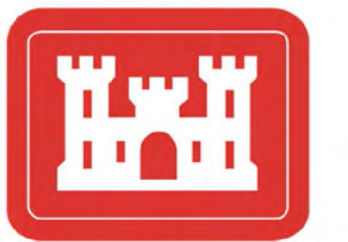
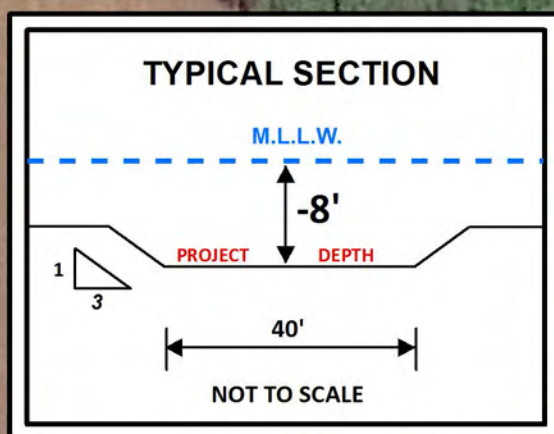
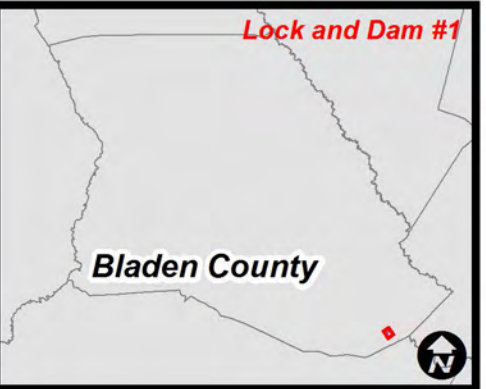


78°17'45"W

34°24'30"N 78°17'30"W



**US Army Corps
of Engineers
Wilmington District**



SURVEY DATE: 03 MAY 2016	SURVEYED BY: MAS, WWW
MAP DATE: 28 JULY 2016	MAPPED: K70FNDJIM
MAP SCALE: 1:1,200	
IMAGERY DATE: 3 JUNE 2016	
© 2016 DIGITALGLOBE NEXTVIEW LICENSE	MAP FILE NAME: RP_02_LD1_20160503.MXD

34°24'15"N

78°17'45"W

34°24'0"N

34°24'0"N

34°24'30"N

78°17'15"W

34°24'15"N

East Arcadia

**BOAT RAMP AND
CANOE PORTAGE**

LOCK 40' X 200'

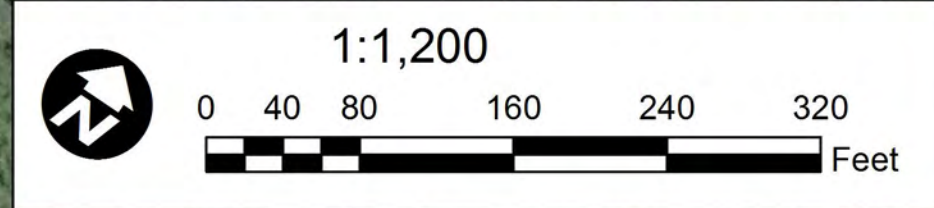
**UPPER POOL
ELEVATION +14'**

**LOWER POOL
ELEVATION +3'**

Lock and Dam #1

Cape Fear River

Aids to Navigation		LEGEND		Depth In Feet	
	Green Light		Green Daybeacon		4 and Shallower
	Nun		Red Daybeacon		6 - 4
	Green Lighted Buoy		Danger Sign		7 - 6
	Red Lighted Buoy		Mileboard		8 - 7
	Junction Marker		Tide Gage		10 - 8
			Navigation Channel		12 - 10
					14 - 12
					15 - 14
					15 and Deeper



- NOTES:**
- ELEVATIONS ARE IN FEET AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) RELATIVE TO THE 1983-2001 TIDAL EPOCH.
 - PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "BUTLER" USING RTK GPS HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
 - HORIZONTAL DATUM NAD 1983. VERTICAL DATUM M.L.L.W.
 - TIDE GAGE LOCATED AT: LOCK 1
USE OF TIDE VALUES FOR THIS GAGE ARE RESTRICTED TO QUALITY ASSURANCE PURPOSES FOR VERIFICATION OF RTK TIDES. THE WILMINGTON DISTRICT WILL ONLY USE STAFF GAGE TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UNAVAILABLE AT THE TIME OF SURVEY.
 - THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152.
 - THE INFORMATION DEPICTED ON THIS SURVEY MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE. REQUIRED BY 33 CFR 209.325
 - NAVIGATION AIDS LOCATED WITH DISTRICT SURVEY VESSEL, ACCURACY +/- 3 METERS.
 - FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SAW.USACE.ARMY.MIL

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

Lock and Dam #1

SANDFIELD, NORTH CAROLINA