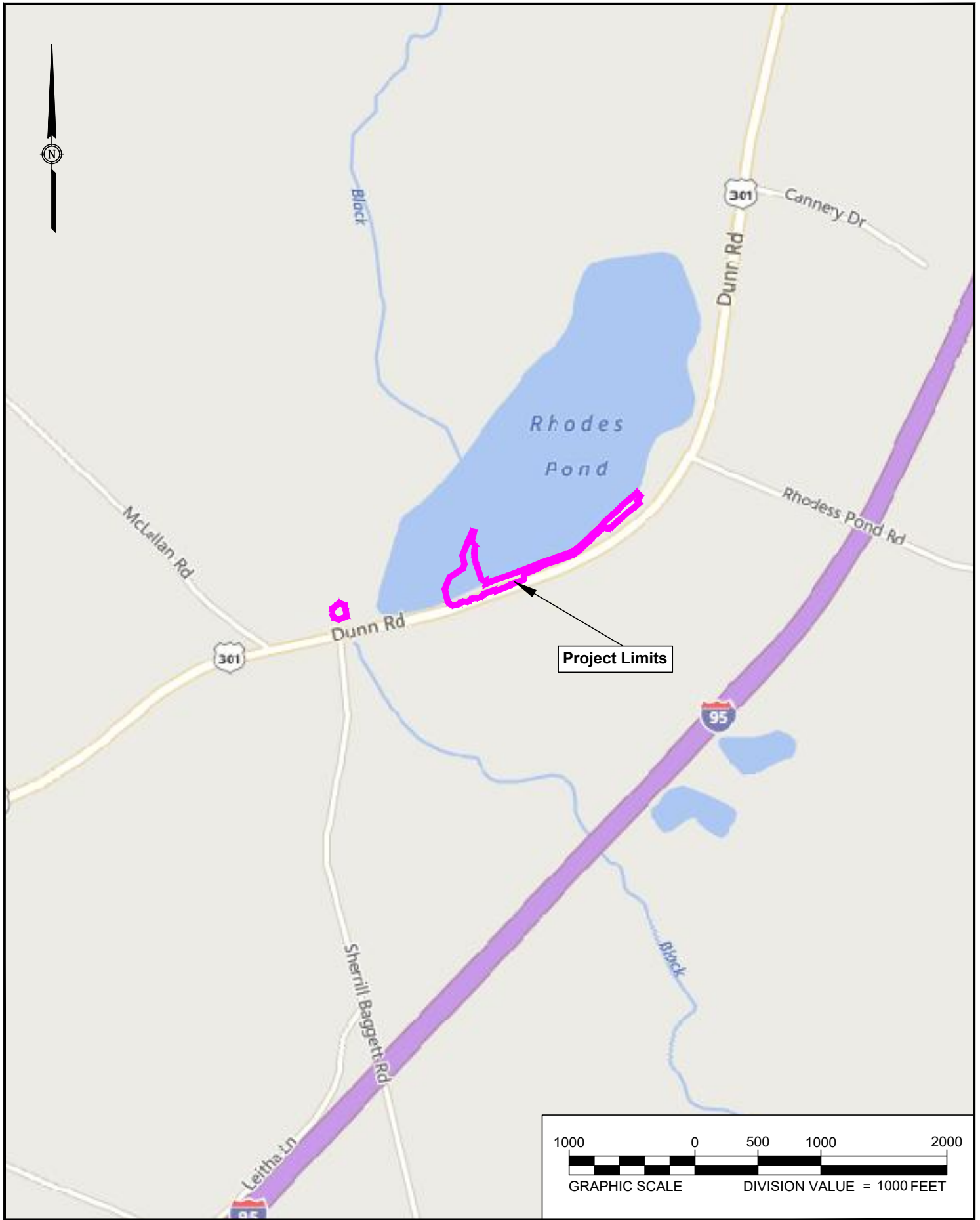


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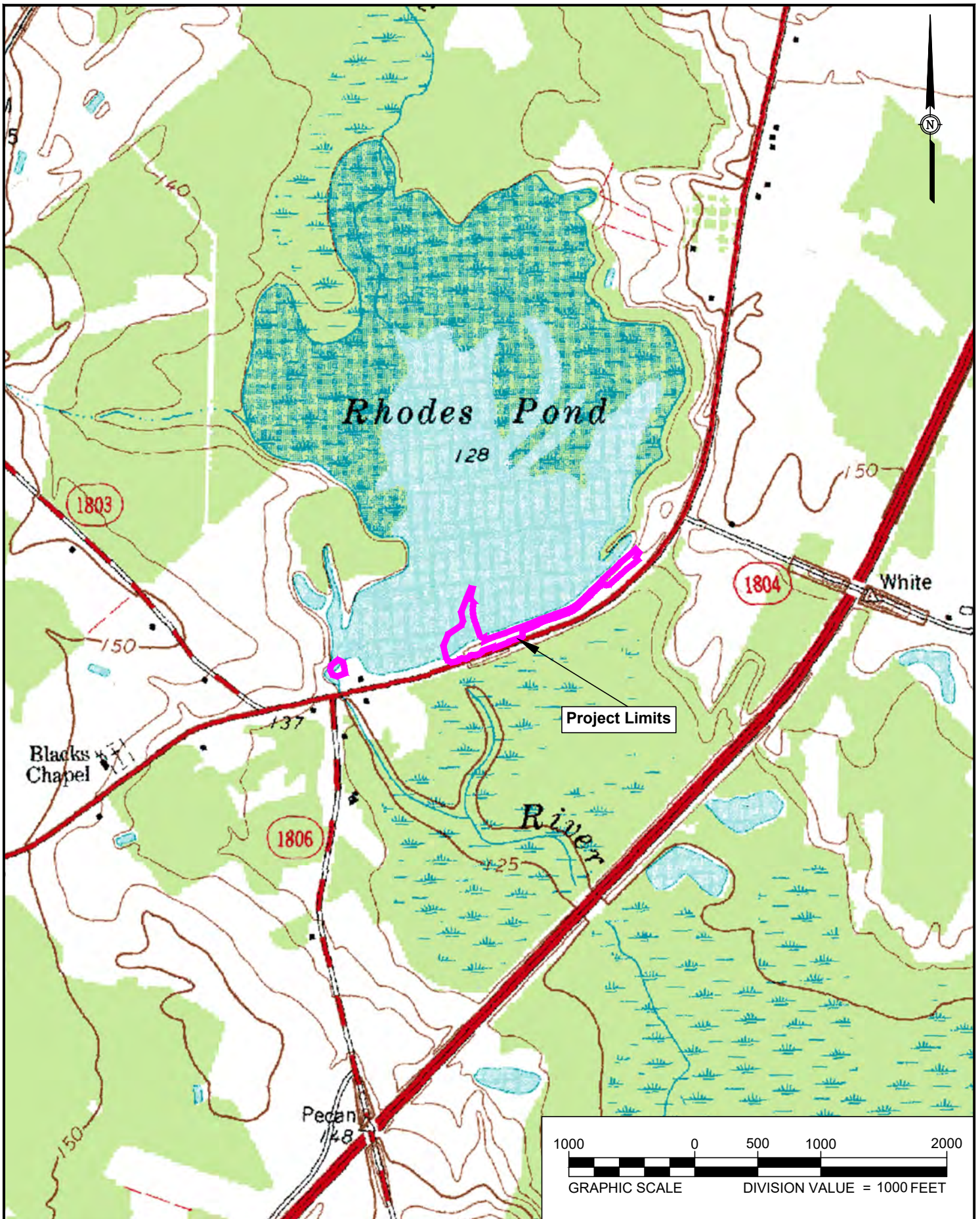
1013 State Farm Road
Boone, NC 28607
828.386.1920
NC Firm License # C-0459
mcgillassociates.com

DATE	12/18/19
PROJECT #	14.00135
PROJECT MANAGER	BR

RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
CUMBERLAND COUNTY, NORTH CAROLINA

