



STATE OF WASHINGTON  
**DEPARTMENT OF ECOLOGY**

PO Box 47600, Olympia, WA 98504-7600 • 360-407-6000

January 14, 2025

OPG Port Gamble, LLC  
ATTN: Jaime Northrup  
Rayonier Inc.  
1 Rayonier Way  
Wildlight, Florida 32097

Re: Amendment to 401 Water Quality Certification Order No. **21609** for U.S. Army Corps of Engineers Reference No. **NWS-2022-0717**, Port Gamble Bay Habitat Restoration, located within Port Gamble Bay, Port Gamble, Kitsap County, Washington.

Dear Jaime Northrup:

Enclosed is an amendment to Water Quality Certification Order No. 21609, issued on 9/8/2023, for the above project. We have also included a strikeout version of the Water Quality Certification that reflects the changes made. All other conditions of Water Quality Certification No. 21609 remain in effect.

The purpose of this amendment is to allow a one-time in-water work window (Condition C2).

If you have any questions, please contact Laura Inouye at 360-515-8213. The enclosed Amendment may be appealed by following the procedures described in the Amendment.

Sincerely,

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Loree' Randall, Section Manager  
Aquatic Permitting & Protection Section  
Shorelands and Environmental Assistance Program

Enclosure (2)

By certified mail: 91 7199 9991 7036 8715 4546

Second Amendment to Order No. 21609  
Aquatics No. 141926, Corps No. NWS-2022-717  
January 14, 2025  
Page 2 of 2

Sent via e-mail: [jaime.northrup@rayonier.com](mailto:jaime.northrup@rayonier.com)

E-cc: Sarah Albright, U.S. Army Corps of Engineers  
Laura Inouye, Ecology  
Erin Hanlon Brown, Ecology  
[ecyrefedpermits@ecy.wa.gov](mailto:ecyrefedpermits@ecy.wa.gov)

**In The Matter of Granting a Water Quality  
Certification (WQC) to OPG Port Gamble, LLC (Jaime Northrup)  
pursuant to 33 U.S.C. 1341 (FWPCA § 401), RCW 90.48.120, RCW  
90.48.260 and Chapter 173-201A WAC**

OPG Port Gamble, LLC  
Attn: Jaime Northrup  
Rayonier Inc.  
1 Rayonier Way  
Wildlight, Florida 32097

<b>WQC Order No.</b>	21609, Second Amendment
<b>Corps Reference No.</b>	NWS-2022-0717
<b>Site Location</b>	Port Gamble Bay Habitat Restoration, located within Port Gamble Bay, Port Gamble, Kitsap County, Washington.

On 9/8/2023 the Washington Department of Ecology (Ecology) issued a 401 Water Quality Certification to OPG Port Gamble, LLC (Jaime Northrup) for the above-referenced project pursuant to the provisions of 33 U.S.C. 1341 (FWPCA § 401).

Ecology received a request on 12/17/2024 for a one-time extension of the in-water work window (Condition C2).

WQC Order No. 21609 dated 9/8/2023 is hereby amended as follows:

I. Condition number C.2.a. which reads:

All activities within the wetted perimeter of Port Gamble Bay may be conducted between June 1 through January 15 of any year.

Is replaced with:

All activities within the wetted perimeter of Port Gamble Bay may be conducted between June 1 through January 15 of any year, except for a one-time extension of the work window which allows work until February 15, 2025.

No other conditions or requirements of the above referenced Order are affected by this amendment.

Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if it appears necessary to further protect the public interest.

Failure to comply with this amended Order may result in the issuance of civil penalties or other actions whether administrative or judicial, to enforce the terms of this amended Order.

## Your right to appeal

You have a right to appeal this Order to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal, you must do all of the following within 30 days of the date of receipt of this Order:

- File your notice of appeal and a copy of this Order with the PCHB (see filing information below). "Filing" means actual receipt by the PCHB during regular business hours as defined in WAC 371-08-305 and -335. "Notice of appeal" is defined in WAC 371-08-340.
- Serve a copy of your notice of appeal and this Order on the Department of Ecology by mail, in person, or by email (see addresses below).

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

## Address and Location Information

### Filing with the PCHB

For the most current information regarding filing with the PCHB, visit: <https://eluh0.wa.gov/> or call: 360-664-9160.

