

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

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

November 17, 2022

Port of Vancouver Attn: Matt Harding 3103 NW Lower River Rd Vancouver, WA 98660-1903

Re: Amendment to 401 Water Quality Certification Order No. 17584 for U.S. Army Corps of Engineers Reference No. NWP-2007-916-2, Port of Vancouver USA Berth and Flushing Channel, Maintenance Dredging, Columbia River, located in Clark County, Washington.

Dear Matt Harding:

Enclosed is the second amendment to Water Quality Certification Order No. 17584, issued on April 3, 2018, and amended on April 4, 2019, 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. 17584 remain in effect.

The purpose of this amendment is to add Berth 17 and to reconfigure berth footprints to address the realignment of the Federal Navigational Channel.

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,

Brenden McFarland, Section Manager Environmental Review and Transportation Section Shorelands and Environmental Assistance Program

Port of Vancouver USA Berth and Flushing Channel Maintenance Dredging – 2nd Amendment Order No. 17584, Corps. No. 200700916-2 November 17, 2022 Page 2 of 2

e-cc: Brad Johnson, U.S. Army Corps of Engineers Laura Inouye – HQ Loree' Randall – HQ Pete Adolphson – TCP (HQ) Garin Schrieve – TCP (Industrial Section) Kevin Heffern – TCP (SWRO) Elena Ramirez Groszowski – Roch Mere Laura Shira – Yakama Nation ecyrefedpermits@ecy.wa.gov

IN THE MATTER OF GRANTING A WATER
QUALITY CERTIFICATION TO
Port of Vancouver
In accordance with 33U.S.C. 1341
(FWPCA §401), RCW 90.48.120, RCW
90.48.260 and Chapter 173-201A WAC

ORDER No. 17584, Second Amendment Corps Reference No. NWP-2007-916-2

Port of Vancouver Attn: Matt Harding 3103 NW Lower River Rd Vancouver, WA 98660-1903

On April 3, 2018 the Washington Department of Ecology (Ecology) issued a 401 Water Quality Certification to the Port of Vancouver for the above-referenced project pursuant to the provisions of 33 U.S.C. 1341 (FWPCA § 401).

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On June 8, 2020, Ecology received a request to add Berth 17 to the certification, and to realign the dredge footprints based on alterations in the Federal Navigational Channel.

Order No. 18574 dated April 3, 2018 is hereby amended as follows:

I. The project description, which reads:

The proposed project entails maintenance and deepening (to -43 + 2 ft CRD) dredging for the Port, including Grain Elevator, and Berths 1, 2, 3, 4, 5, 7, 8/9, 10, and 13/14. The project also includes deepening at Berths 8/9 (to -45 +2 CRD), and maintenance dredging to -8 + 2 ft CRD in the flushing channel located between Vancouver Lake and the Columbia River. Until deepening to -45 ft CRD is completed, Berth 8/9 maintenance dredging is limited to a maximal depth of -41 ft CRD, due to the presence of contaminants (TBT) in deeper sediments. After the initial deepening, Berths 8/9 will be maintained at -43+ 2, consistent with all other berths. Details of the dredging footprints and depths are provided in Attachment B, which includes side slopes for Berths 1, 5, 9, and 10 and an increased footprints on the downstream end of Berth 9. This order also will cover sediment sampling conducted to support the project dredging.

Disposal will include both upland (Gateway 3 site) and in-water placement. Maximum annual dredging for the entire project is 50,000 CY and a total volume for the entire project over the 10-year permitted period of no more than 150,000 CY.