LOCATION MAP

FIGURE
1



C:\USERS\ALEX.LOWDERMILK\DESKTOP\RHODES POND.DWG PLOT DATE 12/18/2019 2:39 PM ALEX.LOWDERMILK



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DATE
12/18/19

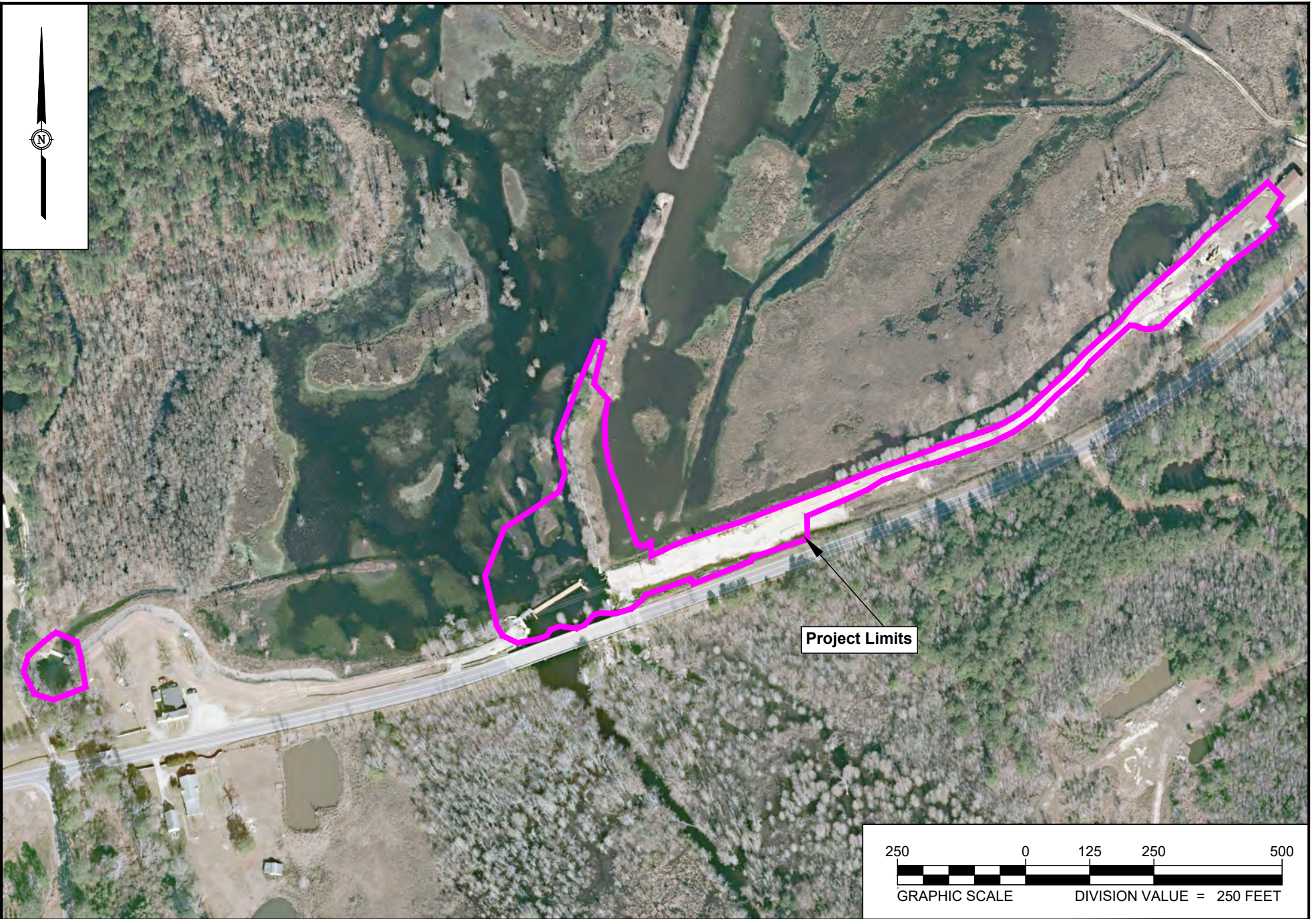
PROJECT #
14.00135

PROJECT MANAGER
BR

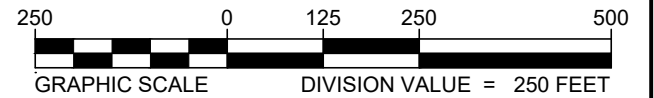
RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
CUMBERLAND COUNTY, NORTH CAROLINA

USGS MAP

FIGURE
2



Project Limits




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DATE 12/18/19	PROJECT # 14.00135
OFFICE MANAGER BR	DESIGNER AL
PROJECT MANAGER DS	REVIEWER JS

