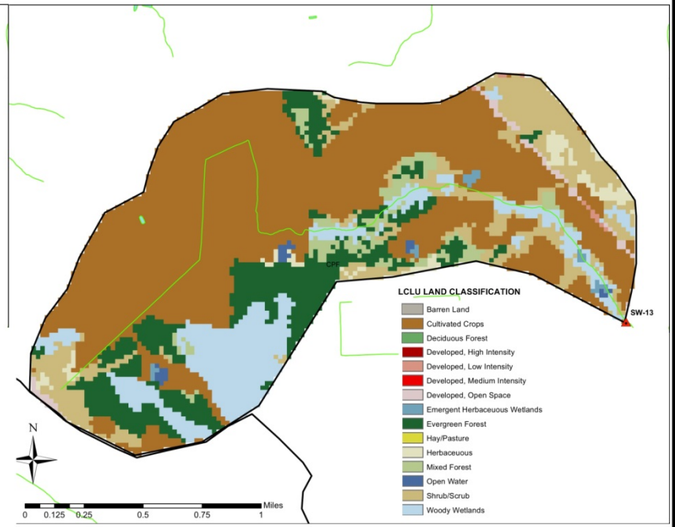
LAND_COVER	% Area
Developed	6
Forest	9
Shrub/Herbaceous	13
Cultivated	60
Wetlands	12

USGS BASIN SW-12
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-13 DRAINAGE BASIN







IMPORTANT FEATURES:

1. FOUR SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT CULVERT CROSSING STATE GALVANIZED
   STEEL CULVERTS WHERE ROAD DITCHES DISCHARGE
3. MANY OTHER ABANDONDED FARM OPERATIONS ARE EVIDENT, SOME ABANDONED WITH EVIDENCE OF PETROLEUM SURFACE SPILLS.

DISTRIBUTION OF HYDRIC SOILS

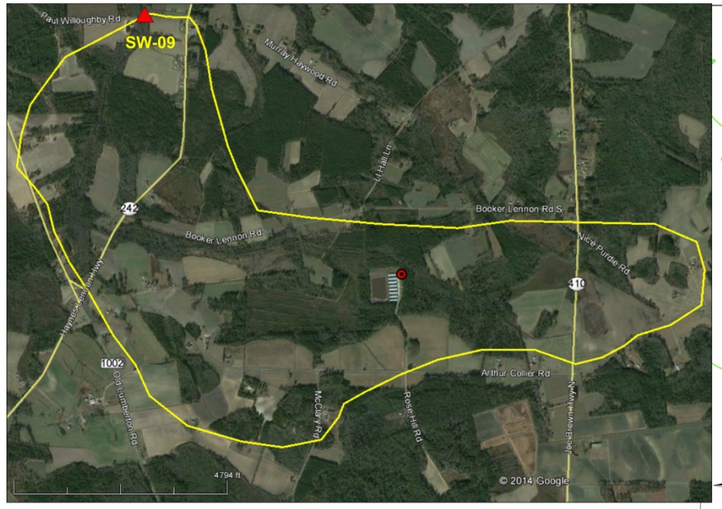
Soil Type	Acres	% Area
Hydric Soils	632.46	42.84
Partially Hydric Soils	817.10	55.35
Non-Hydric Soils	26.67	1.81
Total	1,476.23	100.00

