

Joint Permit Application

This is a joint application, and must be sent to both agencies, who administer separate permit programs. Alternative forms of permit applications may be acceptable; contact the Corps and DSL for more information.

DATE STAMP

 U.S. Army Corps of Engineers Portland District	 Oregon Department of State Lands	 Oregon Department of Environmental Quality
Action ID Number NWP-2024-25	DSL Number	

(1) TYPE OF PERMIT(S) IF KNOWN (check all that apply)

Corps: ☐ Individual ☒ Nationwide No.: 7 ☐ Regional General ☐ Other (Specify) _____

DSL: ☒ Individual ☐ GP Trans ☐ GP Min Wet ☐ GP Maint Dredge ☐ GP Ocean Energy ☐ No Permit ☐ Waiver

(2) APPLICANT AND LANDOWNER CONTACT INFORMATION

	Applicant	Property Owner (if different)	Authorized Agent (if applicable) <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> Contractor
Name (Required) Business Name Mailing Address 1 Mailing Address 2 City, State, Zip	Mark E. Carden, Vice President Georgia-Pacific Toledo LLC 1400 SE Butler Bridge Rd Toledo, OR 97391		John van Staveren, SPWS Pacific Habitat Services 9450 SW Commerce Circle, Suite 180 Wilsonville, OR 97070
Business Phone Cell Phone Email	541-270-6524 mark.carden@gapac.com		503-570-0800 jvs@pacifichabitat.com

(3) PROJECT INFORMATION

A. Provide the project location

Project Name Toledo Mill Effluent Ocean Outfall Repair		Latitude & Longitude* 44.636583, -124.064827	
Project Address / Location Pacific Ocean		City (nearest) Newport	County Lincoln
Township 11S	Range 11W	Section 8	Quarter/Quarter Tax Lot 500

Brief Directions to the Site:

From I-5, take the exit for Highway 34 West, follow for approximately 16 miles, and continue onto Highway 20 West near Corvallis. Follow this highway into Newport and continue straight onto W. Olive Street. Follow for 0.4 miles and turn right onto NW Coast Street, then left onto NW Beach Street. From here, park and walk toward beach to site.

B. What types of waterbodies or wetlands are present in your project area? (Check all that apply.)

☐ River / Stream ☐ Non-Tidal Wetland ☐ Lake / Reservoir / Pond
☐ Estuary or Tidal Wetland ☐ Other ☒ Pacific Ocean

Waterbody or Wetland Name** Pacific Ocean	River Mile N/A	6 th Field HUC Name Whale Cove-Pacific Ocean	6 th Field HUC (12 digits) 171002041000
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* In decimal format (e.g., 44.9399, -123.0283)

** If there is no official name for the wetland or waterbody, create a unique name (such as "Wetland 1" or "Tributary A").

C. Indicate the project category. (check all that apply.)		
<input type="checkbox"/> Commercial Development	<input type="checkbox"/> Industrial Development	<input type="checkbox"/> Residential Development
<input type="checkbox"/> Institutional Development	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Recreational
<input type="checkbox"/> Transportation	<input type="checkbox"/> Restoration	<input type="checkbox"/> Bridge
<input type="checkbox"/> Dredging	<input checked="" type="checkbox"/> Utility lines	<input type="checkbox"/> Survey or Sampling
<input checked="" type="checkbox"/> In- or Over-Water Structure	<input checked="" type="checkbox"/> Maintenance	<input type="checkbox"/> Other:
(4) PROJECT DESCRIPTION		

A. Summarize the overall project, including work in areas both in and outside of waters or wetlands.

The proposed project is the inspection, maintenance, and repair of an existing effluent pipe that originates from the Georgia-Pacific mill in Toledo and is conveyed into the Pacific Ocean in Newport (Figures 1-4, all Figures are in Attachment 1). Work will take place within Nye Beach and below the Highest Measured Tide (HMT) and Mean High Water/High Mean Water (MHW/HMW) of the Pacific Ocean. The project area is approximately 12 acres, extending from a pipeline elbow in Nye Beach to approximately 3,890 feet offshore. Proposed work involves the excavation and inspection of the pipeline section within Nye Beach, the repair of a leak approximately 1,000 feet offshore along the pipeline on the bed of the ocean, and the dispersal of up to 1,000 cubic yards of sand from the pipeline’s diffuser. It is anticipated the work will be authorized under the terms and conditions of the Corps Nationwide Permit #7 (Outfalls) and an Individual Permit from the Department of State Lands (DSL). The proposed site plan is shown in Figures 5 and 5A. The grading plan, cross sections, and profiles are provided in Figure 6. Project details are described below in Section 4B.

Stormwater Plan:

As no impervious surfaces are proposed, stormwater runoff will not be generated, and a stormwater plan is not included.

Table 1. List of Figures

Attachment 1	Figures		
Figure	Description	Figure	Description
Figure 1	Project Location (USGS Map)	Figure 5	Site Plan Overview
Figure 2	Tax Lot Map	Figure 5A	Site Plan, Erosion Control, and Cross Section Location
Figure 3	Aerial Photo	Figure 6	A-A' Cross Section of Coffe Cell and Effluent Pipe On Nye Beach
Figure 4	Existing Conditions	Figure 6A	Diffuser Arm Details
Attachment 2	SLOPES Notification Form (Corps only)		
Attachment 3	Territorial Sea Plan – Evaluation of Resources and Effects Determination (DSL only)		

B. Describe work within waters and wetlands

Work includes the maintenance and repairs to an effluent outfall pipe and its diffuser, as well as inspection of the elbow on the shore. Methods for repairing the outfall and inspecting the pipeline will involve both removal and fill, which is discussed below. Effluent discharge through the pipeline will be suspended within 24 hours of work initiation. All work described below will occur concurrently.

Work within waters:

There will be no permanent impacts associated with the project.

Pipeline Inspection: An approximately 300 square foot (SF) area within Nye Beach will be excavated to allow inspectors to access the buried pipeline. This will require approximately 50 cubic yards (cy) of sand to be removed and side cast on the beach to allow for the temporary placement of a metal coffer cell within the excavated area. The area will be pumped (the water will be discharged onto the beach) to remove groundwater while the coffer cell is in place. When the inspection is completed, the coffer cell

will be removed, and the 50 cy of sand will be returned to the excavated area and the beach restored to its original grade. The onshore work will occur at night within an 8-hour period. If the inspection requires more than one night, a temporary fence will be constructed around the excavated area and a security guard will be posted to keep the public away from the work area.

Pipeline Repair: A dive team will be deployed when weather and tidal conditions allow for safe access to the pipeline. When good conditions are present, divers will locate the area of the leak (approximately 1,000 feet offshore), and permanently disperse up to 5 cy of sand from the lower area of the cracked pipe section (an approximately 25 SF area). The sand will be dispersed into the water column using an underwater vacuum tube with forced air. This equipment will suck up the sand around the pipe and spread it 30 to 40 feet away from the site. Turbidity will be short-lived due to the sandy bed material that will be displaced.

An existing repair clamp will be removed from the pipe, and the surface of the pipe will be prepared. A new metal repair clamp will be installed over the entirety of the cracked area. It should be noted that the work area is approximately 16 feet below the ocean's surface and sand on the pipe is constantly shifting.

Outfall Diffuser Sand Dispersal: A dive team will disperse/remove up to 1,000 cy of sand surrounding the outfall diffusers (an approximately 700 SF area) using an underwater vacuum tube with forced air. The vacuum will suck up the sand around the diffuser and spread it 30 to 40 feet away from the site. Even though there is a larger volume of sand being removed, turbidity is expected to be short-lived due to the sandy bed material that will be displaced.

C. Construction Methods. Describe how the removal and/or fill activities will be accomplished to minimize impacts to waters and wetlands.

Project access, Construction Equipment and Staging

The construction entrance along the beach will be on the existing access road connecting the Nye Beach parking lot and turnaround. The staging area will be in upslope location, away from tourist activity areas. Up to two excavators will be used to excavate the area surrounding the pipeline and to install the coffer cell, as well as move sand around the jobsite as needed to protect the coffer cell from wave action. All vehicles and engines used during construction will be shut off when not in use and in between uses. A pump will be used to keep the excavated area clear of water. A remotely operated vehicle will be used to inspect the interior of the pipe. Access to the work sites below water's surface requires a boat to carry dive teams and repair materials, which will depart from the contractor's moorage in Yaquina Bay.

Brief Overview of Construction Steps

Site construction will commence when weather and tidal conditions are expected to allow for safe access to the dive locations, at which point the effluent discharge to the pipeline will be flushed and shut down. Equipment will be mobilized to the site to begin work. On the beach, a coffer cell will be built around the work area and sand excavated away from pipe. The work area will be surrounded by fencing. Sump pumps will be used to allow inspectors to access the pipe for their inspection, which will utilize a remotely operated vehicle. The work will occur at night within an 8-hour period. The area will be demobilized in the early morning following inspection. If the inspection requires more than one night, a temporary fence will be constructed around the excavated area and a security guard will be posted to keep the public away from the work area. Excavation will be backfilled upon completion of inspection.

When discharge to the effluent pipeline is shut down, and while good conditions are present and the tide is incoming, divers will locate the area of the leak and sand will be dispersed away from the area of the cracked pipe. The existing repair clamp will be removed, and the surface of the pipe will be prepared. A new repair clamp will be installed over the entirety of the cracked area.

