



# WASHINGTON STATE

## Joint Aquatic Resources Permit Application (JARPA) Form<sup>1,2</sup> [\[help\]](#)

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.



US Army Corps  
of Engineers®  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_

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) [\[help\]](#)

Dunlap Towing Wood Waste Removal in Budd Inlet

### Part 2—Applicant

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

2a. Name (Last, First, Middle)

Harlan, Michael

2b. Organization (If applicable)

Dunlap Towing Company

2c. Mailing Address (Street or PO Box)

P.O. BOX 593

2d. City, State, Zip

LA CONNER, WA 98257-0593

2e. Phone (1) Office

2f. Phone (2) Cell

2g. Fax

2h. E-mail

(425) 339-1303

(360) 202-1096

(360) 466-3116

mikeh@dunlaptowing.com

<sup>1</sup>Additional 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.

<sup>2</sup>To 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](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@oria.wa.gov](mailto:help@oria.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.) [\[help\]](#)

<b>3a.</b> Name (Last, First, Middle)			
Miller, Darcey			
<b>3b.</b> Organization (If applicable)			
Perennial Consulting, LLC			
<b>3c.</b> Mailing Address (Street or PO Box)			
6523 California Avenue SW, #172			
<b>3d.</b> City, State, Zip			
Seattle, WA 98136			
<b>3e.</b> Phone (1)	<b>3f.</b> Phone (2)	<b>3g.</b> Fax	<b>3h.</b> E-mail
(206) 427-9505			dmiller@perennial-consulting.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.

<b>4a.</b> Name (Last, First, Middle)			
See Attachments A and E.			
<b>4b.</b> Organization (If applicable)			
<b>4c.</b> Mailing Address (Street or PO Box)			
<b>4d.</b> City, State, Zip			
<b>4e.</b> Phone (1)	<b>4f.</b> Phone (2)	<b>4g.</b> Fax	<b>4h.</b> E-mail

## 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.) [\[help\]](#)

- ☒ Private  
☐ Federal  
☐ Publicly owned (state, county, city, special districts like schools, ports, etc.)  
☐ Tribal  
☒ 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.) [\[help\]](#)

2003 WEST BAY DRIVE NW

**5c.** City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [\[help\]](#)

OLYMPIA, WA 98502

**5d.** County [\[help\]](#)

Thurston

**5e.** Provide the section, township, and range for the project location. [\[help\]](#)

¼ Section	Section	Township	Range
Eastern 1/2	57	18 North	2 West

**5f.** Provide the latitude and longitude of the project location. [\[help\]](#)

- Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)

47.066 N/ -122.917 W

**5g.** List the tax parcel number(s) for the project location. [\[help\]](#)

- The local county assessor's office can provide this information.

Terrestrial parcels: 09750016000 (Dunlap Towing); 09750018003 (West Bay Marina)

**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)
WEST BAY MARINA ASSOC	2100 WESTBAY DR NW	09750018003
	OLYMPIA, WA 98502	
BAUER, DEBORAH RAE	1602 ROBIN LN NW,	09750022000
	OLYMPIA, WA 98502	
STODDARD, RICHARD & ROBIN	1625 ORIOLE LN NW,	09750016012
	OLYMPIA, WA 98052	
<b>SEE ATTACHMENT C.</b>		

<b>5i.</b> List all wetlands on or adjacent to the project location. <a href="#">[help]</a>
Slope wetlands are located on the Dunlap Towing parcel, upslope and outside of the project area.
<b>5j.</b> List all waterbodies (other than wetlands) on or adjacent to the project location. <a href="#">[help]</a>
The project area is located in lower Budd Inlet of Puget Sound.
Several small drainages come down from the hillside and drain into ditch that runs along edge of paved areas. All of these waterbodies are outside of the project area.
<b>5k.</b> Is any part of the project area within a 100-year floodplain? <a href="#">[help]</a>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
<b>5l.</b> Briefly describe the vegetation and habitat conditions on the property. <a href="#">[help]</a>
<p>The site is located in the West Bay of lower Budd Inlet in the Puget Sound. The terrestrial portion of the property is a commercial log storage yard with staged logs and heavy machinery. Most of the property is cleared and paved to allow machinery to operate safely. The shoreline vegetation is comprised primarily of vines and shrubs (Himalayan blackberry), and some deciduous trees. However, much of the shoreline is within daily commercial operations area; therefore, very little vegetation exists.</p> <p>The aquatic portion of the property (DNR Lease No. 22-002542), where the dredging is to occur, is mainly an intertidal and subtidal environment with wood debris (due to log-moving operations) covering most of the bottom. No aquatic vegetation was observed within the project area during any of the site investigations. Dredging has occurred in Budd Inlet within the last three years to keep the shipping lanes and Port operational. Towards the northern portion of the Port property is a sewage treatment outfall that discharges advanced secondary treated water (including nitrogen removal and disinfection). Due to these activities, aquatic habitat in the area is considered to be low for fish and other aquatic species, with no key habitats (spawning or foraging).</p>
<b>5m.</b> Describe how the property is currently used. <a href="#">[help]</a>
<p>The project site is zoned Industrial, is currently used as a log-sorting and storage yard by Dunlap Towing. The site includes a ramp where bundles of logs are dewatered for storage in the upland areas before being loaded onto trucks and transported offsite. The majority of the workflow at the facility is the transfer of logs from floating rafts to land, where they are shipped throughout the Pacific Northwest to various mills. A small portion of the work conducted consists of transferring logs from land to the water. Timber rafts are built for this log transfer, and the wood is towed to a mill in Everett, Washington.</p> <p>There is an existing woodchip loader on the property, but this has not been used since October 2008. The infrastructure still exists, but is not in use. No chipping or movement of woodchips is currently done on the property.</p>
<b>5n.</b> Describe how the adjacent properties are currently used. <a href="#">[help]</a>
The property located directly south of the Dunlap Towing parcel is West Bay Marina, a private marina with multiple boat slips, floating docks, a parking lot, and a restaurant (Tugboat Annie's). It is zoned Urban Waterfront, and a small portion of the proposed work will occur on the north end of the marina parcel. The other adjacent properties are zoned Residential, and are generally developed as such.
<b>5o.</b> Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. <a href="#">[help]</a>



Several small storage outbuildings are in use on the property. These are used to store equipment, supplies, and resources for day-to-day operations. The largest structure on the property is a fixed crane, which facilitates the transfer of logs and wood materials to and from barges and the log yard.

At the shoreline interface, there is an old wooden bulkhead that appears to be in disrepair. There also is a ramp located near the southern portion of the property shoreline which is used to transfer logs into and out of the water for various log storage and transportation activities. Several fixed pilings and mooring structures are present within the DNR lease boundary. These are used to secure log booms and timber rafts, as well as to moor vessels such as tug boats.

A woodchip loader and associated infrastructure exists on the Dunlap property. Dunlap used to load/reload wood chips, but has not done so (or used that equipment at all) on the site since October 2008. The infrastructure includes a woodchip loader/elevator, dump ramp, and a concrete loading pad for dump trucks. The northern portion of the lot is also completely paved in asphalt and was used to store woodchips. A stormwater system and water treatment system were also installed with the woodchip loader. This includes a WSDOT Type II catchbasin, which conveys water into a baffled oil/water separator before discharging into the Puget Sound. The paved portions on the lot all slope towards this catch basin. The system will be upgraded prior to the project, if necessary.

The adjacent parcel to the south of Dunlap is a recreational marina with several floating piers, docks, boat houses, and fixed pilings to secure the floating structures. A portion of the proposed dredge area (DMMU 1) extends into the West Bay Marina property.

**5p.** Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

- From Interstate-5 South, take Exit 105 B onto Plum ST SE.
- Follow Plum St SE and take LEFT on 5<sup>TH</sup> AVE SW.
- From 5<sup>TH</sup> AVE SW, turn RIGHT at the fork onto Olympic ST W.
- Continue onto W BAY DR NW.
- Follow West BAY DR NW until the end of the street. Dunlap Property is at the end of this street, immediately north of West Bay Marina.

See *Sheet 1* (attached).

## Part 6–Project Description

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

The project site is currently used as a log sorting and storage yard by Dunlap Towing, and includes a ramp where bundles of logs are removed from the West Bay of lower Budd Inlet and dewatered for storage in the upland areas before being loaded onto trucks and transported offsite. Additionally, a small fraction of logs are brought into the facility, transferred to the water, and towed to a mill in Everett, Washington. Wood debris from log handlings (as well as a small amount of sediments) has accumulated in the area south of the loading ramp, and are impeding the vessel operations onsite and the usage of several boat slips at the adjacent West Bay Marina (see *Sheet 2*). Dredging is needed to remove the wood debris, to restore the area to native soil levels, and to restore access to several boat slips within West Bay Marina.