Is replaced with:

The proposed project entails maintenance and deepening (to -43 + 2 ft CRD) dredging for the Port, including Grain Elevator, and Berths 1, 2, 3, 4, 5, 7, 8/9, 10, and 13/14. The project also includes deepening at Berths 8/9 (to -45 + 2 CRD), and maintenance dredging to -8 + 2 ft

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CRD in the flushing channel located between Vancouver Lake and the Columbia River. Until deepening to -45 ft CRD is completed, Berth 8/9 maintenance dredging is limited to a maximal depth of -41 ft CRD, due to the presence of contaminants (TBT) in deeper sediments. After the initial deepening, Berths 8/9 will be maintained at -43+ 2, consistent with all other berths. Details of the dredging footprints and depths are provided in Attachment B (revised), which includes side slopes for Berths 1, 5, 9, and 10 and an increased footprints on the downstream end of Berth 9, with minor adjustments of dredge areas based on Corps Navigational Channel realignment, and the addition of Berth 17. This order also will cover sediment sampling conducted to support the project dredging.

Berth 17 is authorized to -43 +/- 2 feet CRD, with upland disposal of unsuitable dredged material.

Disposal will include both upland (Gateway 3 site or other appropriate upland disposal site) and in-water placement. Maximum annual dredging for the entire project is 50,000 CY and a total volume for the entire project over the 10-year permitted period of no more than 150,000 CY.

II. Condition number A.3 which reads:

Work authorized by this Order is limited to the work described in the JARPA received by Ecology on July 17, 2017.

Is replaced with:

Work authorized by this Order is limited to the work described in the JARPA received by Ecology on July 17, 2017 and updated work provided in Attachment B (revised).

III. Berth 17 is added to Table 1:

Berth	Depth (at	Authorized	WQ	Early warning	Point of Compliance
	time of	depth (feet	parameter	(distance from	(distance from
	permit	CRD)	and criteria	activity and water	activity and water
	application)			depth, in feet)	depth, in feet)
	(feet CRD)				
Grain	-43	-43 +2	5 NTU over		
Elevator			background		
Berth 1	-40	-43 +2	or 10% over	150 (top, middle	300 (top, middle
Berth 2	-43	-43 +2	background	and bottom)	and bottom)
Berth 3	-43	-43 +2	when		
Berth 4	-43	-43 +2	background		
Berth 5	-41	-43 +2	NTU > 50		

Table 1. Berth information including water quality monitoring parameters and locations.

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Berth 7	-43	-43 +2
Berth	-40	-41+1
8/9		maintenanc
		е
		-43 +2 after
		deepening
Berth 10	-40	-43 +2
Berth	-38	-43 +2
13/14		
Berth 17	-38 to -41	-43 + 2

IV. Condition number E.2 which reads:

All dredged material will be placed either upland at the Gateway 3 site, or in-water within the Columbia River at a location approved by the Army Corps of Engineers. **Use of any other type of disposal method or location requires pre-approval by Ecology.**

Is replaced with:

All unsuitable material must go to a permitted landfill or other appropriate upland disposal location. All other dredged material will be placed either upland at the Gateway 3 site, or inwater within the Columbia River at a location approved by the Army Corps of Engineers. Use of any other type of disposal method or location requires pre-approval by Ecology.

V. Condition number E.5.e which reads:

Transload plans for materials being taken to the Gateway 3 site, including a description of the BMPs to be used to filter dewatering material on the barges

Is replaced with:

Transload plans for materials being taken to the Gateway 3 site or other appropriate upland disposal sites, including a description of the BMPs to be used to filter dewatering material on the barges

VI. Condition number E.9 which reads:

Dredged material shall be placed onto a barge and transported by tugboat to the open water disposal site. The barges shall have sidewalls to contain the material, and the barges shall not be overfilled to prevent barge overflow. If flat top barges are used, additional BMPs shall be implemented to allow filtering so as to prevent exceedence of water quality standards. Second Amendment Order No. 17584, Corps. No. 200700916 November 17, 2022 Page 4 of 6

Is replaced with:

Suitable dredged material shall be placed onto a barge and transported by tugboat to the open water disposal site. The barges shall have sidewalls to contain the material, and the barges shall not be overfilled to prevent barge overflow. If flat top barges are used, additional BMPs shall be implemented to allow filtering so as to prevent exceedence of water quality standards.