### Service on Ecology

#### Street Addresses:

Department of Ecology  
Attn: Appeals Processing Desk  
300 Desmond Drive SE  
Lacey, WA 98503

#### Mailing Addresses:

Department of Ecology  
Attn: Appeals Processing Desk  
PO Box 47608  
Olympia, WA 98504-7608

#### E-Mail Address:

[ecologyappeals@ecy.wa.gov](mailto:ecologyappeals@ecy.wa.gov)

## Contact Information

Please direct all questions about this Order to:

Laura Inouye  
Department of Ecology  
360-515-8213  
[Laura.Inouye@ecy.wa.gov](mailto:Laura.Inouye@ecy.wa.gov)

## More Information

- **Pollution Control Hearings Board Website**  
<https://eluh.wa.gov>
- **Chapter 43.21B RCW - Environmental and Land Use Hearings Office – Pollution Control Hearings Board**  
<http://app.leg.wa.gov/RCW/default.aspx?cite=43.21B>
- **Chapter 371-08 WAC – Practice and Procedure**  
<http://app.leg.wa.gov/WAC/default.aspx?cite=371-08>
- **Chapter 34.05 RCW – Administrative Procedure Act**  
<http://app.leg.wa.gov/RCW/default.aspx?cite=34.05>

## Signature

Dated this 14th day of January, 2025 at the Department of Ecology, Lacey, Washington.



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Loree' Randall, Section Manager  
Aquatic Permitting & Protection Section  
Shorelands and Environmental Assistance Program

This document shows the activities and/or conditions that have been amended since the original Order was issued. Therefore, it is not the official certification and should be used for information purposes only.

**In The Matter of Granting a Water Quality  
Certification to OPG Port Gamble LLC**  
pursuant to 33 U.S.C. 1341 (FWPCA § 401), RCW 90.48.120,  
RCW 90.48.260 and Chapter 173-201A WAC

OPG Port Gamble, LLC  
ATTN: Jaime Northrup  
Rayonier Inc.  
1 Rayonier Way  
Wildlight, Florida 32097

<b>WQC Order No.</b>	21609, <b>First Amendment</b> , <b>Second Amendment</b>
<b>Corps Reference No.</b>	NWS-2022-0717
<b>Site Location</b>	Port Gamble Bay Habitat Restoration, located within Port Gamble Bay, Port Gamble, Kitsap County, Washington.

OPG Port Gamble, LLC submitted a request for a Section 401 Water Quality Certification (WQC) under the federal Clean Water Act to the Department of Ecology (Ecology) for the Port Gamble Bay Habitat Restoration, Kitsap County, Washington. The following processing dates are listed below:

- On August 8, 2022, OPG Port Gamble, LLC submitted a pre-filing meeting request.
- On September 16, 2022, Ecology received a request for Clean Water Section 401 Water Quality Certification.
- On January 27, 2023, the U.S. Army Corps of Engineers (Corps) sent a permit notification to Ecology that indicated that they are processing the project under Nationwide Permit (NWP) No.27 and Ecology determine an individual Section 401 is required.
- On February 1, 2023, Ecology issued a public notice for the project.

The project proposes to conduct restoration work in Port Gamble as described below:

**Southern Mill Site Shoreline Restoration:** This 9-acre project includes laying back intertidal slopes of the southern portion of the former sawmill facility shoreline to restore near-natural beach grades. Restored intertidal caps will include a lower layer of angular cobble-sized armor, a middle layer of rounded cobble/gravel beach substrate, and an upper layer of sand/gravel habitat substrate to optimize habitat functions and concurrently remain protective. Near-surface hardscape will be removed within a 150-foot shoreline buffer, followed by placement of imported topsoil and mulch and native plantings. Material for the intertidal cap and habitat layers (14,800 cy), and feeder berm (1,500 cy) will be clean and sourced from an approved off-site vendor. Materials will be placed using standard upland construction equipment.

Western Bay Nearshore Thin Layer Sand Cover: This project includes placing a sand cover layer over a minimum of 11 acres of lower intertidal to shallow subtidal zones (approximately -2 to -15 feet mean lower low water [MLLW]) within former log rafting areas in the western bay to restore benthic habitat functions and concurrently provide suitable substrate in areas where eelgrass is absent or growing at very sparse densities. As practicable, the sand cover will be placed using clean navigation channel maintenance dredge material from the nearby Driftwood Key, or other similar marine source, which is expected to contain eelgrass seed and maximize restoration potential. (Maintenance dredging activities at Driftwood Key are addressed under a separate application.)

