



WASHINGTON STATE
Joint Aquatic Resources Permit

Application (JARPA) Form ^{1,2}

use black or blue ink to enter answers in the white spaces below.

AGENCY USE ONLY

Date received: **July 14, 2015**
Electronic

Agency reference #: _

Tax Parcel #(s): _____

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith’s Dock or Seabrook Lane Development)
[\[help\]](#)

Targa Sound Terminal Maintenance Dredge

Part 2–Applicant

The person and/or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle)

Goodman, Troy (Applicant) / Rudy Salazar (Coordinator)

2b. Organization (If applicable)

Targa Sounds Terminal LLC

2c. Mailing Address (Street or PO Box)

2628 Marine View Drive

2d. City, State, Zip

Tacoma Washington 98422

2e. Phone (1)

2f. Phone (2)

2g. Fax

2h. E-mail

(253) 272-9348

()

(253) 272-5686

tgoodman@targaresources.com

¹Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

²To access an online JARPA form with [\[help\]](#) screens, go to

http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor’s Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@ora.wa.gov.

Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

3a. Name (Last, First, Middle)			
McKinney, Jason			
3b. Organization (If applicable)			
Anchor QEA, LLC			
3c. Mailing Address (Street or PO Box)			
1119 Pacific Avenue, Suite 1600			
3d. City, State, Zip			
Tacoma, Washington 98402			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail
(206) 903-3388	()	()	jmckinney@anchorqea.com

Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
Erin DeBroux			
4b. Organization (If applicable)			
Port of Tacoma			
4c. Mailing Address (Street or PO Box)			
One Sitcum Plaza			
4d. City, State, Zip			
Tacoma, Washington 98421			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail
(253) 383-5841	()	()	edebroux@portoftacoma.com

Part 5—Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input checked="" type="checkbox"/> Private <input type="checkbox"/> Federal <input checked="" type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.) <input type="checkbox"/> Tribal <input type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)			
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]			
2628 Marine View Drive			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Tacoma, Washington, 98422-3504			
5d. County [help]			
Pierce			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
	26	21	3 East
5f. Provide the latitude and longitude of the project location. [help]			
<ul style="list-style-type: none"> • Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83) 			
47.1635 N lat. / -122.2313 W long.			
5g. List the tax parcel number(s) for the project location. [help]			
<ul style="list-style-type: none"> • The local county assessor’s office can provide this information. 			
2275200211 and 0321264073			
5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]			
Name	Mailing Address	Tax Parcel # (if known)	
Port of Tacoma	3906 East 11th Street	0321263049	
	Tacoma, Washington	Federal Navigation Channel	
Targa Sound Terminal LLC	2628 Marine View Drive	0321264073, 0321263048,	
	Tacoma, Washington 98422-3504	0321264046	

5i. List all wetlands on or adjacent to the project location. [help]
Not applicable
5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [help]
Hylebos Waterway, Commencement Bay, Puget Sound
5k. Is any part of the project area within a 100-year floodplain? [help]
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
5l. Briefly describe the vegetation and habitat conditions on the property. [help]
The Project is contained entirely within the deep water portion of the berthing area. The adjacent upland areas contain an intertidal mudflat owned by the Port of Tacoma and shoreline armoring with sporadic Himalayan blackberry (<i>Rubus armeniacus</i>) along the Targa property.
5m. Describe how the property is currently used. [help]
The property is currently used as a berthing area for vessels and barges accessing the Targa transfer terminal.
5n. Describe how the adjacent properties are currently used. [help]
The upland property owned by Targa is used for the storage of a variety of petroleum, petroleum products, and renewable fuels. The adjacent parcel to the north is owned by the Port of Tacoma and serves as intertidal habitat restoration. The property to the south serves as the federal navigation channel, which is located within Port of Tacoma property.
5o. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [help]
A large wooden pier, approximately 800 feet long, is located adjacent to the berthing area. Materials are conveyed to and from vessels berthed at the pier to upland storage facilities.
5p. Provide driving directions from the closest highway to the project location, and attach a map. [help]
From Interstate 5 1 – Take Exit 137 2 – Turn north onto 54th Avenue East 3 – Continue straight onto Taylor Way East 4 – Turn right into State Route 509/Marine View Drive 5 – Destination is on left at 2826 Marine View Drive

Part 6—Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [\[help\]](#)

Targa Sound Terminal LLC (Targa) operates a transfer terminal at 2628 Marine View Drive along the Hylebos Waterway in Tacoma, Pierce County, Washington (Sheet 1). A portion of the existing berthing area no longer achieves previously approved depths of -30 feet mean lower low water (MLLW). Targa is proposing the Targa Sound Terminal Maintenance Dredge Project (Project) to dredge to previously maintained depths at the berth adjacent to their terminal dock in order to provide adequate depth for berthing and access to the terminal (Sheet 2).

