US Army Corps of Engineers®
Portland District

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

SOLICITATION NO.: W9127N26BA009

SIGNATURES AFFIXED HEREON INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL THE DRAWINGS IN THIS SET

HOWARD.DANIEL.FORREST.1163633317
Digitally signed by HOWARD.DANIEL.FORREST.1163633317
Date: 2026.05.06 10:38:51 -07'00'

DANIEL F. HOWARD
CHIEF, NAVIGATION DIVISION

ELLIS.KARLA.G.1258608867
Digitally signed by ELLIS.KARLA.G.1258608867
Date: 2026.05.05 15:00:12 -07'00'

KARLA G. ELLIS
DEPUTY CHIEF, NAVIGATION DIVISION

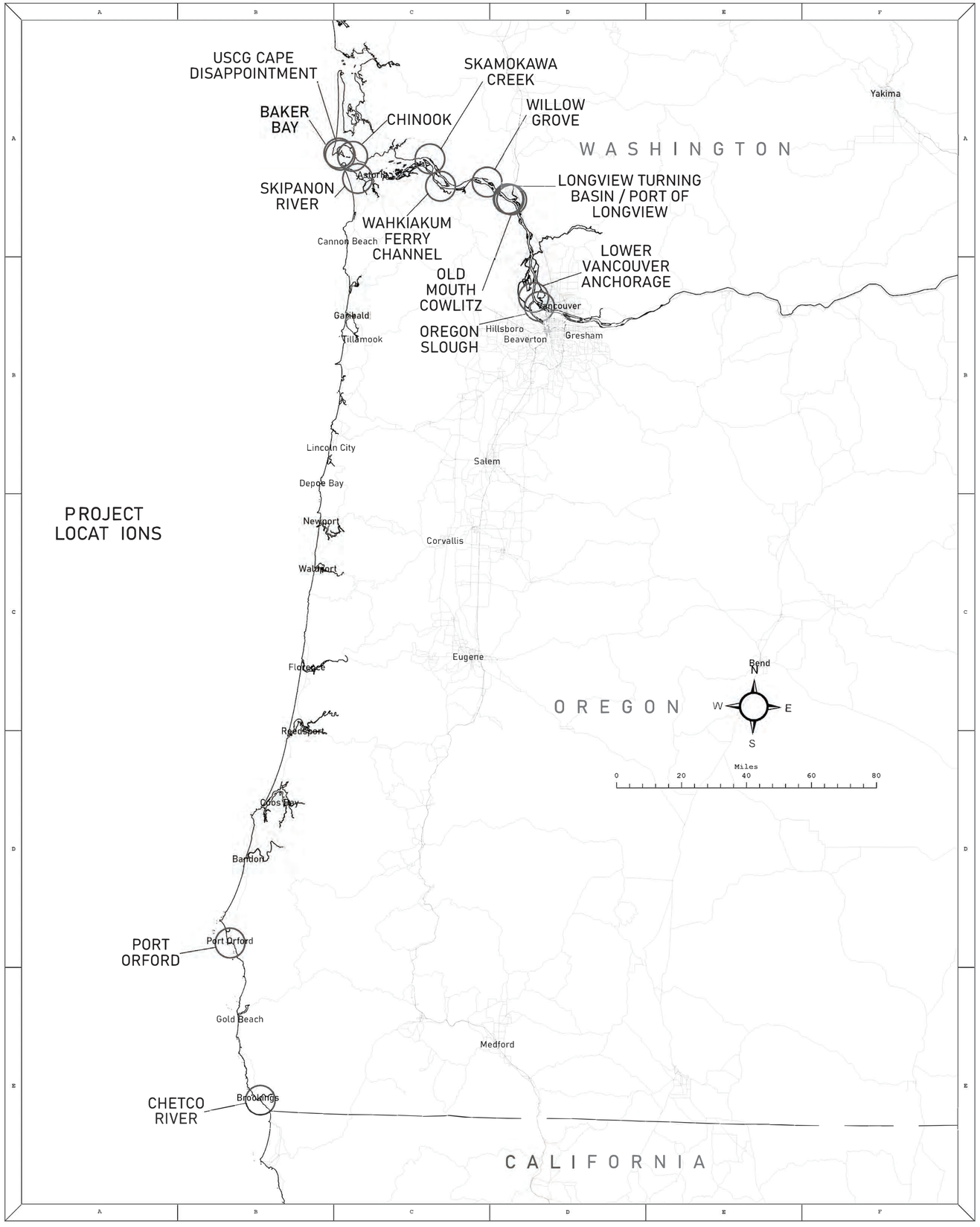
DUYCK.PATRICK.L.1242841189
Digitally signed by DUYCK.PATRICK.L.1242841189
Date: 2026.05.07 13:53:38 -07'00'

PATRICK L. DUYCK, P.E.
CHIEF, ENGINEERING AND CONSTRUCTION DIVISION

CASWELL.LARRY.DALE.JR.1052433432
2026.05.13 12:12:34 -07'00'

COLONEL LARRY CASWELL, JR., P.E., P.M.P
COLONEL, EN
COMMANDING

DATE: _____



PROJECT LOCAT IONS

FILE NAME	DRAWING NUMBER	DESCRIPTION
OWC-IND-000	1	INDEX SHEET AND VICINITY MAP
OWC-CHT-000	2	CHETCO RIVER BOAT BASIN ACCESS CHANNEL - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-CHT-DISP1-000	3	CHETCO RIVER PLACEMENT SITES - PLANNING LAYOUT DRAWING
OWC-POR-000	4	PORT ORFORD - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-POR-DISP1-000	5	PORT ORFORD PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-BB1-000	6	BAKER BAY ACCEPTANCE AREAs 1 & 2 - EXAMPLE LAYOUT DRAWING (PRE/POST)
OWC-BB2-000	7	BAKER BAY ACCEPTANCE AREA 3 - EXAMPLE LAYOUT DRAWING (PRE/POST)
OWC-CGH-000	8	U.S. COAST GUARD STATION CAPE DISAPPOINTMENT - EXAMPLE LAYOUT DRAWING (PRE/POST)
OWC-CHK-000	9	CHINOOK - EXAMPLE LAYOUT DRAWING (PRE/POST)
OWC-SKP-000	10	SKIPANON RIVER - EXAMPLE LAYOUT DRAWING (PRE/POST)
OWC-SKC-000	11	SKAMOKAWA CREEK - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-WFC-000	12	WAHKIAKUM FERRY CHANNEL - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-WGB-000	13	PORT OF LONGVIEW WILLOW GROVE BOAT BASIN - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-LTB-000	14	LONGVIEW TURNING BASIN - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-PL1-000	15	PORT OF LONGVIEW BERTHS 1-4 - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-PL2-000	16	PORT OF LONGVIEW BERTHS 5-9 - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-CWM-000	17	OLD MOUTH COWLITZ - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-VLA-000	18	LOWER VANCOUVER ANCHORAGE - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-OSL-000	19	OREGON SLOUGH LOWER - PLANNING LAYOUT DRAWING (PRE/POST)
OWC-DISP1-000	20	BAKER BAY & CHINOOK & SKIPANON PLACEMENT SITES - PLANNING LAYOUT DRAWING
OWC-DISP2-000	21	U.S. COAST GUARD STATION CAPE DISAPPOINTMENT PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP3-000	22	SKIPANON PLACEMENT SITES - PLANNING LAYOUT DRAWING
OWC-DISP4-000	23	SKAMOKAWA CREEK PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP5-000	24	SKAMOKAWA CREEK PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP6-000	25	SKAMOKAWA CREEK PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP7-000	26	WAHKIAKUM FERRY CHANNEL PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP8-000	27	OLD MOUTH COWLITZ PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP9-000	28	LONGVIEW TURNING BASIN & PORT OF LONGVIEW PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP10-000	29	PORT OF LONGVIEW PLACEMENT SITE - PLANNING LAYOUT DRAWING
OWC-DISP11-000	30	VANCOUVER ANCHORAGE PLACEMENT SITES - PLANNING LAYOUT DRAWING
OWC-DISP12-000	31	VANCOUVER ANCHORAGE PLACEMENT SITES - PLANNING LAYOUT DRAWING
OWC-DISP13-000	32	OREGON SLOUGH & VANCOUVER ANCHORAGE PLACEMENT SITES - PLANNING LAYOUT DRAWING

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY ENGINEER DISTRICT, PORTLAND
CORPS OF ENGINEERS
PORTLAND, OREGON

DESIGN FILE NAME: OWC-TLT-IND-000
CONTRACT NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar 2026
PLOT SCALE: N/A
DESIGNED BY: ARM
CHECKED BY: PPR
DRAWN BY: ARM
AWARD DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

TABLE OF CONTENTS AND VICINITY MAP

FILE NAME
OWC-IND-000

SEE DRAWING
OWC-CHT-DISP1-000
FOR PLACEMENT INFO

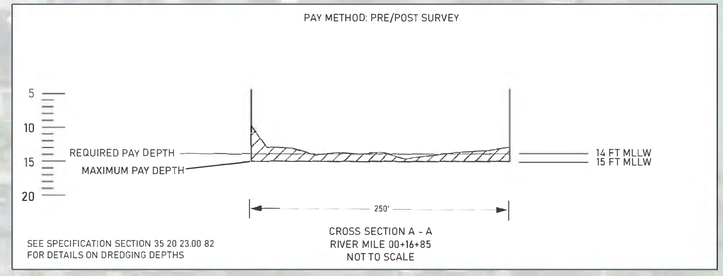
SAFETY IS A PART
OF YOUR CONTRACT

EXAMPLE ACCEPTANCE AREA
UPSTREAM LIMIT
RM 00+20+00

EXAMPLE ACCEPTANCE AREA
DOWNSTREAM LIMIT
RM 00+12+00

ANTICIPATED ROCK AREAS:
DIG TO REFUSAL

VERTICAL SLOPE ALONG
THE FOLLOWING FACES:
B-C
D-E-F-G-H
J-K-L-M



SURVEY DATE: 20-MAR-2026
SOUNDINGS
14 FT CONTOUR (MLLW)
15 FT CONTOUR (MLLW)
HYDROSURVEY DATA SHOWN IS
INTENDED TO BE REPRESENTATIVE
OF THE CONDITIONS PRIOR TO DREDGING

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	3897743.421	161703.121
B	3897819.595	161796.534
C	3897695.526	162433.032
D	3897940.908	162480.863
E	3898012.776	162112.167
F	3897983.330	162106.427
G	3898014.219	161947.959
H	3898082.884	161933.515
I	3898233.054	161660.214
J	3898145.413	161612.058
K	3898049.101	161787.341
L	3897940.250	161810.234
M	3897836.793	161644.966

Feet
0 100 200 300 400

N

LEGEND

- Federal Navigation Channel Centerline
- Federal Navigation Channel
- Contract Dredge Area
- Anticipated Rock Area
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Cardinal
- Buoy, Isolated Danger
- Buoy, Safe Water
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Navigation Chart No. 18587.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon South Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.49 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at the Coast Guard Dock. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is Navigation Chart No. 18587

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT FUEL DOCK: Northing: 161892 Easting: 3898247

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

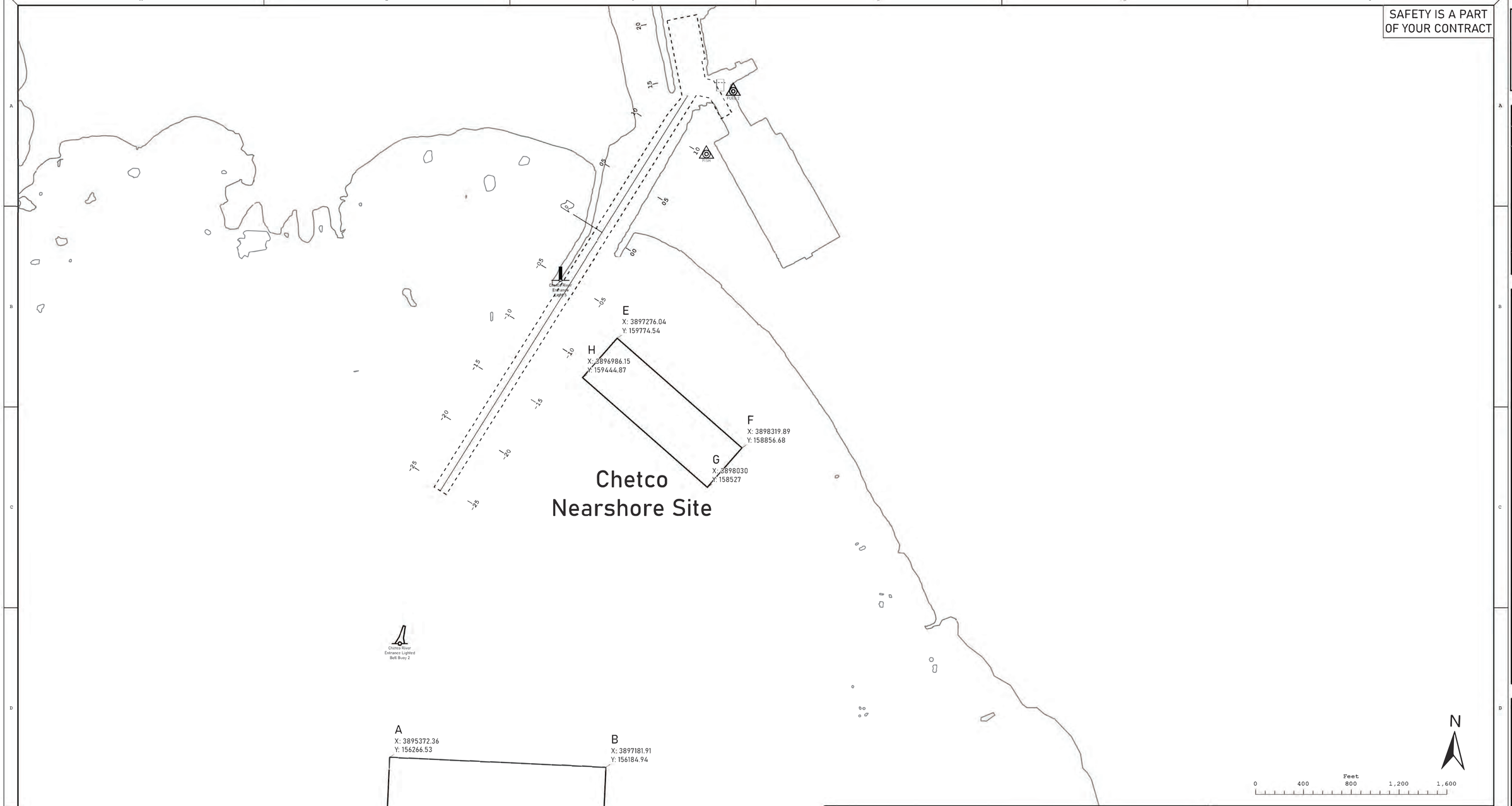
US ARMY ENGINEER DISTRICT, PORTLAND
CORPS OF ENGINEERS
PORTLAND, OREGON

DESIGN FILE NAME: OWC-CHT-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
SERVICE CHIEF, DAM TENDER
PLOT DATE: 27-Apr 2026
PLOT SCALE: 1"=100'
DESIGNED BY: AKM
CHECKED BY: AJB
DRAWN BY: AKM
AWARD DATE: 27-Apr-2026

OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026
RM 00+12+00 TO 00+20+00
CHETCO RIVER BOAT BASIN ACCESS CHANNEL
PLANNING LAYOUT DRAWING