The dive team will also disperse sand using an underwater vacuum tube with forced air at the diffuser. Following the repairs and the completion of sand dispersal, effluent discharge through the pipe will be restored and divers will inspect the area to ensure the repair is working as intended.

Erosion & Pollution Control Measures

Construction activities will commence with the implementation of the erosion control plan. Activities will be completed during appropriate tidal conditions. A sediment curtain in the ocean is not feasible due to the tidal nature of the work area. The contractor will use best practices to visually monitor turbidity during all in-water activities. If a sediment plume is observed or if monitoring confirms an exceedance of water quality criteria as required by the permit conditions, the in-water work causing the plume will cease until corrective actions are taken to prevent further exceedances. Isolation of in-water work areas is not proposed or possible.

Erosion and pollution control measures will be carried out commensurate with the scope of the project that includes the following:

- No part of the damaged pipeline materials will be left on site, all unauthorized materials will be disposed of in an appropriate off-site location.
- Sediment disturbance and generation of turbidity will be minimized
- Divers will observe best practices regarding safety.
- Vehicle access to the beach will occur at late night or early morning so as to minimize impacts to the public.
- All vehicles and engines used during construction will be shut off when not in use and in between uses.
- All equipment will be inspected daily for fluid leaks. Any leaks detected will be repaired before operation is resumed.
- Wattle and oil containment booms will be used to ensure the heavy equipment doesn't spill any hydrocarbons. Diapers and spill kits will be available at all times in the event of leakage or spill.
- Pumps will be stored in an appropriate container to ensure no leaks contaminate sands.
- In the event the excavation requires more than one shift to complete, a temporary fence will be built surrounding the work area to prevent any members of the public from accessing the jobsite
- Machinery will be stored off-site on paved surface.
- A Pollution Control Plan (PCP) will be prepared by the Contractor and carried out commensurate with the scope of the project that includes the following:
 - Best management practices to confine, remove, and dispose of construction waste.
 - Procedures to contain and control a spill of any hazardous material.
- All conditions of ODEQ's 401 Water Quality Certification will be followed.
- Only enough supplies and equipment to complete the project will be stored on site.

D. Describe source of fill material and disposal locations if known.

Sand and sediment are native to work areas. No fill material will be brought to the project site.

E. Construction timeline.

All work performed beneath HMT of the Pacific Ocean at Nye Beach will occur between August 1, 2024, and March 31, 2025. It is estimated that the project will take up to 21 days within that period, but the exact timing will be dependent on weather and tide conditions.

What is the estimated project start date? August 1, 2024

What is the estimate project completion date? March 31, 2025

Is any of the work underway or already complete?

☐ Yes

☒ No

If yes, describe.

F. Removal Volumes and Dimensions (if more than 7 impact sites, include a summary table as an attachment)

Wetland / Waterbody Name *	Removal Dimensions					Time Removal is to Remain**	Material***
	Length (ft.)	Width (ft.)	Depth (ft)	Area (sq.ft)	Volume (c.y.)		
Pacific Ocean [excavation of sand on beach]	30	10	7	300	50	Temporary	sand, coffer cell
Pacific Ocean [excavation of sand & sediment from repair area]	5	5	~5	25	5	Permanent	sand, sediment
Pacific Ocean [excavation of sand & sediment from diffuser]	140	5	surface	700	1,000	Permanent	sand, sediment

G. Total Removal Volumes and Dimensions

Total Removal to Wetland and Other Waters	Length (ft)	Area (sq. ft)	Volume (c.y.)
Total Removal to Wetlands	N/A	N/A	N/A
Total Removal Below Ordinary High Water	N/A	N/A	N/A
Total Removal Below <u>Highest Measured Tide</u>	175	1,025	1,055
Total Removal Below <u>High Tide Line</u>			
Total Removal Below <u>Mean High Water Tidal Elevation</u>			

H. Fill Volumes and Dimensions (if more than 7 impact sites, include a summary table as an attachment)

Wetland / Waterbody Name *	Fill Dimensions					Time Fill is to Remain**	Material***
	Length (ft.)	Width (ft.)	Depth (ft)	Area (sq.ft.)	Volume (c.y.)		
Pacific Ocean [excavation of sand on beach]	30	10	7	300	50	Permanent	sand, coffer cell

I. Total Fill Volumes and Dimensions

Total Fill to Wetland and Other Waters	Length (ft)	Area (sq. ft.)	Volume (c.y.)
Total Fill to Wetlands	N/A	N/A	N/A
Total Fill Below Ordinary High Water	N/A	N/A	N/A
Total Fill Below <u>Highest Measured Tide</u>	30	300	50
Total Fill Below <u>High Tide Line</u>			
Total Fill Below <u>Mean High Water Tidal Elevation</u>			

* If there is no official name for the wetland or waterbody, create a unique name (such as "Wetland 1" or "Tributary A").

** Indicate whether the proposed area of removal or fill is permanent or, if you are proposing temporary impacts, specify the days, months, or years the fill or removal is to remain.

*** Example: soil, gravel, wood, concrete, pilings, rock etc.)

(5) PROJECT PURPOSE AND NEED

Provide a statement of the purpose and need for the overall project.

The purpose of the proposed project is to perform needed repairs and preventive maintenance on the existing effluent outfall system originating from the Georgia-Pacific Mill in Toledo. The proposed project is needed because preliminary inspections determined that corrosion of the pipe may have resulted in leakage. Repairs are needed to ensure compliance with the National Pollutant Discharge Elimination System (NPDES) wastewater permit, as well as the safety and operation of the facility.

(6) DESCRIPTION OF RESOURCES IN PROJECT AREA

A. Describe the existing physical, chemical, and biological characteristics of each wetland or waterbody. Reference the wetland and waters delineation report if one is available. Include the list of items provided in the instructions.

The project site is located along the area of shoreline known as Nye Beach to the north of Yaquina Bay in Newport. The site comprises approximately 1 acre of upland area and approximately 9 acres of ocean waters.

The beach is generally flat, although access from the staging area is located along a sloped, existing road from the Nye Beach public parking area located approximately 40 feet above Mean Sea Level (MSL). The ocean portion of the project is dominated by a sandy substrate but also has marine subtidal rock substrates, reefs, and intertidal habitat. The area is utilized by pelagic and shore birds during feeding and rearing periods. No shorebird colonies or marine mammal haulouts are found within the project area.

Subtidal Habitat: The subtidal habitat is defined by sandy and rocky reef/bedrock substrate. Bathymetry mapping within the general work area determined the depth averages -23 feet MHW, with a maximum of -39 feet MHW. The subtidal area off the shores of Nye Beach experiences a temperate marine climate influenced by the cool waters, characterized by mild temperatures, moderate precipitation, and relatively stable ocean conditions throughout the year. Tidal currents also play a role in mixing water masses, affecting nutrient distribution and overall productivity. Vertical mixing is influenced by wind patterns, ocean currents, and tidal movement. Upwelling events bring nutrient-rich waters from deeper depths to the surface to support the growth of marine algae and plankton. The presence of underwater features such as rocky reefs and submerged structures can create microhabitats that support diverse marine communities, including fish, invertebrates, and algae.

A 2004 survey of species commonly observed within rocky reef habitats on the central Oregon Coast include greenlings (*Hexagrammidae*) and lingcod (*Ophiodon elongatus*), quillback rockfish (*Sebastes maliger*), China rockfish (*S. nebulosus*), black rockfish (*S. melanops*), canary rockfish (*S. pinniger*), yelloweye rockfish (*S. ruberrimus*) and blue rockfish (*S. mystinus*) (ODFW)*. Dungeness crab (*Metacarcinus magister*), Bay shrimp (*Crangon franciscorum*), gaper clams (*Tresus capax*), and cockles (*Clinocardium nuttali*) are also well documented in and around the Yaquina area in habitats ranging from estuarine to deepwater. Although none have been observed within the project area, rocky reefs can provide sufficient anchoring for kelp beds which support a large diversity of these and other marine invertebrates and mammals.

To the south, the Yaquina estuary provides critical rearing habitat for a variety of forage fish, including Pacific herring (*Clupea pallasii*), Northern anchovy (*Engraulis mordax*), longfin smelt (*Spirinchus thaleichthys*), surf smelt (*H. pretiosus*), and whitebait smelt (*Allosmerus elongatus*). While many of these species spawn in estuarine environments, they may rely on subtidal areas for foraging and tidally influenced migration.

* Weeks H, Merems A. 2003. "Nearshore Rocky Reef Habitat and Fish Survey, and Multi-Year Summary." Oregon Department of Fish and Wildlife, Marine Habitat Project, Marine Resources Program.

In marine waters, species such as Pacific herring, anchovies and smelt provide food for commercial fish such as hake (*Merluccius merluccius*), halibut (*Hippoglossus stenolepis*), salmon, rockfish, and lingcod. In Yaquina Bay, forage fish are prey for California sea lions (*Zalophus californicus*), harbor seals (*Phoca vitulina*), brown pelicans (*Pelecanus occidentalis*) and many other species.

Federally Listed Species: There are seven species listed under the Endangered Species Act (ESA) with the potential to occur within the project area (see Table 2). In addition, the project area contains designated Critical Habitat and Essential Fish Habitat (EFH) as defined by the Magnuson-Stevens Act (MSA).