VII. Condition number E13 which reads:

Dredging shall be confined to areas and depths depicted in Attachment B

Is replaced with:

Dredging shall be confined to areas and depths depicted in Attachment B (revised).

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 RCW 43.21B and WAC 371-08. "Date of receipt" is defined in RCW 43.21B.001(2). More Information is available at https://eluho.wa.gov/content/11.

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

- File your notice appeal and a copy of this Order with the PCHB (see filing options below). "Filing" means actual receipt by the PCHB during regular business hours as defined in WAC 371-08-305 and -355. "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 in paper form, by mail or in person. (See addresses below.) E-mail is not accepted.

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

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Filing an appeal with the PCHB:

For the most current information regarding filing with the PCHB, visit: https//eluho.wa.gov/content/11

Filing by mail Mailing Address: Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903

Filing electronically Email Address: Pchb-shbappeals@eluho.wa.gov Filing in person (or by certified mail/courier) Street Address:

Pollution Control Hearings Board 1111 Israel RD SW, Suite 301 Tumwater, WA 98501

Serving a copy of the appeal on Ecology:

Electronic copies of appeals are not accepted at the Department of Ecology per WAC 371-08-305(10).

Filing by mail

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

Filing in person (or by certified mail/courier) Street Address:

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

Contact Information

Please direct all questions about this Order to:

Laura Inouye Department of Ecology Headquarters PO Box 47600 Olympia WA 98504-7600

(360) 515-8213 Laura.Inouye@ecy.wa.gov Second Amendment Order No. 17584, Corps. No. 200700916 November 17, 2022 Page 6 of 6

More Information

- **Pollution Control Hearings Board Website** http://www.eluho.wa.gov/content/11
- 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

November 17, 2022

DATE

Brenden McFarland, Section Manager Environmental Review and Transportation Section Shorelands and Environmental Assistance Program

IN THE MATTER OF GRANTING A WATER QUALITY CERTIFICATION TO Port of Vancouver in accordance with 33 U.S.C. 1341

(FWPCA § 401), RCW 90.48.120, RCW 90.48.260 and Chapter 173-201A WAC

Port of Vancouver Attn: Matt Harding 3103 NW Lower River Rd Vancouver, WA 98660-1903 ORDER No. 17584 – April 3, 2018 1st Amendment – April 4, 2019 2nd Amendment – November 17, 2022 Corps Reference No. NWP-2007-916-2 Port of Vancouver USA Berth and Flushing Channel, Maintenance Dredging, Columbia River, located in Clark County, Washington.

On July 17, 2017, Ecology received a Joint Aquatic Resources Permit Application (JARPA) from the Port of Vancouver requesting a Section 401 Water Quality Certification (WQC). The U.S. Army Corps of Engineers (Corps) issued a joint public notice for the project on November 1, 2017.

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The proposed project entails maintenance and deepening (to -43 + 2 ft CRD) dredging for the Port, including Grain Elevator, and Berths 1, 2, 3, 4, 5, 7, 8/9, 10, and 13/14. The project also includes deepening at Berths 8/9 (to -45 +2 CRD), and maintenance dredging to -8 + 2 ft CRD in the flushing channel located between Vancouver Lake and the Columbia River. Until deepening to -45 ft CRD is completed, Berth 8/9 maintenance dredging is limited to a maximal depth of -41 ft CRD, due to the presence of contaminants (TBT) in deeper sediments. After the initial deepening, Berths 8/9 will be maintained at -43+ 2, consistent with all other berths. Details of the dredging footprints and depths are provided in Attachment B (revised), which includes side slopes for Berths 1, 5, 9, and 10 and an increased footprints on the downstream end of Berth 9, with minor adjustments of dredge areas based on Corps Navigational Channel realignment, and the addition of Berth 17. This order also will cover sediment sampling conducted to support the project dredging.

Berth 17 is authorized to -43 +/- 2 feet CRD, with upland disposal of unsuitable dredged material.