The Project proposes maintenance dredging to a depth of -30 feet MLLW, with an additional 2 feet of overdredge allowance, plus up to 1 foot of additional overdredging to accommodate placement of anti-degradation sand cover material, (to a total of -33 feet MLLW), resulting in an approximate volume of up to 7,500 cubic yards (cy) of sediment to be removed and up to 1,920 cy of sand cover placement (Sheet 3). This estimate is based on current bathymetry data. Maintenance dredge activities will occur in the berth on aquatic lands owned by Targa and on aquatic lands owned by the Port of Tacoma, including a portion within the Federal Navigation Channel.

Estimated maintenance dredge volumes for the Project are identified in Table 1.

Table 1
Estimated Initial Maximum Maintenance Dredge and Cover Volumes

Location	Maintenance Dredge Area (sf)	Maintenance Dredge Volume (-33 MLLW) (cy)	Sand Cover Placement (sf)	Sand Cover Placement (1-foot maximum thickness) (cy)
Targa Parcel	32,500	5,400	32,500	1,450
Port of Tacoma Aquatic Lands	10,500	2,100	10,500	470
Total	43,000	7,500	43,000	1,920

Notes:

cy = cubic yards

sf = square feet

MLLW = mean lower low water

6b. Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

The purpose of the proposed Project is to re-establish previously maintained depths within the berthing area. The proposed Project will also dredge a portion of the Port property so vessels and barges can safely access the berth from the navigation channel.

6c. Indicate the project category. (Check all that apply) [\[help\]](#)

- Commercial
 Residential
 Institutional
 Transportation
 Recreational

Maintenance Environmental Enhancement

6d. Indicate the major elements of your project. (Check all that apply) [\[help\]](#)

<input type="checkbox"/> Aquaculture <input type="checkbox"/> Bank Stabilization <input type="checkbox"/> Boat House <input type="checkbox"/> Boat Launch <input type="checkbox"/> Boat Lift <input type="checkbox"/> Bridge <input type="checkbox"/> Bulkhead <input type="checkbox"/> Buoy <input type="checkbox"/> Channel Modification	<input type="checkbox"/> Culvert <input type="checkbox"/> Dam / Weir <input type="checkbox"/> Dike / Levee / Jetty <input type="checkbox"/> Ditch <input type="checkbox"/> Dock / Pier <input checked="" type="checkbox"/> Dredging <input type="checkbox"/> Fence <input type="checkbox"/> Ferry Terminal <input type="checkbox"/> Fishway	<input type="checkbox"/> Float <input type="checkbox"/> Floating Home <input type="checkbox"/> Geotechnical Survey <input type="checkbox"/> Land Clearing <input type="checkbox"/> Marina / Moorage <input type="checkbox"/> Mining <input type="checkbox"/> Outfall Structure <input type="checkbox"/> Piling/Dolphin <input type="checkbox"/> Raft	<input type="checkbox"/> Retaining Wall (upland) <input type="checkbox"/> Road <input type="checkbox"/> Scientific Measurement Device <input type="checkbox"/> Stairs <input type="checkbox"/> Stormwater facility <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Utility Line
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Other:

Placement of anti-degradation sand cover material

6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

General construction methods that will be applied to the Project include the following:

- The contractor will spud or anchor a barge in a manner that maintains navigation within the federal channel.
- Sediment will be mechanically dredged to the required dredge elevations, as detailed in Table 1, by a crane or excavator-operated clamshell bucket mounted on a barge.
- Gravity dewatering of the dredged sediment will occur on a flatdeck barge. The return water will be filtered to remove suspended solids and will be allowed to re-enter the Hylebos Waterway adjacent to the point of dredging. The sideboards and scuppers of the barge will be covered by a filter media, such as straw bales and/or geo-textile fabric, to filter and retain suspended sediment while allowing the filtered water to drain back into the surface water at the point of dredging.
- A barge-mounted or land-based crane or long-arm excavator will be used to transfer dredged material from the haul barge into haul trucks. To contain sediment that could be spilled during this transfer process, a spill-prevention apron (e.g., spill plate) will be installed that sufficiently extends out to the haul barge so that any spilled material will fall back either into the haul barge or onto the pier, and not into the water. Any spillage on the pier will be removed as soon as practicable and will be properly disposed of.
- Direct placement of sediment into haul trucks is the preferred option. However, depending on the methods proposed by the selected contractor, a staging area designated for sediment transloading and dewatering may be established at a location proposed by the contractor. In this case, the dredged material will be offloaded over the spill prevention apron directly into the temporary staging area. The temporary staging area will be less than 1 acre, lined with an impermeable liner, and surrounded by perimeter containment (e.g., Washington State Department of Ecology blocks). The sediment will be heaped by a front-end loader or similar type of equipment to promote drainage before the sediment is loaded into haul trucks or rail gondolas. To comply with applicable water quality criteria and discharge requirements, the excess water (i.e., effluent) that drains from the sediment or accumulates through rainfall within the temporary staging area will be collected and filtered before being returned to the receiving waters of the transload area, in accordance with permit conditions.
- From the offload area, dredged materials for upland placement will be transported to an approved upland facility.