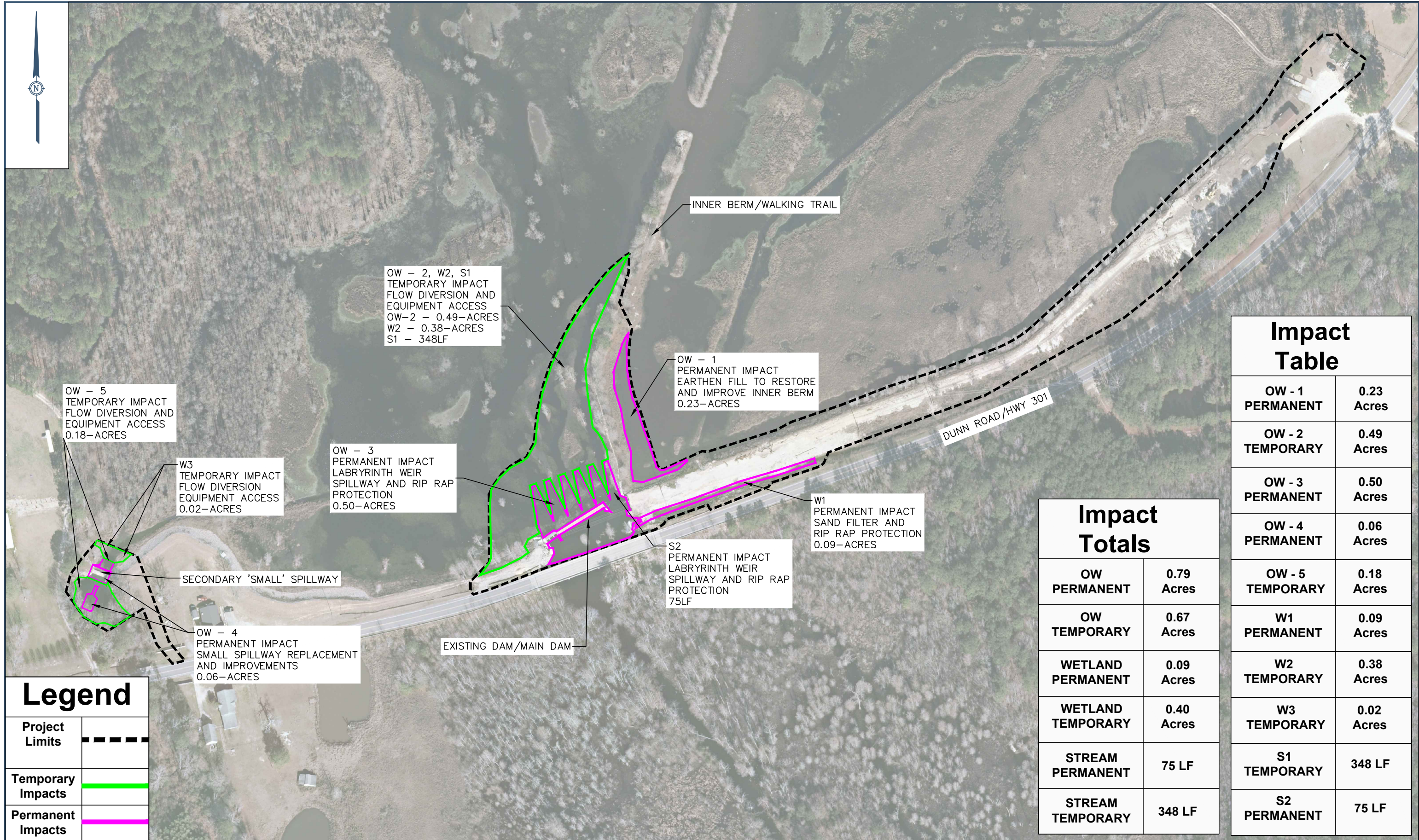
RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
 CUMBERLAND COUNTY, NORTH CAROLINA

AERIAL MAP

FIGURE
4



L:\BROADSTREET\PROJECTS\2014\14.00135 - RHODES POND DAM REPAIR\PERMITTING\OVERALL IMPACTS - PROJECT AREA.DWG PLOT DATE 6/10/2020 9:03 AM JON SWAIM



Impact Table	
OW - 1 PERMANENT	0.23 Acres
OW - 2 TEMPORARY	0.49 Acres
OW - 3 PERMANENT	0.50 Acres
OW - 4 PERMANENT	0.06 Acres
OW - 5 TEMPORARY	0.18 Acres
W1 PERMANENT	0.09 Acres
W2 TEMPORARY	0.38 Acres
W3 TEMPORARY	0.02 Acres
S1 TEMPORARY	348 LF
S2 PERMANENT	75 LF

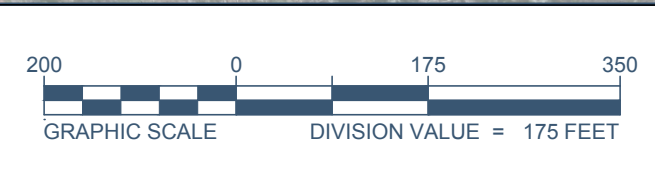
Impact Totals	
OW PERMANENT	0.79 Acres
OW TEMPORARY	0.67 Acres
WETLAND PERMANENT	0.09 Acres
WETLAND TEMPORARY	0.40 Acres
STREAM PERMANENT	75 LF
STREAM TEMPORARY	348 LF

Legend	
Project Limits	
Temporary Impacts	
Permanent Impacts	

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DATE 6/10/2020	PROJECT # 14.00135
OFFICE MANAGER MC	DESIGNER AL
PROJECT MANAGER DS	REVIEWER JS

RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
CUMBERLAND COUNTY, NORTH CAROLINA



PROJECT AREA
IMPACT MAP

FIGURE
A-9

IMPACT W1 – FILL CONSISTING OF SAND FILTER AND RIP-RAP PROTECTION. APPROX. 0.09–ACRES

PROPOSED SHEET PILING FOR FLOW DIVERSION DURING WEIR CONSTRUCTION. SEE PLAN SHEETS FOR CONSTRUCTION SEQUENCE.