Disposal will include both upland (Gateway 3 site or other appropriate upland disposal site) and in-water placement. Maximum annual dredging for the entire project is 50,000 CY and a total volume for the entire project over the 10-year permitted period of no more than 150,000 CY.

AUTHORITIES

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

Copy showing changes based on first amendment in red and second amendment in blue Order No.17584, Corps No. NWP-2007-916-2 April 3, 2018 Original Issued; 1st Amendment issued April 4, 2019; 2nd Amendment issued November 17, 2022 Page 2 of 9

- 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 (FWPCA §§ 301, 302, 303, 306 and 307);
- 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.

WATER QUALITY CERTIFICATION CONDITIONS

Through issuance of this Order, Ecology certifies that it has reasonable assurance that the activity as proposed and conditioned will be conducted in a manner that will comply with applicable water quality standards and other appropriate requirements of state law. In view of the foregoing and in accordance with 33 U.S.C. §1341, RCW 90.48.120, RCW 90.48.260 Chapter 173-200 WAC and Chapter 173-201A WAC, water quality certification is granted to the Applicant subject to the conditions within this Order.

Certification of this proposal does not authorize the Port of Vancouver 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). Furthermore, nothing in this certification absolves the Applicant from liability for contamination and any subsequent cleanup of surface waters, ground waters or sediments resulting from project construction or operations.

A. General Conditions

- 1. In this Order, the term "Applicant" shall mean the Port of Vancouver and its agents, assignees, and contractors.
- 2. All submittals required by this Order shall be sent to HQ Office, Attn: Federal Permit Manager, PO Box 47600, Olympia WA 98504-7600 or via e-mail to fednotification@ecy.wa.gov and cc to lino461@ecy.wa.gov. The submittals shall be identified with Order No.17584 and include the Applicant name, project name, project contact, and the contact's phone number.
- 3. Work authorized by this Order is limited to the work described in the JARPA received by Ecology on July 17, 2017 and updated work provided in Attachment B (revised).
- 4. The Applicant shall obtain Ecology review and approval before undertaking any changes to the proposed project that might significantly and adversely affect water quality, other than those project changes required by this Order.

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- 5. Within 30 days of receipt of any updated information, Ecology will determine if the revised project requires a new water quality certification and public notice or if a modification to this Order is required.
- 6. This Order shall be rescinded if the Corps does not issue a 404 and or section 10 permit.
- 7. The Applicant shall send (per A.2.) a copy of the final 404 and or section 10 permit to Ecology's Federal Permit Manager within two weeks of receiving it.
- 8. The Applicant shall keep copies of this 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.
- 9. The Applicant shall provide access to the project site and all mitigation sites upon request by Ecology personnel for site inspections, monitoring, necessary data collection, and/or to ensure that conditions of this Order are being met.
- 10. Nothing in this Order waives Ecology's authority to issue additional orders if Ecology determines that further actions are necessary to implement the water quality laws of the state. Further, Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if additional impacts due to project construction or operation are identified (*e.g.*, violations of water quality standards, downstream erosion, etc.), or if additional conditions are necessary to further protect water quality.
- 11. In the event of changes or amendments to the state water quality, ground water quality, or sediment standards, or changes in or amendments to the state Water Pollution Control Act (RCW 90.48), or the federal Clean Water Act, Ecology may issue an amendment to this Order to incorporate any such changes or amendments applicable to this project.
- 12. The Applicant 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 Order and all permits, approvals, and documents referenced in this Order. The Applicant shall provide Ecology a signed statement (see Attachment A for an example) from each signatory that s/he has read and understands the conditions of this Order and the above-referenced permits, plans, documents and approvals. These statements shall be provided to Ecology before construction begins.
- 13. This 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 Order.

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- 14. Failure of any person or entity to comply with the Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.
- 15. This Order will automatically transfer to a new owner or operator if:
 - a. A written agreement between the Applicant and new owner or operator with the specific transfer date of the Order's obligations, coverage, and liability is submitted to Ecology per condition A.2;
 - b. A copy of this Order is provided to the new owner or operator; and
 - c. If Ecology does not notify the new Applicant that this Order must be modified to complete the transfer.