6f. What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start date: September 2015 End date: February 2016 See [JARPA Attachment D](#)

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

\$1,500,000

6h. Will any portion of the project receive federal funding? [\[help\]](#)

- **If yes**, list each agency providing funds.

Yes No Don't know

Part 7–Wetlands: Impacts and Mitigation

Check here if there are wetlands or wetland buffers on or adjacent to the Project area.

(If there are none, skip to Part 8.) [\[help\]](#)

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [help]
<input checked="" type="checkbox"/> Not applicable
No wetlands are located in the Project area.
7b. Will the project impact wetlands? [help]
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know
7c. Will the project impact wetland buffers? [help]
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know
7d. Has a wetland delineation report been prepared? [help]
<ul style="list-style-type: none"> • If Yes, submit the report, including data sheets, with the JARPA package.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help]
<ul style="list-style-type: none"> • If Yes, submit the wetland rating forms and figures with the JARPA package.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know
7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]
<ul style="list-style-type: none"> • If Yes, submit the plan with the JARPA package and answer 7g. • If No, or Not applicable, explain below why a mitigation plan should not be required.
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not applicable
Not applicable
7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [help]
Not applicable

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type ⁴	Wetland mitigation area (sq. ft. or acres)

¹ If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

² Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

³ Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

⁴ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: _

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

Not applicable

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

Not applicable

Part 8—Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, “waterbodies” refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [\[help\]](#)

Not applicable

Contractor staging will occur on barges and in existing developed upland areas. Best management practices (BMPs) have been incorporated into the Project design in order to minimize environmental effects and the exposure of sensitive species to potential effects from dredging and potential sand cover placement. The following BMPs will be implemented to minimize environmental impacts during the Project:

- Work will be completed during regulatory approved work windows, anticipated to be August 16 to February 15 of each year, or an approved extension.
- Turbidity and other water quality parameters will be monitored to ensure that construction activities are in compliance with Washington State Surface Water Quality Standards (173-201A Washington Administrative Code [WAC]).
- Appropriate BMPs will be employed to minimize sediment loss and turbidity generation during dredging. BMPs may include, but are not limited to, the following:
 - Eliminating multiple bites while the bucket is on the bottom
 - No stockpiling of dredged material on the sea bed
 - No marine bed leveling
- The barge will be managed such that the dredged sediment load does not exceed the capacity of the barge. The load will be placed in the barge to maintain an even keel and avoid listing.
- No overtopping of the barge sideboards will be allowed during placement of dredged sediment, and no free water from the dredged sediment will be directly discharged back into the surface waters without passing through the filter media to prevent release of suspended sediments.
- The dredging contractor will inspect fuel hoses, oil or fuel transfer valves, and fittings on a regular basis for drips or leaks in order to prevent spills into the surface water.
- The contractor shall be responsible for the preparation of a Spill, Prevention, Control, and Countermeasures Plan to be used for the duration of the Project to safeguard against an unintentional release of fuel, lubricants, or hydraulic fluid from construction equipment.
- The contractor will develop a Temporary Erosion and Sedimentation Control (TESC) Plan. The TESC Plan will be implemented before, during, and after construction activities so that any potential erosion from stockpiling activities will be avoided or minimized to the maximum extent practicable.

The following BMPs will be implemented to minimize environmental impacts during dredged material transport and placement:

- Visual water quality monitoring and, if necessary, follow-up measurements will be conducted around the barge at the removal site.
- Haul trucks will be lined to prevent release of sediment or effluent during transport.

8b. Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes No

8c. Have you prepared a mitigation plan to compensate for the project’s adverse impacts to non-wetland waterbodies? [\[help\]](#)

- **If Yes**, submit the plan with the JARPA package and answer 8d.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

Yes No Not applicable

The proposed Project will maintain previously authorized navigation depths. Therefore, impacts to the aquatic environment are anticipated to be localized and occur during construction. See Section 8a for a list of BMPs that will be employed during construction to minimize Project effects.

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

Not applicable

8e. Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Dredge	Hylebos Waterway	In-water	Permanent	7,500 cy	43,000 square feet
Placement of clean cover	Hylebos Waterway	In-water	Permanent	1,920 cy	43,000 square feet

¹ If no official name for the waterbody exists, create a unique name (such as “Stream 1”) The name should be consistent with other documents provided.

² Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

³ Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter “permanent” if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

Sand material must comply with Sediment Management Standards Sediment Cleanup Objectives for protection of the benthic community (WAC 173-204-562(2)(d)) and will be free of detectable polycyclic aromatic hydrocarbon compounds and polychlorinated biphenyl aroclors. The contractor will be required to test material to verify compliance. Up to 1,920 cubic yards of clean sand material will be placed over the dredge areas, if required.

8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

The area will be dredged following the construction methods described in Sections 6e and 8e of this JARPA. The dredged material is comprised of silty sand material.

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [\[help\]](#)

Agency Name	Contact Name	Phone	Most Recent Date of Contact
		()	
		()	
		()	

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology’s 303(d) List? [\[help\]](#)

- **If Yes**, list the parameter(s) below.
- If you don’t know, use Washington Department of Ecology’s Water Quality Assessment tools at: <http://www.ecy.wa.gov/programs/wq/303d/>.