DUNN ROAD

IMPACT OW3 – CONSTRUCTION OF LABYRINTH WEIR STRUCTURE, SPILLWAY AND RIP RAP PROTECTION. APPROX. 0.50–ACRES

EXISTING DAM STRUCTURE TO BE REMOVED. APPROXIMATELY 0.10–ACRES

PROPOSED INNER BERM FOR FLOW DIVERSION DURING WEIR CONSTRUCTION. SEE PLAN SHEETS FOR CONSTRUCTION SEQUENCE.

SEE SHEET CD-101 FOR WORK BOUNDARY LEGEND

IMPACT S2 – CONSTRUCTION OF LABYRINTH WEIR STRUCTURE. APPROX. 75 LF

TIE TO EXISTING GRADES

FLOATING BARRIER, TYP. (SEE PLAN NOTES AND DETAILS)

LABYRINTH WEIR SEE STRUCTURAL SHEETS FOR DETAILS

IMPACT OW1 – EARTHEN FILL TO RESTORE EXISTING INNER BERM AND WALKWAY TO FISHING PIER. APPROX. 0.23–ACRES

IMPACT OW2 – CONSTRUCTION OF FLOW DIVERSION BERM SYSTEM, EQUIPMENT ACCESS FOR WEIR CONSTRUCTION. APPROX. 0.49–ACRES

IMPACT S1 – CONSTRUCTION OF FLOW DIVERSION BERM SYSTEM, EQUIPMENT ACCESS FOR WEIR CONSTRUCTION. APPROX. 348 LF