Western Bay Nearshore Eelgrass Transplanting: Eelgrass will be transplanted into western bay areas where there is currently little or no eelgrass, including on and adjacent to the thin layer sand cover. Eelgrass transplanting will be performed following placement and consolidation of the cover, informed by monitoring and adaptive management methods patterned after those used successfully at other western Washington sites.

The project site is located within Port Gamble Bay, Kitsap County, Washington, Section 5 and 8, Township 27 N., Range 2 E., within Water Resource Inventory Area (WRIA) 15 (Kitsap).

## Authorities

In exercising authority under 33 U.S.C. §1341, RCW 90.48.120, and RCW 90.48.260, Ecology has reviewed this WQC request pursuant to the following:

1. Conformance with applicable water quality-based, technology-based, and toxic or pretreatment effluent limitations as provided under 33 U.S.C. §§1311, 1312, 1313, 1316, and 1317.
2. Conformance with the state water quality standards contained in Chapter 173-201A WAC and authorized by 33 U.S.C. §1313 and by Chapter 90.48 RCW, and with other applicable state laws; and
3. Conformance with the provision of using all known, available and reasonable methods to prevent and control pollution of state waters as required by RCW 90.48.010.
4. Conformance with Washington's prohibition on discharges that cause or tend to cause pollution of waters of the state of Washington. RCW 90.48.080.
5. The Project Proponent of the project authorized is responsible for obtaining all other permits, licenses, and certifications that may be required by federal, state, local or tribal authorities.

With this Water Quality Certification Order (WQC Order), Ecology is granting with conditions OPG Port Gamble, LLC's request for a Section 401 Water Quality Certification for the Port Gamble Bay Habitat

First Amendment 5/11/2024

Second Amendment January 14, 2025

WQC Order No. 21609, Corps No. NWS-2022-0717

Aquatics ID No. 141926

September 8, 2023

Page 3 of 21

Restoration project, located in Kitsap County. Ecology has determined that the proposed discharges will comply with all applicable state water quality and other appropriate requirements of State law, provided the project is conducted in accordance with the WQC request that Ecology received on September 16, 2022, the supporting documents referenced in Table 1 below, **and the conditions of this WQC Order.**

**Table 1** Supporting Documents

<b>Date Received</b>	<b>Document Type</b>	<b>Title and Date</b>	<b>Author</b>
9/16/2022	Joint Aquatic Resources Permit Application(JARPA) Form	JARPA 9/12/2022	Jaime Northrup, OPG Port Gamble, LLC
9/16/2022	Biological Assessment	Port Gamble Bay Habitat Restoration Project Biological Assessment, dated September 2022	Anchor QEA, LLC
10/17/2022	Cleanup Engineering Design Report, Construction Quality Assurance Plan	Port Gamble Integrated Cleanup and Habitat Restoration Design, Appendix F, Construction Quality Assurance Plan, dated October 2022	Anchor QEA, LLC
3/17/2023	Letter	Request for Extended Area of Mixing for Placement of Clean Sand Cover, dated March 17, 2023	Elizabeth Greene, Anchor QEA, LLC
3/27/2023	Water Quality Monitoring Plan	Port Gamble Bay Habitat Restoration Project Water Quality Monitoring Plan, dated March 2023	Anchor QEA, LLC



8/28/2023	State Environmental Policy Act	Determination of Nonsignificance, signed August 28, 2023	Steve Heacock, Kitsap County
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Issuance of this Section 401 Water Quality Certification for this proposal does not authorize OPG Port Gamble, LLC to exceed applicable state water quality standards (Chapter 173-201A WAC), ground water quality standards (Chapter 173-200 WAC) or sediment quality standards (Chapter 173-204 WAC) or other appropriate requirements of State law. Furthermore, nothing in this Section 401 Water Quality Certification absolves the OPG Port Gamble, LLC from liability for contamination and any subsequent cleanup of surface waters, ground waters, or sediments resulting from project construction or operations.

### Water Quality Certification Conditions

The following conditions will be incorporated into the Corps permit and strictly adhered to by the OPG Port Gamble, LLC. Specific condition justifications and citations are provided below.