SHEET ID
OWC-CHT-000

SAFETY IS A PART OF YOUR CONTRACT



LEGEND

- Federal Navigation Channel Centerline
- Federal Navigation Channel
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Cardinal
- Buoy, Isolated Danger
- Buoy, Safe Water
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image . S57 Information via NOAA ENC Online, NOAA Navigation Chart No. 18587.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon South Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
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Reference is Navigation Chart No. 18587

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT FUEL DOCK: Northing: 161892 Easting: 3898247

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY ENGINEER DISTRICT, PORTLAND
CORPS OF ENGINEERS
PORTLAND, OREGON

DESIGNED BY: ANN
CHECKED BY: AJB
DRAWN BY: ANN
AWARD DATE: 26-Mar-2026

PLOT SCALE 1"=400'
PLOT DATE 26-Mar-2026
DESIGN FILE NAME: OWC-CHT-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
QUALITY COURSE, INC. DESIGNER

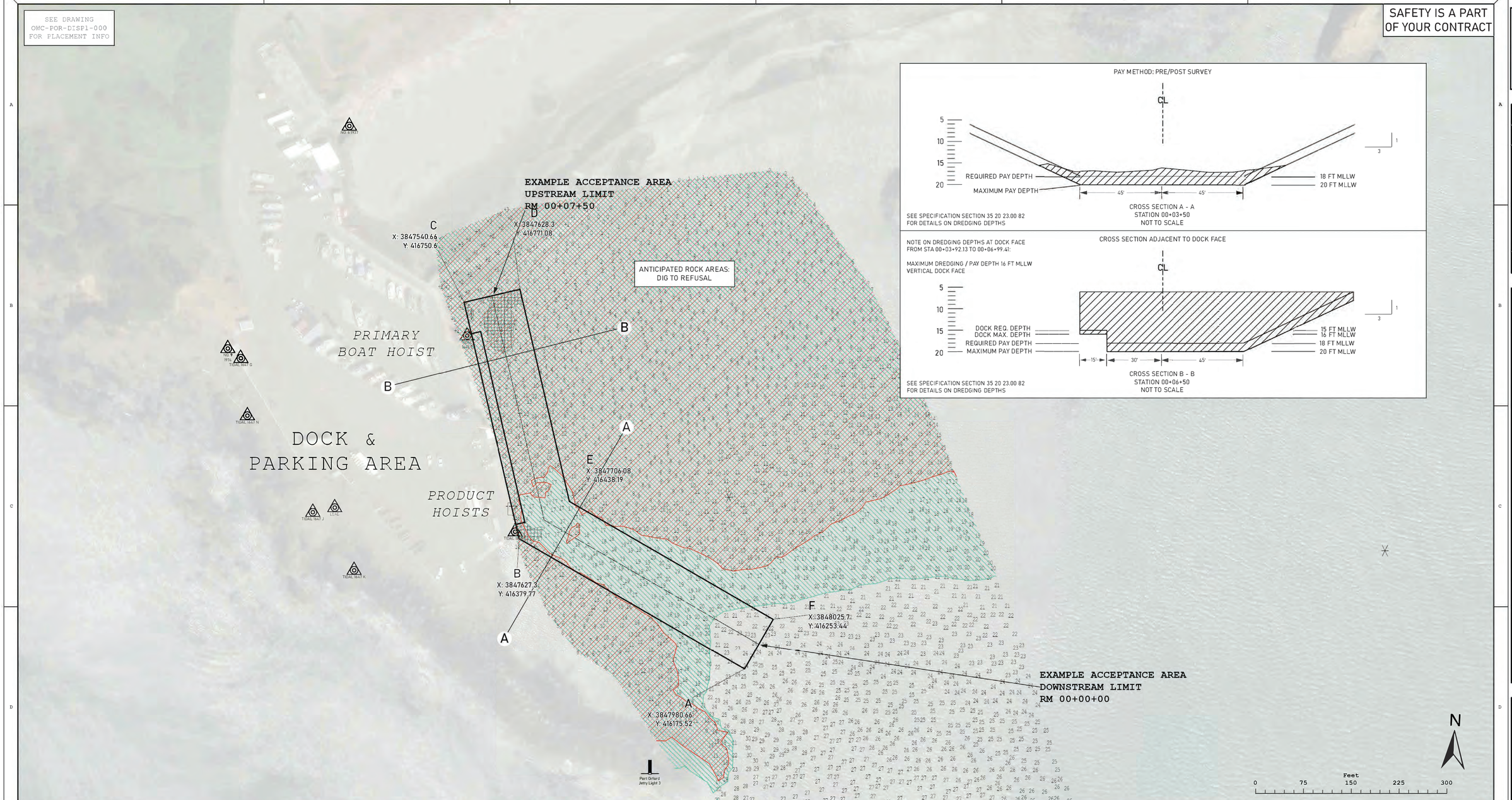
OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

CHETCO RIVER
PLACEMENT SITES
PLANNING LAYOUT DRAWING

SHEET ID
OWC-CHT-DISP1-000

SEE DRAWING
OWC-POR-DISP1-000
FOR PLACEMENT INFO

SAFETY IS A PART
OF YOUR CONTRACT



PAY METHOD: PRE/POST SURVEY

SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
STATION 00+03+50
NOT TO SCALE

CROSS SECTION ADJACENT TO DOCK FACE

NOTE ON DREDGING DEPTHS AT DOCK FACE
FROM STA 00+03+92.13 TO 00+06+99.41:

MAXIMUM DREDGING / PAY DEPTH 16 FT MLLW
VERTICAL DOCK FACE

SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION B - B
STATION 00+06+50
NOT TO SCALE

SURVEY DATE: 31-MAR-2026

SOUNDINGS

16 FT CONTOUR (MLLW)

20 FT CONTOUR (MLLW)

HYDROSURVEY DATA SHOWN IS
INTENDED TO BE REPRESENTATIVE
OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel Centerline
- Federal Navigation Channel
- Contract Dredge Area
- Anticipated Rock Area
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
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- Pipeline Area
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- Buoy, Cardinal
- Buoy, Isolated Danger
- Buoy, Safe Water
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Navigation Chart No. 18589.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon South Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.49 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Port Orford. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is Navigation Chart No. 18589

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT PORT DOCK: Northing: 416426 Easting: 3847615

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY ENGINEER DISTRICT, PORTLAND
CORPS OF ENGINEERS
PORTLAND, OREGON

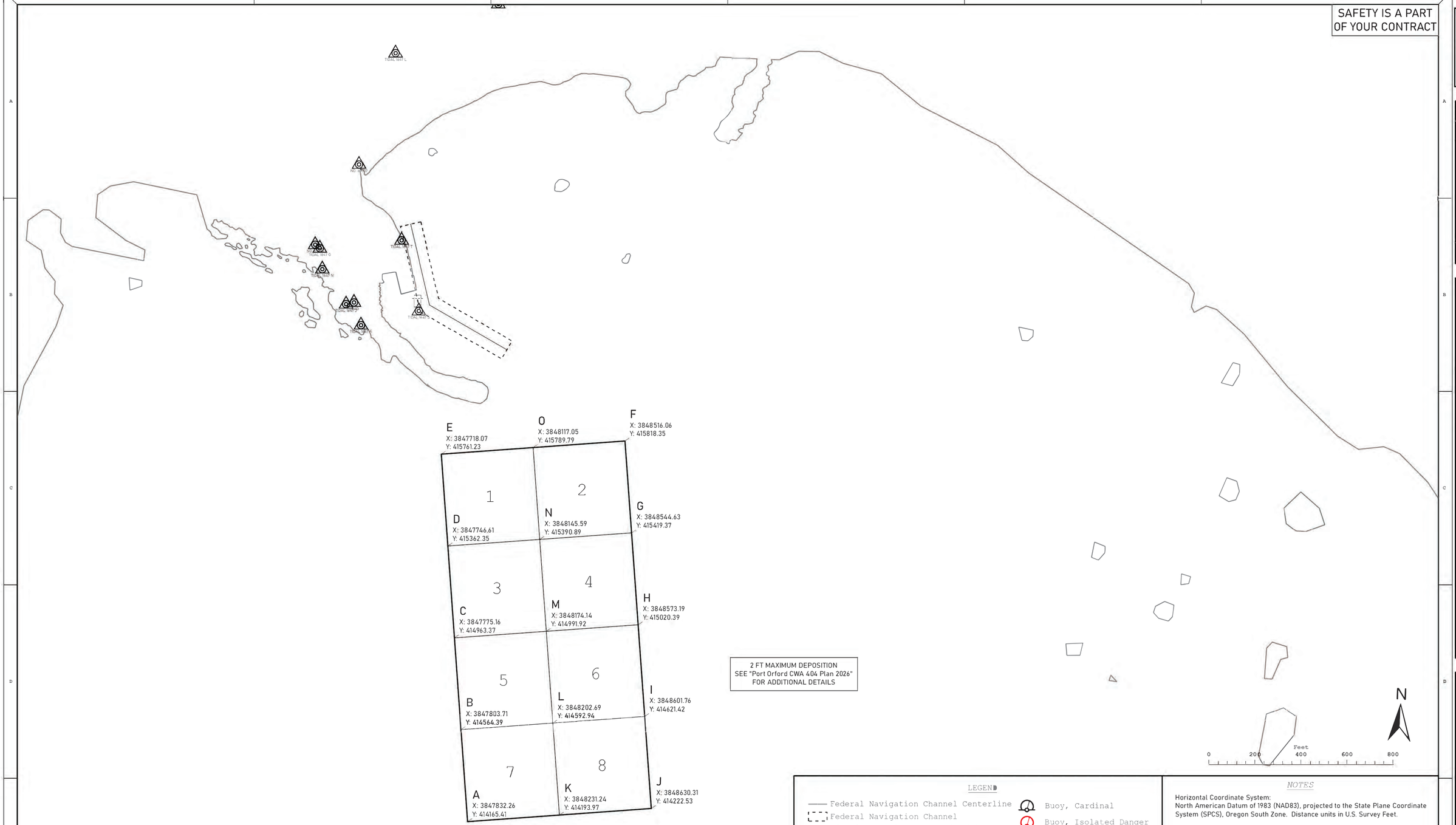
DESIGN FILE NAME: OWC-POR-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 08-Apr-2026
PLOT SCALE: 1"=75'
DESIGNED BY: ANN
CHECKED BY: PPR
DRAWN BY: ANN
AWARD DATE: 08-Apr-2026

OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026

PORT ORFORD
RM 00+00+00 TO 00+07+50
PLANNING LAYOUT DRAWING

SHEET ID
OWC-POR-000

SAFETY IS A PART OF YOUR CONTRACT



LEGEND

- Federal Navigation Channel Centerline
- Federal Navigation Channel
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Cardinal
- Buoy, Isolated Danger
- Buoy, Safe Water
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image , S57 Information via NOAA ENC Online, NOAA Navigation Chart No. 18589.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon South Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.49 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Port Orford. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is Navigation Chart No. 18589

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT PORT DOCK: Northing: 416426 Easting: 3847615

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY ENGINEER DISTRICT, PORTLAND
CORPS OF ENGINEERS
PORTLAND, OREGON

DESIGN FILE NAME: OWC-POR-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 30-Mar-2026
PLOT SCALE: 1":200'
DESIGNED BY: ANN
CHECKED BY: PPR
DRAWN BY: ANN
AWARD DATE: 30-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

PORT ORFORD
404 NEARSHORE PLACEMENT SITE
PLANNING LAYOUT DRAWING

SHEET ID
OWC-POR-DISP1-000

SEE DRAWING OWC-DISP1-000 FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT

US Army Corps of Engineers®
Portland District

EXAMPLE ACCEPTANCE AREA 3
UPSTREAM LIMIT
RM 01+29+00

A
X: 7305881.77
Y: 973119.46

D
X: 7305838.61
Y: 972975.81

B
X: 7307031.01
Y: 972774.14

EXAMPLE ACCEPTANCE AREA 3
DOWNSTREAM LIMIT
RM 01+16+00

C
X: 7306987.85
Y: 972630.48

E
X: 7307460.4
Y: 972474.58

EXAMPLE ACCEPTANCE AREA 2
UPSTREAM LIMIT
RM 01+12+00

P
X: 7307366.94
Y: 972357.26

F
X: 7307939.71
Y: 972092.74

O
X: 7307835.08
Y: 971984.31

G
X: 7308330.98
Y: 971635.94

N
X: 7308217.06
Y: 971538.36

BOUNDARY OF EXAMPLE
ACCEPTANCE AREAS 1 & 2
RM 01+00+00

H
X: 7309085.59
Y: 970754.96

M
X: 7308959.05
Y: 970672.11

I
X: 7309431.82
Y: 970040.25

L
X: 7309218.85
Y: 970135.82

J
X: 7309596.33
Y: 968675.59

K
X: 7309397.77
Y: 968651.65

EXAMPLE ACCEPTANCE AREA 1
DOWNSTREAM LIMIT
RM 00+20+00

Ruby Island

Cape Disappointment

West Sand Island

Jetty A

OREGON
WASHINGTON

Baker Bay West Channel Light 14

Columbia River Entrance Range Rear Light

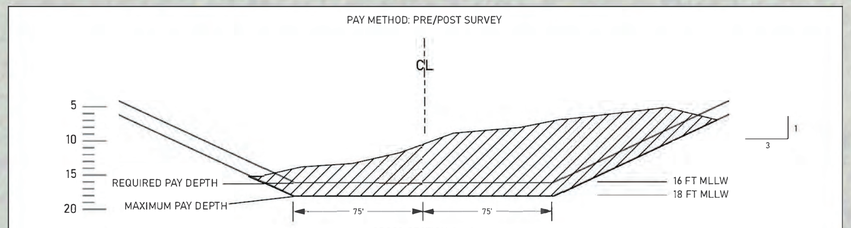
Baker Bay West Channel Buoy "A"

Baker Bay West Channel Buoy "K"

Baker Bay West Channel Entrance Jetty Light 2

Desdemona Sands Channel Leading Light

PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82 FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 01+07+72
NOT TO SCALE

AA1 SURVEY DATE: 04-AUG-2025
- SOUNDINGS
- 16 FT CONTOUR (MLLW)
- 18 FT CONTOUR (MLLW)

AA2 SURVEY DATE: 25-AUG-2025
- SOUNDINGS
- 16 FT CONTOUR (MLLW)
- 18 FT CONTOUR (MLLW)

AA3 SURVEY DATE: 27-AUG-2025
- SOUNDINGS
- 15 FT CONTOUR (MLLW)
- 17 FT CONTOUR (MLLW)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

N

SCALE IN FEET
0 250 500 750 1,000

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.59 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 2.6. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT USCG BOAT DOCK; Northing: 973042 Easting: 7305497

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

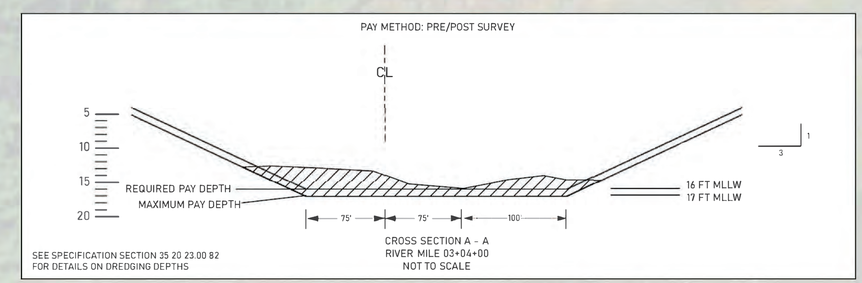
DESIGN FILE NAME: OWC-BB-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar 2026
PLOT SCALE: 1"=250'
DESIGNED BY: ASM
CHECKED BY: PPR
DRAWN BY: ASM
ISSUE DATE: 26-Mar-2026