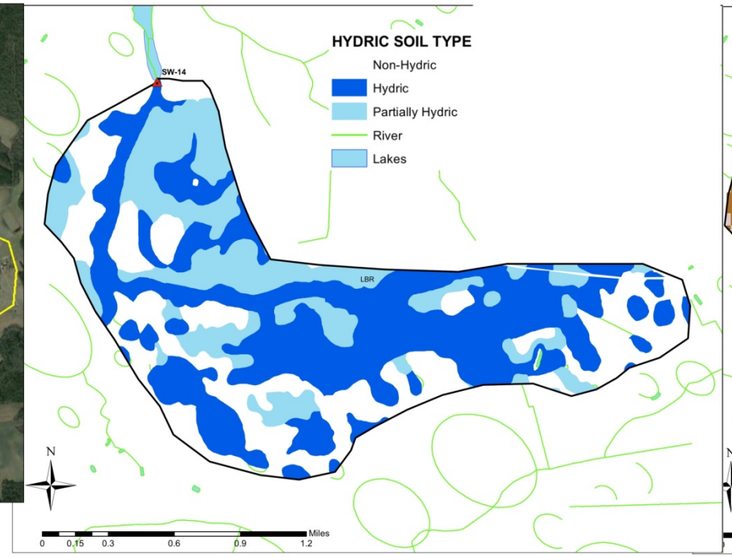
DISTRIBUTION OF LAND COVER

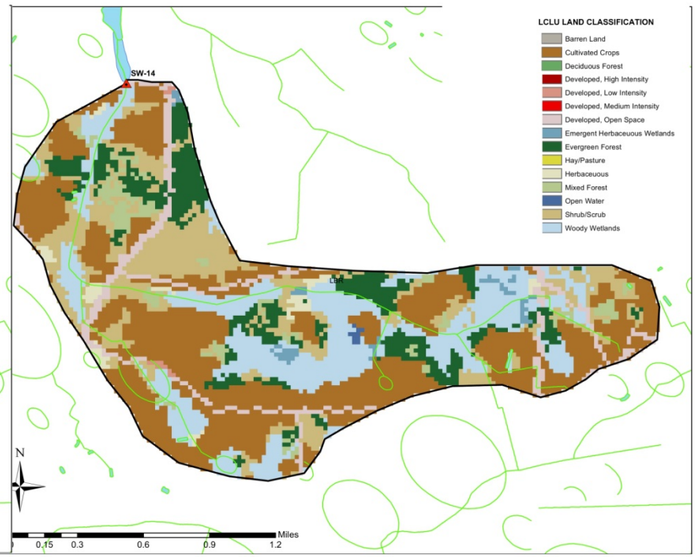
LAND_COVER	% Area
Developed	1
Forest	17
Shrub/Herbaceous	15
Cultivated	55
Wetlands	12

USGS BASIN SW-13
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-14 DRAINAGE BASIN







IMPORTANT FEATURES:

1. ONE SWINE FARM IS PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT CULVERT CROSSING BENEATH PAUL WILLOUGHBY ROAD

DISTRIBUTION OF HYDRIC SOILS

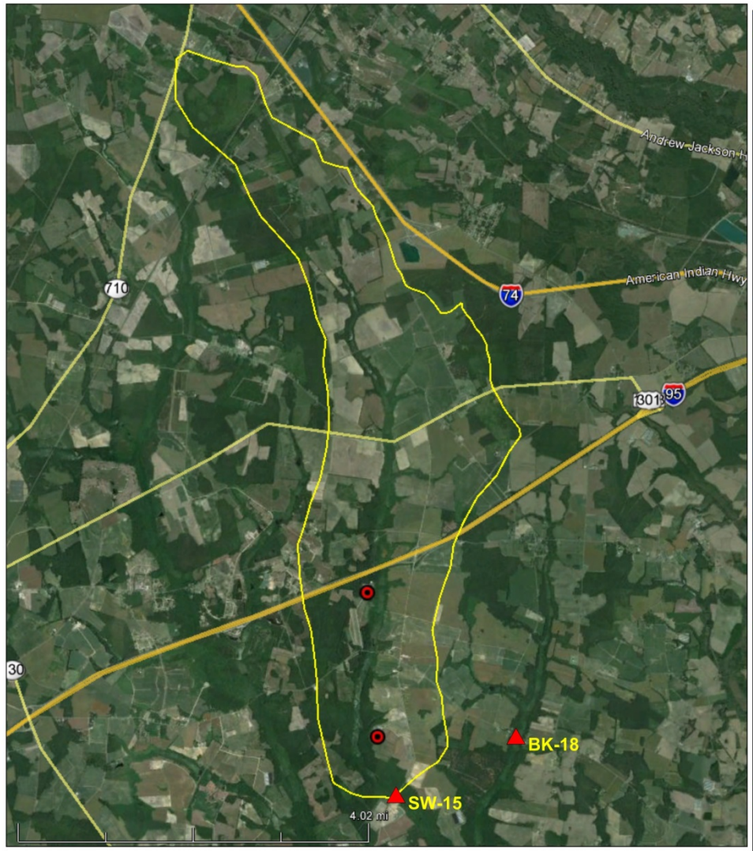
Soil Type	Acres	% Area
Hydric Soils	699.33	45.80
Partially Hydric Soils	369.63	24.21
Non-Hydric Soils	457.82	29.99
Total	1,526.78	100.00