#### A. General Conditions

1. In this WQC Order, the term “Project Proponent” shall mean the OPG Port Gamble, LLC and its agents, assignees, and contractors.
  - Justification - Ecology needs to identify that conditions of this WQC Order apply to anyone conducting work on behalf of the Project Proponent to ensure compliance with the water quality standards and other applicable state laws.
  - Citation - 40 CFR 121.1(j), Chapter 90.48 RCW, RCW 90.48.080, RCW 90.48.120, RCW 90.48.260, Chapter 173-200 WAC, Chapter 173-201A WAC, and WAC 173-225-010.
2. All submittals required by this WQC Order shall be sent to Ecology’s Headquarters Office, Attn: Federal Permit Manager, via e-mail to [fednotification@ecy.wa.gov](mailto:fednotification@ecy.wa.gov) and cc to [Laura.Inouye@ecy.wa.gov](mailto:Laura.Inouye@ecy.wa.gov). The submittals shall be identified with WQC Order No. 21609 and include the Project Proponent’s name, Corps permit number, project name, project contact, and the contact phone number.
  - Justification - Ecology needs to identify where information and submittals are to be submitted to be in compliance with the requirements of this WQC Order.
  - Citation - Chapter 90.48 RCW, RCW 90.48.120, RCW 90.48.260, Chapter 173-201A WAC, and WAC 173-225-010.

3. Work authorized by this WQC Order is limited to the work described in the WQC request package received by Ecology on September 16, 2022 and the supporting documentation identified in Table 1.
  - Justification - Ecology has the authority to prevent and control pollution of state waters. By authorizing a discharge into a water of the state, through a WQC, Ecology is certifying the project as proposed will not negatively impact water quality. Therefore, it is imperative the project is conducted as it was presented during the review process. Any deviations from information within the WQC Request package and this WQC Order must be disclosed prior to the initiation of the planned work, and may require a new WQC request.
  - Citation - 40 CFR 121.5, 40 CFR 121.10, 40 CFR 121.11, Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.120, RCW 90.48.260, Chapter 173-200 WAC, Chapter 173-201A WAC, Chapter 173-204 WAC, and WAC 173-225-010.
4. The Project Proponent shall keep copies of this WQC Order on the job site and readily available for reference by Ecology personnel, the construction superintendent, construction managers and lead workers, and state and local government inspectors.
  - Justification - All parties (including on-site contractors) must be aware of and comply with the WQC Order for the protection of water quality.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, Chapter 173-201A WAC, and WAC 173-225-010.
5. The Project Proponent shall provide access to the project site and all mitigation sites upon request by Ecology personnel for site inspections, monitoring, and/or necessary data collection, to ensure that conditions of this WQC Order are being met.
  - Justification - Ecology must be able to investigate and inspect construction sites and facilities for compliance with all state rules and laws.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.090, RCW 90.48.120, Chapter 173-201A WAC, and WAC 173-225-010.
6. The Project Proponent shall ensure that all project engineers, contractors, and other workers at the project site with authority to direct work have read and understand relevant conditions of this WQC Order and all permits, approvals, and documents referenced in this WQC Order. The Project Proponent shall provide Ecology a signed statement (see Attachment A for an example) before construction begins.

- Justification - Ecology needs to ensure that anyone conducting work at the project, on behalf of the Project Proponent, are aware of and understand the required conditions of this WQC Order to ensure compliance with the water quality standards and other applicable state laws.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, Chapter 173-201A WAC, and WAC 173-225-010.
7. This WQC Order does not authorize direct, indirect, permanent, or temporary impacts to waters of the state or related aquatic resources, except as specifically provided for in conditions of this WQC Order.
- Justification - Ecology has the authority to prevent and control pollution of state waters, and to protect designated uses. By authorizing a discharge into a water of the state, through a water quality certification, Ecology is certifying the project as proposed will not negatively impact state water quality and will comply with the state's water quality requirements. Therefore, it is imperative the project is conducted as it was presented during the review process, and as conditioned herein.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.120, Chapter 173-200 WAC, Chapter 173-201A WAC, WAC 173-201A-300(2)(e)(i), WAC 173-201A-310, WAC 173-204-120, and WAC 173-225-010.
8. Failure of any person or entity to comply with the WQC Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the state's water quality standards and the conditions of this WQC Order.
- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses. Ecology has independent state authority to ensure protection of state water quality. Civil penalties and other enforcement actions are the primary means of securing compliance with water quality requirements.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.037, RCW 90.48.080, RCW 90.48.120, RCW 90.48.140, RCW 90.48.142, RCW 90.48.144, and WAC 173-225-010.
9. The Project Proponent shall provide Ecology documentation for review before undertaking any major changes to the proposed project that could significantly and adversely affect water quality, other than those project changes required by this WQC Order.