Yes No

Yes, see Table 2 below for listings

**Table 2
Inner Commencement Bay 303(d) Listing**

Listing ID	Parameter	Medium	Category
8669	Dieldrin	Tissue	5
8671	PCB	Tissue	5
512205	Sediment Bioassay	Sediment	4b
8665	Benzene	Water	2
8667	Tetrachloroethylene	Water	2
8668	Trichloroethylene	Water	2

Source: <http://www.ecy.wa.gov/programs/wq/303d/currentassessmt.html>

<p>9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]</p> <ul style="list-style-type: none"> Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC.
17110012005924
<p>9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]</p> <ul style="list-style-type: none"> Go to http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm to find the WRIA #.
WRIA 10 Puyallup-White
<p>9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]</p> <ul style="list-style-type: none"> Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable
<p>9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]</p> <ul style="list-style-type: none"> If you don't know, contact the local planning department. For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html.
<input type="checkbox"/> Rural <input type="checkbox"/> Urban <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Aquatic <input type="checkbox"/> Conservancy <input type="checkbox"/> Other
<p>9g. What is the Washington Department of Natural Resources Water Type? [help]</p> <ul style="list-style-type: none"> Go to http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx for the Forest Practices Water Typing System.
<input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input type="checkbox"/> Non-Fish Perennial <input type="checkbox"/> Non-Fish Seasonal
<p>9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]</p> <ul style="list-style-type: none"> If No, provide the name of the manual your project is designed to meet.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Name of manual:
<p>9i. Does the project site have known contaminated sediment? [help]</p> <ul style="list-style-type: none"> If Yes, please describe below.
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>In 1983, Hylebos Waterway was added to the Environmental Protection Agency's (EPA's) National Priorities List as part of the Commencement Bay/Nearshore Tidel flats Superfund Site (EPA 2014). Sediment removal occurred between 2002 and 2006. To date, an estimated 628,000 cy of sediment has been dredged from the mouth of the Hylebos, and approximately 400,000 cy has been dredged from the head of the Hylebos. Most dredge material was disposed of in the Blair Slip 1 nearshore confined disposal facility and the Dredge Material Management Program open-water disposal site in Commencement Bay (EPA 2004).</p> <p>The remedial actions in the vicinity of the Targa berth area and adjacent navigation channel consisted of monitored natural recovery and dredging of contaminated sediment (EPA 2014). While the Project is located within a Superfund Site, remediation efforts required by EPA in the Record of Decision have already occurred within the area. A Sediment Sampling and Analysis Plan will be prepared to test the sediments for contaminants prior to dredging activities. If contaminated sediments are found, they will be disposed of in approved upland facilities.</p>
<p>9j. If you know what the property was used for in the past, describe below. [help]</p>
The property has been used continuously for berthing and marine vessel operations.

9k. Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- If Yes, attach it to your JARPA package.

Yes No

9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

**Table 3
Species and Critical Habitat with Federal ESA Status
That May Occur in the Action Area**

Common Name (Scientific Name)	Jurisdiction	ESA Status	Critical Habitat
Chinook salmon (<i>Oncorhynchus tshawytscha</i>) Puget Sound ESU	NMFS	Threatened	Designated
Steelhead (<i>Oncorhynchus mykiss</i>) Puget Sound DPS	NMFS	Threatened	Not Designated
Bocaccio (<i>Sebastes paucispinis</i>) Puget Sound/Georgia Basin DPS	NMFS	Endangered	Designated Puget Sound (Does not include Hylebos Waterway)
Canary rockfish (<i>Sebastes pinniger</i>) Puget Sound/Georgia Basin DPS	NMFS	Threatened	Designated Puget Sound (Does not include Hylebos Waterway)
Yelloweye rockfish (<i>Sebastes ruberrimus</i>) Puget Sound/Georgia Basin DPS	NMFS	Threatened	Designated Puget Sound (Does not include Hylebos Waterway)
Southern resident killer whale (<i>Orcinus orca</i>)	NMFS	Endangered	Designated
Bull trout (<i>Salvelinus confluentus</i>) Coastal-Puget Sound DPS	USFWS	Threatened	Designated
Marbled murrelet (<i>Brachyramphus marmoratus</i>)	USFWS	Threatened	Not Designated

Notes:

DPS = Distinct Population Segment

ESA = Endangered Species Act

ESU = Evolutionarily Significant Unit

NMFS = National Marine Fisheries Service

USFWS = U.S. Fish and Wildlife Service

The U.S. Fish and Wildlife Service (USFWS) identifies the additional species of Canada lynx (*Lynx canadensis*), gray wolf (*Canis lupus*), grizzly bear (*Ursus arctos*), Roy Prairie pocket gopher (*Thomomys mazama glacialis*), northern spotted owl (*Strix occidentalis caurina*), streaked horned lark (*Eremophila alpestris strigata*), yellow-billed cuckoo (*Coccyzus americanus*), Oregon spotted frog (*Rana pretiosa*), and the butterfly Taylor's checkerspot (*Euphydryas editha taylori*) to be present in Pierce County (USFWS 2015); however, these terrestrial species are not addressed in this Biological Evaluation (BE) due to lack of suitable habitat within and adjacent to the action area. Listed plant species identified by USFWS to be present in Pierce County included the golden paintbrush (*Castilleja levisecta*), marsh sandwort (*Arenaria paludicola*), and water howellia (*Howellia aquatilis*) (USFWS 2015). These species are also not addressed in this BE due to lack of suitable habitat within and adjacent to the action area.