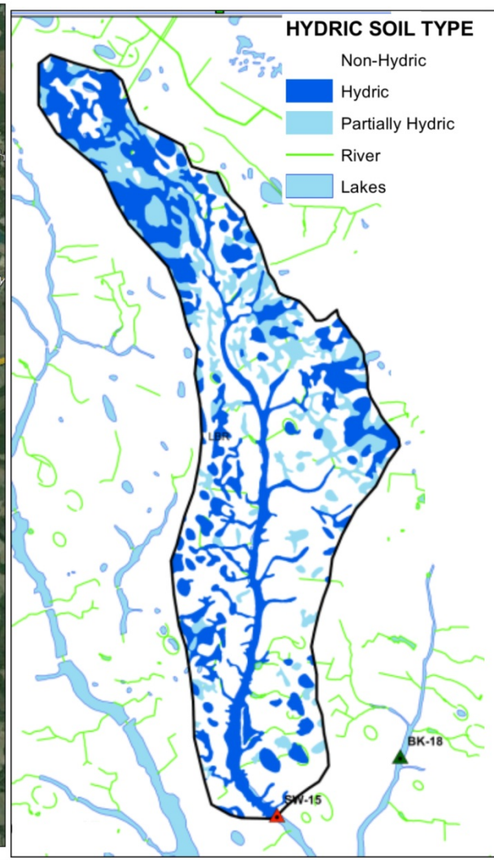
DISTRIBUTION OF LAND COVER

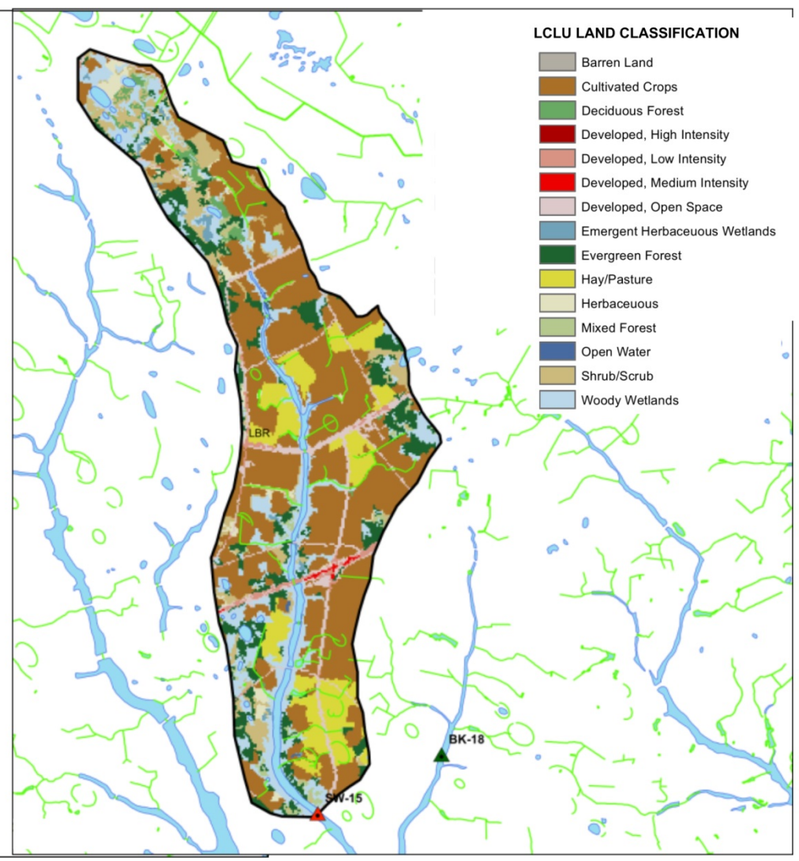
LAND_COVER	% Area
Developed	6
Forest	15
Shrub/Herbaceous	19
Cultivated	38
Wetlands	22

