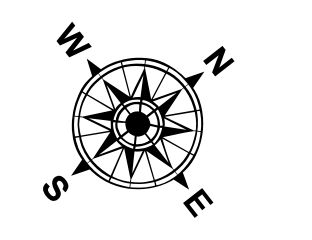
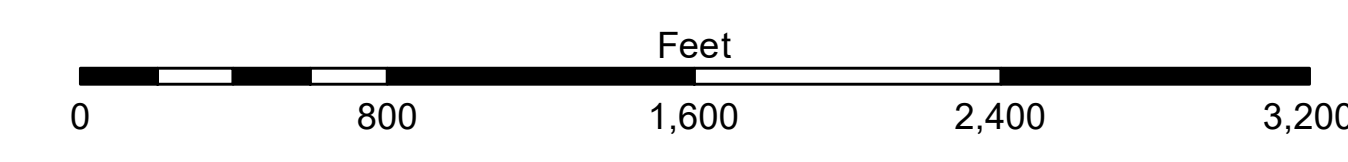


**LEGEND**

Federal Navigation Channel	Cable Area	Borrow Area	-12' and above
Federal Navigation Center Line	Placement Area	Shoalest Sounding**	-12' to -15'
As-built Pipeline/Cable	Anchorage Area	Beacon, General	-15' to -18'
Unconfirmed Pipeline/Cable	Obstruction Point	Red Navigation Buoy	-18' to -20'
Project Depth Contour	Wrecks-Submerged	Green Navigation Buoy	-20' and below
		Fluff Thickness*	



Gage Reading: EUGENE ISLAND: 2.4 MLG AVG  
 Sea Conditions: 1-2 FEET  
 Vessel Name: OB189  
 Survey Type: CS  
 Sounding Frequency\*\*: HIGH



**NOTES:**  
 Horizontal Coordinate System: North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.  
 Vertical Datum: Soundings are shown in feet and indicate depths below Mean Low Gulf Datum (MLG). Datum Relationships for the gage 88600 as of August 2013: 0.0' NAVD83 = 0.0' MLLW = 1.5' MLG  
 Distances on the Atchafalaya River are shown at 1 mile intervals.  
 The location of navigation aids are based on and provided by the U.S. Coast Guard.  
 2019 Aerial Photography data source: P.A.R. LLC, (1998 DOQQ imagery in green).  
 Reference is N.O.A.A. Navigation Chart No. 11354.  
 \* Difference between high and low frequency elevations where greater than 1.0'.  
 \*\* Shoalest Sounding per Quarter per Reach.  
 \*\*\* High frequency (200 kHz) survey data represents the first signal return at a sounding location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz) survey data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom material. Low frequency accuracies may vary depending on channel conditions and bathymetry settings.

**DISTANCE** - The distance between two points is measured along the shortest path between them. This distance is measured in feet and is shown in the table below. The distance between two points is measured along the shortest path between them. This distance is measured in feet and is shown in the table below.

1398+00	1399+00	1400+00	1401+00	1402+00	1403+00	1404+00	1405+00	1406+00	1407+00	1408+00	1409+00	1410+00	1411+00	1412+00	1413+00	1414+00	1415+00	1416+00	1417+00	1418+00	1419+00	1420+00	1421+00	1422+00	1423+00	1424+00	1425+00	1426+00	1427+00	1428+00	1429+00	1430+00	1431+00	1432+00	1433+00	1434+00	1435+00	1436+00	1437+00	1438+00	1439+00	1440+00	1441+00	1442+00	1443+00	1444+00	1445+00	1446+00	1447+00	1448+00	1449+00	1450+00	1451+00	1452+00	1453+00	1454+00	1455+00	1456+00	1457+00	1458+00	1459+00	1460+00	1461+00	1462+00	1463+00	1464+00	1465+00	1466+00	1467+00	1468+00	1469+00	1470+00	1471+00	1472+00	1473+00	1474+00	1475+00	1476+00	1477+00	1478+00	1479+00	1480+00	1481+00	1482+00	1483+00	1484+00	1485+00	1486+00	1487+00	1488+00	1489+00	1490+00	1491+00	1492+00	1493+00	1494+00	1495+00	1496+00	1497+00	1498+00	1499+00	1500+00
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Author:	Checked By:
Designed By:	Plotted By:
Reviewed By:	Checked By:
Approved:	Checked:

**ATCHAFALAYA RIVER  
 BAR CHANNEL  
 AR\_01\_BAR\_20211006\_CS  
 06 October 2021**

**Sheet Reference Number  
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