- Justification - Ecology has independent authority to enforce our 401 certification conditions issued through this WQC Order pursuant to RCW 90.48, and has independent state authority to ensure protection of state water quality. In order to ensure the project will comply with water quality standards in the event of any major changes, Ecology must be able to review the scope of work involved in the construction and operation of the project, otherwise all work must stop and a new 401 certification pre-filing meeting, followed by a new WQC request (after requisite 30-days) is required.
  - Citation - 40 CFR 121.1(k) and (n), 40 CFR 121.3, 40 CFR 121.5, 40 CFR 121.11, Chapter 90.48 RCW, and Chapter 173-201 WAC.
10. The Project Proponent shall send (per A.2.) a copy of the final Federal permit to Ecology's Federal Permit Manager within two weeks of receiving it.
- Justification - This condition is needed to ensure that all the conditions of the WQC Order have been incorporated into the federal permit.
  - Citation - 40 CFR 121.10, 40 CFR 121.11, and Chapter 90.48 RCW.
11. This WQC Order will transfer to a new owner or operator if:
- a. A Request for Transfer of Order form is completed between the Project Proponent and new owner or operator with the specific transfer date of the WQC Order's obligations, coverage, and liability and submitted to Ecology per condition A.2. Link to form: <https://apps.ecology.wa.gov/publications/SummaryPages/ECY070695.html>;
  - b. A copy of this WQC Order is provided to the new owner or operator; and
  - c. Ecology does not notify the new Project Proponent that a new WQC Order is required to complete the transfer.
    - Justification – Ecology has independent state authority to ensure protection of state water quality. Ecology needs to ensure that anyone conducting work at the project, including any new owners or operators, are aware of and understand the required conditions of this WQC Order to ensure compliance with the water quality standards and other applicable state laws.
    - Citation – 40 CFR 121.5, Chapter 90.48 RCW, RCW 90.48.030, Chapter 173-201A WAC, and WAC 173-225-010.

## B. Notification Requirements

1. The following notifications shall be made via phone or e-mail (e-mail is preferred) to Ecology's Federal Permit Manager via e-mail to [fednotification@ecy.wa.gov](mailto:fednotification@ecy.wa.gov) and cc to [Laura.Inouye@ecy.wa.gov](mailto:Laura.Inouye@ecy.wa.gov). Notifications shall be identified with WQC Order No. 21609, Corps Reference No. NWS-2022-0717, and include the Project Proponent name, project name, project location, project contact and the phone number.
  - a. Immediately following a violation of state water quality standards or when the project is out of compliance with any conditions of this WQC Order;
  - b. At least ten (10) days prior to all pre-construction meetings;
  - c. At least ten (10) days prior to conducting initial in-water work activities; and
  - d. Within seven (7) days of completion of each in-water work activities.
    - Justification - Ecology has independent state authority to ensure protection of state water quality. Ecology must be aware of when a project starts and ends and whether there are any issues. This allows Ecology to evaluate compliance with the state water quality requirements.
    - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.120, Chapter 173-201A WAC, WAC 173-201A-300 - 330, Chapter 173-204 WAC, and WAC 173-225-010.
2. In addition to the phone or e-mail notification required under B.1.a. above, the Project Proponent shall submit a detailed written report to Ecology within five (5) days that describes the nature of the event, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of any samples taken, and any other pertinent information.
  - Justification - Ecology has independent state authority to ensure protection of state water quality. This condition is intended to assure the Project Proponent remains in full compliance with state water quality requirements for the duration of the project.
  - Citation - Chapter 90.48 RCW, RCW 90.48.120, Chapter 173-201A WAC, and WAC 173-225-010.
3. If the project construction is not completed within 13 months of issuance of this WQC Order, the Project Proponent shall submit per Condition A2 a written construction status report and submit status reports every 12 months until construction and mitigation are completed.

First Amendment 5/11/2024

Second Amendment January 14, 2025

WQC Order No. 21609, Corps No. NWS-2022-0717

Aquatics ID No. 141926

September 8, 2023

Page 9 of 21

- Justification - Ecology has independent state authority to ensure protection of state water quality. Ecology must be aware of when a project starts and ends and whether there are any issues. This allows Ecology to evaluate compliance with the state water quality requirements.
- Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.120, Chapter 173-201A WAC, WAC 173-201A-300 - 330, Chapter 173-204 WAC, and WAC 173-225-010.