USGS BASIN SW-14
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-15 DRAINAGE BASIN







IMPORTANT FEATURES:

1. BASIN IS SITUATED BETWEEN TWO INTERSTATE HIGHWAYS (95 AND 74)
2. TWO SWINE FARMS ARE PRESENT AT LOWER 1/3rd OF BASIN CLOSEST TO SAMPLE POINT
3. SAMPLE STATION IS LOCATED AT BRIDGE CROSSING WHERE HIGHWAY DRAINS DIRECTLY INTO BASIN

DISTRIBUTION OF HYDRIC SOILS

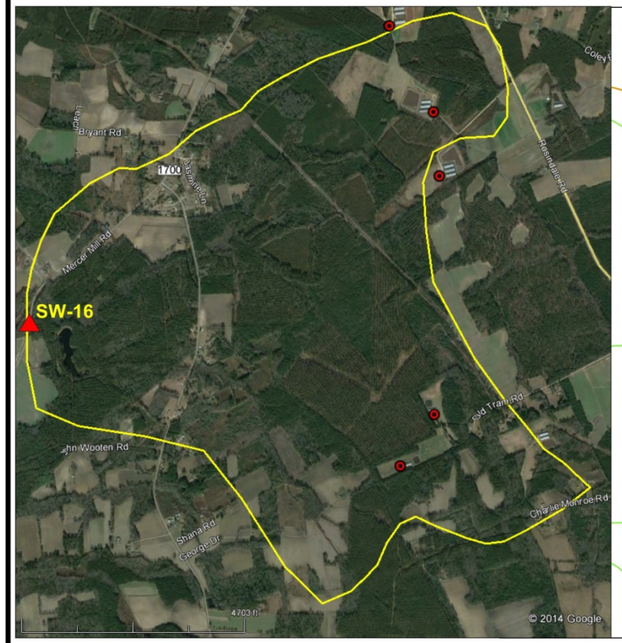
Soil Type	Acres	% Area
Hydric Soils	2564	32
Partially Hydric Soils	1210	15
Non-Hydric Soils	4234	53
Total	8007	100