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

Wood debris and sediments have accumulated significantly at the project site over the past number of years, as a result of the log-sorting activities that have occurred onsite (see #5m above), with some accumulation extending into the West Bay Marina parcel located immediately south of the Dunlap property. This has not impacted operations on the Dunlap property, but has made several boat slips at the marina unusable (see *Sheet 7*). As a part of the DNR lease renewal, maintenance dredging must be performed to bring seafloor elevations back to native levels, and to restore boating access to slips along the southern boundary of the Dunlap aquatic lease parcel. The purpose of the maintenance dredging is to remove accumulated sediment and debris down to an estimated elevation of -3.0 feet in reference to mean lower low water (MLLW), or down to a level at which all wood debris has been removed. This will result in the marina boat slips being usable. Additionally, the Dunlap parcel is due for a lease renewal with the Department of Natural Resources (DNR), and maintenance dredging is a prerequisite of the renewal process.

The project is also considered to be beneficial to the aquatic habitat in the area. See also attached Biological Assessment (Perennial Consulting, 2018).

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

- |   |  |  |   |                                       |
|---|--|--|---|---------------------------------------|
| <input type="checkbox"/> Commercial             | <input type="checkbox"/> Residential               | <input type="checkbox"/> Institutional | <input type="checkbox"/> Transportation | <input type="checkbox"/> Recreational |
| <input checked="" type="checkbox"/> Maintenance | <input type="checkbox"/> Environmental Enhancement |  |   |                                       |

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

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

☐ Other:

**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.

Dredging of wood waste and sediments will be conducted from land with the use of a long-reach excavator. Wood waste will be removed from the entire Dredged Material Management Units (DMMUs) 1 and 2, down to the native soil levels (see *Sheets 2-5*). This is anticipated to be at an elevation of approximately -3.0 feet MLLW. It is possible that wood waste extends deeper than -3.0 feet MLLW in some parts of the DMMU. Therefore, dredging will continue deeper until native soils are reached, exceeding -3.0 feet MLLW if necessary. Based on the most recent bathymetric survey conducted by Gravity in 2015, dredge cut depths will range between a maximum of 14.5 feet and a minimum of 0.7 feet. The average dredge depth for both DMMUs is approximately 7.5 feet. These dredge depth estimates are considered preliminary, as it is quite possible that dredging will need to extend below -3.0 ft MLLW to fully remove all accumulated wood waste.

All dredging activities will take place in a tidally-influenced area, and construction will be planned to conduct dredge operations when the DMMUs are fully or mostly exposed during low tides. Approximately 90% of the total dredge area is above the MLLW level, and approximately 63% is above the MLW level, giving the excavator ample area to position on dry land during low tides (see *Sheet 7*). The portions of the DMMUs that are sub-tidal (below MLLW), are within the reach of the excavator arm (75-100 feet of reach).

An excavator will be used to mechanically dredge the wood waste from the DMMUs. The excavator will then transfer material from the dredge bucket to the bed of a dump truck. Depending on tidal levels and water content of dredged material, this dump truck will either transport material to an existing onsite holding facility for dewatering, or transfer material directly to an offsite disposal location (described below, in this section).

Dunlap currently has an engineered material holding and dewatering facility as part of the existing infrastructure (see *Sheets 6-7*). This was used back when Dunlap previously performed woodchip loading and reloading services on the property. While they do not conduct these services anymore, this infrastructure still exists. The holding facility is a concrete paved area, which has a water quality conveyance system which stormwater is routed through before being discharged back into the Puget Sound. The water quality conveyance system includes a permitted oil/water separator where materials such as oils, sediment, and floating debris will be removed from water before it is discharged into the Puget Sound. It is expected that portions of the DMMU which are highest in elevation and dredged during low tides will not need dewatering, as presumably, they will have limited water content. The dump truck will drive material the short distance (approximately 300 feet) to the holding area, where material will be deposited for dewatering.

The handling/dewatering facility is a concrete padded area, which grades to the storm drain. This storm drain conveys water into an oil-water separator, before discharging water back into the Puget Sound (see *Sheet 7*). This discharge is a monitored NPDES outfall. The concrete containment area will be augmented with stacked Ecology blocks (approximately 6 feet high), and with a silt fencing/sediment filtering barrier wrapped around blocks. Water run-off will be directed by the ecology blocks to the storm drain inlet. The proposed containment area constructed with Ecology blocks will be approximately 959 square yards in surface area. The area could hold a maximum volume of approximately 1,900 cubic yards in dredged material.

The dredge work will be conducted during the permitted work windows in 2019-2020 (once all permits have been obtained), during the hours of 7:00am to 10:00pm, and will last approximately 2 weeks.

As requested by Brandon Clinton of USACE, a figure showing the potential obstructions that exist in the project area (pilings, etc.) has also been provided (see *Sheet 9*).

Dunlap has proposed to use the Kennedy Creek Disposal Site as the offsite location for dredge material. The Kennedy Creek Disposal Site has reviewed the analytical data from the sediments and has approved the material for landfill disposal. This location has been approved by the State of Washington to handle the material as designated by the USACE use determination. As discussed above, the dredge material will be brought to the disposal site either immediately or after a period of dewatering, if the latter is necessary.

<b>6f.</b> What are the anticipated start and end dates for project construction? (Month/Year) <a href="#">[help]</a>		
<ul style="list-style-type: none"> <li>If the project will be constructed in phases or stages, use <a href="#">JARPA Attachment D</a> to list the start and end dates of each phase or stage.</li> </ul>		
Start Date: <u>December 2019</u>	End Date: <u>January 2020</u>	<input type="checkbox"/> See JARPA Attachment D
In-water work only: 7/15/19 - 2/15/20		
<b>6g.</b> Fair market value of the project, including materials, labor, machine rentals, etc. <a href="#">[help]</a>		
\$650,000		
<b>6h.</b> Will any portion of the project receive federal funding? <a href="#">[help]</a>		
<ul style="list-style-type: none"> <li>If <b>yes</b>, list each agency providing funds.</li> </ul>		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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.) [\[help\]](#)

<b>7a.</b> Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. <a href="#">[help]</a>	
<input checked="" type="checkbox"/> Not applicable	
<b>7b.</b> Will the project impact wetlands? <a href="#">[help]</a>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know Wetlands were not observed along the banks of Budd Inlet within the project area. Some wetland areas present on the vegetated slopes above the Dunlap Towing site (see <i>Sheet 8</i> ); however, the project activity will not come close to the wetlands or extend outside of the area that has been an industrial work area since the 1920's.	
<b>7c.</b> Will the project impact wetland buffers? <a href="#">[help]</a>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know No new impacts will occur to the buffers of the wetlands located outside of and uphill from the project area (see #7b above).	
<b>7d.</b> Has a wetland delineation report been prepared? <a href="#">[help]</a>	
<ul style="list-style-type: none"> <li>If <b>Yes</b>, submit the report, including data sheets, with the JARPA package.</li> </ul>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No The City of Olympia (Cari Hornbein) has determined that a wetland report is not required because the wetlands are over 300 feet from the project area (see <i>Sheet 8</i> ). The wetlands are at higher elevation than the proposed work and are not expected to be impacted by the work.	
<b>7e.</b> Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? <a href="#">[help]</a>	
<ul style="list-style-type: none"> <li>If <b>Yes</b>, submit the wetland rating forms and figures with the JARPA package.</li> </ul>	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't know    N/A- No wetlands are within 300 feet of the project area.	
<b>7f.</b> Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? <a href="#">[help]</a>	
<ul style="list-style-type: none"> <li>If <b>Yes</b>, submit the plan with the JARPA package and answer 7g.</li> </ul>	

• **If No, or Not applicable**, explain below why a mitigation plan should not be required.

☐ Yes   ☒ No   ☐ Don't know

N/A - No wetlands are within 300 feet of the project area. The ones that are outside of the project area are at higher elevation than the proposed work and are not expected to be impacted by the work.

**7g.** Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

N/A

**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 <sup>1</sup>	Wetland type and rating category <sup>2</sup>	Impact area (sq. ft. or Acres)	Duration of impact <sup>3</sup>	Proposed mitigation type <sup>4</sup>	Wetland mitigation area (sq. ft. or acres)
N/A						

<sup>1</sup> 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.