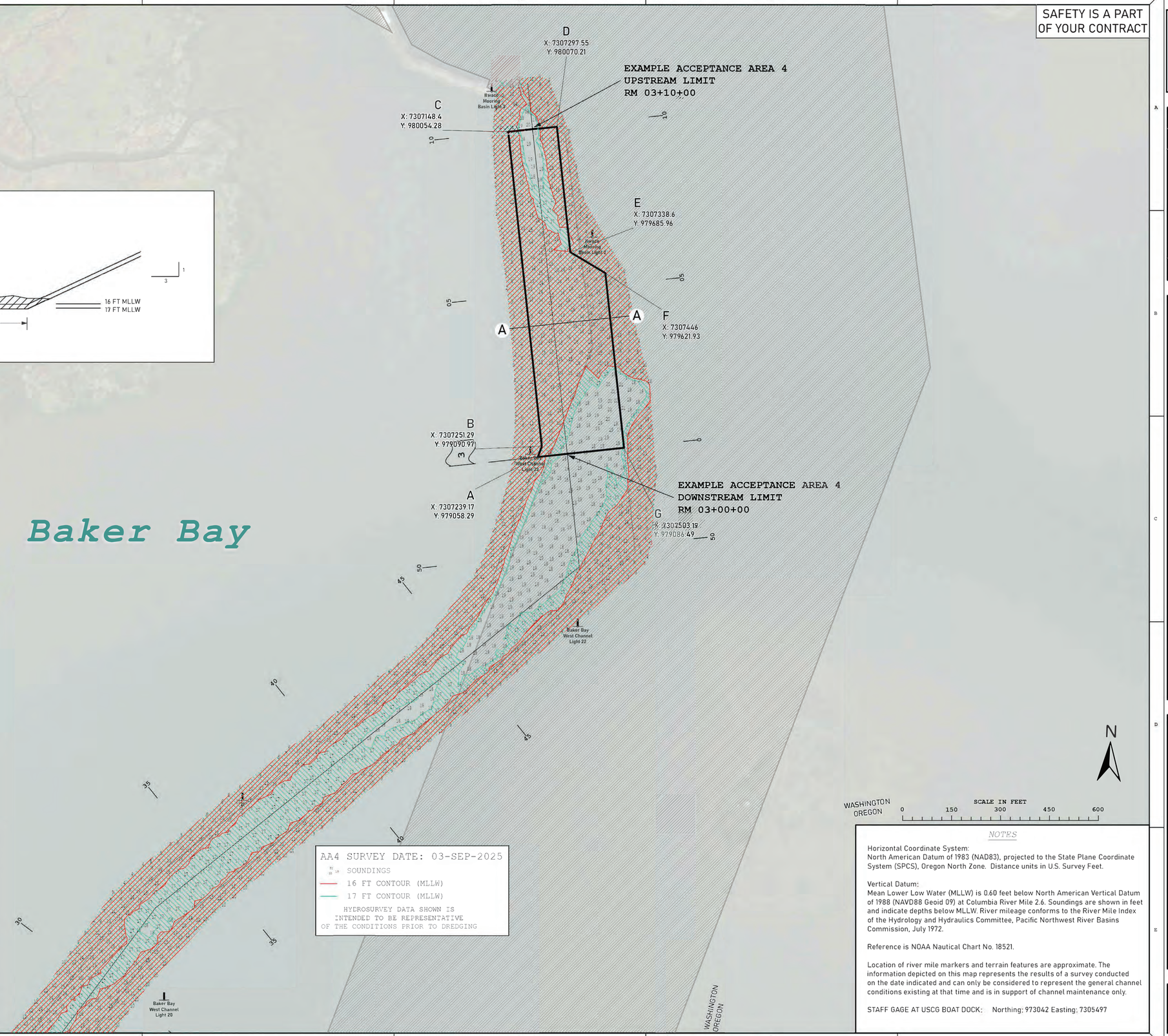
OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026
BAKER BAY
RM 00+20+00 TO 01+12+00 &
RM 01+16+00 TO 01+29+00
EXAMPLE LAYOUT DRAWING

SHEET ID
OWC-BB1-000

SEE DRAWING
OWC-DISP1-000
FOR PLACEMENT INFO

SAFETY IS A PART
OF YOUR CONTRACT





AA4 SURVEY DATE: 03-SEP-2025

SOUNDINGS
16 FT CONTOUR (MLLW)
17 FT CONTOUR (MLLW)

HYDROSURVEY DATA SHOWN IS
INTENDED TO BE REPRESENTATIVE
OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.60 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 2.6. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT USCG BOAT DOCK; Northing; 973042 Easting; 7305497

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-BB-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":150'
DESIGNED BY: ARM
CHECKED BY: PPR
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026

BAKER BAY
RM 03+00+00 TO 03+10+00
EXAMPLE LAYOUT DRAWING

SHEET ID
OWC-BB2-000

SEE DRAWING OWC-DISP2-000 FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT

ACCEPTANCE AREA 1
UPSTREAM LIMIT
RM 01+30+23.88

APPROXIMATE LOCATION OF FLOATING DOCKS, BREAKWATER, AND PIER STRUCTURE

VERTICAL SLOPE BETWEEN POINTS U AND A

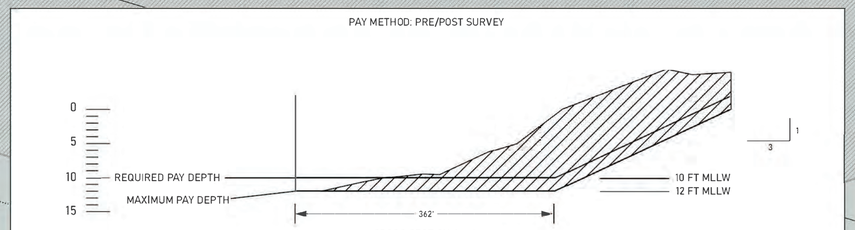
ACCEPTANCE AREA 1
DOWNSTREAM LIMIT
RM 01+26+75.91

APPROXIMATE LOCATION OF HAUL OUT PIERS

ANTICIPATED DISTANCE BETWEEN HAUL OUT PIERS IS 17.5 FT

APPROXIMATE LOCATION OF REMNANT ROCK GROIN STRUCTURE. CREST ELEVATION IS UNKNOWN.

PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82 FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
HAUL OUT AREA
NOT TO SCALE

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	7305708.780	972974.224
B	7305789.688	972922.301
C	7306013.383	972778.743
D	7305992.039	972745.473
E	7305971.277	972741.417
F	7305952.470	972739.755
G	7305943.435	972732.029
H	7305932.009	972725.188
I	7305924.442	972716.993
J	7305915.738	972718.614
K	7305901.385	972717.811
L	7305895.445	972719.347
M	7305875.531	972738.648
N	7305857.552	972737.951
O	7305847.809	972740.252
P	7305831.949	972746.215
Q	7305815.667	972749.156
R	7305765.894	972771.121
S	7305747.979	972783.609
T	7305714.144	972803.466
U	7305633.228	972850.953

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

SURVEY DATE: 12-JAN-2026

- SOUNDINGS
- 10 FT CONTOUR (MLLW)
- 12 FT CONTOUR (MLLW)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

N

SCALE IN FEET
0 25 50 75 100

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.59 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 2.6. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT USCG BOAT DOCK: Northing: 973042 Easting: 7305497

US Army Corps of Engineers®
Portland District

MARK	DESCRIPTION	DATE	APPR.

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

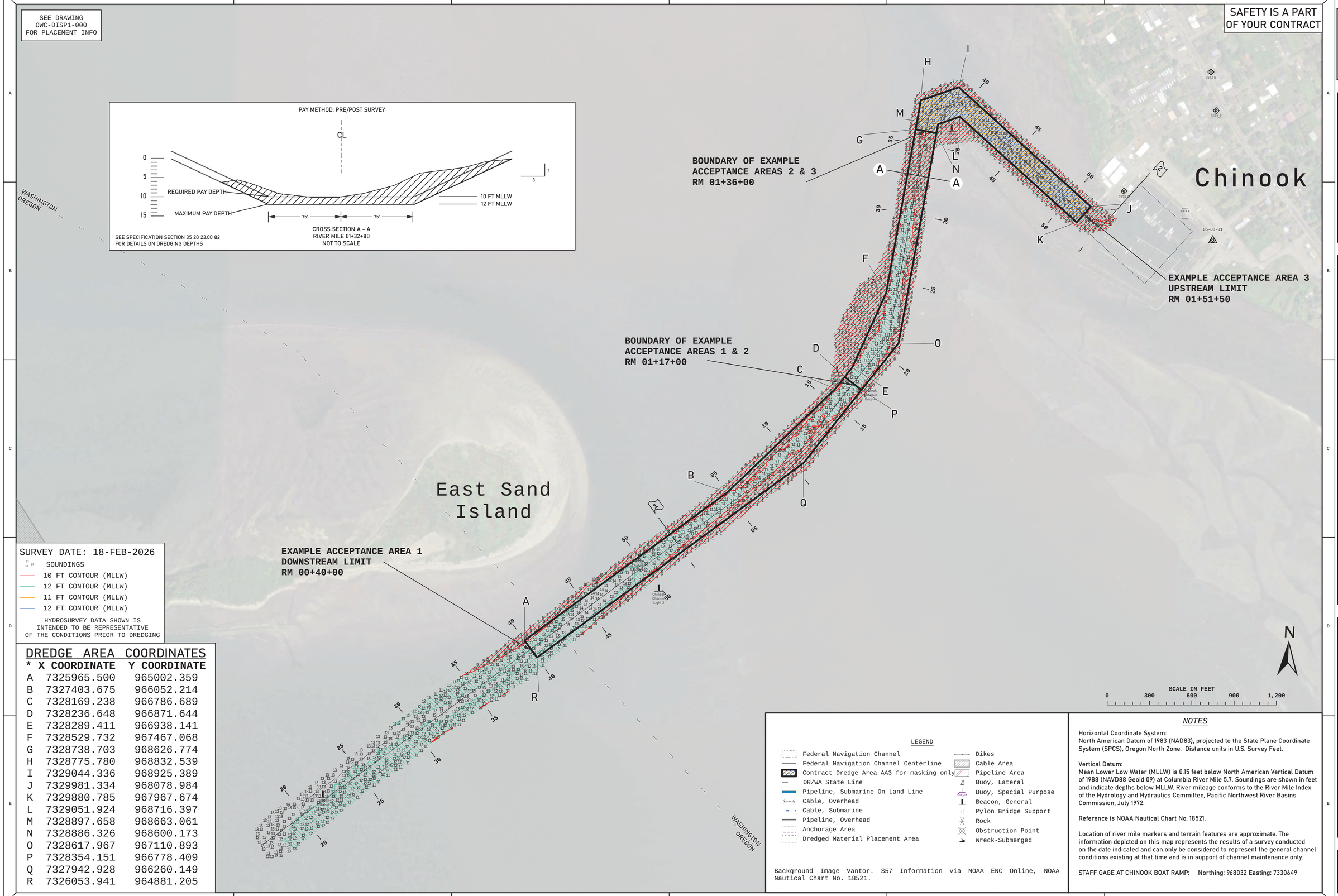
DESIGN FILE NAME: OWC-CGH-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 02-APR-2026
PLOT SCALE: 1":25'
DESIGNED BY: ARM
CHECKED BY: PPR
DRAWN BY: ARM
ISSUE DATE: 02-APR-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026
U.S. COAST GUARD
STATION CAPE DISAPPOINTMENT
HAUL OUT AREA
PLANNING LAYOUT DRAWING

SHEET ID
OWC-CGH-000

SEE DRAWING
OWC-DISP1-000
FOR PLACEMENT INFO

SAFETY IS A PART
OF YOUR CONTRACT



SURVEY DATE: 18-FEB-2026

- SOUNDINGS
- 10 FT CONTOUR (MLLW)
- 12 FT CONTOUR (MLLW)
- 11 FT CONTOUR (MLLW)
- 12 FT CONTOUR (MLLW)

HYDROSURVEY DATA SHOWN IS
INTENDED TO BE REPRESENTATIVE
OF THE CONDITIONS PRIOR TO DREDGING

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	7325965.500	965002.359
B	7327403.675	966052.214
C	7328169.238	966786.689
D	7328236.648	966871.644
E	7328289.411	966938.141
F	7328529.732	967467.068
G	7328738.703	968626.774
H	7328775.780	968832.539
I	7329044.336	968925.389
J	7329981.334	968078.984
K	7329880.785	967967.674
L	7329051.924	968716.397
M	7328897.658	968663.061
N	7328886.326	968600.173
O	7328617.967	967110.893
P	7328354.151	966778.409
Q	7327942.928	966260.149
R	7326053.941	964881.205

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area AA3 for masking only
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.15 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 5.7. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT CHINOOK BOAT RAMP: Northing: 968032 Easting: 7330649

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-CHK-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS, DEPUTY CHIEF, NAVC DIVISION
PLOT DATE: 23-Apr 2026
PLOT SCALE: 1":300'
DESIGNED BY: AKM
CHECKED BY: PPR
DRAWN BY: AKM
ISSUE DATE: 23-Apr-2026

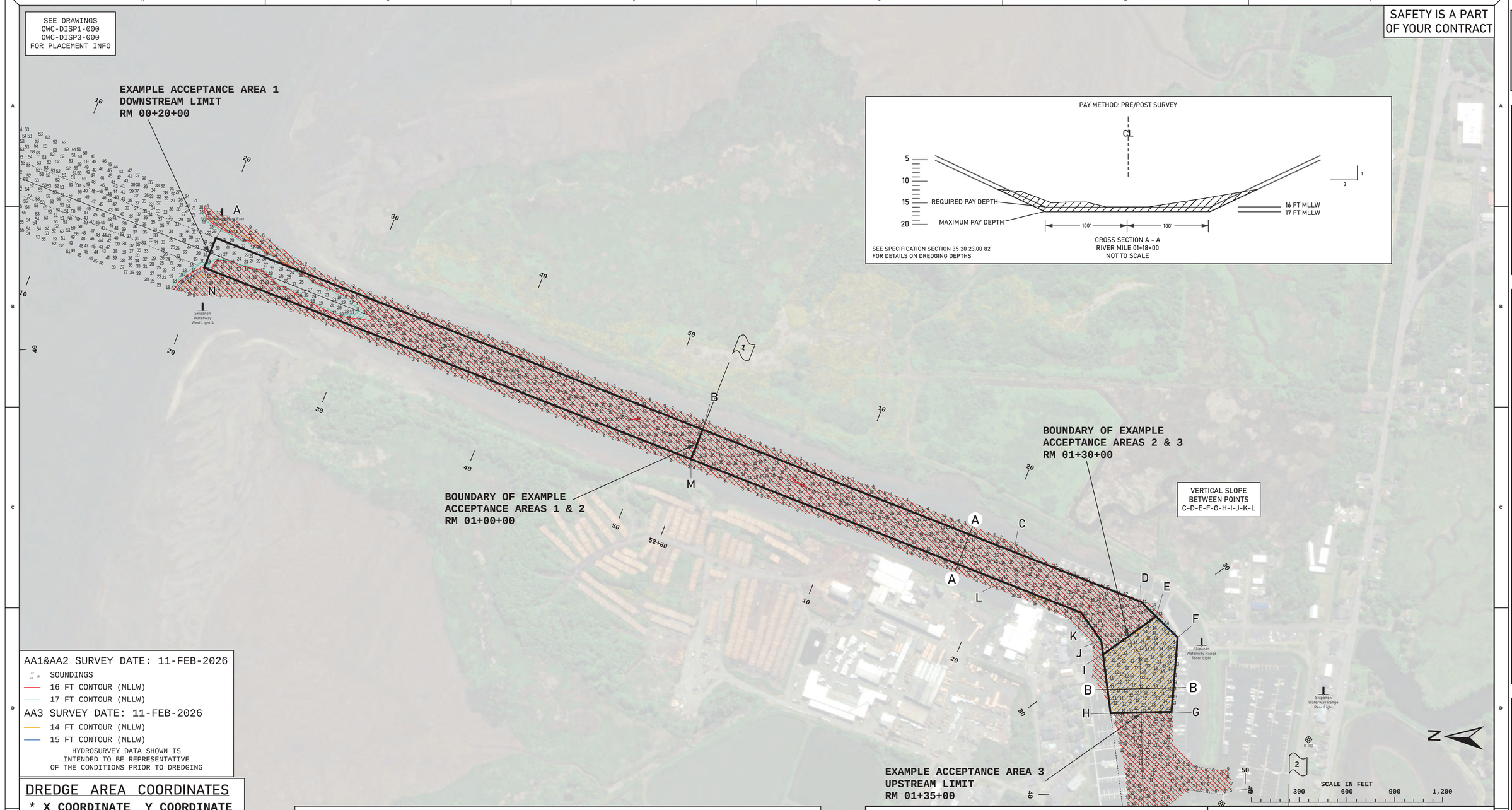
OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