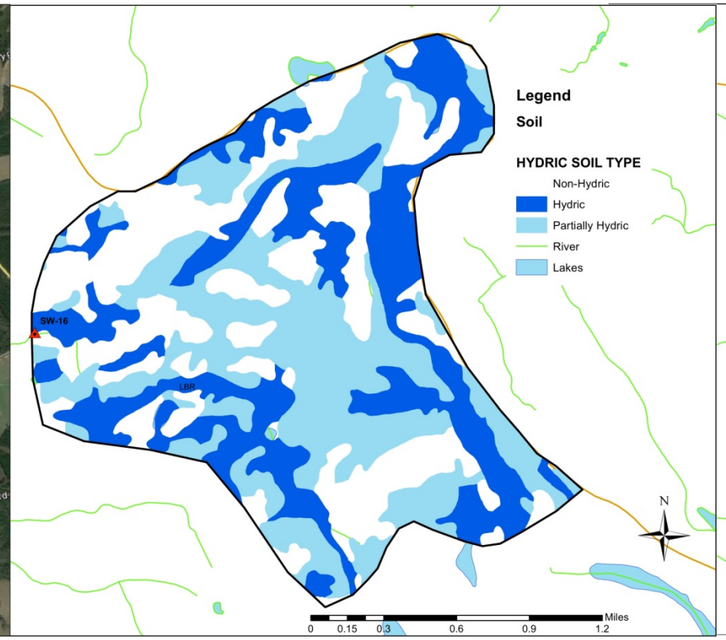
DISTRIBUTION OF LAND COVER

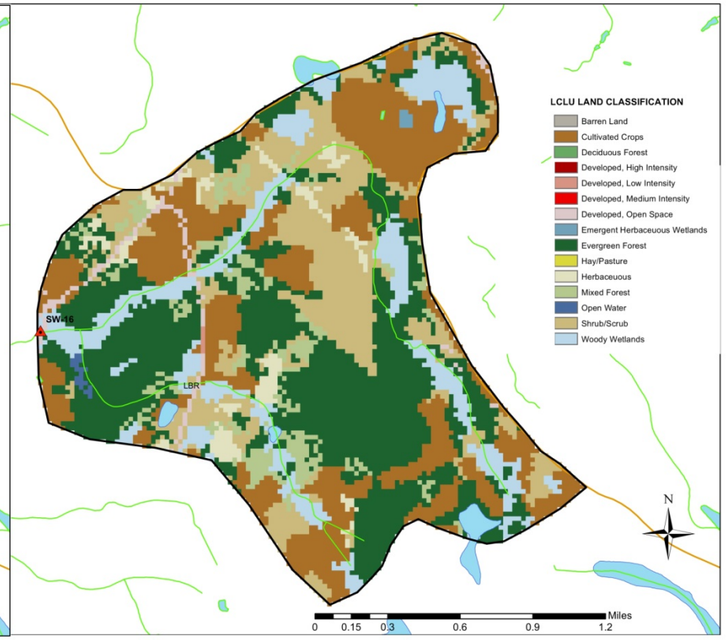
LAND_COVER	% Area
Developed	6
Forest	12
Shrub/Herbaceous	9
Cultivated	53
Wetlands	18

USGS BASIN SW-15
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-16 DRAINAGE BASIN







IMPORTANT FEATURES:

1. FIVE SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT CULVERT CROSSING BENEATH MERCER MILL ROAD

DISTRIBUTION OF HYDRIC SOILS

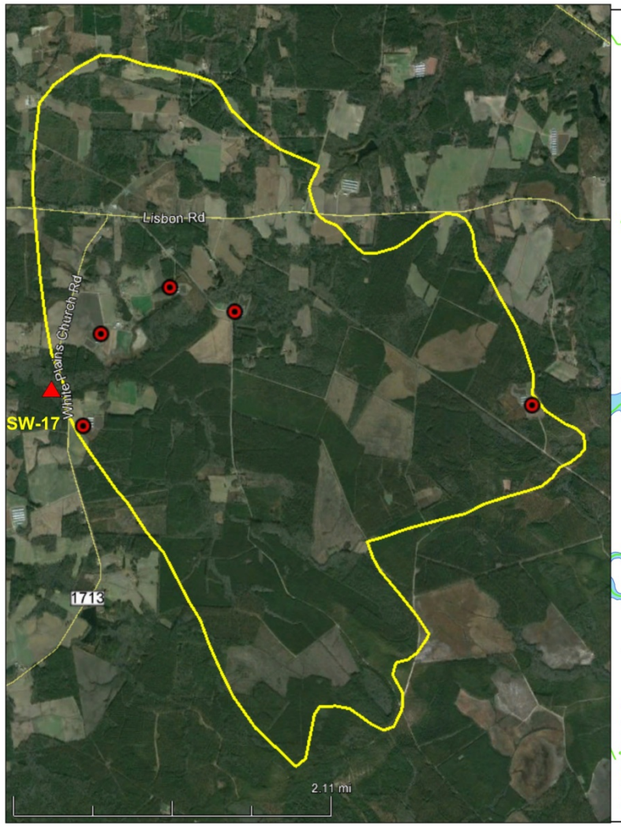
Soil Type	Acres	% Area
Hydric Soils	694.06	19.85
Partially Hydric Soils	1,265.85	36.21
Non-Hydric Soils	1,535.98	43.94
Total	3,495.89	100.00