Table 2 Federally listed animal species with the potential to occur within the vicinity of project area¹.

Species	Population (ESU/DPS)	Federal Status	Closest Designated Critical Habitat	Potential Site Use
Coho salmon (<i>Oncorhynchus kisutch</i>)	Oregon Coast ESU	Threatened (76 FR 35755)	Yaquina Bay	Rearing and migration
Green sturgeon (<i>Acipenser medirostris</i>)	Southern DPS	Threatened (71 FR 17757)	Yaquina Bay	Foraging
Eulachon (<i>Thalichthys pacificus</i>)	Southern DPS	Threatened (75 FR 13012)	Approximately 75 miles south at Tenmile Creek	Rearing and migration
Marbled murrelet (<i>Brachyramphus marmoratus</i>)	N/A	Threatened (56 FR 58804)	Approximately 5.5 miles south of project area	Foraging
Orca (<i>Orcinus orca</i>)	Southern Resident DPS	Endangered (86 FR 41668)	Central/Southern Oregon coast	Foraging and migration
Leatherback turtle (<i>Dermochelys coriacea</i>)	N/A	Endangered (77 FR 4170)	Oregon coast	Foraging and migration
Humpback Whale (<i>Megaptera novaeangliae</i>)	Central America DPS, Mexico DPS	Endangered (86 FR 21082)	Pacific coast	Migration

¹Sources: NMFS (National Marine Fisheries). 2017. West Coast Region, Eulachon, Green Sturgeon, and Salmon and Steelhead Listings.

<http://www.westcoast.fisheries.noaa.gov/index.html>. Accessed April 2024.

StreamNet Mapper. <http://www.streamnet.org/>. Accessed April 2024.

USFWS (U.S. Fish and Wildlife Service). Critical Habitat Mapper.

<https://fws.maps.arcgis.com/home/item.html?id=9d8de5e265ad4fe09893cf75b8dbfb77>. Accessed April 2024.

NOAA Fisheries Protected Resources Map. 2024. [Protected Resources App \(noaa.gov\)](https://www.fisheries.gov/protected-resources). Accessed April 2024.

Slopes IV:

It is anticipated that the potential effects of the proposed project on salmon, steelhead, green sturgeon, and eulachon and their habitats will be covered under the existing NMFS 2012 Formal Programmatic Opinion, Letter of Concurrence, and Essential Fish Habitat Consultation for *Revisions to Standard Local Operating Procedures for Endangered Species to Administer Actions Authorized or Carried Out by the U.S. Corps of Engineers in Oregon* (SLOPES IV In-water/Over-water Structures). The project's need for a Section 10 Permit from the U.S. Army Corps of Engineers (Corps) authorizes implementation of the terms and conditions of the Slopes IV In-water/Over-water Structures to comply with the requirements of Section 7 of the ESA (see Attachment 2: Slopes IV Action Notification Form (Corps only)). Specifically, the proposed project has been designed to comply with the applicable design and construction criteria to *maintain, rehabilitate, replace, or remove an existing in-water or over-water structure*.

It is anticipated that the proposed project will have no permanent effect on marbled murrelets under the jurisdiction of the U.S. Fish and Wildlife Services (USFWS). Marbled murrelets were reported as "common" in Yaquina Bay in the early 1900s (USFWS 1997³), but they are now rarely reported inside the bay. In recent years, most reported sightings are of marbled murrelets observed near Nye Beach during strong coastal storms.

Given the proposed timing of in-water work falls mostly outside the nesting season [April 1 – September 1] and given that recent observations of marbled murrelets are not common, it is unlikely that marbled murrelets will be present within the action area during project construction.

B. Describe the existing navigation, fishing and recreational use of the waterbody or wetland.

Nye Beach is a popular tourist attraction and sees daily visitors year-round. The waters of the Pacific Ocean are utilized for navigation, fishing, and recreation.

(7) PROJECT SPECIFIC CRITERIA AND ALTERNATIVES ANALYSIS

Describe project-specific criteria necessary to achieve the project purpose. Describe alternative sites and project designs that were considered to avoid or minimize impacts to the waterbody or wetland.*

As the project involves maintenance to an existing facility, there are no options that would result in lesser environmental impacts than the preferred alternative; the footprint of the existing facility will not expand, and the volume of effluent being discharged into the ocean will not increase. Replacing the existing pipeline would have greater potential to cause a larger amount of disturbance to ocean and intertidal areas.

The no-action alternative would be to let the pipeline continue to leak and gradually deteriorate to the point where it becomes a danger to navigational and commercial vessels, as well as potential adverse impacts to marine mammals feeding areas, habitat and spawning for fish and mollusks. Pursuing the no-action alternative over time would render the pipeline unusable until it would have to be either be abandoned or completely replaced.

*Not required by the Corps for a complete application but is necessary for individual permits before a permit decision can be rendered.

(8) ADDITIONAL INFORMATION

Are there any state or federally listed species on the project site? ☒ Yes ☐ No ☐ Unknown

Is the project site within designated or proposed critical habitat? ☐ Yes ☒ No ☐ Unknown

Is the project site within a national Wild and Scenic River? ☐ Yes ☒ No ☐ Unknown

Is the project site within a State Scenic Waterway? ☐ Yes ☒ No ☐ Unknown

Is the project site within the 100-year floodplain? ☒ Yes ☐ No ☐ Unknown

If yes to any of the above, explain in Block 6 and describe measures to minimize adverse effects to these resources in Block 7.

Is the project site within the Territorial Sea Plan (TSP) Area? ☒ Yes ☐ No ☐ Unknown
If yes, attach TSP review as a separate document for DSL.

Is the project site within a designated Marine Reserve? ☐ Yes ☒ No ☐ Unknown
If yes, certain additional DSL restrictions will apply.

Will the overall project involve ground disturbance of one acre or more? ☐ Yes ☒ No ☐ Unknown
If yes, you may need a 1200-C permit from the Oregon Department of Environmental Quality (DEQ).

Is the fill or dredged material a carrier of contaminants from on-site or off-site spills? ☐ Yes ☒ No ☐ Unknown

Has the fill or dredged material been physically and/or chemically tested? ☐ Yes ☒ No ☐ Unknown

If yes, explain in Block 6 and provide references to any physical/chemical testing report(s).

Has a cultural resource (archaeological and/or built environment) survey been performed on the project area? ☐ Yes ☒ No ☐ Unknown

Do you have any additional archaeological or built environment documentation, or correspondence from tribes or the State Historic Preservation Office? ☐ Yes ☒ No ☐ Unknown

If yes, provide a copy of the survey and/or documentation of correspondence with this application to the Corps only. Do not describe any resources in this document. Do not provide the survey or documentation to DSL.

Is the project part of a DEQ Cleanup Site? ☐ Yes ☒ No Permit number _____ DEQ Contact _____

Will the project result in new impervious surfaces or the redevelopment of existing surfaces? Yes ☐ No ☒

If yes, the Applicant must submit a post-construction stormwater management plan to DEQ's 401 WQC program for review and approval, see <http://www.deq.state.or.us/wq/sec401cert/docs/stormwaterGuidelines.pdf>

Identify any other federal agency that is funding, authorizing or implementing the project.

Agency Name	Contact Name	Phone Number	Most Recent Date of Contact
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List other certificates or approvals/denials required or received from other federal, state or local agencies for work described in this application.

Agency	Certificate / approval / denial description	Date Applied
DLCD	Coastal Effects Evaluation, Enforceable Policy User Report	May, 2024
DSL	Proprietary Easement Authorization Form	May, 2024
Oregon State Parks	Ocean Shore Alteration Permit Application	May, 2024
City of Newport	Beach & Dune Site Review, Land Use Application	May, 2024
DEQ	401 Water Quality Certification	May, 2024

Other DSL and/or Corps Actions Associated with this Site (Check all that apply):

☐ Work proposed on or over lands owned by or leased from the Corps (may require authorization pursuant to 33 USC 408). These could include the federal navigation channel, structures, levees, real estate, dikes, dams and other Corps projects.

☐ State Owned Waterway DSL Waterway Lease # _____

☐ Other Corps or DSL Permits Corps # _____

☐ Violation for Unauthorized Activity Corps # _____ DSL # _____

☐ Wetland and Waters Delineation Corps # _____ DSL # _____

(9) IMPACTS, RESTORATION/REHABILITATION, COMPENSATORY MITIGATION

A. Describe unavoidable environmental impacts that are likely to result from the proposed project. Include permanent, temporary, direct, and indirect impacts.

Permanent Impacts: There are no permanent impacts that will occur. Even though sand will be permanently dispersed from the pipeline repair site and diffuser, due to tidal/wave action sand in the area is continually shifting and sand could reoccur within these areas.

Temporary and Indirect Impacts: Work below HMT and MHW on shore will entail temporary excavation of sands in the area surrounding the pipeline elbow and placement of the coffer cell. The coffer cell will be removed, and sand will be replaced to the original grade following completion of the inspection. The sand removal and refilling will result in a small amount of turbidity and may create some noise; however, the turbidity will be minimal and probably less than what is caused by daily tidal fluctuations. Noise will result from machinery used to clear sands surrounding the pipeline.