CHINOOK
RM 00+40+00 TO 01+51+50
EXAMPLE LAYOUT DRAWING

SHEET ID
OWC-CHK-000

SEE DRAWINGS
OWC-DISP1-000
OWC-DISP3-000
FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT



PAY METHOD: PRE/POST SURVEY

SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

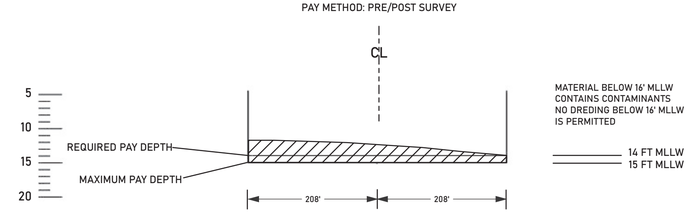
CROSS SECTION A - A
RIVER MILE 01+18+00
NOT TO SCALE

AA1&AA2 SURVEY DATE: 11-FEB-2026
SOUNDINGS
16 FT CONTOUR (MLLW)
17 FT CONTOUR (MLLW)
AA3 SURVEY DATE: 11-FEB-2026
14 FT CONTOUR (MLLW)
15 FT CONTOUR (MLLW)
HYDROSURVEY DATA SHOWN IS
INTENDED TO BE REPRESENTATIVE
OF THE CONDITIONS PRIOR TO DREDGING

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	7339441.097	936058.055
B	7338239.172	933001.118
C	7337470.756	931046.754
D	7337156.438	930247.327
E	7337065.304	930153.516
F	7336934.012	930018.366
G	7336466.946	930056.869
H	7336458.493	930439.271
I	7336827.632	930486.887
J	7336912.726	930497.863
K	7337089.627	930623.982
L	7337284.627	931119.937
M	7338053.042	933074.301
N	7339254.967	936131.237

PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION B - B
RIVER MILE 01+33+50
NOT TO SCALE

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.13 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 10.9. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT SKIPANON BOAT BASIN: Northing: 929630 Easting: 7335381

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-SKP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS, DEPUTY CHIEF, NAVC DIVISION
PLOT DATE 30-Mar 2026
PLOT SCALE 1'':300'
DESIGNED BY: AKM
CHECKED BY: PPR
DRAWN BY: AKM
ISSUE DATE: 30-Mar-2026

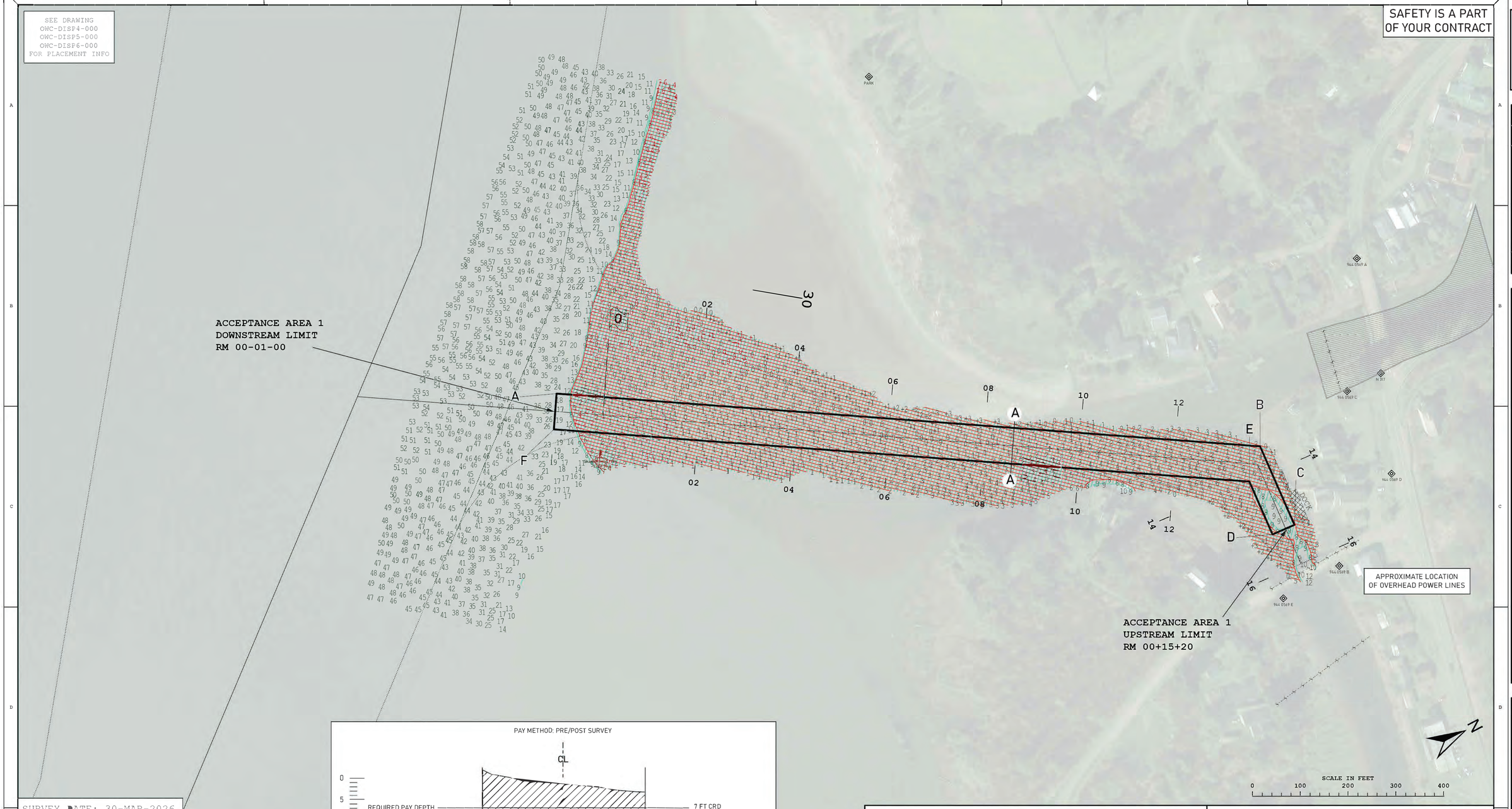
OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026

SKIPANON RIVER
RM 00+20+00 TO 01+35+00
EXAMPLE LAYOUT DRAWING

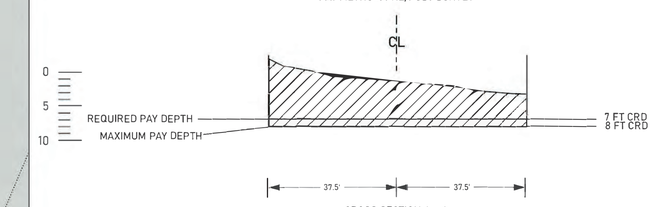
SHEET ID
OWC-SKP-000

SEE DRAWING
OWC-DISP4-000
OWC-DISP5-000
OWC-DISP6-000
FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT



PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 00+08+60
NOT TO SCALE

SURVEY DATE: 30-MAR-2026

SOUNDINGS
7 FT CONTOUR (CRD)
8 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	7453829.078	961392.954
B	7454660.481	962612.159
C	7454838.265	962592.397
D	7454832.743	962542.707
E	7454712.960	962556.020
F	7453891.040	961350.700

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 1.34 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 32.9, 1.37 feet above at River Mile 34.6, and 1.40 feet above at River Mile 36.6. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 31: Northing: 892920 Easting: 7584864
STAFF GAGE AT LIGHT 39: Northing: 947859 Easting: 7462383

US Army Corps of Engineers®
Portland District

MARK	DESCRIPTION	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

SOLICITATION NO.: W9127N26BA009
DESIGN FILE NAME: OWC-SRC-000
SUBMITTED BY: KARLA G. ELLIS
QUALITY COORD. MAC DEPEREE
PLOT DATE: 01-Apr-2026
PLOT SCALE: 1"=100'
DESIGNED BY: ARM
CHECKED BY: PPR
DRAWN BY: ARM
ISSUE DATE: 01-Apr-2026

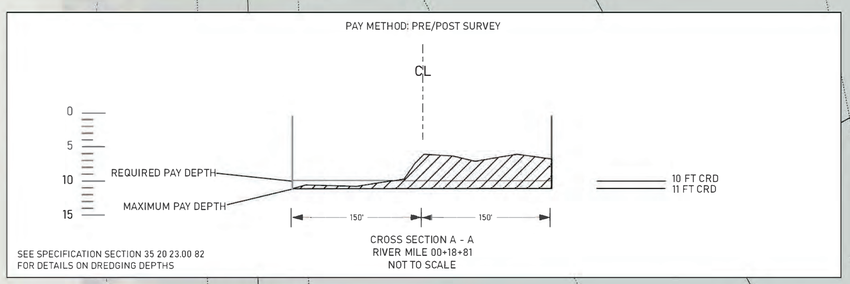
OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026

SKAMOKAWA CREEK
RM 00-01-00 TO 00+15+20
PLANNING LAYOUT DRAWING

SHEET ID
OWC-SKC-000

SEE DRAWING
OWC-DISP7-000
FOR PLACEMENT INFO

SAFETY IS A PART
OF YOUR CONTRACT



WASHINGTON
OREGON

ACCEPTANCE AREA 1
DOWNSTREAM LIMIT
RM 00+15+00

A
X: 7472564.57
Y: 919118.75

B
X: 7472924.22
Y: 919648

C
X: 7473172.35
Y: 919479.38

D
X: 7472812.64
Y: 918950.04

ACCEPTANCE AREA 1
UPSTREAM LIMIT
RM 00+21+40

21+40

EBB/FLOOD

SCALE IN FEET
0 150 300 450 600

N

SURVEY DATE: 12-MAR-2026
SOUNDINGS
10 FT CONTOUR (CRD)
11 FT CONTOUR (CRD)
HYDROSURVEY DATA SHOWN IS
INTENDED TO BE REPRESENTATIVE
OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 1.46 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 43.3, 1.49 feet above at River Mile 44.6. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT DIKE LIGHT 58: Northing: 917209 Easting: 7472226
STAFF GAGE AT DIKE 4458: Northing: 915247 Easting: 7478738

US Army Corps of Engineers®
Portland District

MARK	DESCRIPTION	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-WFC-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1"=150'
DESIGNED BY: AKM
CHECKED BY: PPR
DRAWN BY: AKM
ISSUE DATE: 26-Mar-2026

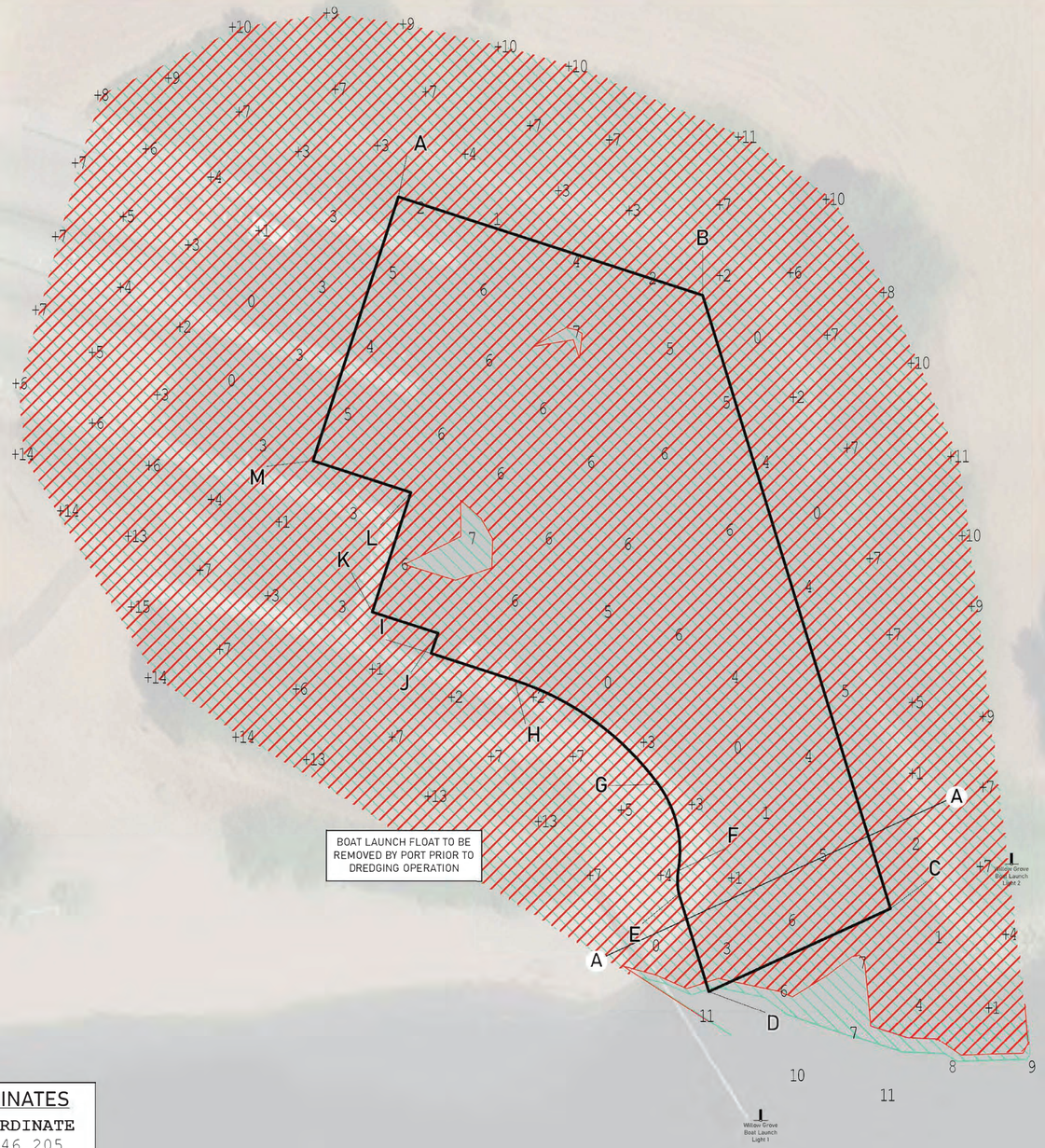
OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026