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

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

<sup>4</sup> 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. [\[help\]](#)

N/A

**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. [\[help\]](#)

N/A

## 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

The dredging will take place in the West Bay of lower Budd Inlet in the Puget Sound. Dredging activities will be conducted from land with a long-reach excavator. This minimizes the marine environmental impact compared to marine-based dredging operations, which require barges, support vessels, anchoring assemblies, etc.

All dredging activities will take place in a tidally-influenced area, and construction will be planned to conduct dredge operations when the DMMUs are fully exposed, or mostly exposed during low tides. Approximately 90% of the total dredge area is above the MLLW level, and approximately 63% is above the MLW level, giving the excavator ample area to position on dry land during low tides. The portions of the DMMUs that are sub-tidal (below MLLW), are within the reach of the excavator arm. This will minimize impact to marine wildlife, such as fish and mammals. Additionally, dredging exposed wood debris during low tide should minimize the turbidity in the water column, which is typically created during dredging operations. This will both help preserve water quality and mitigate impacts from all marine wildlife related to increase water turbidity.

For dredging activities that extend into the water below MLLW level, on-site water quality monitoring will be conducted to measure water column turbidity and any plumes created by dredging activities. This will be done from a vessel with a water-quality probe. Samples will be taken at hourly intervals and recorded. If water column turbidity increases beyond acceptable thresholds for WA State marine surface waters, dredging will be suspended until turbidity returns to an acceptable level relative to background conditions. Given the material in the DMMU is primarily wood debris, it is expected that any suspension of debris during dredging would have a minimal impact on turbidity levels as wood debris itself would not contribute to an increase in measurable water-column turbidity.

Finally, dredging operations will be conducted during appropriate fish windows, to avoid any adverse impact to migrating salmonids. Fish entrapment inside the dredged area is of concern in the event that a pool is created which becomes disconnected from the surface water during low tide events. The southern portion of the DMMU is below the MLLW water, and should provide sufficient connectivity between surface waters and dredge area during low tide events for fish and other aquatic species.

Three drainages were observed on the site, outside of the already-disturbed area and over 300 feet from the proposed work area (see *Figure 9*). These waterbodies will be avoided, and are therefore not expected to be impacted.

**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   ☐ Don't know

All project planning, design, and environmental anti-degradation plans have been conducted under the guidance of the *Dredged Material Evaluation and Disposal Procedures User Manual* (hereafter referred to as "DMMP User Manual") (USACE 2016). This document and its guidelines will be used when conducting dredge operations in order to minimize adverse impacts to the Puget Sound and associated wildlife. For example, a Dredging and Disposal Quality Control Plan has been prepared (see attached draft, which will be updated with more detail once the contractors provide bids). Please also refer to #8d below and to the attached Biological Assessment (Perennial Consulting, 2018) for additional information.

The three drainages observed on the site (see above) will be avoided and therefore will not be impacted.



**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. [\[help\]](#)

The DMMP User Manual (USACE 2016) is designed to avoid degradation of the environment during dredge activities. Primarily, the sediment to be removed from Budd Inlet in the Puget Sound will be inspected, and the appropriate practices given the chemical contents of the sediments will then be determined. The site has already gone through a rigorous sediment and site investigation, where multiple sediment samples were analyzed in a laboratory for contamination in the project area (*Wood Debris and Sediment Analysis* [Gravity, June 2016]). This investigation discovered a large percentage of wood waste, and the presence of Dioxin/Furan congeners and benzoic acid. The presence of these chemicals does not allow the dredge material to be disposed of in water; therefore, all material will be transported to a waste-processing facility.

Additionally, best management practices (BMPs) described in the DMMP User Manual will be followed for dredge activities. This includes selecting a project schedule that does not interfere with migrating salmonids and/or other aquatic species; work will occur as designated by the permits, within the approved work windows. Appropriate water quality mitigation measures and Best Management Practices (BMPs) will be implemented to avoid any adverse impact to water quality. The majority of the wood waste and sediment will be dredged from land during low tides, when sediment is exposed. This minimizes sediment plumes in the water column, reduces increase in water column turbidity, and mitigates any deposition downstream of the project area. The following BMPs are intended to be implemented during dredge activities:

1. **Sediments & Turbidity** – Although most of the wood waste to be dredged does not contain fine sediments, some sediment will be suspended during the project, and may cause a small local increase in water column turbidity. Water quality monitoring will be conducted during dredge activities when the excavator is in contact with water surface (and not just working on dry land). Water turbidity will be monitored for compliance with surface water criteria outlined in WAC 173-201A-210. If turbidity exceeds these criteria, dredging operations will be altered or possibly stopped until levels are within regulated values.
2. **Water Quality** - Construction-related impacts to water quality will be short-term, temporary, and localized changes associated with suspension of dredge material. No accidental losses or spills of construction materials or fuel into the vicinity are anticipated. Direct discharges of waste would not occur. Contaminants in the sampling data are generally bound in the wood waste, and therefore less likely to be dissolved into water. Therefore, project-related impacts are not anticipated to increase pollution levels or violate applicable state or federal water quality standards, nor would they reduce the ability of the Budd Inlet area to support its designated uses.
3. **Terrestrial Noise** - Temporary construction noise will occur between 7:00 a.m. and 10:00 p.m. and would be within maximum permissible daytime noise levels. In addition, the noise levels will be the same or only slightly higher than existing/ambient noise. As the noise from the dredging activities is temporary and will occur between those hours, noise is exempt and would not be considered a significant impact.
4. **Underwater Noise** – Underwater noise will be temporary, and will only occur when dredging operations have to occur in water (during higher tides and in areas below MLLW) versus on dry land. Anticipated noise levels will be the same or only slightly higher than existing/ambient noise. No precedent exists to suggest noise levels will be higher.
5. An existing stormwater and water treatment system is located on the site, which includes a WSDOT Type II catch basin. The paved portions of the lot all slope towards this catch basin, which conveys

water into a baffled oil/water separator before discharging into the Puget Sound. The system will be upgraded prior to the project, if necessary.

6. No petroleum products, fresh cement, lime, fresh concrete, chemicals, or other toxic or harmful materials shall be allowed to enter surface waters.
7. Washwater resulting from washdown of equipment or work areas shall be contained for proper disposal, and shall not be discharged unless authorized.
8. Equipment that enters surface water shall be maintained to prevent any visible sheen from petroleum products.
9. No oil, fuels, or chemicals shall be discharged to surface waters, or onto land. Fuel hoses, oil drums, oil or fuel transfer valves, fittings, etc. would be checked regularly for leaks and materials shall be maintained and stored properly to prevent spills.
10. No cleaning solvents or chemicals used for tools or equipment cleaning shall be discharged to ground or surface waters.
11. Oil-absorbent materials would be used in the event of a spill if any oil product is observed in the water.
12. Waste materials would be disposed of in a state-approved landfill or recycled.
13. Construction materials will not be stored where high tides, wave action, or upland runoff could cause materials to enter surface waters.
14. Dredge Contractor will show proof of and operate under an approved construction and quality control plan. Contractor should have appropriate safeguards in place to prevent any spills of substances into the water, and have spill kits on-hand to mitigate any spills in the unlikely event they occur.

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

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name <sup>1</sup>	Impact location <sup>2</sup>	Duration of impact <sup>3</sup>	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Dredge	Budd Inlet			4,814	30,522 sq ft

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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. [\[help\]](#)

N/A



**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. [\[help\]](#)

Material will be dredged from land using a long-reach excavator (see #6e above). Estimated volume of dredged material is approximately 4,814 cubic yards.

Dredge material will either be transported to the Kennedy Creek Disposal Site, or will be placed on shore in an onsite, permitted material handling and dewatering facility currently operated by Dunlap. Once dewatered, material will be transported to and disposed of at the Kennedy Creek Disposal Site.