Turbidity will occur in the ocean when the sandy material will be dispersed into the water column by the forced air underwater vacuum tube. The sand that is removed along the pipeline and at the diffuser will be dispersed about 30 to 40 feet from the pipe as it settles to the bed of the ocean. Currents may disperse the sediment further afield, though this won't be known until the day of the dive. Impacts will be short lived and will only create indirect impacts.

B. For temporary removal or fill or disturbance of vegetation in waterbodies, wetlands or riparian (i.e., streamside) areas, discuss how the site will be restored after construction to include the timeline for restoration.

Except for the excavation along the beach, all disturbance will be within the water column; therefore, there is no temporary disturbance requiring restoration. The area on the beach will be refilled with sand to its original grade.

Compensatory Mitigation

C. Proposed mitigation approach. Check all that apply:

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Permittee-responsible
Onsite Mitigation | <input type="checkbox"/> Permittee-responsible
Offsite Mitigation | <input type="checkbox"/> Mitigation Bank or
in-lieu fee program | <input type="checkbox"/> Payment to Provide
(not approved for use
with Corps permits) |
|---|--|--|---|

D. Provide a brief description of mitigation approach and the rationale for choosing that approach. If you believe mitigation should not be required, explain why.

The temporary removal and fill of 50 cy of sand within a 300 square feet area of the beach will not create a loss of resources. The removal and dispersal of approximately 1,055 cubic yards from the pipeline and the outfall will create temporary impacts but the small amount of sediment will not create a loss of habitat. As such, no mitigation is proposed.

Mitigation Bank / In-Lieu Fee Information:			
Name of mitigation bank or in-lieu fee project: <u>N/A</u>			
Type of credits to be purchased: <u>N/A</u>			
If you are proposing permittee-responsible mitigation, have you prepared a compensatory mitigation plan? <input type="checkbox"/> Yes. Submit the plan with this application and complete the remainder of this section. <input type="checkbox"/> No. A mitigation plan will need to be submitted (<i>for DSL, this plan is required for a complete application</i>).			
Mitigation Location Information (Fill out only if permittee-responsible mitigation is proposed)			
Mitigation Site Name/Legal Description		Mitigation Site Address	Tax Lot #
County		City	Latitude & Longitude (in DD.DDDD format)
Township	Range	Section	Quarter/Quarter

(10) ADJACENT PROPERTY OWNERS FOR PROJECT AND MITIGATION SITE*

☒ Pre-printed mailing labels of adjacent property owners attached

HALLMARK INNS & RESORTS INC
5 CENTERPOINTE DR 590
LAKE OSWEGO OR 97035

SEASCAPE CONDO INC
15496 SW HIGHWAY 97
CULVER OR 9773

ORCA HOUSE LLC
2012 W GRACE AVE
SPOKANE WA 99205

PELICAN HOUSE LLC
2012 W GRACE AVE
SPOKANE WA 99205

LANA R WETHERILL
25804 NE OLSON RD
BATTLE GROUND WA 98604

DAWN NEWMAN
231 NW CLIFF ST
NEWPORT OR 97365

HALCYON HOTELS LLC
2601 NW THURMAN ST
PORTLAND OR 97210

JOHN BILL JONES
2138 LOS ANGELES AVE
BERKELEY CA 94707

CHARLOTTE A BOXER
606 N TOMAHAWK ISLAND DR
PORTLAND OR 97217

KENNETH R & GWYNETH P
OCONNELL
220 W 23RD AVE
EUGENE OR 97405

BEACH BUM BUNGALOWS LLC
8540 HIGHWAY 20
TOLEDO OR 97391

MARK & JOANNE H FRASCA
1216 NW 12TH ST
CORVALLIS OR 97330

CITY OF NEWPORT
ATTN: CITY MANAGER
169 SW COAST HIGHWAY
NEWPORT OR 97365

(11) CITY/COUNTY PLANNING DEPARTMENT LAND USE AFFIDAVIT
(TO BE COMPLETED BY LOCAL PLANNING OFFICIAL)

I have reviewed the project described in this application and have determined that:

- ☐ This project is not regulated by the comprehensive plan and land use regulations.
- ☐ This project is consistent with the comprehensive plan and land use regulations.
- ☒ This project is consistent with the comprehensive plan and land use regulations with the following:
- ☐ Conditional Use Approval
- ☒ Development Permit
- ☐ Other Permit (explain in comment section below)
- ☐ This project is not currently consistent with the comprehensive plan and land use regulations. To be consistent requires:
- ☐ Plan Amendment
- ☐ Zone Change
- ☐ Other Approval or Review (see comment section)

An application or variance request has ☐ has not ☐ been filed for approvals required above.

Local planning official name (print)

Derrick I. Tokos, AICP

Title

Community Development Director

City / County

Newport

Signature

Date

May 16, 2024

Comments:

Project is subject to a beach and dune land use application as outlined in NMC Chapter 14.24.

(12) COASTAL ZONE CERTIFICATION

If the proposed activity described in your permit application is within the [Oregon Coastal Zone](#), the following certification is required before your application can be processed. The signed statement will be forwarded to the Oregon Department of Land Conservation and Development (DLCD) for its concurrence or objection. For additional information on the Oregon Coastal Zone Management Program and consistency reviews of federally permitted projects, contact DLCD at 635 Capitol Street NE, Suite 150, Salem, Oregon 97301 or call 503-373-0050 or click [here](#).

CERTIFICATION STATEMENT

I certify that, to the best of my knowledge and belief, the proposed activity described in this application complies with the approved Oregon Coastal Zone Management Program and will be completed in a manner consistent with the program.

Print/Type Applicant Name

Mark E Carden

Title

Vice President, Georgia-Pacific Toledo LLC

Applicant Signature

Date

May 16, 2024

(13) SIGNATURES

Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and, to the best of my knowledge and belief, this information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities. By signing this application I consent to allow Corps or DSL staff to enter into the above-described property to inspect the project location and to determine compliance with an authorization, if granted. I hereby authorize the person identified in the authorized agent block below to act in my behalf as my agent in the processing of this application and to furnish supplemental information in support of this permit application. I understand that the granting of other permits by local, county, state or federal agencies does not release me from the requirement of obtaining the permits requested before commencing the project. I understand that payment of the required state processing [fee](#) does not guarantee permit issuance. To be considered complete, the fee must accompany the application to DSL. The fee is not required for submittal of an application to the Corps.

Fee Amount Enclosed

\$

Applicant Signature (required) Must match name in Block 2

Print Name

Mark E. Carden

Title

Vice President Georgia-Pacific Toledo LLC

Signature



Date

May 16, 2024

Authorized Agent Signature

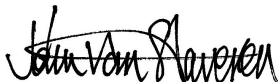
Print Name

John van Staveren

Title

Senior Scientist

Signature



Date

5/16/2024

Landowner Signature(s)*

Landowner of the Project Site (if different from applicant)

Print Name

Title

Signature

Date

Landowner of the Mitigation Site (if different from applicant)

Print Name

Title

Signature

Date

Department of State Lands, Property Manager (to be completed by DSL)

If the project is located on [state-owned submerged and submersible lands](#), DSL staff will obtain a signature from the Land Management Division of DSL. A signature by DSL for activities proposed on state-owned submerged/submersible lands only grants the applicant consent to apply for a removal-fill permit. A signature for activities on state-owned submerged and submersible lands grants no other authority, express or implied and a separate proprietary authorization may be required.

Print Name

Title

Signature

Date

* Not required by the Corps.

(14) ATTACHMENTS

☐ Drawings

- ☒ Location map with roads identified
- ☒ U.S.G.S. topographic map
- ☒ Tax lot map
- ☒ Site plan(s)
- ☒ Cross section drawing(s)
- ☒ Recent aerial photo
- ☐ Project photos
- ☐ Erosion and Pollution Control Plan(s), if applicable
- ☐ DSL/Corps Wetland Concurrence letter and map, if approved and applicable
- ☒ Pre-printed labels for adjacent property owners (Required if more than 5)
- ☐ Incumbency certificate if applicant is a partnership or corporation
- ☐ Restoration plan or rehabilitation plan for temporary impacts
- ☐ Mitigation plan
- ☐ Wetland functional assessment, if applicable
 - ☐ Cover Page
 - ☐ Score Sheets
 - ☐ ORWAP OR , F, T, & S forms
 - ☐ ORWAP Reports
 - ☐ Assessment Maps
 - ☐ ORWAP Reports: Soils, Topo, Assessment area, Contributing area
- ☒ Stream Functional Assessment, if applicable (**See Section 6**)
 - ☐ Cover Page
 - ☐ Score Sheets
 - ☐ SFAM PA, PAA, & EAA forms
 - ☐ SFAM Report
 - ☐ Assessment Maps
 - ☐ Aerial Photo, Site Map, and Topo Site Map (Both maps should document the PA, PAA, & EAA)
- ☐ Compensatory Mitigation (CM) Eligibility & Accounting [Worksheet](#)
 - ☐ Matching Quickguide Sheet(s)
 - ☐ CM Eligibility & Accounting Sheet
- ☐ Alternatives analysis
- ☐ Biological assessment (if requested by Corps project manager during pre-application coordination)
- ☐ Stormwater management plan (may be required by the Corps or DEQ)
- ☐ Other: Please Describe:
 - ☐ _____
 - ☐ _____