### C. Timing

1. This WQC Order is effective upon issuance of the U.S. Corps of Engineers (Corps) permit for this project and will remain valid until the Project Proponent meets all its requirements and conditions, including the 10-year eelgrass monitoring required in the Biological Assessment dated September 2022.
  - Justification – Certifications are required for any license or permit that authorizes an activity that may result in a discharge or fill material into waters. This WQC Order is not valid until the Federal agency issues a permit. Additionally, Ecology needs to be able to specify how long the WQC Order will be in effect.
  - Citation – Chapter 90.48 RCW, Chapter 173-201A WAC, and WAC 173-225-010.
2. The following in-water work windows apply to the project:
  - a. All activities within the wetted perimeter of Port Gamble Bay may be conducted between ~~June 1~~~~July 15~~ through January 15 of any year, **except for a one-time extension of the work window which allows work until Feb 15, 2025.**
    - Justification - This condition is reaffirming the project will take place during a time period that will not harm fish or other aquatic species.
    - Citation - Chapter 77.55 RCW, Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300, WAC 173-201A-330, WAC 173-225-010, and Chapter 220-660 WAC.
3. The Project Proponent shall send Ecology a copy of the Hydraulic Project Approval (HPA) from the Department of Fish and Wildlife within two week of issuance. Any project change that requires a new or revised HPA from the Department of Fish and Wildlife should be sent to Ecology for review before the change is implemented.

- Justification - This condition is reaffirming the project will take place during a time period that will not harm fish or other aquatic species.
- Citation - Chapter 77.55 RCW, Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300, WAC 173-201A-330, WAC 173-225-010, and Chapter 220-660 WAC.

#### **D. Water Quality Monitoring and Criteria**

1. This WQC Order does not authorize the Project Proponent to exceed applicable water quality standards beyond the limits established in Chapter 173-201A WAC, except as authorized by this WQC Order.
  - Justification - This condition ensures compliance with water quality standards to protect surface waters of the state. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
2. For in-water activities within marine waters turbidity shall not exceed 5 NTU over background when the background is 50 NTU or less; or a 10 percent increase in turbidity when the background turbidity is more than 50 NTU.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and prevent exceedances of the water quality standards that protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
3. This WQC Order does not authorize the Project Proponent to exceed applicable turbidity standards beyond the limits established in Chapter 173-201A WAC as set forth below, unless otherwise authorized in this WQC Order:
  - a. Temporary area of mixing for turbidity established within the state water quality standards for marine waters (WAC 173-201A-210) is as follows:



01. For estuaries or marine waters, the point of compliance for a temporary area of mixing shall be at a radius of one hundred fifty feet from the activity causing the turbidity exceedance.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and prevent exceedances of the water quality standards that protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
4. For the activities identified below in Table 2, the Project Proponent is granted a larger area of mixing for turbidity and shall comply with the point of compliance.

Table 2: Area of Mixing

<b>Activity</b>	<b>Waterbody</b>	<b>Point of Compliance</b>
Clean sand placement	Port Gamble	300 ft

- Justification - This condition is necessary to ensure that the monitoring as proposed by the Project Proponent and authorized by Ecology is conducted to protect water quality. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
5. The Project Proponent shall conduct water quality monitoring as described in the approved Water Quality Monitoring Plan identified in Table 1 (hereafter referred to as the WQMP).
    - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and prevent exceedances of the water quality standards that protect aquatic life and beneficial uses.
    - Citation - RCW 90.48, RCW 90.48.030, Chapter 173-201A WAC, 173-201A-300-330 WAC.
  6. If water quality exceedances for turbidity are observed outside the point of compliance, work shall cease immediately and the Project Proponent or the contractor shall assess the cause of the water quality problem and take immediate action to stop, contain, and correct the problem and prevent further water quality turbidity exceedances.



- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and prevent exceedances of the water quality standards that protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
7. Visible turbidity anywhere beyond the temporary area of mixing (point of compliance) from the activity, shall be considered an exceedance of the standard.
- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and prevent exceedances of the water quality standards that protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
8. Monitoring results shall be submitted monthly to Ecology's Federal Permit Manager, per condition A.2.
- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and prevent exceedances of the water quality standards that protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
9. Ecology may ask or could use its discretionary authority to require the Project Proponent to provide mitigation and/or additional monitoring if the monitoring results indicate that the water quality standards have not been met.
- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and ensure that aquatic life and beneficial uses are protected.
  - Citation - RCW 90.48, RCW 90.48.010, RCW 90.48.030, RCW 90.48.080, RCW 90.48.120, Chapter 173-201A WAC, 173-201A-300-330 WAC, and Chapter 173-204 WAC.