See the BE prepared for the Targa Sound Terminal Maintenance Dredge Project (Attachment 2) for more information regarding the potential for ESA-listed species in the Project area.

9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

There are no priority species in or adjacent to the Project area. However, there are priority aquatic habitats (estuarine zone and estuarine intertidal) designated adjacent to the proposed Project (WDFW 2015).

Part 10—SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.ecy.wa.gov/opas/>.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@ora.wa.gov.
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with City of Tacoma (lead agency). The expected decision date is July 2015.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [\[help\]](#)

This project is exempt (choose type of exemption below).

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?

Other: _____

SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [\[help\]](#)

Local Government

Local Government Shoreline permits:

- Substantial Development Conditional Use Variance
 Shoreline Exemption Type (explain): Normal maintenance and repair, because the Project proposes to dredge the berthing area back to previously approved and maintained depths.

Other City/County permits:

- Floodplain Development Permit Critical Areas Ordinance

State Government

Washington Department of Fish and Wildlife:

- Hydraulic Project Approval (HPA) Fish Habitat Enhancement Exemption – [Attach Exemption Form](#)

Effective July 10, 2012, you must submit a check for \$150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes:

- \$150 check enclosed. Check # _____

Attach check made payable to Washington Department of Fish and Wildlife.

- My project is exempt from the application fee. (Check appropriate exemption) _____

- HPA processing is conducted by applicant-funded WDFW staff.

Agreement # _____

- Mineral prospecting and mining.

- Project occurs on farm and agricultural land.

(Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use.)

- Project is a modification of an existing HPA originally applied for, prior to July 10, 2012.

HPA # _____

Washington Department of Natural Resources:

- Aquatic Use Authorization

Complete [JARPA Attachment E](#) and submit a check for \$25 payable to the Washington Department of Natural Resources.

Do not send cash.

Washington Department of Ecology:

- Section 401 Water Quality Certification

Federal Government

United States Department of the Army permits (U.S. Army Corps of Engineers):

- Section 404 (discharges into waters of the U.S.) Section 10 (work in navigable waters)

United States Coast Guard permits:

- Private Aids to Navigation (for non-bridge projects)

References:

- EPA (U.S. Environmental Protection Agency), 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation (OSRTI). EPA 540-R-04-004. October 2004.
- EPA, 2014. *Fourth Five-Year Review Report for Commencement Bay Nearshore/Tideflats Superfund Site, Pierce County*. U.S. Environmental Protection Agency, Region 10. December 2014.
- WDFW (Washington Department of Fish and Wildlife), 2015. WDFW Priority Habitats and Species Maps. Available from: <http://wdfw.wa.gov/mapping/phs/>. Accessed: March 4, 2015.
- USFWS (U.S. Fish and Wildlife Service), 2015. Western Washington endangered species status and listing information by county (revised March 15, 2012). Available from: <http://www.fws.gov/wafwo/speciesmap/PierceCounty0312.pdf>. Accessed: March 4, 2015.

any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ENV-019-09 rev. 08/2013

ATTACHMENT 1
Project Description



TARGA SOUND TERMINAL MAINTENANCE DREDGE – PROJECT DESCRIPTION

Targa Sound Terminal LLC (Targa) operates a transfer terminal at 2628 Marine View Drive along the Hylebos Waterway in Tacoma, Pierce County, Washington (Sheet 1). A portion of the existing berthing area no longer achieves previously approved depths of -30 feet mean lower low water (MLLW). Targa is proposing the Targa Sound Terminal Maintenance Dredge Project (Project) to dredge to previously maintained depths at the berth adjacent to their terminal dock in order to provide adequate depth for berthing and access to the terminal (Sheet 2).

The Project proposes maintenance dredging to a depth of -30 feet MLLW, with an additional 2 feet of overdredge allowance, plus up to 1 foot of additional overdredging to accommodate placement of anti-degradation sand cover material (to a total of -33 feet MLLW), resulting in an approximate volume of up to 7,500 cubic yards (cy) of sediment to be removed and up to 1,920 cy of sand cover placement (Sheet 3). This estimate is based on current bathymetry data. Maintenance dredge activities will occur in the berth on aquatic lands owned by Targa and on aquatic lands owned by the Port of Tacoma, including a portion within the Federal Navigation Channel.

Estimated maintenance dredge volumes for the Project are identified in Table 1.