For U.S. Army Corps of Engineers send application to:

USACE Portland District

ATTN: CENWP-ODG-P
PO Box 2946
Portland, OR 97208-2946
503-808-4373
portlandpermits@usace.army.mil

U.S. Army Corps of Engineers

ATTN: CENWP-ODG-E
211 E. Seventh Ave., Suite 105
Eugene, OR 97401-2722
541-465-6868
portlandpermits@usace.army.mil

For Department of State Lands send application to:

West of the Cascades:

Department of State Lands
775 Summer Street NE, Suite 100
Salem, OR 97301-1279
503-986-5200

Counties:

Baker, Benton, Clackamas, Clatsop, Columbia, Gilliam,
Grant, Hood River, Jefferson Lincoln, Linn, Malheur,
Marion, Morrow, Multnomah, Polk, Sherman,
Tillamook, Umatilla, Union, Wallowa, Wasco,
Washington, Wheeler, Yamhill

Counties:

Coos, Crook, Curry, Deschutes, Douglas, Jackson,
Josephine, Harney, Klamath, Lake, Lane

East of the Cascades:

Department of State Lands
1645 NE Forbes Road, Suite 112
Bend, Oregon 97701
541-388-6112

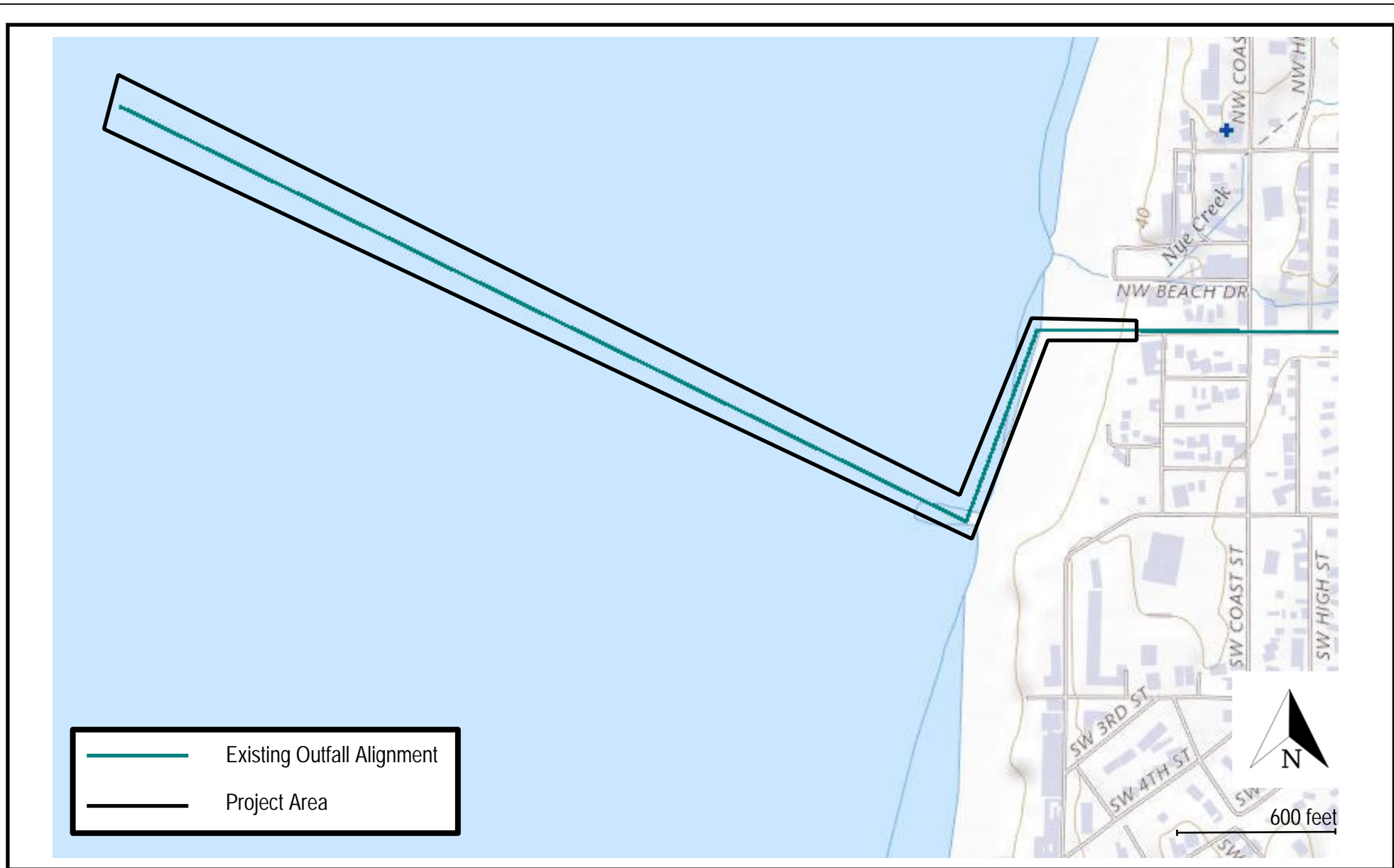
For Department of Environmental Quality email application to:

ATTN: DEQ 401 Certification Program
Water Quality
700 NE Multnomah St, Suite 600
Portland, OR 97232
401applications@deq.state.or.us

Attachment 1

Figures





Project #7912
4/30/2024

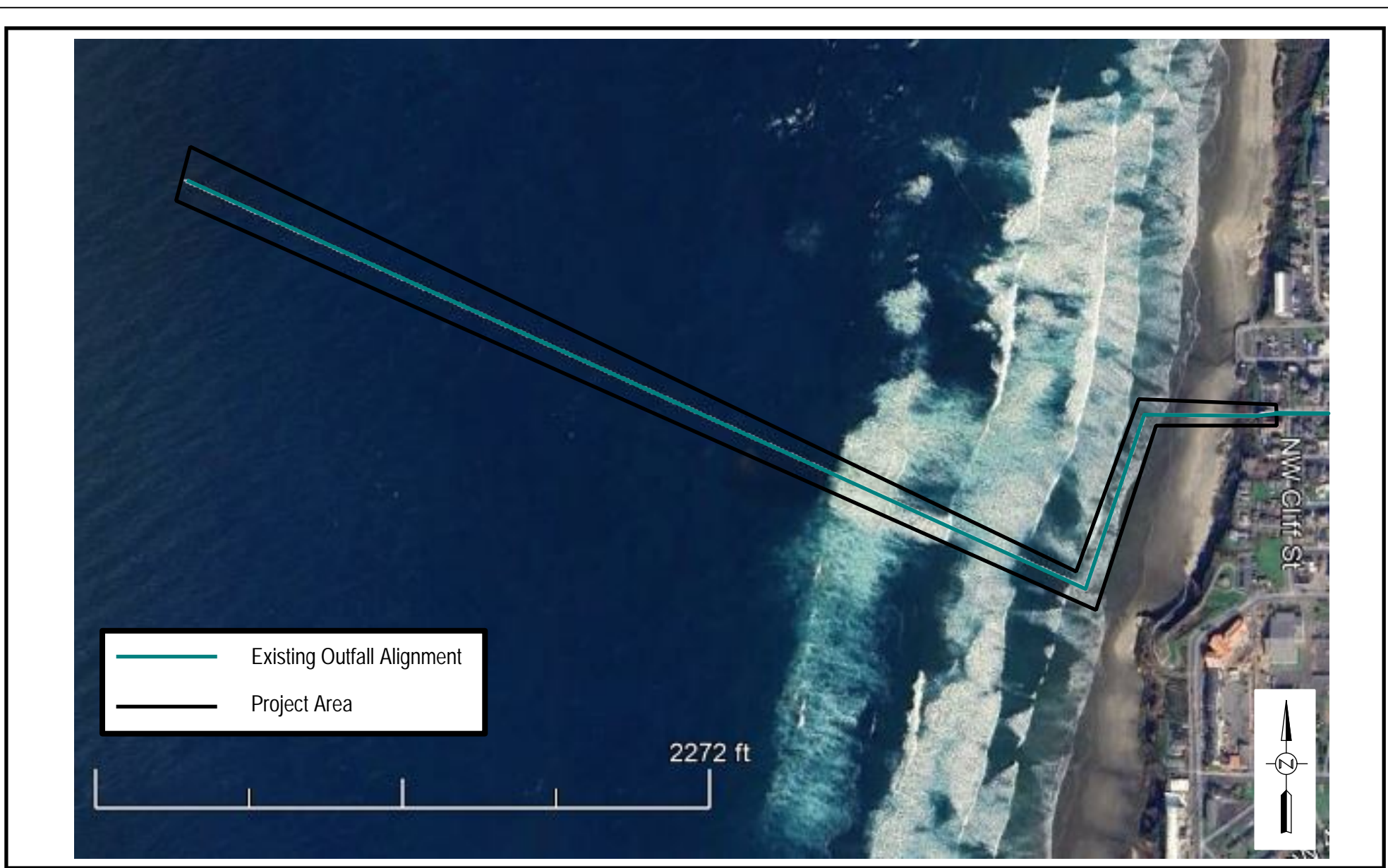


Pacific Habitat Services, Inc.
9450 SW Commerce Circle, Suite 180
Wilsonville, OR 97070