## 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
DNR	Neal Cox (prev. Celeste Winthers)	(360) 490-5355	October 2018
USACE	Brandon Clinton	(206) 316-3164	April 2018
USACE	Kelsey van der Elst	(206) 764-6945	March 2018
WDFW	Theresa Nation	(360) 902-2562	March 2018
NOAA NMFS	Scott Anderson	(360) 753-9530	April 2017
USFWS	Emily Teachout	(360) 753-9440	April 2017

**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

Listing ID	Name	Parameter	Medium	Category	Waterbody ID
<a href="#">602696</a>	BUDD INLET (OUTER)	Arsenic	Sediment	1	1224819475188
<a href="#">509067</a>	BUDD INLET (OUTER)	Cadmium	Sediment	1	1224819475188
<a href="#">509068</a>	BUDD INLET (OUTER)	Chromium	Sediment	1	1224819475188
<a href="#">509069</a>	BUDD INLET (OUTER)	Copper	Sediment	1	1224819475188
<a href="#">509070</a>	BUDD INLET (OUTER)	Lead	Sediment	1	1224819475188
<a href="#">509071</a>	BUDD INLET (OUTER)	Zinc	Sediment	1	1224819475188

**9c.** What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [\[help\]](#)

- Go to <http://cfpub.epa.gov/surf/locate/index.cfm> to help identify the HUC.

17110019

**9d.** What Water Resource Inventory Area Number (WRIA #) is the project in? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/water/wria/index.html> to find the WRIA #.

WRIA 13 - Deschutes

**9e.** Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/programs/wq/swqs/criteria.html> for the standards.

☒ Yes   ☐ No   ☐ Not applicable

**9f.** If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline

<p>environment designation? <a href="#">[help]</a></p> <ul style="list-style-type: none"> <li>If you don't know, contact the local planning department.</li> <li>For more information, go to: <a href="http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html">http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html</a>.</li> </ul>
<p><input checked="" type="checkbox"/> Urban   <input type="checkbox"/> Natural   <input type="checkbox"/> Aquatic   <input type="checkbox"/> Conservancy   <input type="checkbox"/> Other: _____</p>
<p><b>9g.</b> What is the Washington Department of Natural Resources Water Type? <a href="#">[help]</a></p> <ul style="list-style-type: none"> <li>Go to <a href="http://www.dnr.wa.gov/forest-practices-water-typing">http://www.dnr.wa.gov/forest-practices-water-typing</a> for the Forest Practices Water Typing System.</li> </ul>
<p><input checked="" type="checkbox"/> Shoreline   <input type="checkbox"/> Fish   <input type="checkbox"/> Non-Fish Perennial   <input type="checkbox"/> Non-Fish Seasonal</p>
<p><b>9h.</b> Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? <a href="#">[help]</a></p> <ul style="list-style-type: none"> <li><b>If No</b>, provide the name of the manual your project is designed to meet.</li> </ul>
<p><input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No</p>
<p>Name of manual: _____</p>
<p><b>9i.</b> Does the project site have known contaminated sediment? <a href="#">[help]</a></p> <ul style="list-style-type: none"> <li><b>If Yes</b>, please describe below.</li> </ul>
<p><input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No</p>
<p>Dredge material was sampled by Gravity Consulting in 2015 and 2016 for chemical analysis. Analytical results showed elevated levels of Dioxin/Furan congeners and Benzoic Acid in wood waste and sediment. This is not surprising, considering the amount of wood debris present in sediments. The USACE designated the sediments in the DMMU 1 and DMMU 2 not suitable for offshore disposal; therefore, they will be disposed of onshore in a permitted waste processing facility (see attached Memorandum regarding antidegradation determination). See also the attached <i>Wood Debris and Sediment Analysis</i> (Gravity, June 2016) for the project area.</p>
<p><b>9j.</b> If you know what the property was used for in the past, describe below. <a href="#">[help]</a></p>
<p>Dunlap Towing is located along the west shore of lower Budd Inlet in Olympia, WA. The project site was reportedly first developed as a lumber mill in 1919, and between 1919 and 1966 operated as a sawmill, veneer plant and stud mill (Kennedy/Jenks, 2012). Also during this time, a hog fuel burner operated on the southern boundary of the site with West Bay Marina.</p>
<p><b>9k.</b> Has a cultural resource (archaeological) survey been performed on the project area? <a href="#">[help]</a></p> <ul style="list-style-type: none"> <li><b>If Yes</b>, attach it to your JARPA package.</li> </ul>
<p><input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No</p>

**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. [\[help\]](#)

Chinook Salmon (Puget Sound ESU) – Threatened  
Steelhead (Puget Sound DPS) – Threatened  
Bocaccio Rockfish (Puget Sound/Georgia Basin DPS) – Endangered  
Yelloweye Rockfish (Puget Sound/Georgia Basin DPS) – Threatened  
Killer Whale (Southern Resident DPS) – Endangered  
Bull Trout (Coastal-Puget Sound DPS) – Threatened  
Marbled Murrelet – Threatened

See attached Biological Assessment (Perennial Consulting, 2018) for more information.

**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. [\[help\]](#)

The following species (and/or their habitat) may be present in or near the site, per "PHS on the Web," Theresa Nation of WDFW (phone conversations in March, April 2018), and lists on WDFW website. The current listing as of October 2018 in Washington State is included.

Big brown bat  
Bocaccio rockfish – *State Candidate, Federally Endangered*  
Bull trout – *State Candidate, Federally Threatened*  
Canary rockfish – *State Candidate, Federal Species of Concern*  
Chinook salmon (Puget Sound) – *State Candidate, Federally Threatened*  
Little brown bat  
Marbled murrelet – *State Endangered, Federally Threatened*  
Pacific herring - *State Candidate*  
Pileated woodpecker – *State Candidate*  
Purple martin - *State Candidate*  
Sea lion (haulout; not steller sea lion)  
Southern resident killer/orca whale – *State Endangered, Federally Endangered*  
Steelhead (Puget Sound) – *Federally Threatened*  
Subtidal hardshell clam  
Surf smelt  
Yuma myotis

## 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.oria.wa.gov/opas/>.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.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](http://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 Olympia (lead agency). The expected decision date is December 2019 (more info is required; waiting on USACE info).

☐ 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): \_\_\_\_\_

##### 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](#)

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

N/A    \$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):

☐ All parts of project (except compensatory mitigation) occur landward of Ordinary High Water Line (OWHL).

☐ 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 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:**

☐ General Bridge Act Permit                      ☐ Private Aids to Navigation (for non-bridge projects)

## Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

### 11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. MMH (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. MMH (initial)

Michael M. Harlan Michael M. Harlan 6/26/2018  
Applicant Printed Name Applicant Signature Date

### 11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Darcey B. Miller Darcey B. Miller 8/14/2018  
Authorized Agent Printed Name Authorized Agent Signature Date

### 11c. Property Owner Signature (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

*Same as Applicant.*

\_\_\_\_\_  
Property Owner Printed Name Property Owner Signature Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes 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: ORIA-16-011 rev. 03/2017







**WASHINGTON STATE**  
**Joint Aquatic Resources Permit**  
**Application (JARPA)** [\[help\]](#)



US Army Corps  
of Engineers  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: \_\_\_\_\_

Location Name (if applicable): \_\_\_\_\_

\_\_\_\_\_

**Attachment A:**  
**For additional property owner(s)** [\[help\]](#)

Use this attachment only if you have more than one property owner.  
Complete one attachment for each additional property owner  
impacted by the project.

Signatures of property owners are not needed for repair or maintenance activities on existing rights-of-way or easements.

**Project Name:** Dunlap Towing Wood Waste Removal in Budd Inlet

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

**1. Name (Last, First, Middle) and Organization (if applicable)**

WEST BAY MARINA ASSOCIATION

**2. Mailing Address (Street or PO Box)**

2100 WEST BAY DR NW

**3. City, State, Zip**

OLYMPIA, WA 98052

**4. Phone (1)**

(360) 943-2022

**5. Phone (2)**

**6. Fax**

**7. E-mail**

Address or tax parcel number of property you own:

09750018003

Signature of Property Owner

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

*Neil Falkenberg*

Printed Name

*Wesley*

Signature

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: ORIA-16-012 rev. 10/2016





**WASHINGTON STATE**  
**Joint Aquatic Resources Permit**  
**Application (JARPA)** [\[help\]](#)



US Army Corps  
of Engineers®  
Seattle District

**Attachment C:**  
**Contact information for adjoining**  
**property owners.** [\[help\]](#)

Use this attachment only if you have more than four adjoining property owners.