Table 1
Estimated Initial Maximum Maintenance Dredge and Cover Volumes

Location	Maintenance Dredge Area (sf)	Maintenance Dredge Volume (-33 MLLW) (cy)	Sand Cover Placement (sf)	Sand Cover Placement (1-foot maximum thickness) (cy)
Targa Parcel	32,500	5,400	32,500	1,450
Port of Tacoma Aquatic Lands	10,500	2,100	10,500	470
Total	43,000	7,500	43,000	1,920

Notes:

cy = cubic yards

sf = square feet

MLLW = mean lower low water

Construction Duration and Sequencing

The duration and expected sequence of construction activities is described below:

- The maintenance dredging project is expected to last approximately 2 weeks
- All dredging will occur within the allowable in-water work windows for Commencement Bay, which is anticipated to be August 16 to February 15 of each year, or an approved extension

Construction Methods

General construction methods that will be applied to the Project include the following:

- The contractor will spud or anchor a barge in a manner that maintains navigation within the federal channel.
- Sediment will be mechanically dredged to the required dredge elevations, as detailed in Table 1, by a crane or excavator-operated clamshell bucket mounted on a barge.
- Gravity dewatering of the dredged sediment will occur on a flatdeck barge. The return water will be filtered to remove suspended solids and will be allowed to re-enter the Hylebos Waterway adjacent to the point of dredging. The sideboards and scuppers of the barge will be covered by a filter media, such as straw bales and/or geotextile fabric, to filter and retain suspended sediment while allowing the filtered water to drain back into the surface water at the point of dredging.
- A barge-mounted or land-based crane or long-arm excavator will be used to transfer dredged material from the haul barge into haul trucks. To contain sediment that could be spilled during this transfer process, a spill-prevention apron (e.g., spill plate) will be installed that sufficiently extends out to the haul barge so that any spilled material will fall back either into the haul barge or onto the pier, and not into the water. Any spillage on the pier will be removed as soon as practicable and will be properly disposed of.
- Direct placement of sediment into haul trucks is the preferred option. However, depending on the methods proposed by the selected contractor, a staging area designated for sediment transloading and dewatering may be established at a location proposed by the contractor. In this case, the dredged material will be offloaded over the spill prevention apron directly into the temporary staging

area. The temporary staging area will be less than 1 acre, lined with an impermeable liner, and surrounded by perimeter containment (e.g., Washington State Department of Ecology blocks). The sediment will be heaped by a front-end loader or similar type of equipment to promote drainage before the sediment is loaded into haul trucks or rail gondolas. To comply with applicable water quality criteria and discharge requirements, the excess water (i.e., effluent) that drains from the sediment or accumulates through rainfall within the temporary staging area will be collected and filtered before being returned to the receiving waters of the transload area, in accordance with permit conditions.

- From the offload area, dredged materials for upland placement will be transported to an approved upland facility.

Best Management Practices

Contractor staging will occur on barges and in existing developed upland areas. Best management practices (BMPs) have been incorporated into the Project design in order to minimize environmental effects and the exposure of sensitive species to potential effects from dredging and potential sand cover placement. The following BMPs will be implemented to minimize environmental impacts during the Project:

- Work will be completed during regulatory approved work windows, anticipated to be August 16 to February 15 of each year, or an approved extension.
- Turbidity and other water quality parameters will be monitored to ensure that construction activities are in compliance with Washington State Surface Water Quality Standards (173-201A Washington Administrative Code).
- Appropriate BMPs will be employed to minimize sediment loss and turbidity generation during dredging. BMPs may include, but are not limited to, the following:
 - Eliminating multiple bites while the bucket is on the bottom
 - No stockpiling of dredged material on the sea bed
 - No marine bed leveling
- The barge will be managed such that the dredged sediment load does not exceed the capacity of the barge. The load will be placed in the barge to maintain an even keel and avoid listing.

- No overtopping of the barge sideboards will be allowed during placement of dredged sediment, and no free water from the dredged sediment will be directly discharged back into the surface waters without passing through the filter media to prevent release of suspended sediments.
- The dredging contractor will inspect fuel hoses, oil or fuel transfer valves, and fittings on a regular basis for drips or leaks in order to prevent spills into the surface water.
- The contractor shall be responsible for the preparation of a Spill, Prevention, Control, and Countermeasures Plan to be used for the duration of the Project to safeguard against an unintentional release of fuel, lubricants, or hydraulic fluid from construction equipment.
- The contractor will develop a Temporary Erosion and Sedimentation Control (TESC) Plan. The TESC Plan will be implemented before, during, and after construction activities so that any potential erosion from stockpiling activities will be avoided or minimized to the maximum extent practicable.

The following BMPs will be implemented to minimize environmental impacts during dredged material transport and placement:

- Visual water quality monitoring and, if necessary, follow-up measurements will be conducted around the barge at the removal site.
- Haul trucks will be lined to prevent release of sediment or effluent during transport.



SOURCE: ESRI base data.
HORIZONTAL DATUM: Washington State Plane South, NAD83, U.S. Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW).