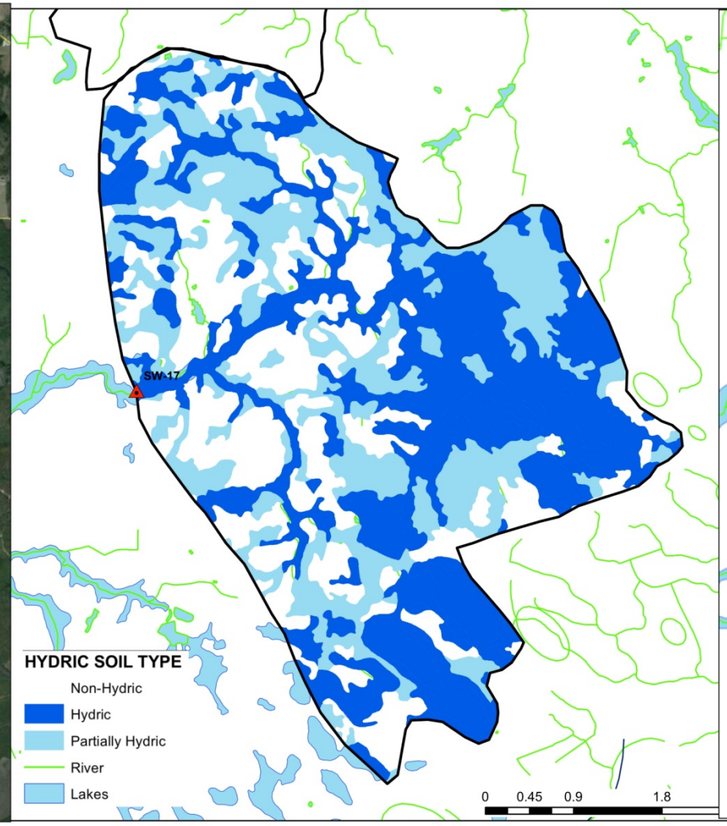
DISTRIBUTION OF LAND COVER

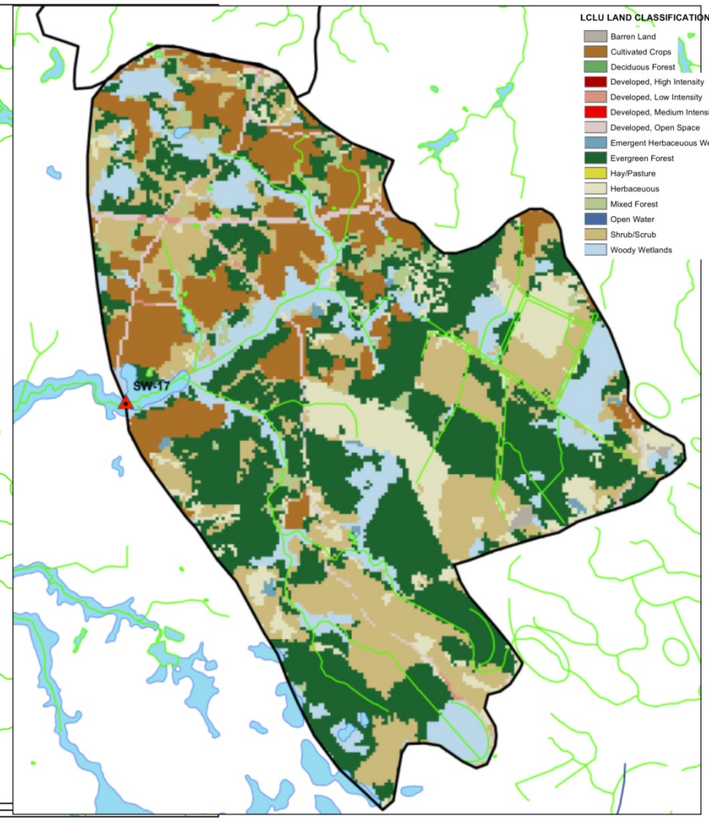
LAND_COVER	% Area
Developed	1
Forest	39
Shrub/Herbaceous	21
Cultivated	25
Wetlands	12