IMPACT W2 – CONSTRUCTION OF FLOW DIVERSION BERM SYSTEM, EQUIPMENT ACCESS FOR WEIR CONSTRUCTION. APPROX. 0.38–ACRES

Impact Table	
OW - 1 PERMANENT	0.23 Acres
OW - 2 TEMPORARY	0.49 Acres
OW - 3 PERMANENT	0.50 Acres
W1 PERMANENT	0.09 Acres
W2 TEMPORARY	0.38 Acres
S1 TEMPORARY	348 LF
S2 PERMANENT	75 LF

Legend

Project Limits	
Proposed Grading & Structure	
Permanent Impacts	
Temporary Impacts	
Forested Wetland	
Emergent Wetland	
Open Water	

PERMIT DRAWINGS
- FOR REVIEW PURPOSES ONLY -
NOT RELEASED FOR
CONSTRUCTION

LIBRARY STREET PROJECT 9/20/14 00135 - RHODES POND DAM REPAIR PERMITTING IMPACT MAP - LDWG PLOT DATE 6/8/2020 12:35 PM JON SWAIN

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NO.	DATE	BY	DESCRIPTION

RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
CUMBERLAND COUNTY, NORTH CAROLINA

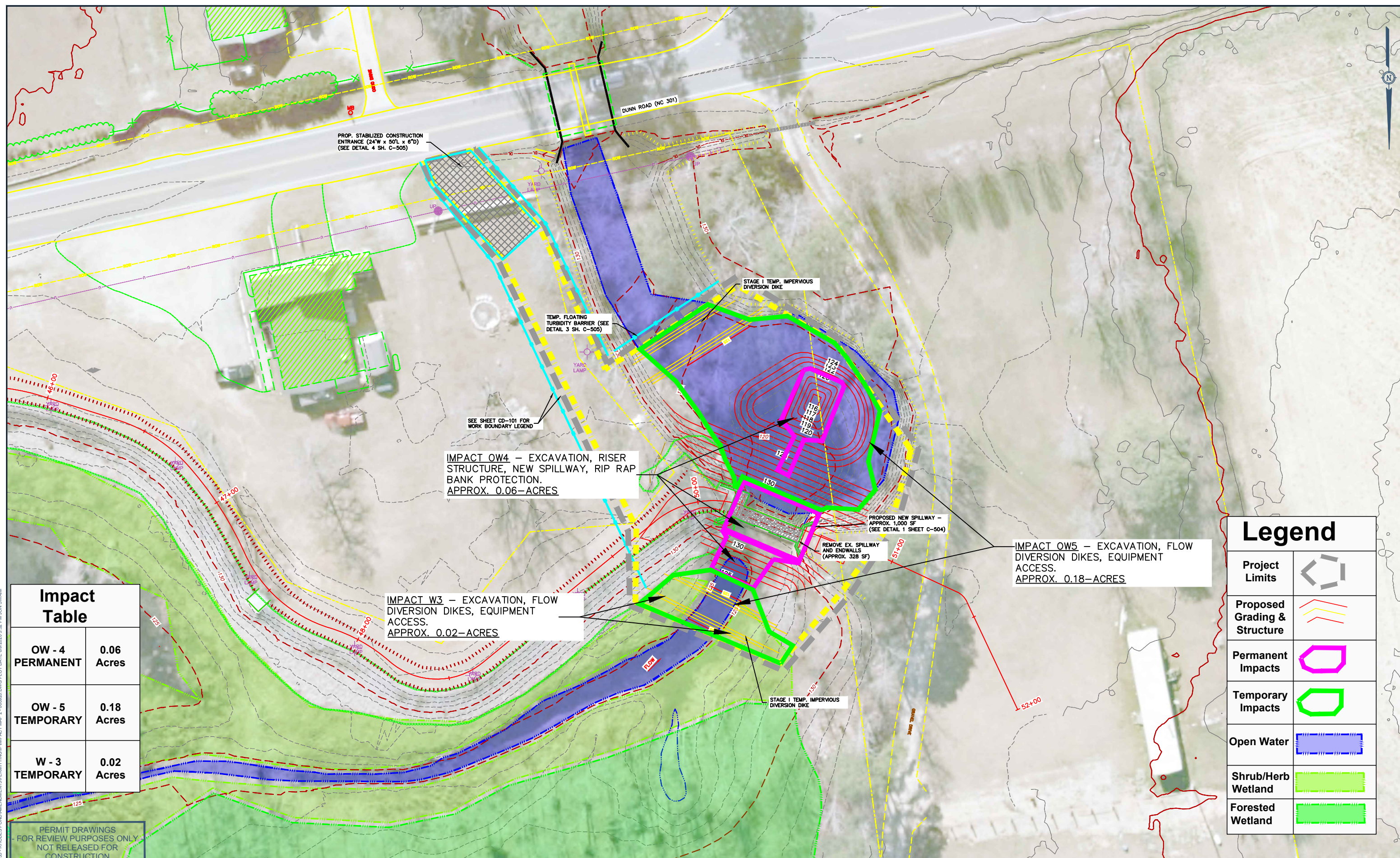
GRAPHIC SCALE DIVISION VALUE = 30 FEET
PAPER SIZE 11"x17"