LEGEND:
 □ Tax Parcel
 - - Federal Navigation Channel

ANCHOR OEA
 720 Olive Way, Suite 1900
 Seattle, WA 98101
 206-287-9130

<p>PURPOSE: MAINTAIN AUTHORIZED DEPTH OF BERTHING AREA</p> <p>DATUM: MLLW 0.0' LAT: 47° 16' 36.56"N LONG: -122° 23' 18.92"W S-T-R: 26-21-3E</p> <p>SITE LOCATION ADDRESS: 2628 MARINE VIEW DRIVE TACOMA, WASHINGTON 98422-3504</p>	<p>NAME: TARGA SOUND TERMINAL MAINTENANCE DREDGE</p> <p>ADJACENT PROPERTY OWNERS: 1 - PORT OF TACOMA</p>	<p>PROPOSED: MAINTENANCE DREDGING</p> <p>IN: HYLEBOS WATERWAY NEAR/AT: COMMENCEMENT BAY COUNTY OF: PIERCE STATE: WASHINGTON</p> <p>DATE: MARCH 2015 SHEET: 1 OF 3</p>
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Mar 26, 2015 2:35pm chewett



SOURCE: Bathymetry from Solmar Hydro, dated November 30, 2014. Pier location digitized from aerial imagery.
HORIZONTAL DATUM: Washington State Plane South, NAD83, U.S. Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

LEGEND:

-  Existing Contours (1' and 5' Interval)
-  Existing Pier Structure
-  Project Area
-  Area Above Elevation -30' MLLW
-  Federal Navigation Channel



PURPOSE: MAINTAIN AUTHORIZED DEPTH OF BERTHING AREA
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 LATITUDE: 47° 16' 36.56" N
 LONGITUDE: -122° 23' 18.92" W
 S-T-R: 26-21-3E
 SITE LOCATION ADDRESS:
 2628 MARINE VIEW DRIVE
 TACOMA, WASHINGTON 98422-3504