General Location and Topography
Toledo Mill Effluent Ocean Outfall Repair - Lincoln County, Oregon
United States Geological Survey (USGS) Gladstone, Oregon 7.5 quadrangle, 2020
(viewer.nationalmap.gov/basic)

FIGURE

1



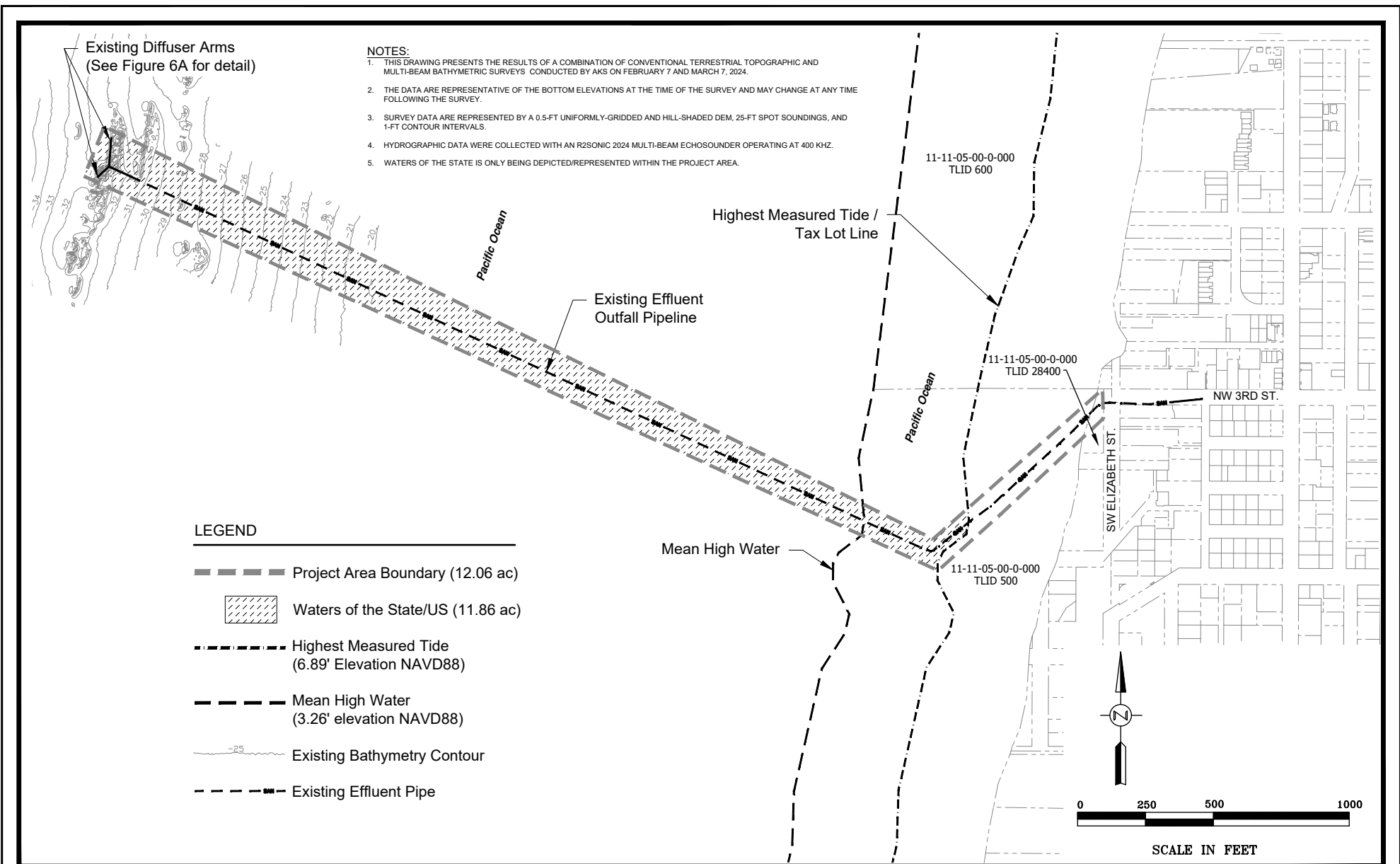
Project #7912
4/30/2024



Pacific Habitat Services, Inc.
9450 SW Commerce Circle, Suite 180
Wilsonville, OR 97070

Aerial Photo (February, 2024)
Toledo Mill Effluent Ocean Outfall Repair - Lincoln County, Oregon
GoogleEarth, 2024