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

AGENCY USE ONLY

Date received: \_\_\_\_\_

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: **Dunlap Towing Wood  
Waste Removal in Budd Inlet** \_\_\_\_\_

Location Name (if applicable): \_\_\_\_\_

**1. Contact information for all adjoining property owners.** [\[help\]](#)

Name	Mailing Address	Tax Parcel # (if known)
WINSOR, PATRICK F	2212 CRESTLINE BLVD NW OLYMPIA, WA 98502	09750016004
KOOIKER, JON C	2222 CRESTLINE BLVD NW, OLYMPIA, WA 98502	09750016001
PUST, DAVID R	2234 CRESTLINE BLVD NW OLYMPIA, WA 98502	09750016011
FABRY, JOSEPH F &	2302 CRESTLINE BLVD NW OLYMPIA, WA 98502	09750009002
PARRY, JOHN D	2354 CRESTLINE BLVD NW OLYMPIA, WA 98502	09750008003
BLINN, RICHARD D	2378 CRESTLINE BLVD NW OLYMPIA, WA 98502	09750007000
LINDSAY, WILLIAM G	2384 CRESTLINE BLVD NW OLYMPIA, WA 98502	09750003001
WHITCHER, JEANETTE	7512 COOPER POINT RD NW OLYMPIA, WA 98502	09750004000
SQUAXIN ISLAND TRIBE	10 SE SQUAXIN LN SHELTON, WA 98584	91015200000

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-022-09 rev. 0/2015





**WASHINGTON STATE**  
**Joint Aquatic Resources Permit**  
**Application (JARPA)** [\[help\]](#)



US Army Corps  
of Engineers  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_; ☐ Town  
☐ Application Fee Received; ☐ Fee N/A  
☐ New Application; ☐ Renewal Application  
Type/Prefix #: \_\_\_\_\_; NaturE Use Code: \_\_\_\_\_  
LM Initials & BP#: \_\_\_\_\_  
RE Assets Finance BP#: \_\_\_\_\_  
New Application Number: \_\_\_\_\_  
Trust(s): \_\_\_\_\_; County: \_\_\_\_\_  
AQR Plate #(s): \_\_\_\_\_  
Gov Lot #(s): \_\_\_\_\_  
Tax Parcel #(s): \_\_\_\_\_

**Attachment E:**  
**Aquatic Use Authorization on**  
**Department of Natural Resources**  
**(DNR)-managed aquatic lands** [\[help\]](#)

Complete this attachment and submit it with the completed JARPA form only if you are applying for an Aquatic Use Authorization with DNR. Call (360) 902-1100 or visit <http://www.dnr.wa.gov/programs-and-services/aquatics/leasing-and-land-transactions> for more information.

- DNR recommends you discuss your proposal with a DNR land manager before applying for regulatory permits. Contact your regional land manager for more information on potential permit and survey requirements. You can find your regional land manager by calling (360) 902-1100 or going to <http://www.dnr.wa.gov/programs-and-services/aquatics/aquatic-districts-and-land-managers-map>. [\[help\]](#)
- The applicant may not begin work on DNR-managed aquatic lands until DNR grants an Aquatic Use Authorization.
- Include a \$25 non-refundable application processing fee, payable to the "Washington Department of Natural Resources." (Contact your Land Manager to determine if and when you are required to pay this fee.) [\[help\]](#)

DNR may reject the application at any time prior to issuing the applicant an Aquatic Use Authorization. [\[help\]](#)

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

**1. Applicant Name** (Last, First, Middle)

Harlan, Michael

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

DUNLAP TOWING WOOD WASTE REMOVAL IN BUDD INLET

**3. Phone Number and Email**

(425) 339-1303 Office; (360) 202-1096 Cell; mikeh@dunlaptowing.com

**4. Which of the following applies to Applicant?** Check one and, if applicable, attach the written authority – bylaws, power of attorney, etc. [\[help\]](#)

☒ Corporation

☐ Limited Partnership

☐ General Partnership

☐ Limited Liability Company

Home State of Registration:

Washington

☐ Individual

☐ Marital Community (Identify spouse):

\_\_\_\_\_

☐ Government Agency

☐ Other (Please Explain):

\_\_\_\_\_

**5.** Washington UBI (Unified Business Identifier) number, if applicable: [\[help\]](#)

295-000-307

**6.** Are you aware of any existing or previously expired Aquatic Use Authorizations at the project location?

☒ Yes   ☐ No   ☐ Don't know

If Yes, Authorization number(s): 22-A02542, 22-002618

**7.** Do you intend to sublease the property to someone else?

☐ Yes   ☒ No

If Yes, contact your Land Manager to discuss subleasing.

**8.** If fill material was used previously on DNR-managed aquatic lands, describe below the type of fill material and the purpose for using it. [\[help\]](#)

N/A

**To be completed by DNR and a copy returned to the applicant.**

Signature for projects on DNR-managed aquatic lands:

Applicant must obtain the signature of DNR Aquatics District Manager OR Assistant Division Manager if the project is located on DNR-managed aquatic lands.

I, a designated representative of the Dept. of Natural Resources, am aware that the project is being proposed on Dept. of Natural Resources-managed aquatic lands and agree that the applicant or his/her representative may pursue the necessary regulatory permits. My signature does not authorize the use of DNR-managed aquatic lands for this project.

SEE EXISTING LEASE NUMBER IN #6 ABOVE.

**Printed Name**

Dept. of Natural Resources  
District Manager or Assistant Division Manager

**Signature**

Dept. of Natural Resources  
District Manager or Assistant Division Manager

**Date**

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 ORIA-16-016 rev. 10/2016

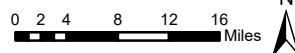




### Legend



Dredge footprint



**SHEET 1**  
**VICINITY MAP**

Dunlap Towing Wood Waste Removal  
Budd Inlet, Olympia, WA

Reference Number: (USACE to provide)

Applicant Name: Michael Harlan

Proposed Project: Dunlap Towing Wood Waste Removal

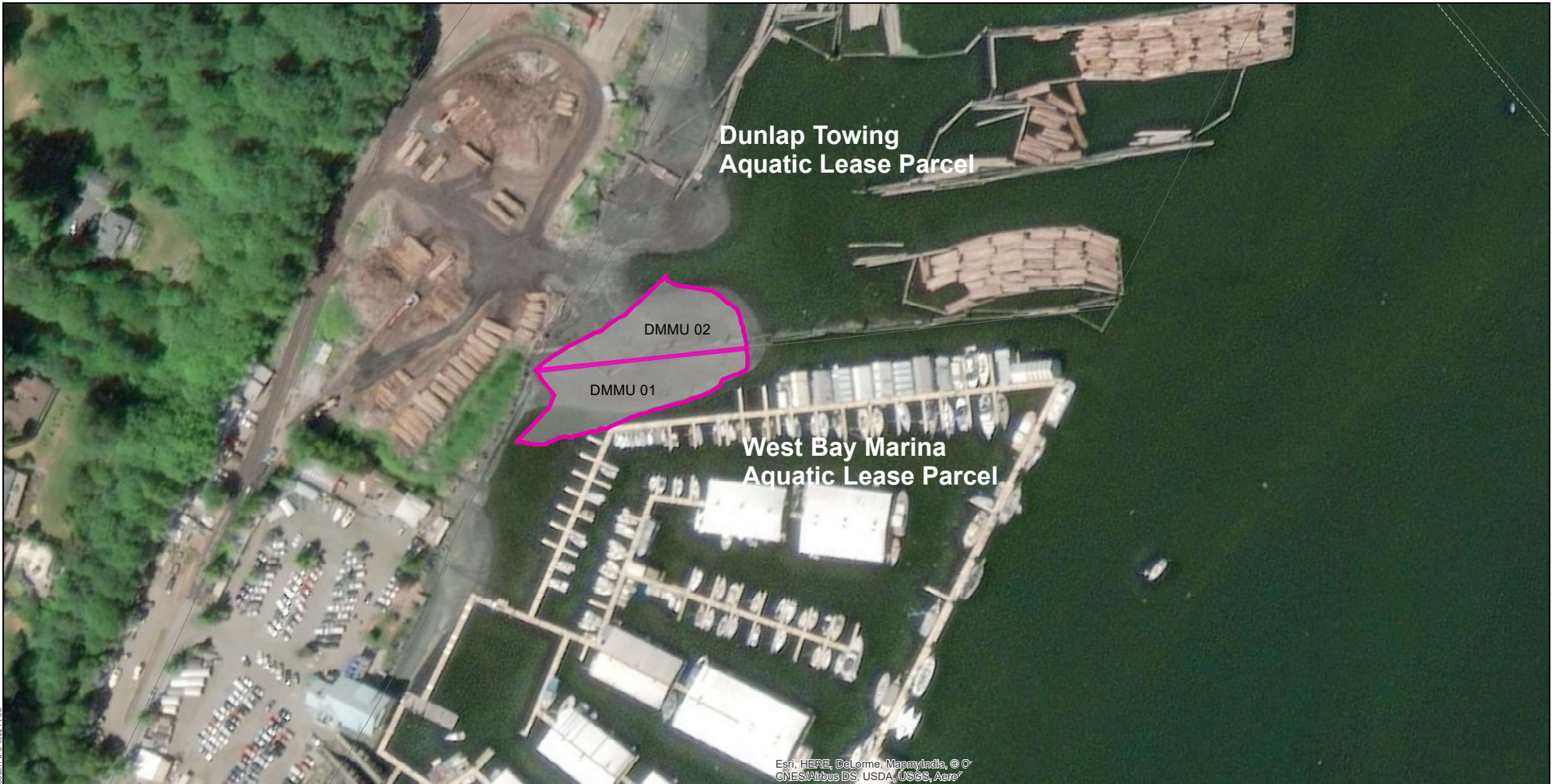
Location: S8/T18/R2W, Parcel: 09750016000