B. Water Quality Conditions

- 1. For dredging and return water, this Order does not authorize temporary exceedances of water quality standards beyond the limits established in WAC 173-200A.
 - The area of mixing established for fresh waters is a 300 feet downstream of the in-water activity. Turbidity occurring outside that zone that is more than 5 nephelometric turbidity units (NTU) over background when the background is 50 NTU or less, or a 10% increase in turbidity when the background turbidity is more than 50 NTU is a violation of the turbidity water quality standard.
 - Visible turbidity anywhere at the 300 ft point of compliance from the activity and/or the disposal location shall be considered to be an exceedance of the standard.

C. Water Quality Monitoring

- 1. The Applicant shall submit a Water Quality Monitoring and Protection Plan (WQMPP) to the Federal Permit Manager for review and approval at least 20 days prior to beginning work for each dredge season. Work is not authorized to begin until approval is received. See Table 1 for a listing of the sample locations and parameters that must be monitored. At a minimum, the WQMPP shall include:
 - a. The names(s) and phone numbers (s) of the Pollution control inspector and the person responsible for on-site monitoring and report;
 - **b**. The BMPs and procedures to be used to protect water quality during specific proposed below the ordinary high water mark, in-water and over-water activities;
 - c. A water sampling plan for turbidity (for all in-water work) and dissolved oxygen (for dredging in the Flushing Channel) which include sample locations and frequency;
 - d. Sampling locations for turbidity shall include, but are not limited to; background, half the distance to the point of compliance and at the point of compliance, unless otherwise approved by Ecology;

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- e. Sampling depths for turbidity, which shall include samples will be taken at or near the surface, midway, and bottom of the water column;
- f. Frequency;
- g. A map with numbered or named sampling locations associated with the inwater work activities;
- h. Sample method;
- i. Steps to be taken if monitoring results indicate elevated turbidity at the early warning location, and steps to be taken if elevations occur;
- j. Steps to be taken if monitoring results indicate an exceedance has occurred. The amount of the exceedance and the reason for the exceedance shall also be reported;
- k. For deepening dredging at berths 8/9, contingency water quality monitoring for dredging of contaminated sediments, which include collection of water samples for TBT chemical analysis if turbidity exceedances are confirmed.

Berth	Depth (at time of permit application) (feet CRD)	Authorized depth (feet CRD)	WQ parameter and criteria	Early warning (distance from activity and water depth, in feet)	Point of Compliance (distance from activity and water depth, in feet)
Grain Elevator Berth 1 Berth 2 Berth 3 Berth 4 Berth 5 Berth 7 Berth 7 Berth 8/9 Berth 10 Berth 10 Berth 17	-43 -43 -43 -43 -43 -43 -41 -43 -40 -40 -38 -38 to -41	$\begin{array}{r} -43 +2 \\ \hline -43 +2 \\ -43 +2 \\ \hline -41 +1 \\ maintenance \\ -43 +2 \\ \hline \end{array}$	5 NTU over background or 10% over background when background NTU > 50	150 (top, middle and bottom)	300 (top, middle and bottom)
Flushing Channel	variable	-8+2	5 NTU over background/ 8 mg/L DO	150 (top and bottom)	300 (top and bottom)

Table 1. Berth information including water quality monitoring parameters and locations.

2. If changes to the WQMP are proposed at any time during the duration of this Order, the Applicant shall submit a revised plan to Ecology for review and approval. The

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Applicant shall allow at least a 14 day review time for Ecology. Following Ecology's approval, the Applicant shall comply with the approved, updated WQMP.

- 3. Ecology must approve, in writing, any changes or additions to the WQMPP.
- 4. Monitoring results shall be submitted weekly to the Ecology Federal Permit Manager, per condition A.2.
- 5. Mitigation and/or additional monitoring may be required if the monitoring results indicate that the water quality standards have not been met.
- 6. The permit coordinator shall be contacted within 24 hours if an exceedance occurs for all activities except dredging of unsuitable material and return water. For unsuitable material or return water, the permit coordinator shall be contacted within 2 hours if an exceedance occurs.