OFFICE MANAGER	BR	DESIGNER	AL
PROJECT MANAGER	DS	REVIEWER	JS

EXISTING DAM AREA IMPACT MAP		DATE	6/8/2020	REV		PROJECT #	14.00135	FUNDING #	
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SHEET
A-10

14.00135 - NORTH CAROLINA WILDLIFE - RHODES POND DAM REPAIR SC# 13-10039-02



Impact Table	
OW - 4 PERMANENT	0.06 Acres
OW - 5 TEMPORARY	0.18 Acres
W - 3 TEMPORARY	0.02 Acres

Legend	
Project Limits	
Proposed Grading & Structure	
Permanent Impacts	
Temporary Impacts	
Open Water	
Shrub/Herb Wetland	
Forested Wetland	

PERMIT DRAWINGS
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CONSTRUCTION

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NO.	DATE	BY	DESCRIPTION

RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
CUMBERLAND COUNTY, NORTH CAROLINA

OFFICE MANAGER	BR	DESIGNER	AL
PROJECT MANAGER	DS	REVIEWER	JS

DATE		6/8/2020	REV	PROJECT #	14.00135	FUNDING #	
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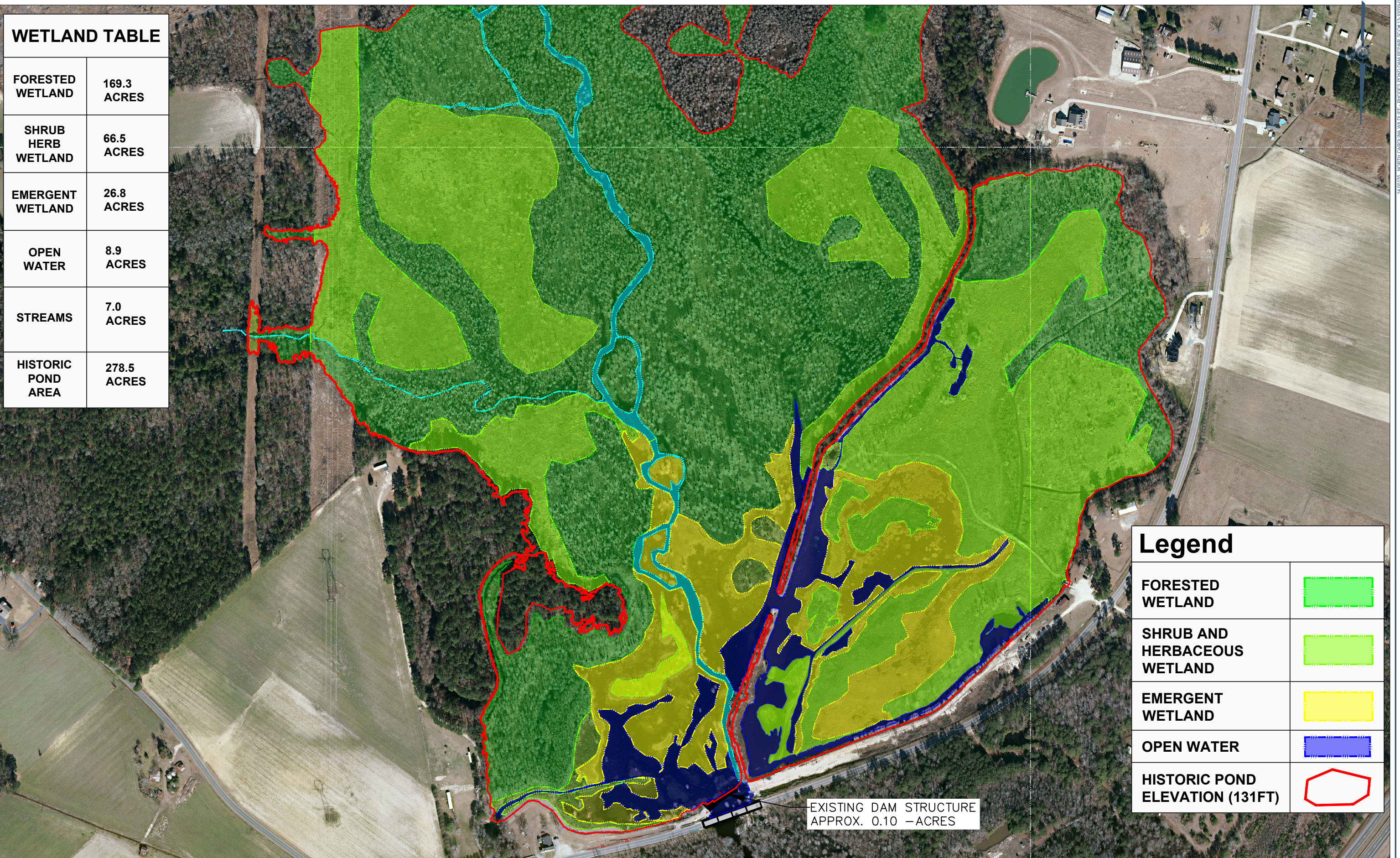
SHEET
A-11

L:\BROADSTREET\PROJECTS\2014\14.00135 - RHODES POND DAM REPAIR\PERMITTING\IMPACT MAP 2 - 060920.DWG PLOT DATE 6/6/2020 5:32 PM JON SWAN

SCALE: 1"=40' DATE PLOTTED: 6/6/2020 5:32 PM

WETLAND TABLE

FORESTED WETLAND	169.3 ACRES
SHRUB HERB WETLAND	66.5 ACRES
EMERGENT WETLAND	26.8 ACRES
OPEN WATER	8.9 ACRES
STREAMS	7.0 ACRES
HISTORIC POND AREA	278.5 ACRES



Legend

FORESTED WETLAND	
SHRUB AND HERBACEOUS WETLAND	
EMERGENT WETLAND	
OPEN WATER	
HISTORIC POND ELEVATION (131FT)	

EXISTING DAM STRUCTURE
APPROX. 0.10 - ACRES

L:\BROADSTREET\PROJECTS\2014\14.00135 - RHODES POND DAM REPAIR\PERMITTING\OVERALL IMPACTS - FULL POND.DWG PLOT DATE 6/9/2020 5:11 PM JON SWAIN

14.00135 - NORTH CAROLINA WILDLIFE - RHODES POND DAM REPAIR SC04 15 10030502

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NO.	DATE	BY	DESCRIPTION

RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
CUMBERLAND COUNTY, NORTH CAROLINA

175 0 175 350
GRAPHIC SCALE DIVISION VALUE = 175 FEET
PAPER SIZE 11"x17"