Date: October 2018







SHEET 2

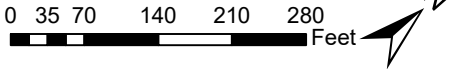


Legend

-  Dredge Area
-  DMMU Boundaries

Dredging Geometry

Footprint Area (sq ft): 30522  
Footprint Area (acre): 0.7



GRAVITY  
Consulting LLC



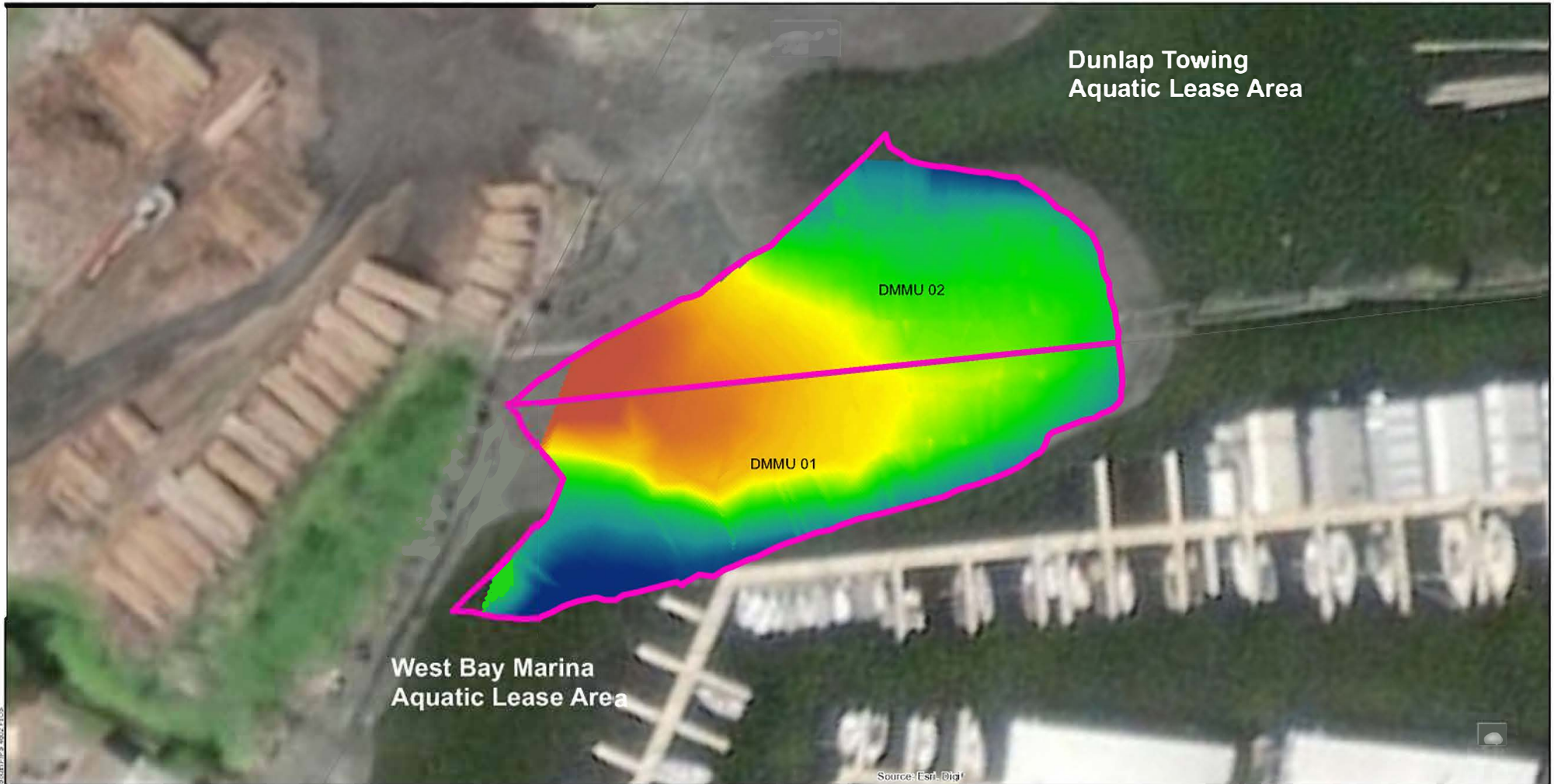
**SHEET 2**  
**DREDGE POLYGON PLAN VIEW**  
Dunlap Towing Wood Waste Removal  
Budd Inlet, Olympia, WA

Reference Number: (USACE to provide)  
Applicant Name: Michael Harlan  
Proposed Project: Dunlap Towing Wood Waste Removal  
Location: S8/T18/R2W, Parcel: 09750016000

**Date: October 2018**



## SHEET 3



## Legend

 DMMU Boundaries

**Dredge Cut Depth (ft)**

**Value**

High : 14.5

Low : 0.70

## Dredging Geometry

Footprint Area (sq ft): 30522  
Footprint Area (acre): 0.7

0 10 20 40 60 80 Feet



# **SHEET 3** **DREDGE CUT DEPTH ISOPATCH** Dunlap Towing Wood Waste Removal Budd Inlet, Olympia, WA

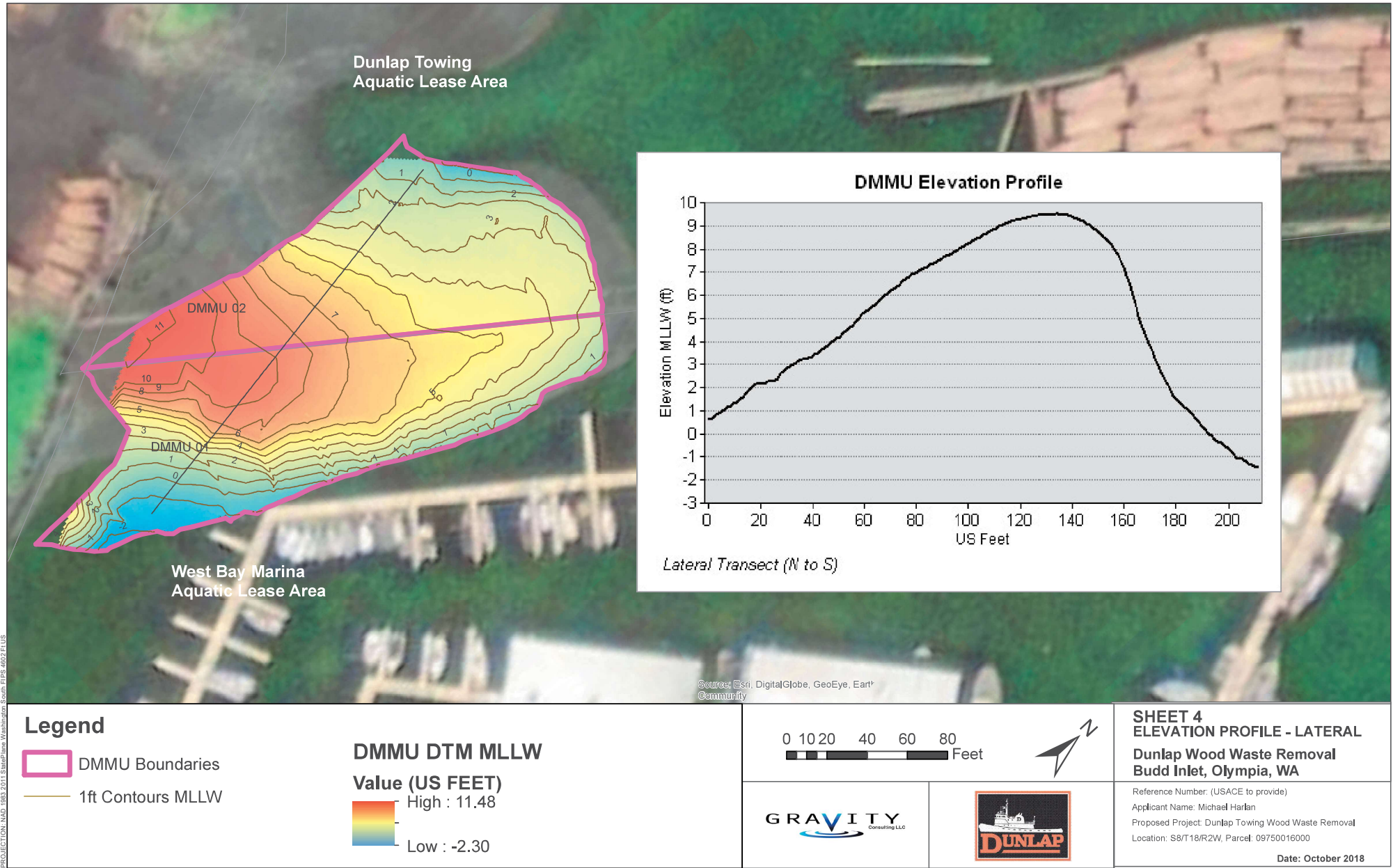
Reference Number: (USACE to provide)