FIGURE
3

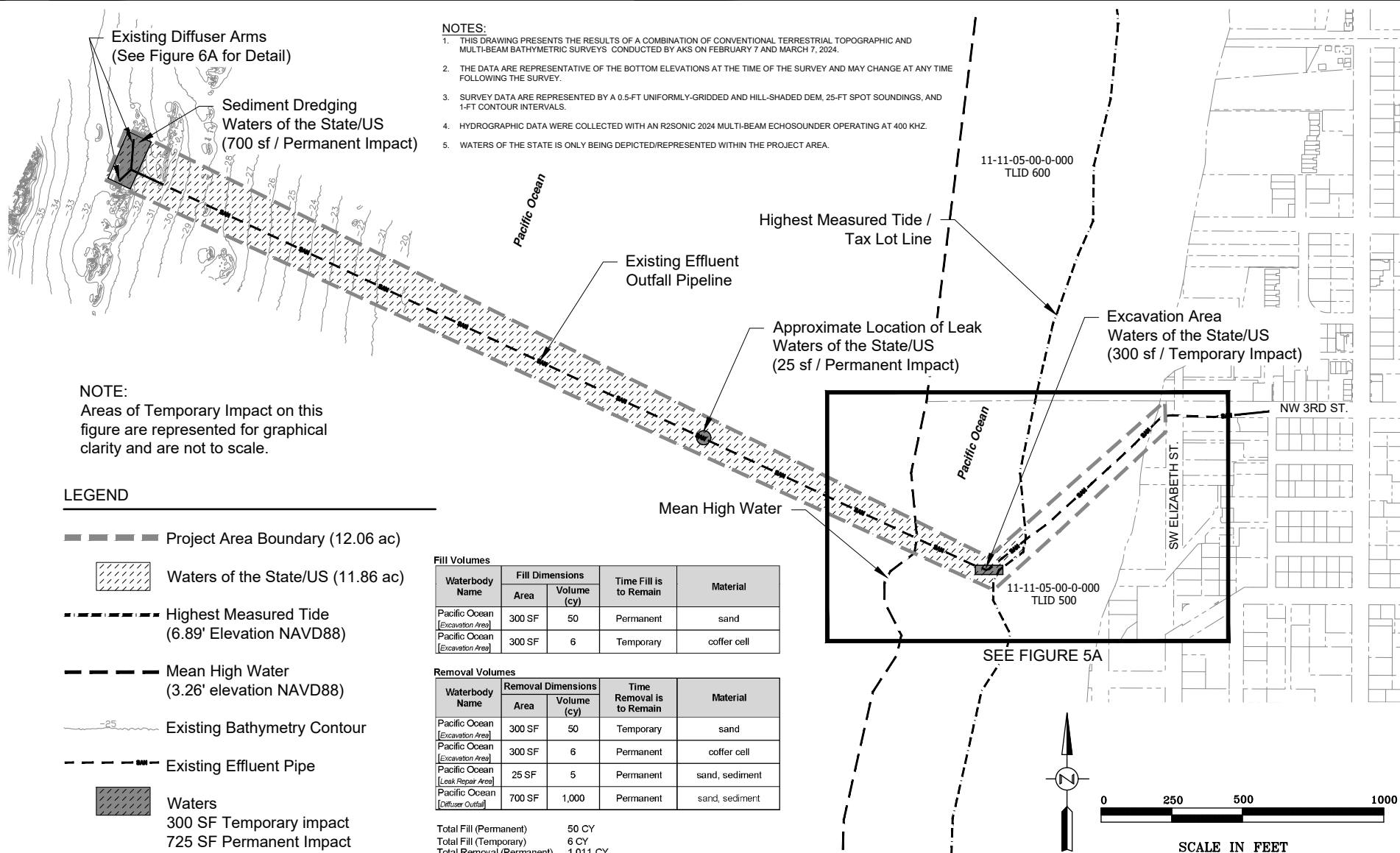


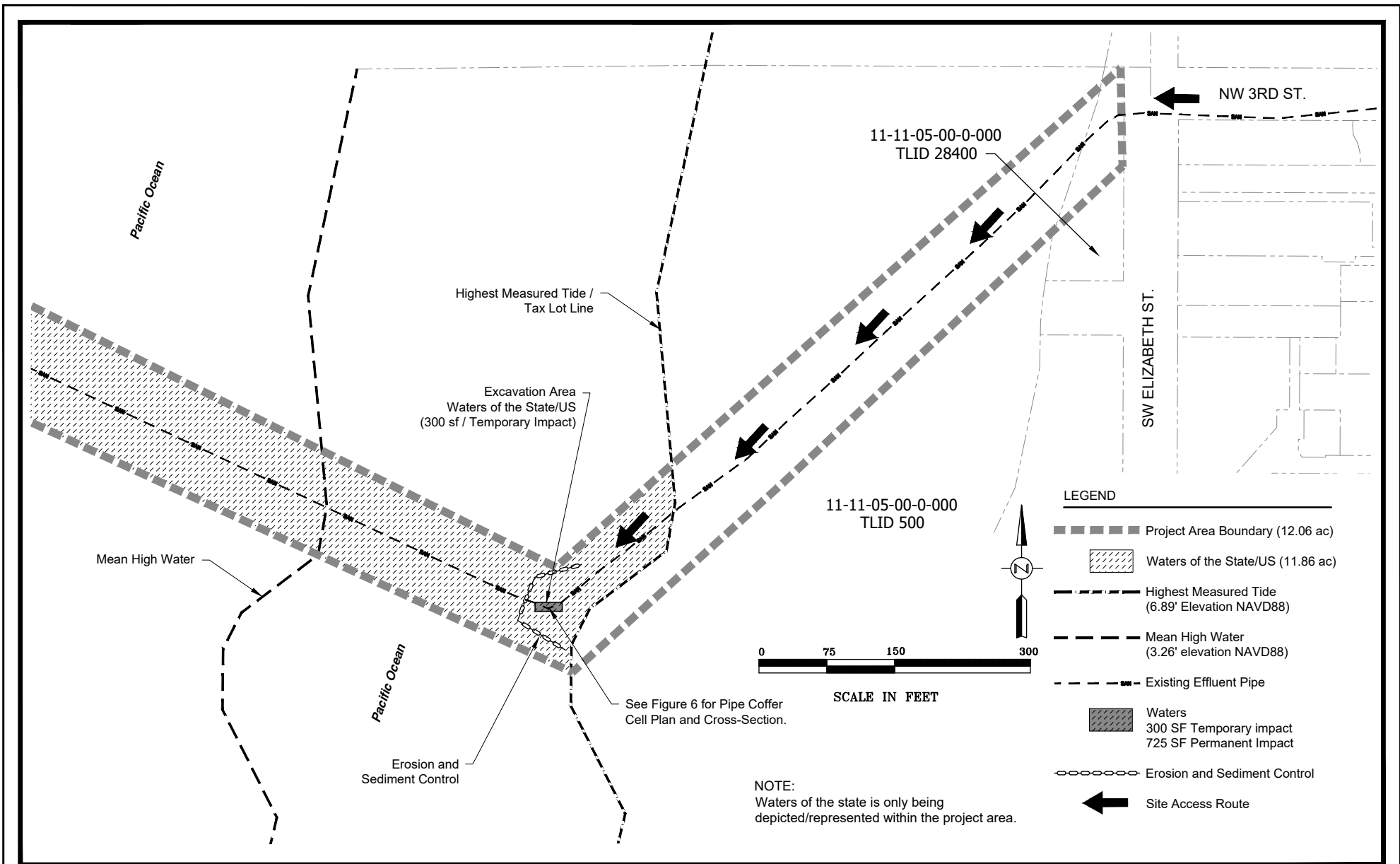
Surveys provided by AKS Engineering and are based on based on construction or survey documents; no accuracy is specified. These figures are not intended for use in construction and only for representation of relative areas where work and access to the site is to occur.

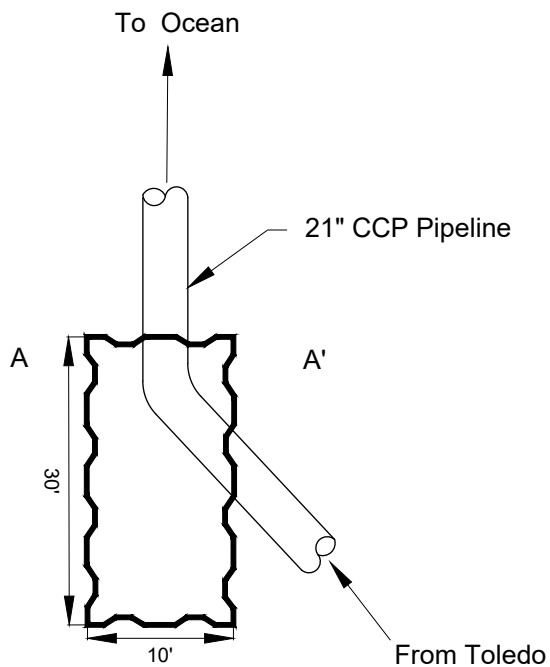
Existing Conditions
Toledo Mill Effluent Ocean Outfall Repair - Lincoln County, Oregon

FIGURE
4

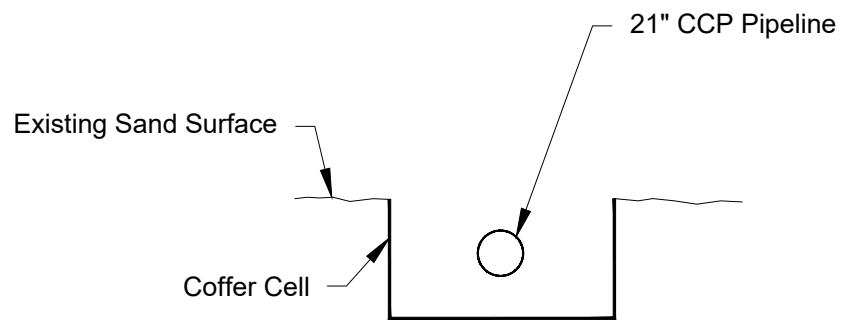
5-21-2024



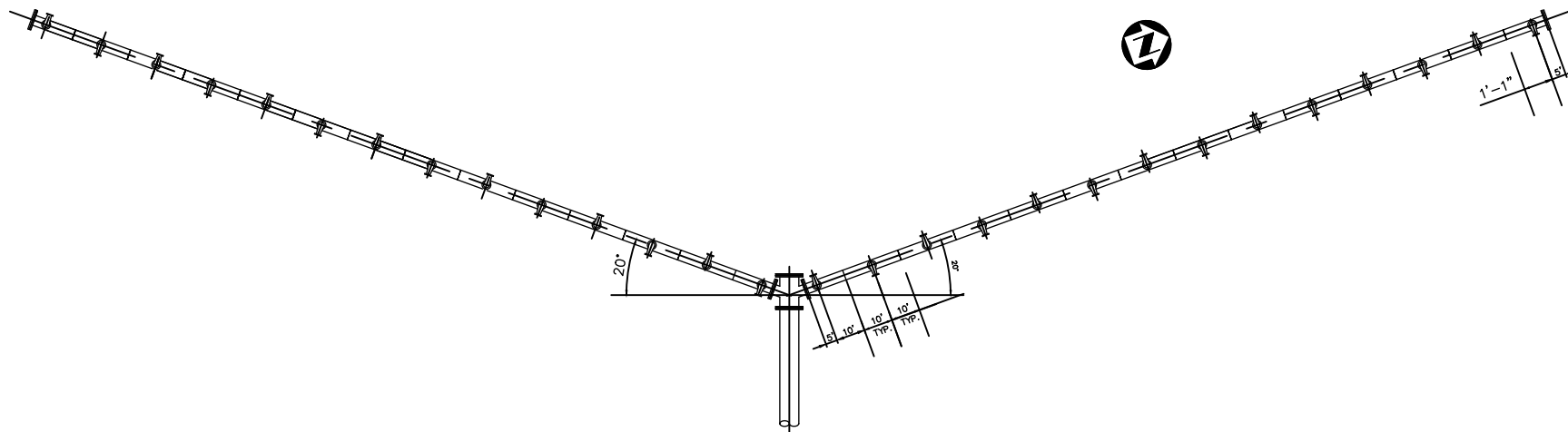




Temporary Coffor Cell - Plan View
Not to Scale



Cross Section A-A'
Not to Scale



EFFLUENT DIFFUSER ARMS

NOTE:
LENGTHS ARE TO SCALE (1"=75'). PIPE & NOZZLE SIZES
ARE NOT TO SCALE.



Detail provided by AKS Engineering

Diffuser Arms Detail
Toledo Mill Effluent Ocean Outfall Repair - Lincoln County, Oregon

FIGURE
6A

5-10-2024

Attachment 2

Slopes IV Notification Form (Corps Only)



SLOPES IV PROGRAMMATIC – IN-WATER OVER-WATER STRUCTURES ACTION NOTIFICATION FORM

Submit this completed action notification form with the following information to NMFS at slopes.nwr@noaa.gov. The SLOPES IV Programmatic e-mail box is to be used for **Incoming Only**.

NMFS Review and Approval. All actions must be individually reviewed and approved by NMFS as consistent with this opinion before that action is authorized. NMFS will notify the Corps within 30 calendar days if the action is approved or disqualified. Attach engineering designs and the results of a site assessment for contaminants to identify the type, quantity, and extent of any potential contamination.

Attach a copy of the erosion and pollution control plan, if required.