OFFICE MANAGER	MC	DESIGNER	AL
PROJECT MANAGER	DS	REVIEWER	JS

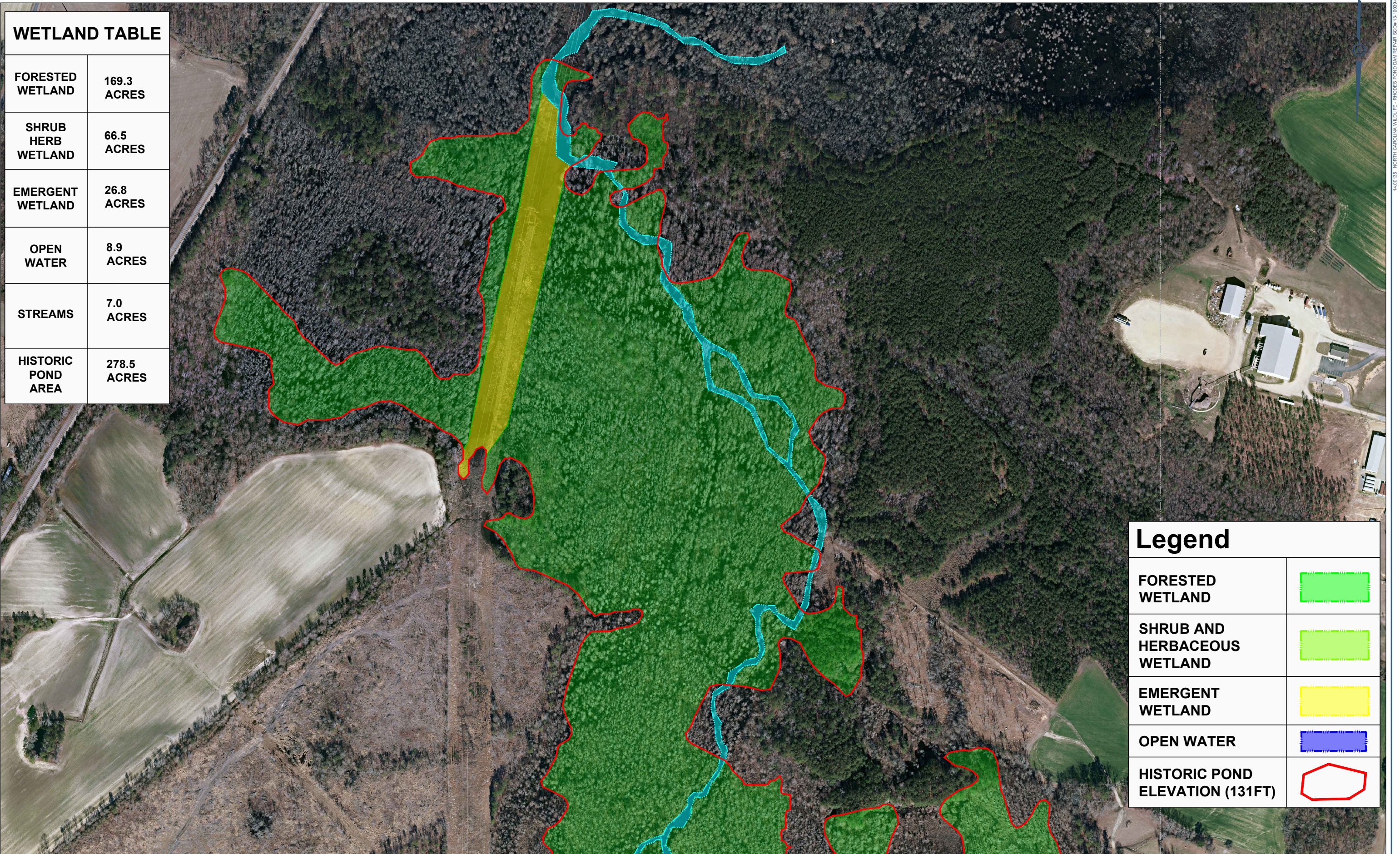
CONVERSION OF WATERS
IMPACT MAP 1

DATE	PROJECT #	FUNDING #
6/9/2020	14.00135	

SHEET
A-12

WETLAND TABLE

FORESTED WETLAND	169.3 ACRES
SHRUB HERB WETLAND	66.5 ACRES
EMERGENT WETLAND	26.8 ACRES
OPEN WATER	8.9 ACRES
STREAMS	7.0 ACRES
HISTORIC POND AREA	278.5 ACRES



Legend

FORESTED WETLAND	
SHRUB AND HERBACEOUS WETLAND	
EMERGENT WETLAND	
OPEN WATER	
HISTORIC POND ELEVATION (131FT)	

L:\ROAD\PROJECTS\2014\14.00135 - RHODES POND DAM REPAIR\PERMITTING\OVERALL IMPACTS - FULL POND.DWG PLOT DATE 6/9/2020 10:01 AM JON SWANN

14.00135 - NORTH CAROLINA WILDLIFE - RHODES POND DAM REPAIR SC04 15 10030502

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NO.	DATE	BY	DESCRIPTION

RHODES POND DAM REPAIR
NORTH CAROLINA WILDLIFE RESOURCE COMMISSION
CUMBERLAND COUNTY, NORTH CAROLINA

<p>GRAPHIC SCALE DIVISION VALUE = 175 FEET PAPER SIZE 11"x17"</p>	
OFFICE MANAGER	DESIGNER
PROJECT MANAGER	REVIEWER
MC	AL
DS	JS

CONVERSION OF WATERS IMPACT MAP 2		
DATE	PROJECT #	FUNDING #
6/9/2020	14.00135	

SHEET
A-13