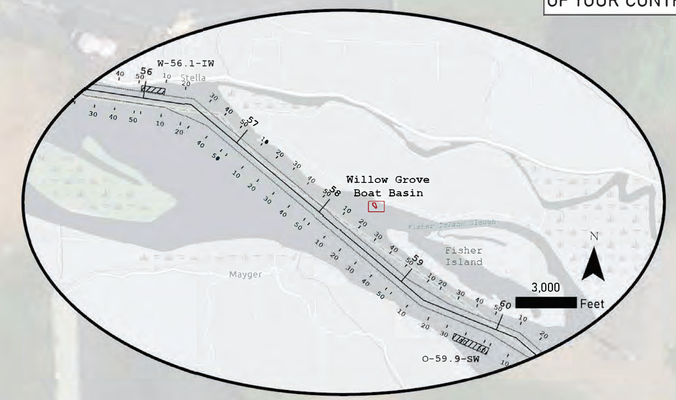
WAHKIAKUM FERRY CHANNEL
RM 00+15+00 TO 00+21+40 WA SIDE
PLANNING LAYOUT DRAWING

SHEET ID
OWC-WFC-000

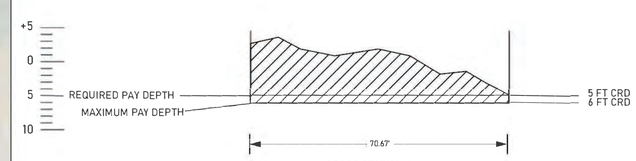
SEE DRAWING
OWC-DISP9-000
OWC-DISP10-000
FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT





PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
BOAT BASIN
NOT TO SCALE

N

SCALE IN FEET
0 25 50 75 100

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	7547227.910	924646.205
B	7547335.548	924611.385
C	7547402.024	924394.513
D	7547337.740	924365.160
E	7547327.112	924399.855
F	7547326.906	924407.856
G	7547319.881	924438.454
H	7547269.047	924475.219
I	7547239.476	924484.777
J	7547241.941	924491.889
K	7547218.663	924499.382
L	7547232.331	924541.658
M	7547197.699	924552.862

CURVE	CHORD DIRECTION	RADIUS	ARC LENGTH
E-F	N1-28-30W	24 US FT	8.04 US FT
F-G	N12-55-47W	40 US FT	32.26 US FT
G-H	N54-07-28W	102 US FT	63.77 US FT

SURVEY DATE: 01-SEP-2025

SOUNDINGS
5 FT CONTOUR (CRD)
6 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Sources: Esri, TomTom, Garmin, (c) OpenStreetMap contributors, and the

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 2.12 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 57.6. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18524.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 3: Northing: 926110 Easting: 7543090
STAFF GAGE AT FRONT RANGE: Northing: 930080 Easting: 7537470

US Army Corps of Engineers®
Portland District

MARK	REVISION	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-WGB-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 29-Apr 2026
PLOT SCALE: 1"=25'
DESIGNED BY: ANM
CHECKED BY: PPR
DRAWN BY: ANM
ISSUE DATE: 29-Apr-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

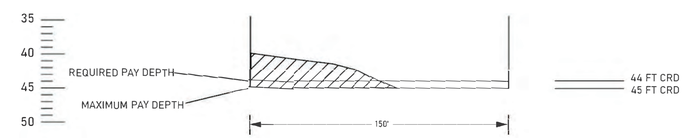
PORT OF LONGVIEW
WILLOW GROVE BOAT BASIN
PLANNING LAYOUT DRAWING

SHEET ID
OWC-WGB-000

SEE DRAWING OWC-DISP9-000 FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT

PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82 FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 66+49+67
NOT TO SCALE

D
X: 7581712.62
Y: 897097.53

A
X: 7581782.15
Y: 897231.14

B
X: 7582665.62
Y: 896726.82

C
X: 7582726.47
Y: 896519.9

ACCEPTANCE AREA 1
DOWNSTREAM LIMIT
RM 66+41+00

ACCEPTANCE AREA 1
UPSTREAM LIMIT
RM 67+00+74

PORT OF LONGVIEW DREDGE AREA
SEE DRAWING OWC-FL2-000

FLOW

WASHINGTON
OREGON

Rainier

SCALE IN FEET
0 250 500 750 1,000

N

SURVEY DATE: 19-MAR-2026

SOUNDINGS
44 FT CONTOUR (CRD)
45 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- Port of Longview Dredge Areas
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18524.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 2.51 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 64.5. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18524.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT RAINIER: Northing: 892612 Easting: 7584970

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGNED BY: ARM
CHECKED BY: PPR
DRAWN BY: ARM
ISSUE DATE: 28-APR-2026

PLOT DATE: 28-Apr-2026
PLOT SCALE: 1"=250'
DESIGN FILE NAME: OWC-LTB-000
SUBMITTED BY: KARLA G. ELLIS
SERVICE CHIEF, DAM PROTECTION
SOLICITATION NO.: W9127N26BA009

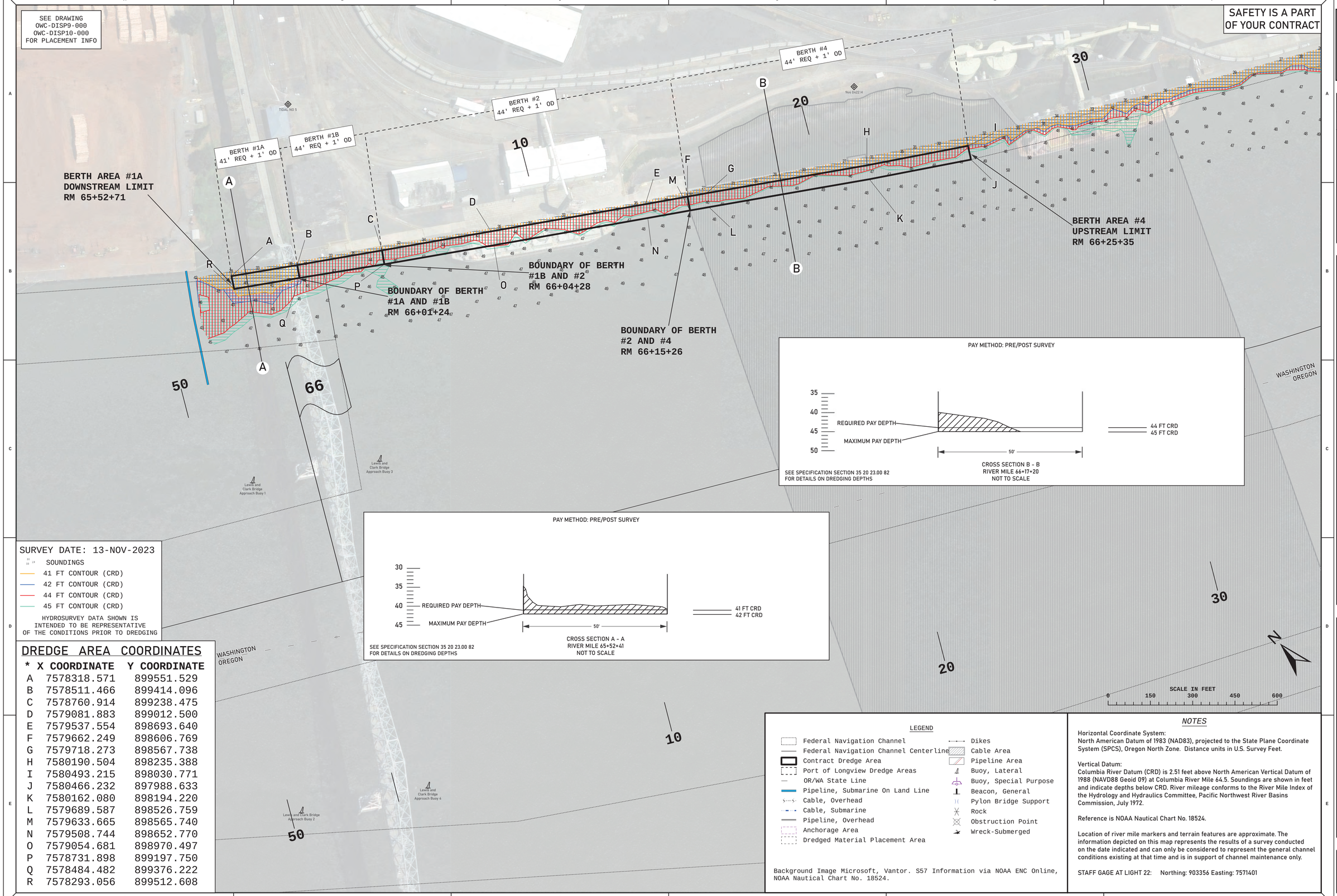
OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

LONGVIEW TURNING BASIN
RM 66+41+00 TO 67+00+74
PLANNING LAYOUT DRAWING

SHEET ID
OWC-LTB-000

SEE DRAWING
OWC-DISP9-000
OWC-DISP10-000
FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT



PAY METHOD: PRE/POST SURVEY

SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION B - B
RIVER MILE 66+17+20
NOT TO SCALE

PAY METHOD: PRE/POST SURVEY

SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 65+52+41
NOT TO SCALE

SURVEY DATE: 13-NOV-2023

- SOUNDINGS
- 41 FT CONTOUR (CRD)
- 42 FT CONTOUR (CRD)
- 44 FT CONTOUR (CRD)
- 45 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	7578318.571	899551.529
B	7578511.466	899414.096
C	7578760.914	899238.475
D	7579081.883	899012.500
E	7579537.554	898693.640
F	7579662.249	898606.769
G	7579718.273	898567.738
H	7580190.504	898235.388
I	7580493.215	898030.771
J	7580466.232	897988.633
K	7580162.080	898194.220
L	7579689.587	898526.759
M	7579633.665	898565.740
N	7579508.744	898652.770
O	7579054.681	898970.497
P	7578731.898	899197.750
Q	7578484.482	899376.222
R	7578293.056	899512.608

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- Port of Longview Dredge Areas
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18524.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 2.51 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 64.5. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18524.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 22: Northing: 903356 Easting: 7571401

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-PL-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS, DEPUTY CHIEF, NAVC DIVISION
PLOT DATE: 30-Apr 2026
PLOT SCALE: 1'':150'
DESIGNED BY: AKM
CHECKED BY: PPR
DRAWN BY: AKM
ISSUE DATE: 30-Apr-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026
PORT OF LONGVIEW TERMINAL
BERTHS #1A, #1B, #2, #4
RM 65+52+71 TO 66+25+35
PLANNING LAYOUT DRAWING

SHEET ID
OWC-PL1-000

SEE DRAWING
OWC-DISP9-000
OWC-DISP10-000
FOR PLACEMENT INFO

SAFETY IS A PART
OF YOUR CONTRACT

BERTH AREA #5
DOWNSTREAM LIMIT
RM 66+25+35

BOUNDARY OF BERTH
#5 AND #6
RM 66+34+41

BOUNDARY OF BERTH
#6 AND #7
RM 66+42+15

BOUNDARY OF BERTH
#7 AND #8/9
RM 66+49+39

BERTH AREA #8/9
UPSTREAM LIMIT
RM 67+15+21

BERTH #5
44' REQ + 1' OD

BERTH #6
41' REQ + 1' OD

BERTH #7
41' REQ + 1' OD

BERTH #8/9
44' REQ + 1' OD

WASHINGTON
OREGON

FLOW

APPROX. LOCATION
OF OUTFALL PIPE
RM 67+23+00

SCALE IN FEET
0 200 400 600 800

N

PAY METHOD: PRE/POST SURVEY

35
40
45
50

REQUIRED PAY DEPTH
MAXIMUM PAY DEPTH

50'

44 FT CRD
45 FT CRD

SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 66+49+67
NOT TO SCALE

SURVEY DATE: 13-NOV-2023

SOUNDINGS
41 FT CONTOUR (CRD)
42 FT CONTOUR (CRD)
44 FT CONTOUR (CRD)
45 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS
INTENDED TO BE REPRESENTATIVE
OF THE CONDITIONS PRIOR TO DREDGING

DREDGE AREA COORDINATES

*	X COORDINATE	Y COORDINATE
A	7580493.215	898030.771
B	7580684.171	897915.011
C	7581130.117	897659.609
D	7581233.571	897602.488
E	7581904.939	897218.343
F	7582453.943	896904.232
G	7582533.517	896856.265
H	7583096.296	896532.666
I	7583049.573	896448.677
J	7582987.452	896458.491
K	7582971.075	896379.981
L	7584040.440	895953.774
M	7583835.840	895516.813
N	7582874.335	896017.137
O	7582874.301	896017.137
P	7582665.616	896726.817
Q	7582510.112	896814.944
R	7581880.513	897174.732
S	7581209.064	897558.879
T	7581105.601	897616.004
U	7580658.777	897871.910
V	7580466.232	897988.633

PAY METHOD: PRE/POST SURVEY

30
35
40
45

REQUIRED PAY DEPTH
MAXIMUM PAY DEPTH

50'

41 FT CRD
42 FT CRD

SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION B - B
RIVER MILE 66+45+00
NOT TO SCALE

Rainier

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area - 5/8/9
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18524.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 2.51 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 64.5. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18524.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT RAINIER: Northing: 892612 Easting: 7584970

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

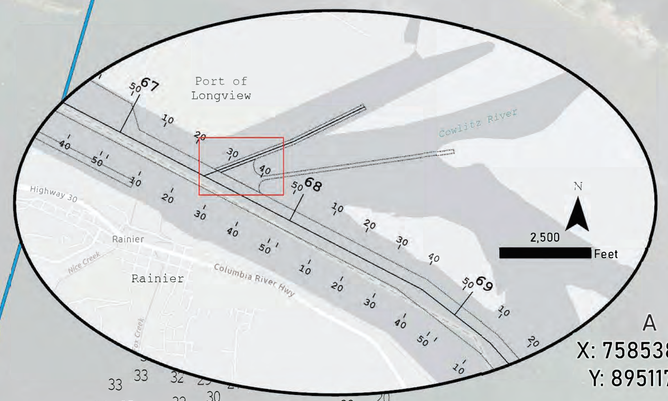
DESIGN FILE NAME: OWC-PL-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS, DEPUTY CHIEF, NAVC DIVISION
PLOT SCALE 1":200'
PLOT DATE 30-Apr 2026
DESIGNED BY: AKM
CHECKED BY: PPR
DRAWN BY: AKM
ISSUE DATE: 30-Apr-2026

OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026
PORT OF LONGVIEW TERMINAL
BERTHS #5, #7, #8/9
RM 66+25+35 TO 67+15+21
PLANNING LAYOUT DRAWING

SHEET ID
OWC-PL2-000

SEE DRAWING OWC-DISP8-000 FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT



A
X: 7585384.14
Y: 895117.74

B
X: 7586411.4
Y: 895511.13

ACCEPTANCE AREA 1
UPSTREAM LIMIT
RM 00+05+00

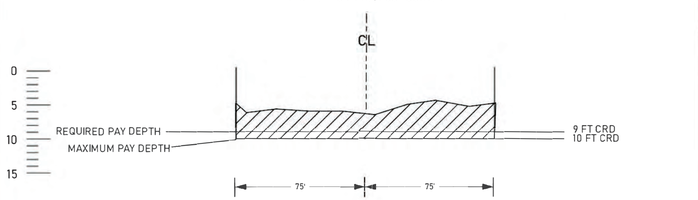
C
X: 7586465.04
Y: 895371.04

D
X: 7585437.79
Y: 894977.66

ACCEPTANCE AREA 1
DOWNSTREAM LIMIT
RM 00-06-00

WASHINGTON
OREGON

PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82 FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 00-02-00
NOT TO SCALE