DATE OF REQUEST: 5/14/2024

NMFS Tracking #:

Statutory Authority: ☐ ESA ONLY ☐ EFH ONLY ☒ ESA & EFH INTEGRATED

Lead Action Agency: Corps of Engineers

Action Agency Contact: _____ **Individual Corps Permit #:** NWP-2024-25

Applicant: Mark E. Carden

Individual DSL Permit #: _____

Action Title: Toledo Mill Effluent Ocean Outfall Repair

6th Field HUC & Name: Whale Cove – Pacific Ocean (#171002041000)

Latitude & Longitude

(including degrees,
minutes, and seconds)

44.6354, -124.0335

Proposed Project:

Start Date: August 1, 2024

End Date: March 31, 2025

Action Description:

The proposed project is the inspection, maintenance, and repair of an existing treated effluent pipe that originates from the Georgia-Pacific mill in Toledo and is conveyed into the Pacific Ocean in Newport. Work will take place within Nye Beach and below the Highest Measured Tide (HMT) and mean high water/high mean water (MHW/HMW) of the Pacific Ocean. The project area is approximately 10 acres, extending from a pipeline elbow in Nye Beach to approximately 3,890 feet offshore. Proposed work involves the excavation and inspection of the pipeline section within Nye Beach, the repair of a leak approximately 1000 feet offshore along the pipeline on the bed of the ocean, and the dispersal of up to 1000 cubic yards of sand from the pipeline's diffuser. It is anticipated the work will be authorized under the terms and conditions of the Corps Nationwide Permit #7 (Outfalls) and an Individual Permit from the Department of State Lands (DSL).

All proposed activities will occur below the Highest Measured Tide (HMT) of Pacific Ocean at Nye Beach between August 1, 2024, to March 31, 2025. The proposed project will require up to 21 days of in-water work. Pipeline inspection, maintenance, and repair will be conducted in accordance with the General Construction design criteria outlined in the SLOPES IV In-water/Over-water Structures programmatic opinion. Sediment surrounding the existing steel clamp that was last used to repair the pipeline will be removed and the clamp will be lifted and placed into a containment basin. All removed repair materials will be disposed of in an appropriate upland site, and none will remain in waters. The new clamp will then be installed. Sediment removed from the area will be allowed to naturally backfill. Area surrounding the effluent outfall of the pipeline will be removed as deemed necessary. Removed sediment will not be replaced. Inspection of the

pipeline will occur on the beach during low tide when conditions are suitable for work. The area surrounding the pipeline elbow will be excavated, inspected, and backfilled using the excavated materials.

The following is a general sequence of proposed project activities:

1. Flush and temporarily shut down discharge from Toledo Mill to effluent outfall within 24 hours of expected work start. Mobilize to staging areas.
2. Locate and repair clamp where leak is occurring.
3. Remove sediments from outfall and inspect area
4. Excavate pipeline elbow and inspect, backfill with excavated materials when completed. If inspection requires more than one shift, area will be fenced and monitored 24 hours a day to ensure the public is kept away from excavated area. Regrade to pre-work conditions.
5. Restart discharge to outfall and have divers inspect clamp to ensure repair is working as expected.
6. Remove all site work material and wastes from work and staging area.

It is anticipated that the potential effects of the proposed project on salmon, steelhead, green sturgeon, and eulachon and their habitats will be covered under the existing NMFS 2012 Formal Programmatic Opinion, Letter of Concurrence, and Essential Fish Habitat Consultation for *Revisions to Standard Local Operating Procedures for Endangered Species to Administer Actions Authorized or Carried Out by the U.S. Corps of Engineers in Oregon* (SLOPES IV In-water/Over-water Structures). The project's need for a Section 10 Permit from the U.S. Army Corps of Engineers (Corps) authorizes implementation of the terms and conditions of the SLOPES IV In-water/Over-water Structures to comply with the requirements of Section 7 of the ESA (see Attachment 2: SLOPES IV Action Notification Form). Specifically, the proposed project has been designed to comply with the applicable design and construction criteria to *maintain, rehabilitate, replace, or remove an existing in-water or over-water structure*.

Measures to Minimize Impacts: As discussed above, the proposed project will be conducted in accordance with the General Construction design criteria outlined in the SLOPES IV In-water/Over-water Structures programmatic opinion. As such, the following conservation measure will be employed during project construction to avoid and/or minimize potential impacts to water quality and ESA-listed species:

Pollution Control

- A Pollution Control Plan (PCP) will be prepared by the Contractor and carried out commensurate with the scope of the project that includes the following:
 - Best management practices to confine, remove, and dispose of construction waste.
 - Procedures to contain and control a spill of any hazardous material.
 - Practices to prevent construction debris from dropping into any waterbody.
 - Steps to cease work under high turbidity conditions, except for efforts to avoid or minimize resource damage.

Heavy Equipment

- Heavy equipment will be selected and operated as necessary to minimize adverse effects on the environment; and all vehicles and other heavy equipment will be used as follows:
 - Stored, fueled and maintained in a vehicle staging area placed 150 feet or more from any waterbody, or in an isolated hard zone such as a paved parking lot.
 - Inspected daily for fluid leaks before leaving the vehicle staging area for operation within 50 feet of any waterbody.
 - Steam-cleaned before operation below HMT, and as often as necessary during operation to remain free of all external oil, grease, mud, seeds, organisms, and other visible contaminants.
 - Generators, cranes and other stationary equipment operated within 150 feet of any waterbody will be maintained and protected as necessary to prevent leaks and spills from entering the water.

- All vehicles and engines used during construction will be shut off when not in use and in between uses.

In-water Work Period

- All work conducted below the Highest Measured Tide (HMT) of the Pacific Ocean at Nye Beach will occur between August 1, 2024, and March 31, 2025.

Type of Action:

Identify the type of action proposed.

- ☒ In-water Over-water Structure
- ☒ Access Maintenance
- ☐ Piling Installation or Removal

- What is the number of impact hammer strikes per pile?
N/A
- What is the number of hours/minutes required to drive one pile and all piles?
N/A
- What is the number of hours per day pile driving will occur?
N/A
- What is the depth of water and type of substrate the piles will be driven in?
N/A
- If an impact hammer is used, will it be the entire pile or the last few hits per pile?
N/A
- What is the diameter of the piles?
N/A
- Will pile-driving be continuous?
N/A
- Will be pile be driven straight or battered?
N/A
- Will a template be used?
N/A
- Pile type (H, round, etc)?
N/A
- When is pile-driving proposed?
N/A
- What life-stages are known to occur within the action area.
Rearing and migration.
- If provided, what is the source of hydroacoustic assumptions?
N/A
- Installation plan/ schematics included?
Figures 5 and 6 of the permit application.

- Pile spacing?
N/A

Residential Dock

- *Is the proposed dock within 100 ft of a tributary that supports a run of ESA listed fish?*
N/A
- *Is the pier leading to the float twider than 8 ft?*
N/A

NMFS Species/Critical Habitat Present in Action Area:

Identify the species found in the action area:

Species:

- ☐ Lower Columbia River Chinook
- ☐ Upper Willamette River spring-run Chinook
- ☐ Upper Columbia spring-run Chinook
- ☐ Snake River spring/summer run Chinook
- ☐ Snake River fall-run Chinook
- ☐ Columbia River chum
- ☐ Lower Columbia River coho
- ☒ Oregon Coast coho salmon
- ☐ Southern Oregon/Northern California coasts coho
- ☐ Snake River sockeye
- ☐ Lower Columbia River steelhead
- ☐ Upper Willamette River steelhead
- ☐ Middle Columbia River steelhead
- ☐ Upper Columbia River steelhead
- ☐ Snake River Basin steelhead
- ☒ Southern Green sturgeon
- ☒ Eulachon
- ☒ Steller sea lion

EFH

- ☒ Salmon
- ☐ Coastal Pelagics
- ☐ Groundfish

Aquatic Vegetation

Is the project in a saltwater influenced area (estuary)? Yes ☐ No ☒
Has an aquatic vegetation survey been completed? Yes ☐ No ☒

If yes, include the results of the survey

If no, explain below why a survey was not conducted: The proposed proposed project is for maintenance of existing in-water structures (piles).

Terms and Conditions:

Check the Terms and Conditions from the biological opinion that will be included as conditions on the permit issued for this proposed action. Please attach the appropriate plan(s) for this proposed action.

Administrative

- ☒ 5. Site access
- ☐ 6. Salvage notice
- ☒ 7. Action completion report
- ☐ 8. Site restoration/mitigation report

Construction

- ☒ 11. Pollution/erosion control
- ☐ 12. Stormwater management
- ☐ 13. Site restoration
- ☐ 14. Compensatory mitigation
- ☐ 15. Preconstruction activity
- ☐ 16. Site preparation
- ☐ 17. Heavy equipment
- ☒ 18. In-water work period
- ☐ 19. Work area isolation
- ☐ 20. Capture and release
- ☐ 21. Piling installation
- ☐ 22. Impact hammer usage
- ☐ 23. Pile driving near Stellar sea lions
- ☐ 24. Piling removal
- ☐ 25. Broken or intractable piling
- ☐ 26. Treated wood
- ☐ 27. Treated wood removal

Action Type**In-water Over-water Structure**

- ☐ 28. Boat ramps
- ☐ 29. Educational signs
- ☐ 30. Flotation material
- ☐ 31. New or replacement floats
- ☐ 32. Piscivorous birds
- ☐ 33. Relocation of existing structures
- ☐ 34. Repair/replacement of covered moorage/boat houses

Access Management

- ☒ 35. Maintenance dredging

Minor Discharge

- ☐ 36. Functionality Dredging/Minor discharge

Attachment 3

Territorial Sea Plan – Evaluation of Resources and Effects Determination (DSL Only)