Applicant Name: Michael Harlan

Proposed Project: Dunlap Towing Wood Waste Removal  
Location: S8/T18/R2W, Parcel: 09750016000

Date: November 2018

# SHEET 4



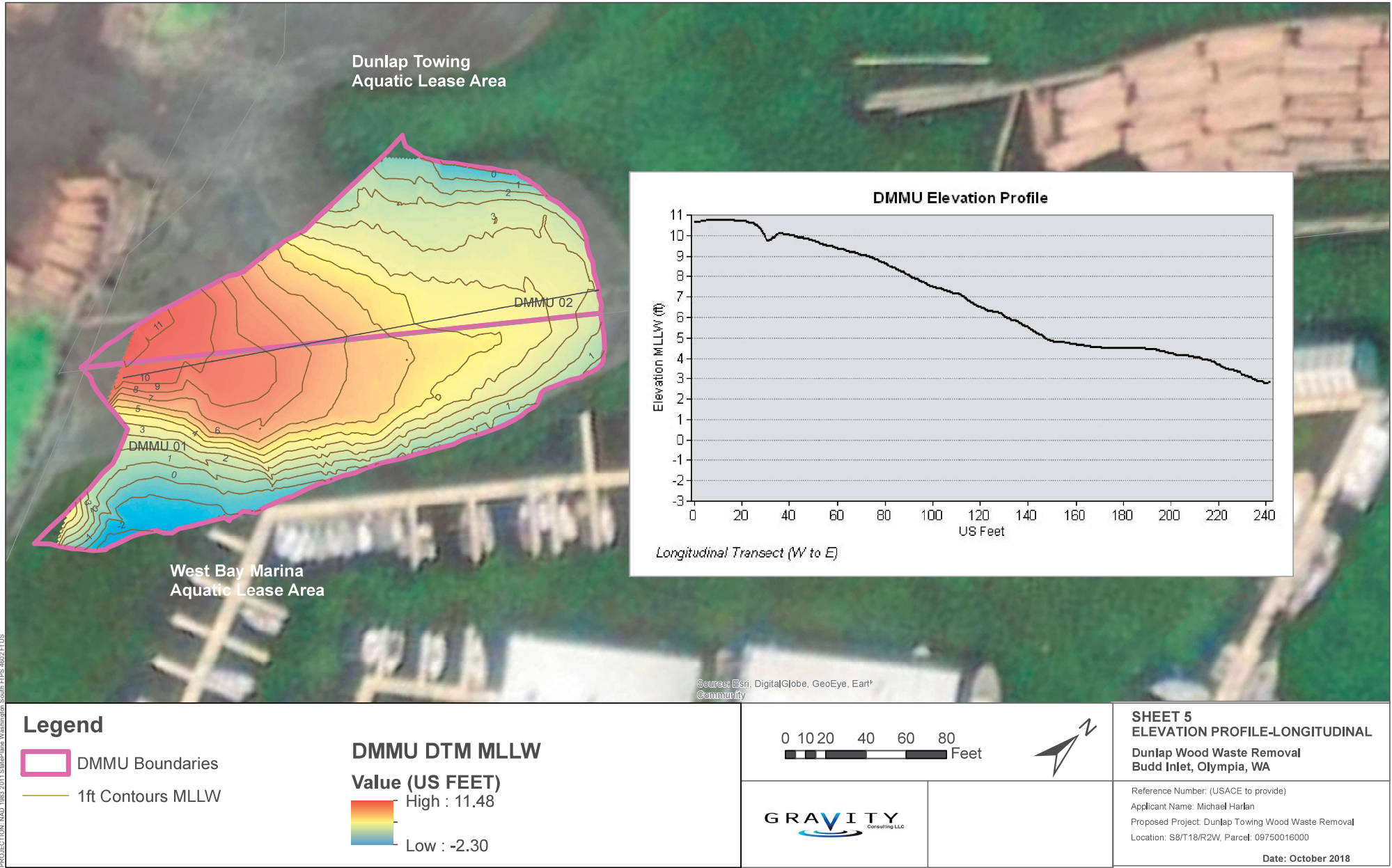
PROJECTION: NAD\_1983\_2011 StatePlane Washington South FIPS 4602 FUS

SOURCE: (C) 2010 Microsoft Corporation and its data suppliers, WBCAS

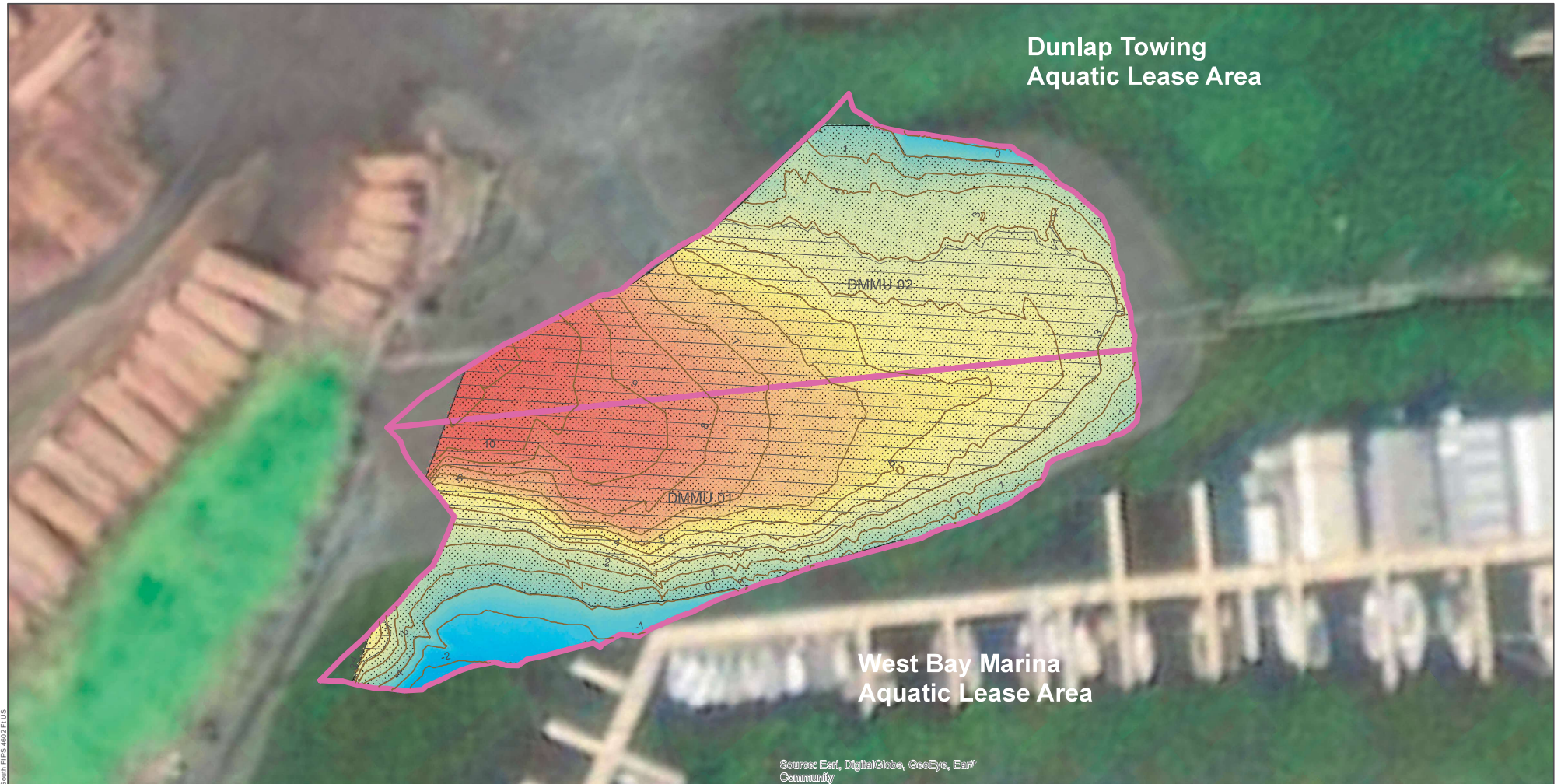
Path: F:\Dropbox\Projects\Dunlap\_West\_Bay\GIS\BA\WXD\Sheet\X\_DMMU\_ElevationProfile\_Lat\_T1x17\_rev1.mxd