SURVEY DATE: 13-APR-2026

SOUNDINGS
9 FT CONTOUR (CRD)
10 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

N

SCALE IN FEET
0 75 150 225 300

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Sources: Esri, TomTom, Garmin, (c) OpenStreetMap contributors, and the

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 2.78 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 67.6. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18524.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT RAINIER: Northing: 892612 Easting: 7584970

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-CWM-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
SENIOR CHIEF, DAM TECHNICAL
PLOT DATE: 29-Apr 2026
PLOT SCALE: 1":75'
DESIGNED BY: ARM
CHECKED BY: RJB
DRAWN BY: ARM
ISSUE DATE: 29-Apr-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

OLD MOUTH COWLITZ
RM 00-06-00 TO 00+05+00
PLANNING LAYOUT DRAWING

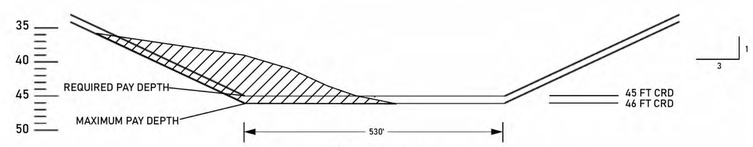
SHEET ID
OWC-CWM-000

SEE DRAWING
OWC-DISP11-000
OWC-DISP12-000
OWC-DISP13-000
FOR PLACEMENT INFO

SAFETY IS A PART OF YOUR CONTRACT

GATEWAY W-101.0

PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 100+45+00
NOT TO SCALE

B
X: 7623401.64
Y: 735416.59

ACCEPTANCE AREA 1
UPSTREAM LIMIT
RM 101+00+00

VANCOUVER STERN ANCHOR LOCATION
X: 7622498.4, Y: 737804.9, RADIUS: 125 US FT

ACCEPTANCE AREA 1
DOWNSTREAM LIMIT
RM 100+28+45

A
X: 7622694.83
Y: 737719.5

C
X: 7622898.24
Y: 735258.23

D
X: 7622178.89
Y: 737556.57

W-101.4-IW-T

WASHINGTON
OREGON

Belle Vue Point

Morgan Channel Light 42 and Vancouver Direction Light

Morgan Dike 1 Light 48

Morgan Dike Light 36

Morgan Burgess Landing Entrance 2

SCALE IN FEET
0 300 600 900 1,200

N

SURVEY DATE: 04-FEB-2026

SOUNDINGS
45 FT CONTOUR (CRD)
46 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Stern Mooring Buffer
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- BerthAreaFeature
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18525.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 4.96 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 99.8. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18525.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 36: Northing: 740974 Easting: 7620357

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-VLA-000
SOLICITATION NO.: W91277N26BA009
SUBMITTED BY: KARLA G. ELLIS
SERVICE CHIEF, DEV. DIVISION
PLOT DATE: 08-May-2026
PLOT SCALE: 1":300'
DESIGNED BY: AKM
CHECKED BY: PPR
DRAWN BY: AKM
ISSUE DATE: 08-May-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

LOWER VANCOUVER ANCHORAGE
RM 100+28+45 TO 101+00+00
PLANNING LAYOUT DRAWING

SHEET ID
OWC-VLA-000

SEE DRAWING
OWC-DISP13-000
FOR PLACEMENT INFO

SAFETY IS A PART
OF YOUR CONTRACT

Hayden
Island

NOTE: SEE ATTACHMENT EXISTING UTILITIES INFORMATION. THIS ACCEPTANCE AREA WAS MOST RECENTLY DREDGED TO REQUIRED DEPTH IN 2022.

APPROXIMATE LOCATION OF CITY OF PORTLAND SUBMERGED SEWER LINES WITH 15 FOOT BUFFER

SP&S RAILROAD SWING BRIDGE
HORIZONTAL CLEARANCE 125 FT
VERTICAL CLEARANCE 39 FT CRD

APPROXIMATE LOCATION OF PGE SUBMERGED HIGH VOLTAGE CABLE WITH 15 FOOT BUFFER

ACCEPTANCE AREA 1
DOWNSTREAM LIMIT
RM 02+45+00

ACCEPTANCE AREA 1
UPSTREAM LIMIT
RM 02+51+00

A
X: 7637999.18
Y: 718187.78

B
X: 7638474.97
Y: 717822.23

C
X: 7638414.04
Y: 717742.93

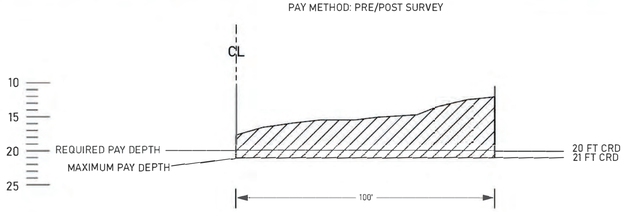
D
X: 7637938.26
Y: 718108.48

52+80

SCALE IN FEET
0 200 400 600 800

N

PAY METHOD: PRE/POST SURVEY



SEE SPECIFICATION SECTION 35 20 23.00 82
FOR DETAILS ON DREDGING DEPTHS

CROSS SECTION A - A
RIVER MILE 02+48+90
NOT TO SCALE

SURVEY DATE: 31-MAR-2026

SOUNDINGS
20 FT CONTOUR (CRD)
21 FT CONTOUR (CRD)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Microsoft, Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18526.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 5.14 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 103.8. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18526.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 51: Northing: 727842 Easting: 7634455

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-OSL-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 29-Apr 2026
PLOT SCALE: 1":200'
DESIGNED BY: AKN
CHECKED BY: PPR
DRAWN BY: AKN
ISSUE DATE: 29-Apr-2026

OREGON AND WASHINGTON CLAMSHELL
MAINTENANCE DREDGING 2026

OREGON SLOUGH LOWER
RM 02+45+00 TO 02+51+00
PLANNING LAYOUT DRAWING

SHEET ID
OWC-OSL-000

SAFETY IS A PART OF YOUR CONTRACT

PLACEMENT SITE: W-4.7-IW

DISPERSE MATERIAL EVENLY THROUGHOUT SITE
40,000 CY MAX CAPACITY
1 FT MAX DEPOSITION

100% OF MATERIAL FROM SKIPANON

PLACEMENT SITE: W-5.2-IW

DISPERSE MATERIAL EVENLY THROUGHOUT SITE
70,000 CY MAX CAPACITY
2 FT MAX DEPOSITION

100% OF MATERIAL FROM BAKER BAY

PLACEMENT SITE: W-5.8-IW

DISPERSE MATERIAL EVENLY THROUGHOUT SITE

10,000 CY MAX QUANTITY FROM BAKER BAY
1 FT MAX DEPOSITION

50,000 CY MAX QUANTITY FROM CHINOOK
1 FT MAX DEPOSITION

PLACEMENT SITE: W-5.7-IW

DISPERSE MATERIAL EVENLY THROUGHOUT SITE

10,000 CY MAX QUANTITY FROM BAKER BAY
1 FT MAX DEPOSITION

50,000 CY MAX QUANTITY FROM CHINOOK
1 FT MAX DEPOSITION

A X: 7316463.51 Y: 962512.13
B X: 7318704 Y: 962148
C X: 7318537 Y: 961151
D X: 7316305 Y: 961483
E X: 7318972 Y: 961504
F X: 7321715 Y: 960891
G X: 7321548 Y: 960093
H X: 7318791 Y: 960711
I X: 7323290 Y: 961459
J X: 7325860 Y: 960259
K X: 7325452 Y: 959328
L X: 7322885 Y: 960512
E X: 7322166 Y: 960444
F X: 7324710 Y: 959181
G X: 7324246 Y: 958243
H X: 7321711 Y: 959515

WASHINGTON
OREGON

SCALE IN FEET
0 620 1,240 1,860 2,480

SURVEY DATE: 09-SEP-2025
" " SOUNDINGS
HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.11 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 8.6, and 0.08 feet below at River Mile 9.8. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT WOODEN PILING: Northing: 945307 Easting: 7328118
STAFF GAGE AT HAMMOND: Northing: 943437 Easting: 7328429

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":500'
DESIGNED BY: AKN
CHECKED BY: AJB
DRAWN BY: AKN
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

BAKER BAY & CHINOOK & SKIPANON PLACEMENT SITES

W-4.7-IW, W-5.2-IW, W-5.7-IW, W-5.8-IW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP1-000

SAFETY IS A PART OF YOUR CONTRACT

SURVEY DATE: 09-SEP-2025

$^{30}_{10}$ SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.11 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 8.6, and 0.08 feet below at River Mile 9.8. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT WOODEN PILING: Northing: 945307 Easting: 7328118
STAFF GAGE AT HAMMOND: Northing: 943437 Easting: 7328429

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 30-Mar 2026
PLOT SCALE: 1":600'
DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 30-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

U.S. COAST GUARD STATION CAPE DISAPPOINTMENT
PLACEMENT SITE
AREA D
PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP2-000

SAFETY IS A PART OF YOUR CONTRACT

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

PLACEMENT SITE: W-10.4-IW

DISPERSE MATERIAL EVENLY THROUGHOUT SITE
40,000 CY MAX CAPACITY
1 FT MAX DEPOSITION

100% OF MATERIAL FROM SKIPANON

PLACEMENT SITE: O-11.9-IW

DISPERSE MATERIAL EVENLY THROUGHOUT SITE
60,000 CY MAX CAPACITY
1 FT MAX DEPOSITION

100% OF MATERIAL FROM SKIPANON

A X: 7336449 Y: 940879
B X: 7338736 Y: 939650
C X: 7338518 Y: 939204
D X: 7336093 Y: 940174
E X: 7343616 Y: 937861
F X: 7346318 Y: 937998
G X: 7346401 Y: 936791
H X: 7343692 Y: 936662

Desdemona Sands Lighted Gong Buoy 27
Desdemona Sands Lighted Gong Buoy 29
Desdemona Lower Sands Lighted Gong Buoy 31
Tansy Point
Tansy Point Range Rear Light
Tansy Point Range Front Light
Skipanon Waterway West Light 4
Skipanon Waterway East Light 3
DME Bank Protection
A 792
1402-17

N

SCALE IN FEET
0 750 1,500 2,250 3,000

SURVEY DATE: 08-MAY-2025

SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18521.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Mean Lower Low Water (MLLW) is 0.03 feet below North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 10.9, and 0.03 feet above at River Mile 13.4. Soundings are shown in feet and indicate depths below MLLW. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18521.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT BRIDGE PIER: Northing: 938345 Easting: 7353764

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
SERVICE CHIEF, NAV. PROJECTS

PLOT DATE: 26-Mar 2026
PLOT SCALE: 1":800'

DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: AKM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

SKIPANON PLACEMENT SITES
W-10.4-IW AND O-11.9-IW
PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP3-000

SAFETY IS A PART OF YOUR CONTRACT

SURVEY DATE: 02-SEP-2025

SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 1.05 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 27.1. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 14A; Northing: 958380 Easting: 7420159

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

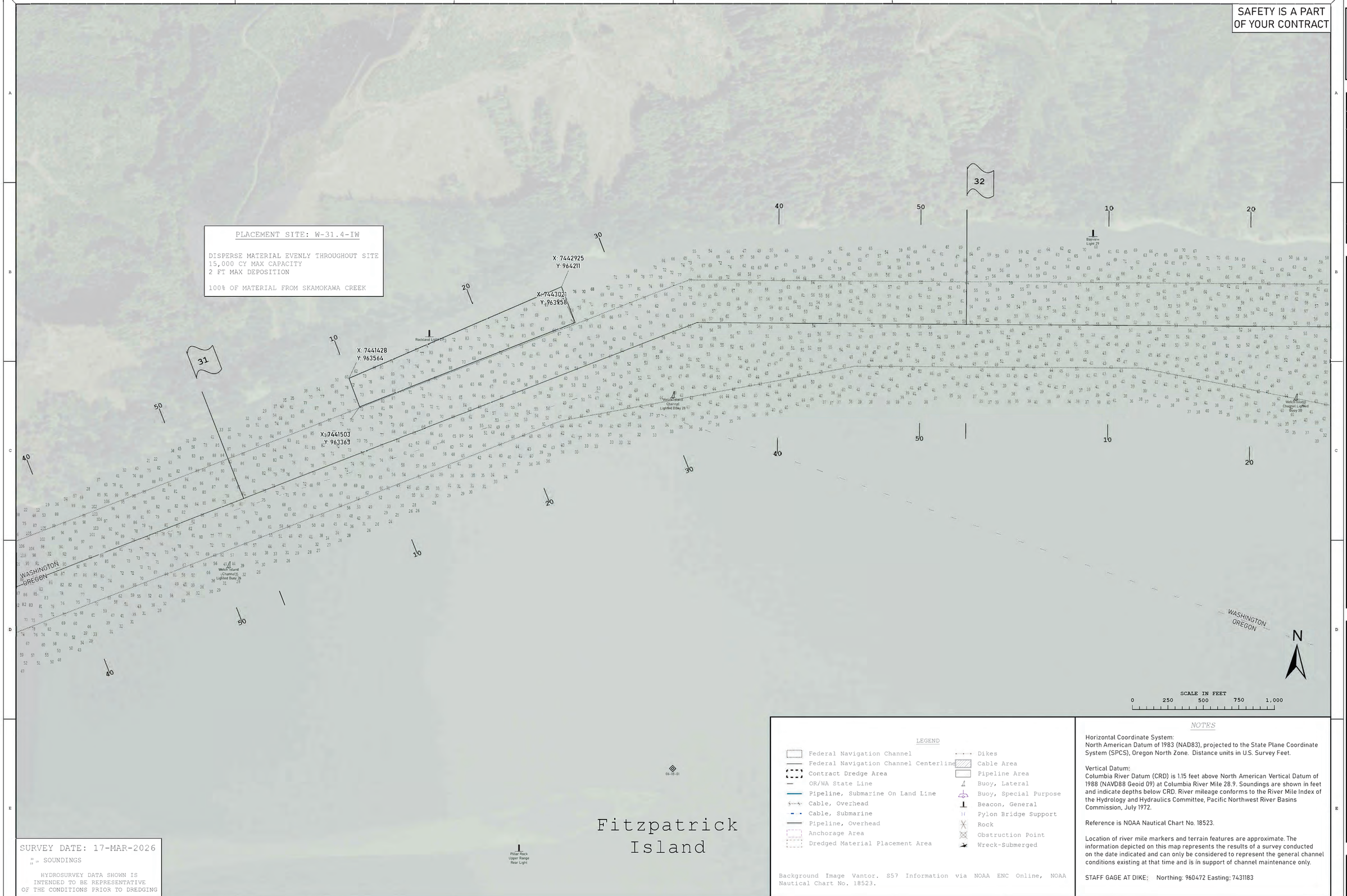
SKAMOKAWA CREEK PLACEMENT SITE

O-27.3-IW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP4-000

SAFETY IS A PART OF YOUR CONTRACT



SURVEY DATE: 17-MAR-2026

SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 1.15 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 28.9. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT DIKE; Northing: 960472 Easting: 7431183