USGS BASIN SW-16
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-17 DRAINAGE BASIN







IMPORTANT FEATURES:

1. FOUR SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT A DOUBLE CULVERT DISCHARGE BENEATH WHITE PLAINS CHURCH ROAD
3. THE NEAREST APPLICATION FIELD IS APPROXIMATELY 500 FT SOUTH OF THE SAMPLE POINT

DISTRIBUTION OF HYDRIC SOILS

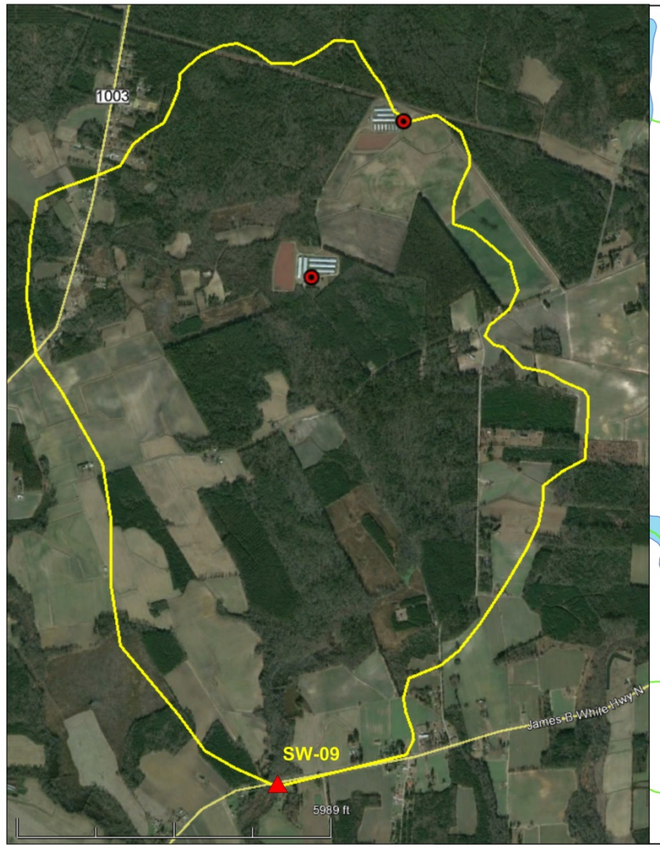
Soil Type	Acres	% Area
Hydric Soils	2,491.23	42.33
Partially Hydric Soils	1,722.12	29.26
Non-Hydric Soils	1,672.43	28.41
Total	5,885.78	100.00