SHEET 5



# SHEET 6



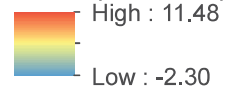
Source: Esri, DigitalGlobe, GeoEye, Earth  
Community

## Legend

-  Area Above MLW (3.08 ft MLLW)
-  Area Above MLLW (0 ft)
-  DMMU Boundaries
-  1ft Contours MLLW

## DMMU DTM MLLW

### Value (US FEET)



## DMMU Tidal Exposure

MLLW: 27621 sqft/ 90% DMMU  
MHW: 19358 sqft/ 63% DMMU  
MHV: 0 sq ft/ 0% DMMU  
MHHW: 0 sqft/ 0% DMMU



GRAVITY  
COMMUNITY LLC



## SHEET 6

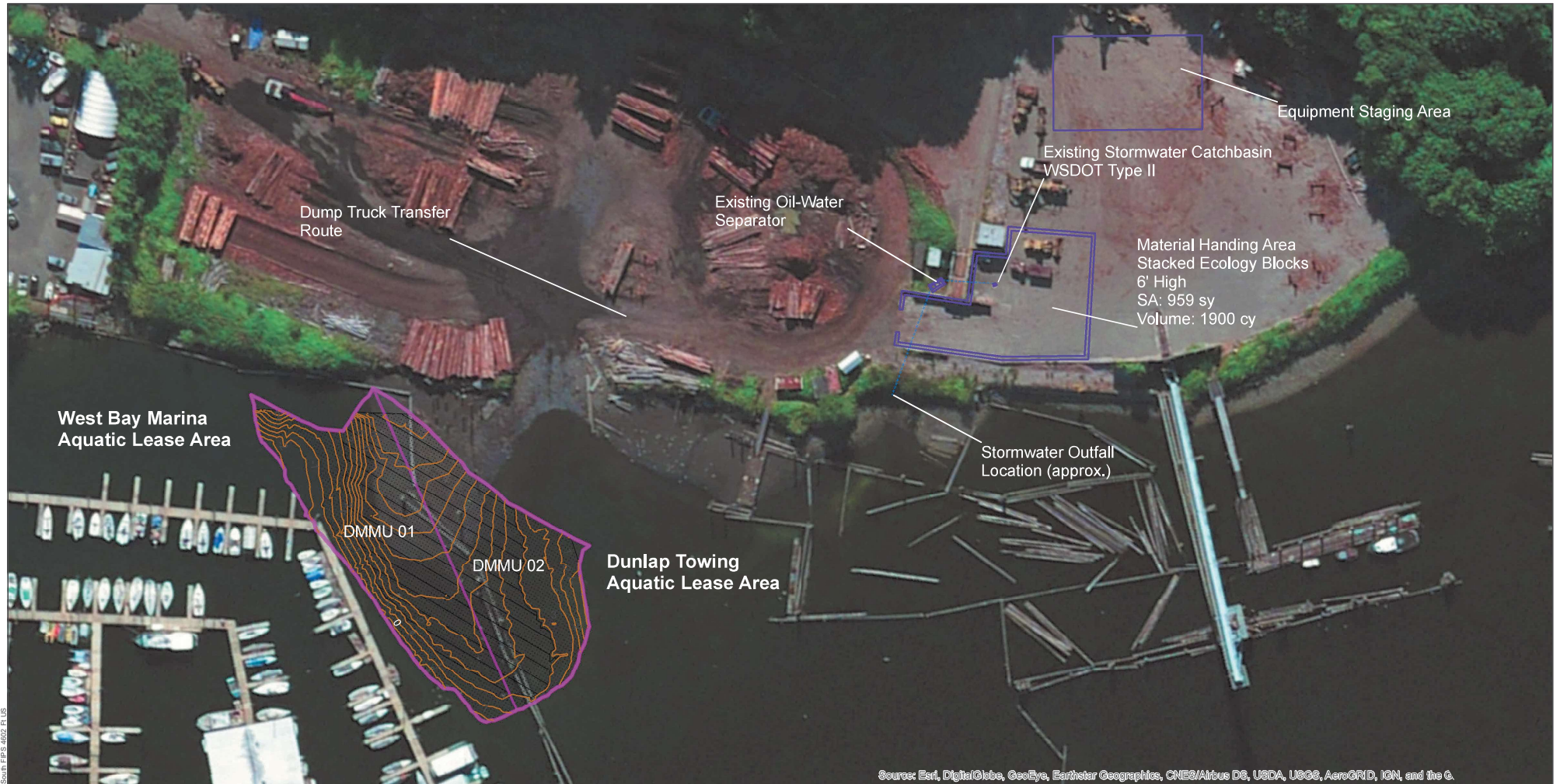
**DREDGE POLYGON TIDAL ELEVATIONS**  
Dunlap Towing Wood Waste Removal  
Budd Inlet, Olympia, WA

Reference Number: (USACE to provide)  
Applicant Name: Michael Harlan  
Proposed Project: Dunlap Towing Wood Waste Removal  
Location: S8/T18/R2W, Parcel: 09750016000

Date: October 2018








# SHEET 7



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the G.

## Legend

-  Area Above MLW (3.08 ft MLLW)
-  Area Above MLLW (0 ft)
-  Stormwater Pipe (approx)
-  DMMU Boundaries
-  1ft Contours MLLW

0 20 40 80 120 160 Feet



**GRAVITY**  
Consulting LLC



## SHEET 7

**MATERIAL HANDLING AREA**  
Dunlap Towing Wood Waste Removal  
Budd Inlet, Olympia, WA

Reference Number: (USACE to provide)  
Applicant Name: Michael Harlan  
Proposed Project: Dunlap Towing Wood Waste Removal  
Location: S8/T18/R2W, Parcel: 09750016000

Date: October 2018



641600

641400 1038400

641200

SHEET 8

641000

640800

640600

1038000

641600

1037600

1038000

640400

1037200



## Legend

 Approximate wetland boundary

 DMMU

\*NOTE: wetland boundaries displayed on this drawing are not to scale and not representative of accurate area of wetlands. Areas depicted here are from visual observations only, and no delineation was performed to define actual boundaries of wetlands. This figure should be used for internal planning purposes only, and no further analyses should be performed with the data represented here.

0 25 50 100 150 200  
Feet



GRAVITY

**DUNLAP**  
TOWING COMPANY

## SHEET 8 WETLAND/DRAINAGE OBSERVATIONS

Dunlap Towing Wood Waste Removal  
Budd Inlet, Olympia, WA

Reference Number: (USACE to provide)  
Applicant Name: Michael Harlan  
Proposed Project: Dunlap Towing Wood Waste Removal  
Location: S8/T18N/R2W, Parcel: 09750016000

Date: October 2018









# SHEET 9



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, Aero  
Community

## Legend

-  Piling
-  DMMU
-  Concrete Bulkhead
-  Log Boom
-  Piling Cluster

0 25 50 100 150 200 Feet 

**GRAVITY**  
Consulting LLC



## SHEET 9 EXISTING MARINE STRUCTURES

Dunlap Wood Waste Removal  
Budd Inlet, Olympia, WA

Reference Number: (USACE to provide)  
Applicant Name: Michael Harlan  
Proposed Project: Dunlap Towing Wood Waste Removal  
Location: S8/T18N/R2W, Parcel: 09750016000

Date: October 2018