US Army Corps of Engineers®
Portland District

MARK	DESCRIPTION	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
CHIEF, NAV. PROJECT
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

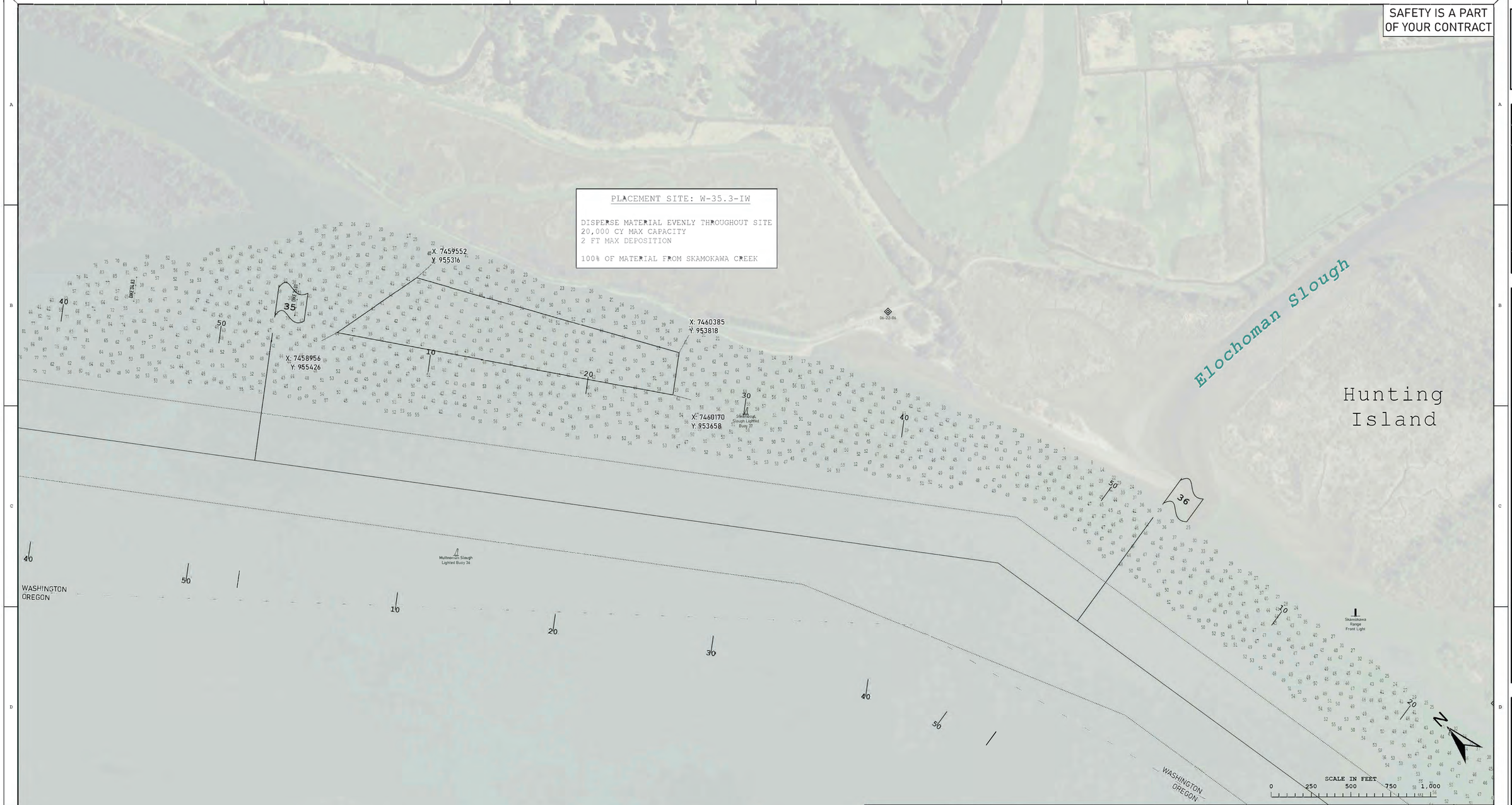
SKAMOKAWA CREEK PLACEMENT SITE

W-31.4-IW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP5-000

SAFETY IS A PART OF YOUR CONTRACT



SURVEY DATE: 17-FEB-2026

" " SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 1.34 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 32.9, 1.37 feet above at River Mile 34.6, and 1.40 feet above at River Mile 36.6. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 31: Northing: 963830 Easting: 7450599
STAFF GAGE AT LIGHT 39: Northing: 947859 Easting: 7462383

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

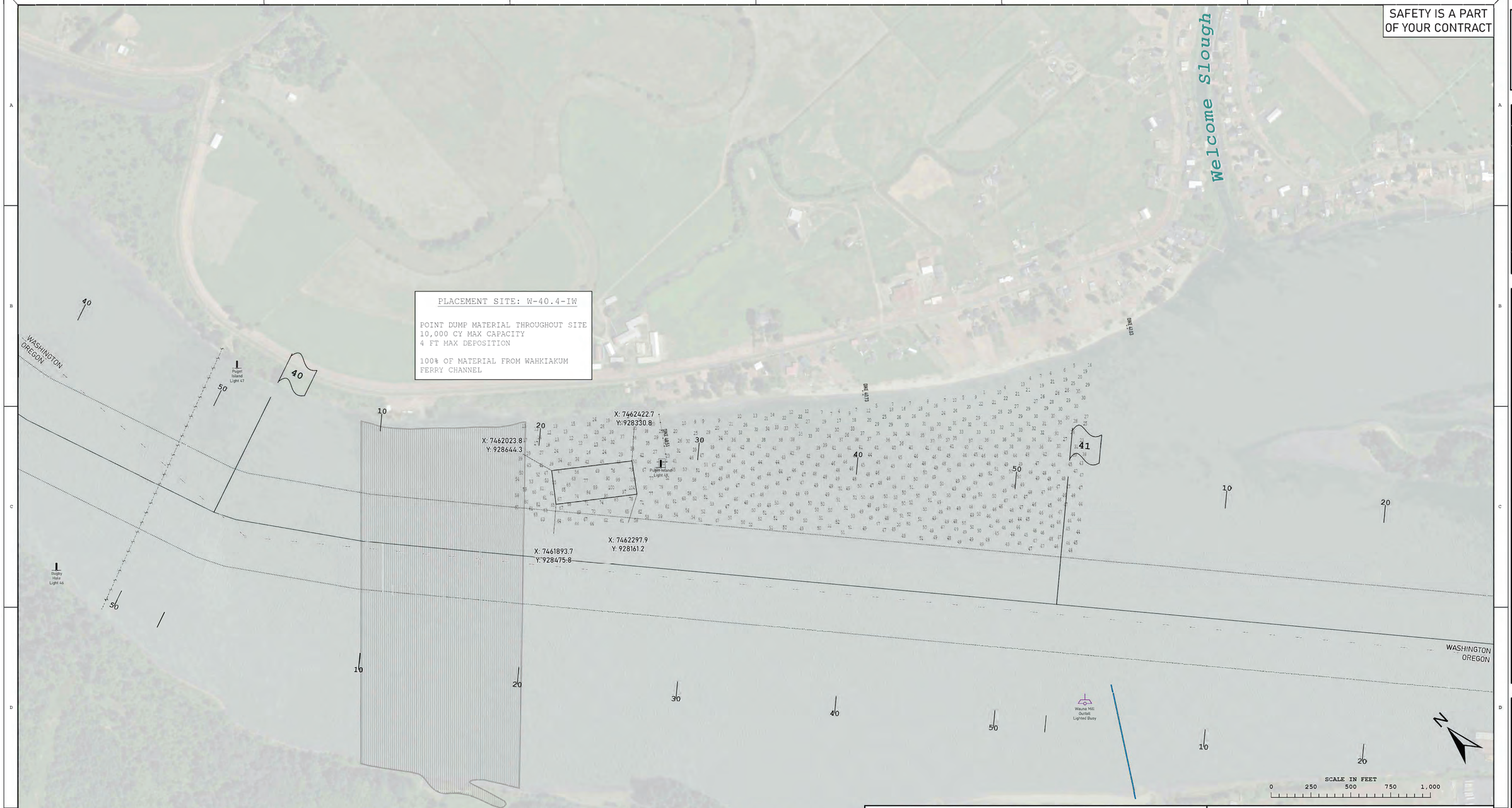
DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
SENIOR CHIEF, NAV. PROJECT
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: AKM
CHECKED BY: AJB
DRAWN BY: AKM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

SKAMOKAWA CREEK PLACEMENT SITE
W-35.3-IW
PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP6-000

SAFETY IS A PART OF YOUR CONTRACT



PLACEMENT SITE: W-40.4-IW

POINT DUMP MATERIAL THROUGHOUT SITE
10,000 CY MAX CAPACITY
4 FT MAX DEPOSITION

100% OF MATERIAL FROM WAHKIAKUM FERRY CHANNEL

SURVEY DATE: 10-FEB-2026

SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 1.40 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 36.6, 1.43 feet above at River Mile 38.2, and 1.45 feet above at River Mile 40.3. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 39: Northing: 947859 Easting: 7462383
STAFF GAGE AT LIGHT 42: Northing: 939209 Easting: 7460010

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
SERVICE CHIEF, NAV. PROJECTS

PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'

DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

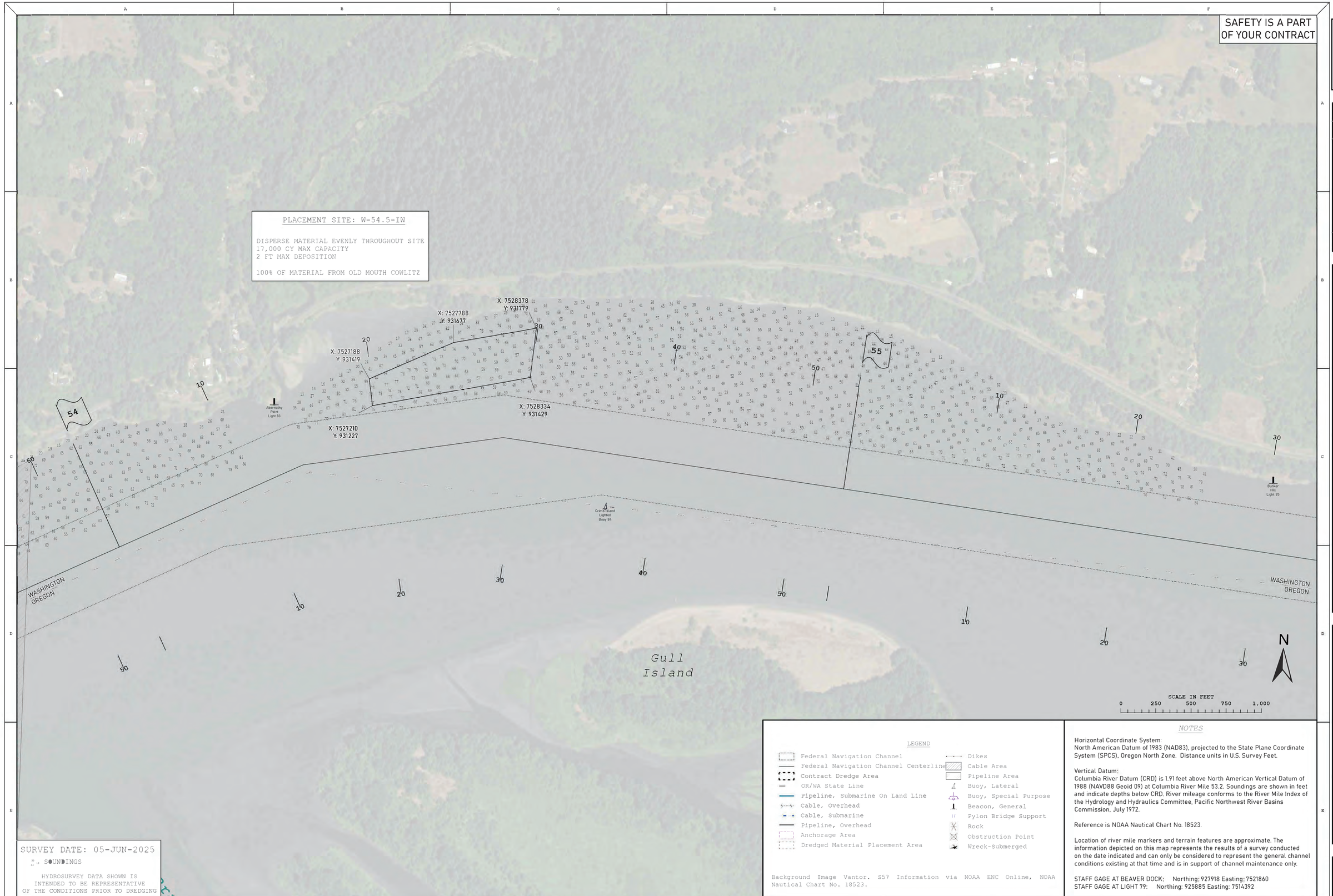
WAHKIAKUM FERRY CHANNEL PLACEMENT SITE

W-40.4-IW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP7-000

SAFETY IS A PART OF YOUR CONTRACT



SURVEY DATE: 05-JUN-2025

SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 1.91 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 53.2. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT BEAVER DOCK; Northing: 927918 Easting: 7521860
STAFF GAGE AT LIGHT 79: Northing: 925885 Easting: 7514392