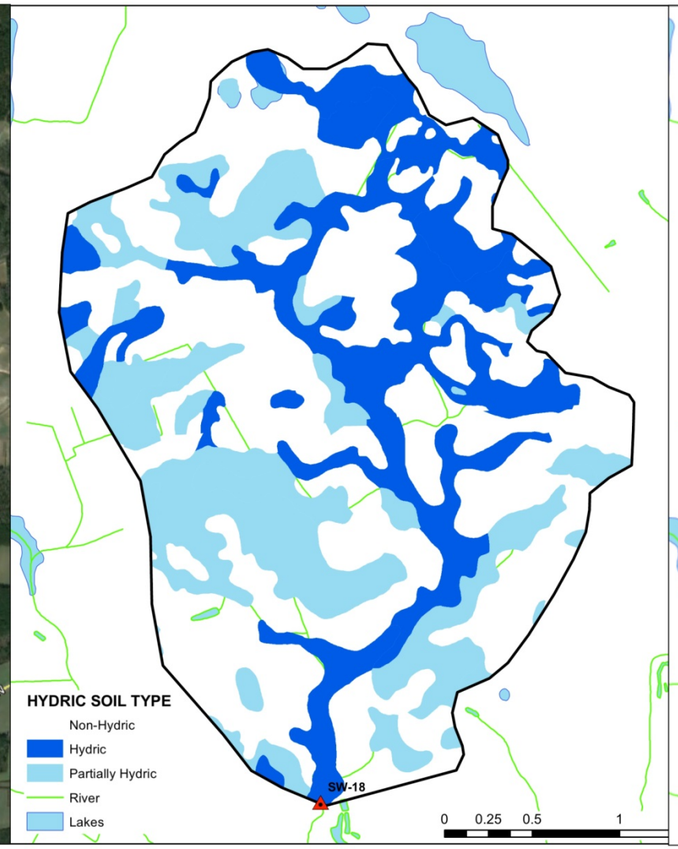
DISTRIBUTION OF LAND COVER

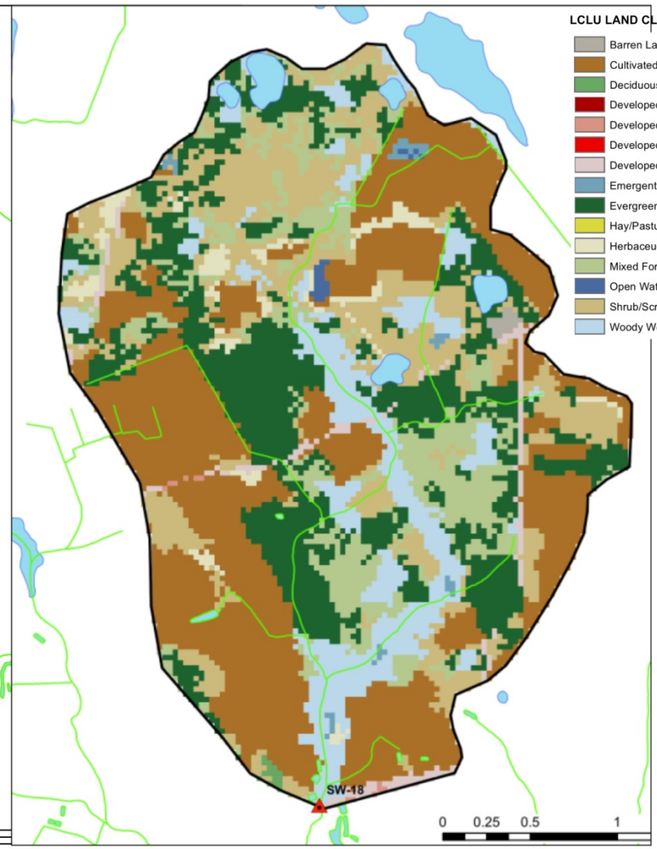
LAND_COVER	% Area
Developed	3
Forest	37
Shrub/Herbaceous	31
Cultivated	14
Wetlands	15

USGS BASIN SW-17
SWINE ONLY OPERATIONS

CHARACTERIZATION OF USGS SW-18 DRAINAGE BASIN







IMPORTANT FEATURES:

1. TWO SWINE FARMS ARE PRESENT WITHIN THE BASIN
2. SAMPLE STATION IS LOCATED AT THE BASE OF A BOX CULVERT

DISTRIBUTION OF HYDRIC SOILS

Soil Type	Acres	% Area
Hydric Soils	550.60	24.06
Partially Hydric Soils	559.33	24.44
Non-Hydric Soils	1,178.33	51.49
Total	2,288.26	100.00

DISTRIBUTION OF LAND COVER

LAND_COVER	% Area
Developed	2
Forest	32
Shrub/Herbaceous	20
Cultivated	33
Wetlands	12

USGS BASIN SW-18
SWINE ONLY OPERATIONS