## **E. Construction**

### **General Conditions**

1. All work in and near waters of the state shall be conducted to minimize turbidity, erosion, and other water quality impacts. Construction stormwater, sediment, and erosion control Best Management Practices (BMPs) suitable to prevent exceedances of state water quality standards shall be in place before starting maintenance and shall be maintained throughout the duration of the activity.
  - Justification - Disturbed areas without appropriate BMPs and construction methods can discharge excess sediment to waters of the state and degrade water quality. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.
2. No stockpiling or staging of materials shall occur at or below the OHWM of any waterbody.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
3. The Project Proponent shall comply with the conditions of the Construction Stormwater General Permit (National Pollutant Discharge Elimination System - NPDES) issued for this project.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation – 40 [CFR 122] {delete CFR if NPDES is not EPA}, Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, RCW 90.48.260, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
4. No petroleum products, fresh concrete, lime or concrete, chemicals, or other toxic or deleterious materials shall be allowed to enter waters of the state.

- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
5. All construction debris, excess sediment, and other solid waste material shall be properly managed and disposed of in an upland disposal site approved by the appropriate regulatory authority.
- Justification - Ecology must be assured that the Project Proponent is managing and disposing of material to protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
6. All equipment being used below the ordinary high water mark shall utilize biodegradable hydraulic fluid.
- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
7. Applicant shall ensure that fill (soil, gravel, or other material) placed for the proposed project does not contain toxic materials in toxic amounts.
- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300-330, WAC 173-204-120, and WAC 173-225-010.
8. Work within waters of the state shall be conducted in the dry or during periods of low flow to the extent practicable.

- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
- Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300-330, WAC 173-204-120, and WAC 173-225-010.

### Equipment and Maintenance

9. Staging areas will be located a minimum of 50 feet and, where practical, 200 feet, from waters of the state, including wetlands, unless otherwise requested by the project proponent and authorized by Ecology.
  - Justification - Requiring a minimum setback ensures that material will not end up in waters of the state. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
10. Equipment used for this project shall be free of external petroleum-based products while used around the waters of the state, including wetlands. Accumulation of soils or debris shall be removed from the drive mechanisms (wheels, tires, tracks, etc.) and the undercarriage of equipment prior to its use around waters of the state, including wetlands.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
11. No equipment shall enter, operate, be stored or parked within any sensitive area except as specifically provided for in this WQC Order.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.

12. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked regularly for drips or leaks, and shall be maintained and stored properly to prevent spills into state waters.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, Chapter 173-200, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
13. Wash water containing oils, grease, or other hazardous materials resulting from washing of equipment or working areas shall not be discharged into state waters. The Project Proponent shall set up a designated area for washing down equipment.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
14. Barges shall not be allowed to ground-out during in-water construction.
  - Justification - This condition is necessary to protect shallow water habitat and prevent suspension of sediment. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, Chapter 173-201A WAC, 173-201A-300 - 330 WAC, and Chapter 173-204 WAC.
15. Barges shall be kept free of material that could be blown into water.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
16. No return water is allowed to discharge from the barge(s) into waters of the state.

- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
17. The Project Proponent shall follow the approved Construction work plan identified in Table 1.
- Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
18. A pre-construction meeting is required to be convened prior to the start of construction.
- Justification - Ecology needs to meet with the Project Proponent and contractor to go over the work plan prior start of work to ensure that the plan reflects the project that has been authorized by this WQC Order. This condition is intended to assure the Project Proponent remains in full compliance with state water quality requirements for the duration of the project.
  - Citation - Chapter 70A-200 RCW, Chapter 77.55 RCW, RCW 79.02.300, Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, RCW 90.52-040, RCW 90.54.020(2)(b), Chapter 173-201A WAC, WAC 173-201A-240(5)(b), WAC 173-201A-300, WAC 173-201A-330, WAC 173-204-400(2), WAC 173-225-010, and Chapter 220-660 WAC.

## Dredging

19. All dredging is to be done using a mechanical (clamshell) dredge. Ecology must approve any other dredging method prior to its use.
- Justification - Ecology has reviewed the project and the BMPs for a specific type of dredging. Changes to the dredging method would require different BMPs. If new dredging methods are proposed, a new WQC pre-filing meeting request, followed by a new WQC request (after requisite 30-days) is required.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.52-040 RCW, Chapter 90.54.020(2)(b) RCW, Chapter 173-201A WAC, Chapter 173-201A-240(5)(b) WAC, and Chapter 173-204-400(2) WAC, and WAC 173-225-010.