US Army Corps of Engineers®
Portland District

MARK	DESCRIPTION	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

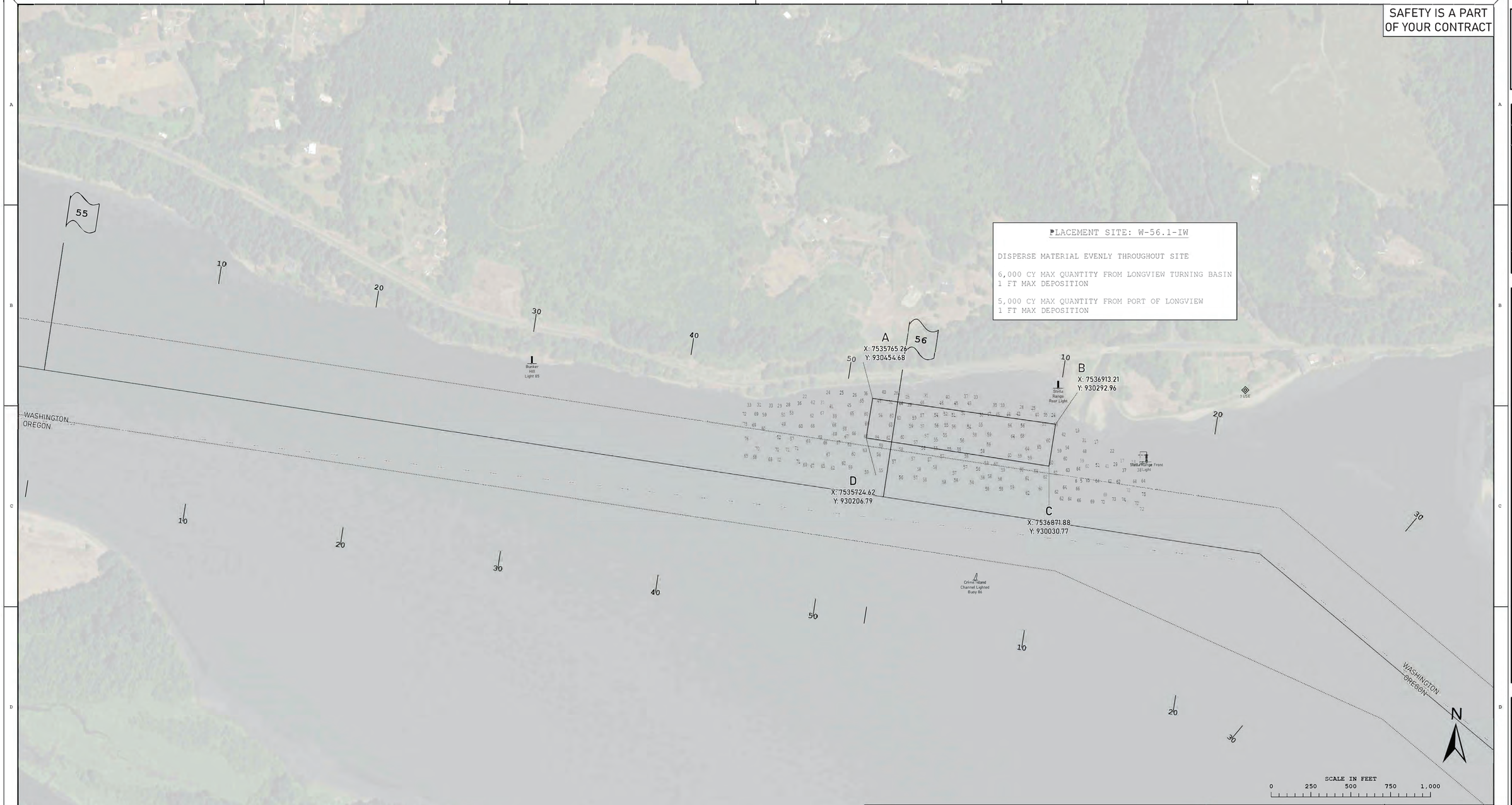
OLD MOUTH COWLITZ PLACEMENT SITE

W-54.5-IW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP8-000

SAFETY IS A PART OF YOUR CONTRACT



PLACEMENT SITE: W-56.1-IW

DISPERSE MATERIAL EVENLY THROUGHOUT SITE

6,000 CY MAX QUANTITY FROM LONGVIEW TURNING BASIN
1 FT MAX DEPOSITION

5,000 CY MAX QUANTITY FROM PORT OF LONGVIEW
1 FT MAX DEPOSITION

SURVEY DATE: 24-MAR-2025

" " SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18523 and 18524.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 2.12 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 57.6. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18523 and 18524.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 3: Northing: 926110 Easting: 7543090
STAFF GAGE AT FRONT RANGE: Northing: 930080 Easting: 7537470

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: AKM
CHECKED BY: AJM
DRAWN BY: AKM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

LONGVIEW TURNING BASIN & PORT OF LONGVIEW PLACEMENT SITE

W-56.1-IW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP9-000

SAFETY IS A PART OF YOUR CONTRACT

SURVEY DATE: 11-MAR-2025

" " SOUNDINGS

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18524.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 2.32 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 61.7. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18524.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 13: Northing: 913405 Easting: 7560745

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
SERVICE CENTER, CADD SUPERVISOR
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

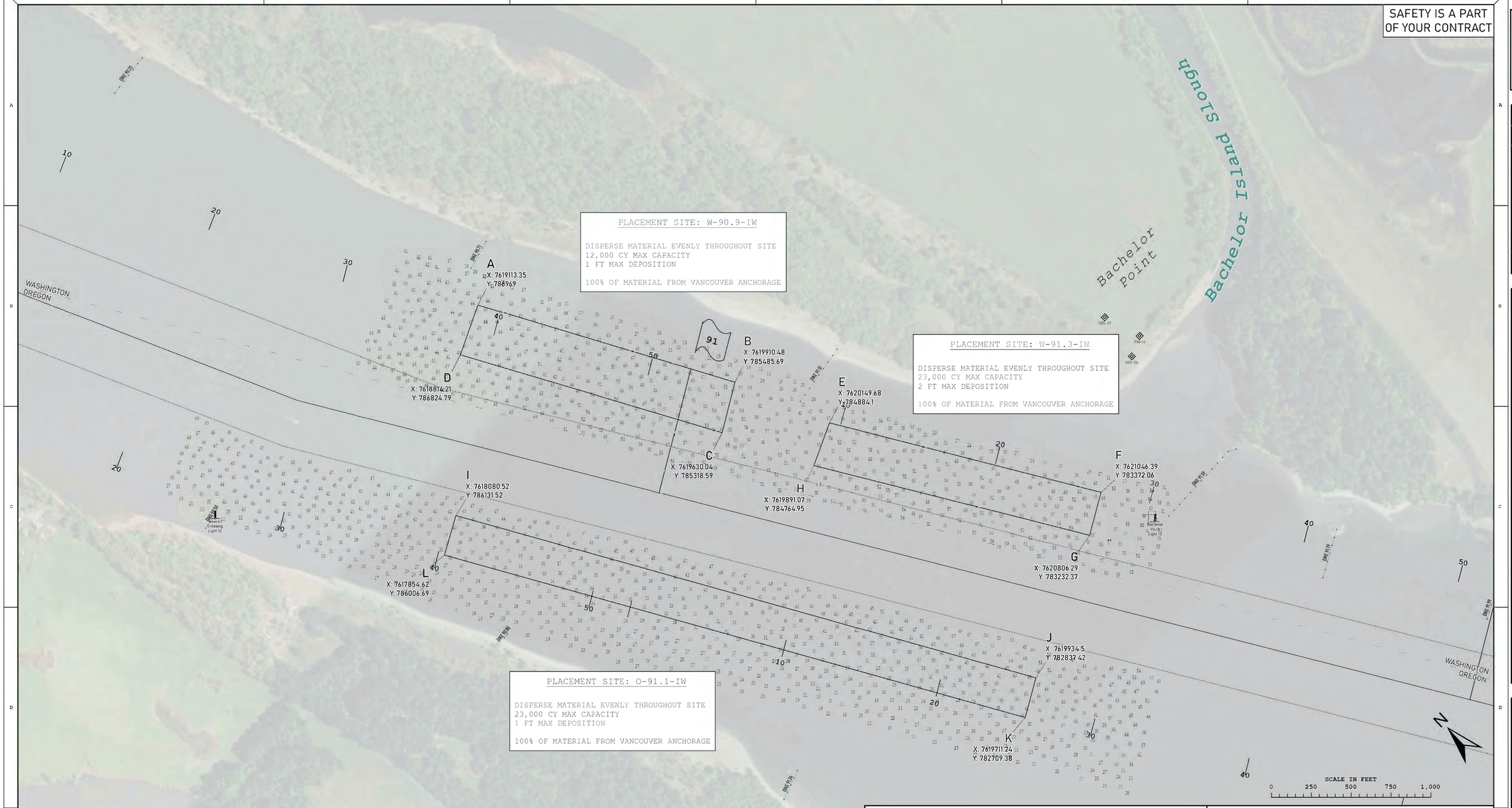
PORT OF LONGVIEW PLACEMENT SITE

O-59.9-SW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP10-000

SAFETY IS A PART OF YOUR CONTRACT



SURVEY DATE: 05-JUN-2025
SOUNDINGS (OREGON SIDE)
SURVEY DATE: 12-FEB-2026
SOUNDINGS (WASHINGTON SIDE)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18525.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 4.54 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 91.6. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18525.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 10: Northing: 789149 Easting: 7616404
STAFF GAGE AT LIGHT 13: Northing: 783035 Easting: 7621164

US Army Corps of Engineers®
Portland District

MARK	DATE	APPR

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
CEPOD-CEHP-CMC-PORTLAND
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

VANCOUVER ANCHORAGE PLACEMENT SITES

O-91.1-IW, W-90.9-IW, & W-91.3-IW

PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP11-000

SAFETY IS A PART OF YOUR CONTRACT

SURVEY DATE: 16-JUN-2025
SOUNDINGS (W-96.0-IW)
SURVEY DATE: 10-DEC-2025
SOUNDINGS (W-95.2-IW)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18525.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 4.76 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 95.7, and 4.85 feet above at River Mile 97.5. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18525.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT LIGHT 23; Northing: 761295 Easting: 7625618
STAFF GAGE AT LIGHT 28: Northing: 752948 Easting: 7622134

US Army Corps of Engineers®
Portland District

MARK	DESCRIPTION	DATE	APPR.

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
PLOT DATE: 26-Mar 2026
PLOT SCALE: 1"=250'
DESIGNED BY: ARM
CHECKED BY: AJB
DRAWN BY: ARM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026

VANCOUVER ANCHORAGE PLACEMENT SITES
W-95.2-IW & W-96.0-IW
PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP12-000

SAFETY IS A PART OF YOUR CONTRACT

US Army Corps of Engineers®
Portland District

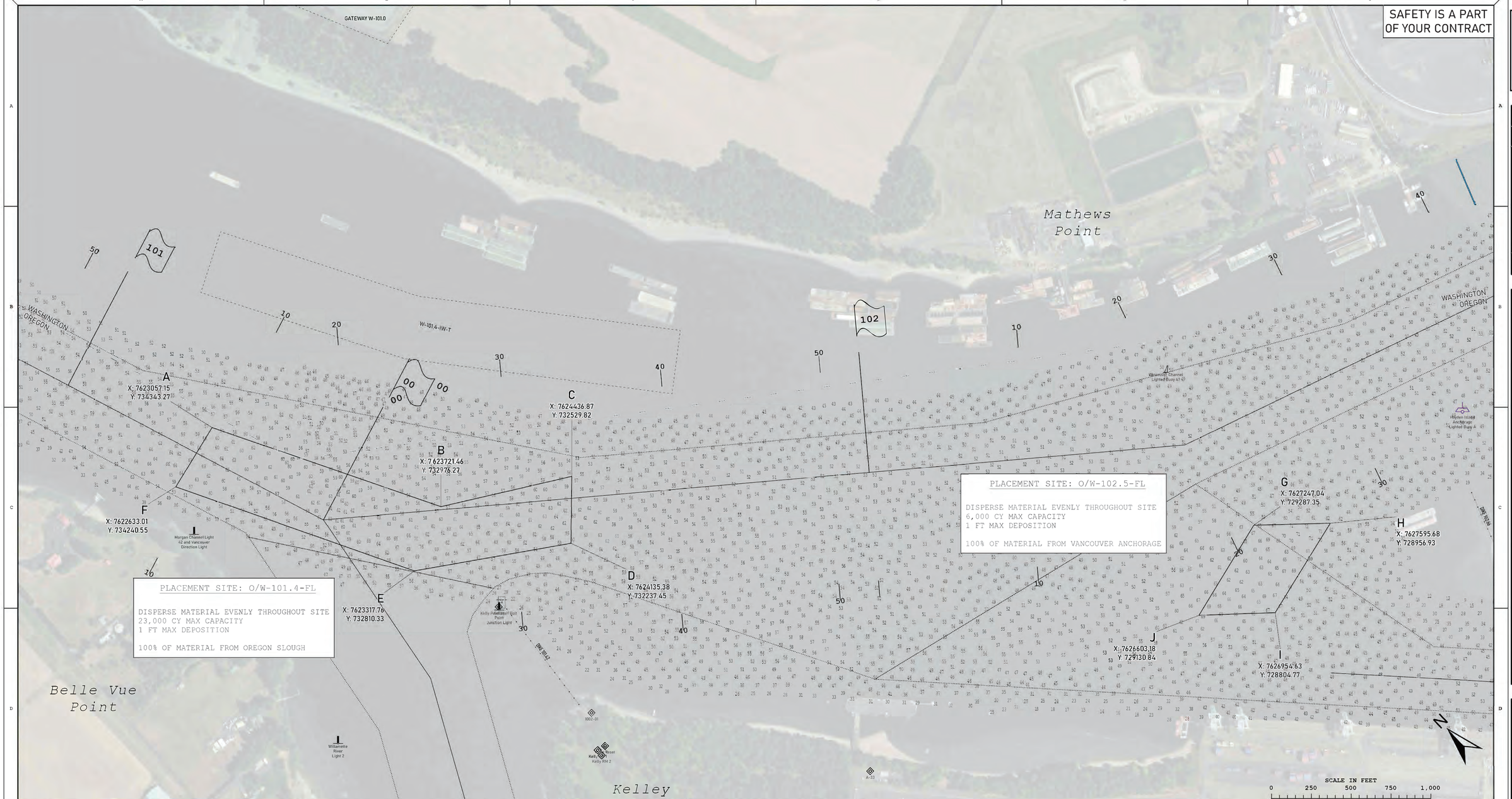
MARK	DESCRIPTION	DATE	APPR.

US ARMY CORPS OF ENGINEERS, PORTLAND DISTRICT
CHANNELS AND HARBORS PROJECT
NAVIGATION DIVISION

DESIGN FILE NAME: OWC-DISP-000
SOLICITATION NO.: W9127N26BA009
SUBMITTED BY: KARLA G. ELLIS
CESPWC-CEPEP-NAV-PORTLAND
PLOT DATE: 26-Mar-2026
PLOT SCALE: 1":300'
DESIGNED BY: ANM
CHECKED BY: AJB
DRAWN BY: ANM
ISSUE DATE: 26-Mar-2026

OREGON AND WASHINGTON CLAMSHELL MAINTENANCE DREDGING 2026
OREGON SLOUGH & VANCOUVER ANCHORAGE PLACEMENT SITES
O/W-101.4-FL & O/W-102.5-FL
PLANNING LAYOUT DRAWING

SHEET ID
OWC-DISP13-000



PLACEMENT SITE: O/W-102.5-FL

DISPERSE MATERIAL EVENLY THROUGHOUT SITE
6,000 CY MAX CAPACITY
1 FT MAX DEPOSITION

100% OF MATERIAL FROM VANCOUVER ANCHORAGE

PLACEMENT SITE: O/W-101.4-FL

DISPERSE MATERIAL EVENLY THROUGHOUT SITE
23,000 CY MAX CAPACITY
1 FT MAX DEPOSITION

100% OF MATERIAL FROM OREGON SLOUGH

SURVEY DATE: 08-JAN-2026
" " SOUNDINGS (DOWNSTREAM 101+20+00)
SURVEY DATE: 25-FEB-2026
" " SOUNDINGS (UPSTREAM 101+20+00)

HYDROSURVEY DATA SHOWN IS INTENDED TO BE REPRESENTATIVE OF THE CONDITIONS PRIOR TO DREDGING

LEGEND

- Federal Navigation Channel
- Federal Navigation Channel Centerline
- Contract Dredge Area
- OR/WA State Line
- Pipeline, Submarine On Land Line
- Cable, Overhead
- Cable, Submarine
- Pipeline, Overhead
- Anchorage Area
- Dredged Material Placement Area
- Dikes
- Cable Area
- Pipeline Area
- Buoy, Lateral
- Buoy, Special Purpose
- Beacon, General
- Pylon Bridge Support
- Rock
- Obstruction Point
- Wreck-Submerged

Background Image Vantor. S57 Information via NOAA ENC Online, NOAA Nautical Chart No. 18525.

NOTES

Horizontal Coordinate System:
North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Oregon North Zone. Distance units in U.S. Survey Feet.

Vertical Datum:
Columbia River Datum (CRD) is 4.96 feet above North American Vertical Datum of 1988 (NAVD88 Geoid 09) at Columbia River Mile 99.8. Soundings are shown in feet and indicate depths below CRD. River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Reference is NOAA Nautical Chart No. 18525.

Location of river mile markers and terrain features are approximate. The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general channel conditions existing at that time and is in support of channel maintenance only.

STAFF GAGE AT KELLY POINT: Northing: 732276 Easting: 7623533