NAME: TARGA SOUND TERMINAL MAINTENANCE DREDGE
 ADJACENT PROPERTY OWNERS:
 1 - PORT OF TACOMA

PROPOSED:
 MAINTENANCE DREDGING
 IN: HYLEBOS WATERWAY
 NEAR/AT: COMMENCEMENT BAY
 COUNTY OF: PIERCE
 STATE: WASHINGTON

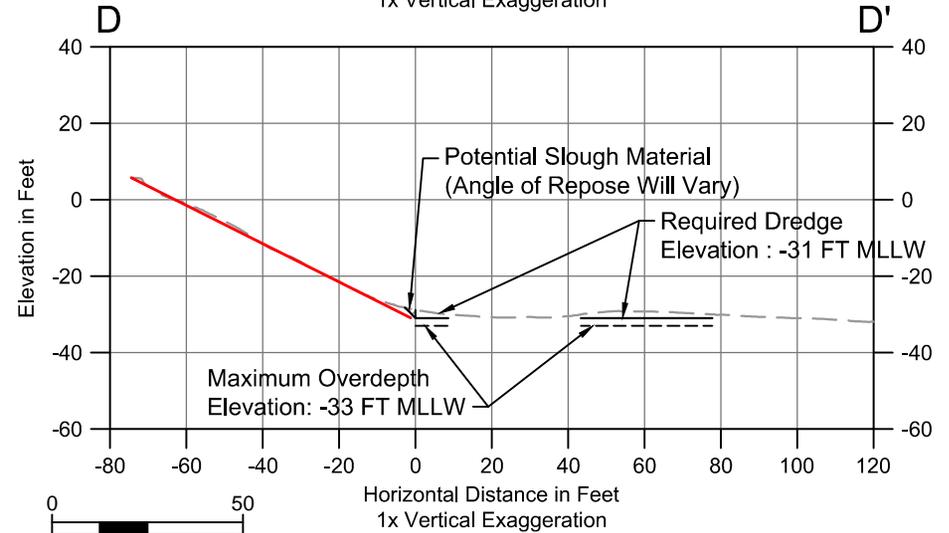
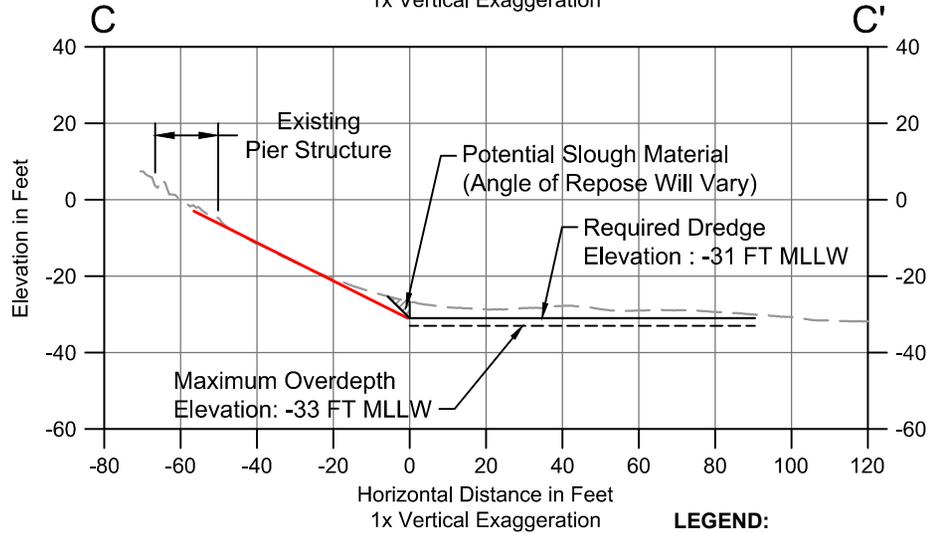
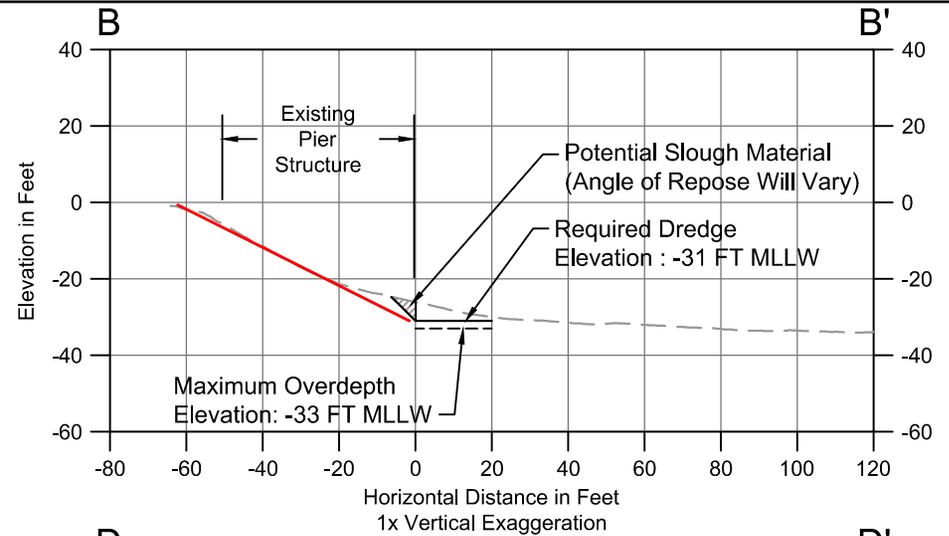
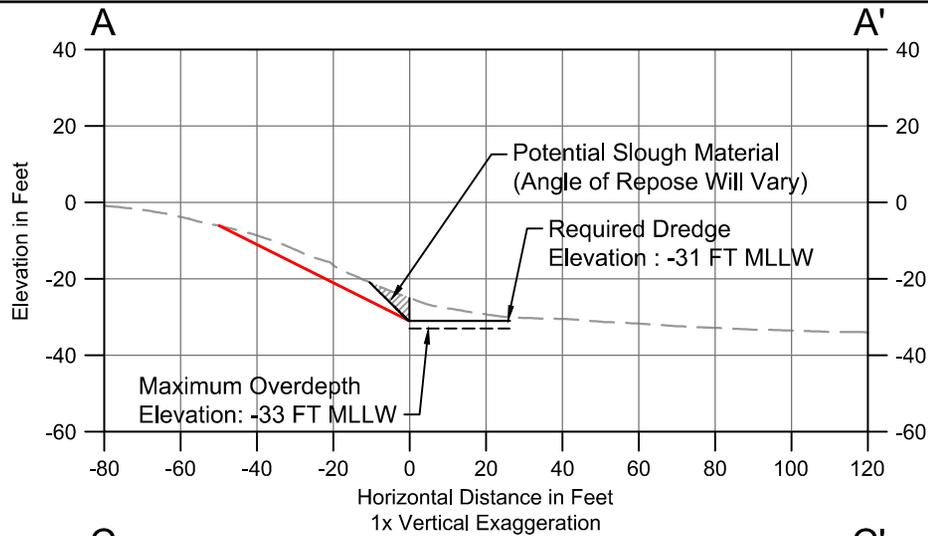


DATE: MARCH 2015

SHEET: 2 OF 3

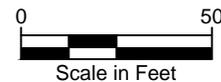
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LEGEND:

- Existing Mudline
- Proposed Dredge Prism (to Elevation -31' MLLW, Bounded by Elevation -30' MLLW)
- Assumed Existing 2H:1V Riprap Slope
- ▨ Potential Slough Material (Angle of Repose Will Vary)
- Maximum Overdepth (Elevation -33' MLLW)



SOURCE: Bathymetry from Solmar Hydro, dated November 30, 2014. Pier location digitized from aerial imagery.
HORIZONTAL DATUM: Washington State Plane South, NAD83, U.S. Feet.
VERTICAL DATUM: Mean Lower Low Water (MLLW).

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IN: HYLEBOS WATERWAY
NEAR/AT: COMMENCEMENT BAY
COUNTY OF: PIERCE
STATE: WASHINGTON



DATE: MARCH 2015

SHEET: 3 OF 3