20. Dredging operations shall be conducted in a manner that minimizes the disturbance and siltation of adjacent waters and prevents the accidental discharge of petroleum products, chemicals or other toxic or deleterious substances into state waters.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
21. Dredged material shall not be temporarily or permanently stockpiled below the OHWM.
  - Justification - Stockpiles below the OHWM can discharge excess sediment to waters of the state and degrade water quality. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, and WAC 173-225-010.
22. Soil/sediment contamination is known to be present within the project site. Contaminated soil/sediment shall be managed as outlined in the approved Cleanup Engineering Design Report, Construction Quality Assurance Plan identified in Table 1.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation – Chapter 70.105D RCW, Chapter 90.48 RCW, RCW 90.48.030, Chapter 173-200 WAC, Chapter 173-201A WAC, WAC 173-201A-300 - 330, Chapter 173-204 WAC, and WAC 173-225-010.
23. If further contamination is discovered on site, it must be reported to Ecology (per Condition A.2.). Protective measures shall be implemented to isolate and remove the contaminated media and avoid escaping dust, soil erosion, and water pollution during construction activities.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.

- Citation - Chapter 70.105D RCW, RCW 90.48, 90.48, RCW 90.48.030, Chapter 173-200 WAC, Chapter 173-201A WAC, WAC 173-201A-300-330, Chapter 173-204 WAC, and WAC 173-225-010.

## F. Emergency/Contingency Measures

1. The Project Proponent shall develop and implement a spill prevention and containment plan for all aspects of this project.
  - Justification - Ecology must ensure that the Project Proponent has a plan to prevent pollution from entering waterways. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, Chapter 90.56.280 RCW, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, WAC 173-225-010, and WAC 173-303-145.
2. The Project Proponent shall have adequate and appropriate spill response and cleanup materials available on site to respond to any release of petroleum products or any other material into waters of the state.
  - Justification - Ecology must have assurance that the Project Proponent has the material readily available in WQC Order to address any spills that might occur to protect waters of the state. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, RCW 90.56.280, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, WAC 173-225-010, and WAC 173-303-145.
3. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked regularly for drips or leaks, and shall be maintained and stored properly to prevent spills into state waters.
  - Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.



First Amendment 5/11/2024

Second Amendment January 14, 2025

WQC Order No. 21609, Corps No. NWS-2022-0717

Aquatics ID No. 141926

September 8, 2023

Page 20 of 21

- Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, RCW 90.56.280, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, WAC 173-225-010, and WAC 173-303-145.

4. Work causing distressed or dying fish and discharges of oil, fuel, or chemicals into state waters or onto land with a potential for entry into state waters is prohibited. If such work, conditions, or discharges occur, the Project Proponent shall notify Ecology's Federal Permit Manager, per condition A2, and immediately take the following actions:
  - a. Cease operations at the location of the non-compliance.
  - b. Assess the cause of the water quality problem and take appropriate measures to correct the problem and prevent further environmental damage.
  - c. In the event of a discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, containment and cleanup efforts shall begin immediately and be completed as soon as possible, taking precedence over normal work. Cleanup shall include proper disposal of any spilled material and used cleanup materials.
  - d. Immediately notify Ecology's Regional Spill Response Office and the Washington State Department of Fish and Wildlife with the nature and details of the problem, any actions taken to correct the problem, and any proposed changes in operation to prevent further problems.
  - e. Immediately notify the National Response Center at 1-800-424-8802, for actual spills to water only.
    - Justification - This condition is necessary to prevent oil and hazardous materials spills from causing environmental damage and to ensure compliance with water quality requirements. The sooner a spill is reported, the quicker it can be addressed, resulting in less harm. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
    - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, RCW 90.56.280, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, WAC 173-225-010, and WAC 173-303-145.

First Amendment 5/11/2024

Second Amendment January 14, 2025

WQC Order No. 21609, Corps No. NWS-2022-0717

Aquatics ID No. 141926

September 8, 2023

Page 21 of 21

5. Notify Ecology's Regional Spill Response Office immediately if chemical containers (e.g. drums) are discovered on-site or any conditions present indicating disposal or burial of chemicals on-site that may impact surface water or ground water.
  - Justification - Oil and hazardous materials spills cause environmental damage. The sooner a spill is reported, the quicker it can be addressed, resulting in less harm. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.
  - Citation - Chapter 90.48 RCW, RCW 90.48.030, RCW 90.48.080, Chapter 90.56 RCW, RCW 90.56.280, Chapter 173-201A WAC, WAC 173-201A-300 - 330, WAC 173-204-120, WAC 173-225-010, and WAC 173-303-145.

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