D. Notification Requirements

- 1. Notification shall be made via phone or e-mail (e-mail is preferred) to Ecology's Federal Permit Manager. Notifications shall be identified with Order No.17584 and include the Applicants name, project name, project location, project contact and the contact's phone number.
 - a. Immediately following a violation of state water quality standards or when the project is out of compliance with any of this Orders conditions.
 - i. In addition to the phone or e-mail notification, the Applicant 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.
 - 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 for each in-water work window established in the most current HPA.
 - d. At least seven (7) days within project completion for each in-water work window.
 - i. In addition to the phone or e-mail notification, the Applicant shall submit a summary of the dredging location and associated volumes for each in-water work window.

E. Dredging and Disposal

1. All dredging is to be done using a clamshell dredge, with the exception of Berth 10 where hydraulic dredging is allowed. Use of any other type of dredge requires preapproval from Ecology.

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- 2. All unsuitable material must go to a permitted landfill or other appropriate upland disposal location. All other dredged material will be placed either upland at the Gateway 3 site, or in-water within the Columbia River at a location approved by the Army Corps of Engineers. Use of any other type of disposal method or location requires pre-approval by Ecology.
- 3. Until deepening to -45 ft CRD is completed, Berth 8/9 maintenance dredging is limited to a maximal depth of -41 ft CRD, due to the presence of contaminants (TBT) in deeper sediments. After the initial deepening, Berths 8/9 will be maintained at -43+ 2, consistent with all other berths.
- 4. At least 30 days prior to starting the dredging activity, the Applicant shall submit a *Dredging and Disposal Workplan* to Ecology for review and approval, per A.2.
- 5. The *Dredging and Disposal Workplan* shall include the following:
 - a. General information including schedule, primary contact, and hours of operation
 - b. Dredged quantities and disposal location
 - c. Dredging procedures and sequence
 - d. Equipment list
 - e. Transload plans for materials being taken to the Gateway 3 site or other appropriate upland disposal sites, including a description of the BMPs to be used to filter dewatering material on the barges
 - f. BMPs for managing debris
 - g. BMPs for managing turbidity
- 6. All debris larger than two (2) feet in any dimension shall be removed from the dredged sediment prior to disposal at the open water site. Similar-sized debris floating in the dredging or disposal area shall be removed.
- 7. 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.
- 8. Dredged material shall not be temporarily or permanently stockpiled below the OHWM.
- 9. Suitable dredged material shall be placed onto a barge and transported by tugboat to the open water disposal site. The barges shall have sidewalls to contain the material, and the barges shall not be overfilled to prevent barge overflow. If flat top barges are used, additional BMPs shall be implemented to allow filtering so as to prevent exceedence of water quality standards.
- 10. A pre-dredge meeting is required to be convened prior to the start of dredging. A

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Dredging and Disposal Workplan (Conditions E4 and E5) is required and shall be submitted to Ecology to the 401/CZM Federal permit manager at the address shown in Condition A2 for review and approval 2 weeks prior to the pre-construction meeting.

- 11. Prior to each dredging cycle, the Applicant shall contact the PSET agencies to determine whether additional sediment testing is required. If additional testing is required, no dredging or disposal shall be conducted until the material has been tested and a suitability determination has been issued. Sampling activities to support maintenance dredging may be conducted per coordination with PSET and consistent with a PSET-approved SAP, and may include collection of sediment cores or surface sediment grabs. The USA berths and flushing channel have variable ranking and data recency. Contact the PSET for a possible extension on the suitability determination.
- 12. Dredging of up to 50,000 cubic yards is allowed for each annual maintenance dredge, with a 10-year permit maximum of 150,000 cubic yards.
- 13. Dredging shall be confined to areas and depths depicted in Attachments B (revised).

F. Timing

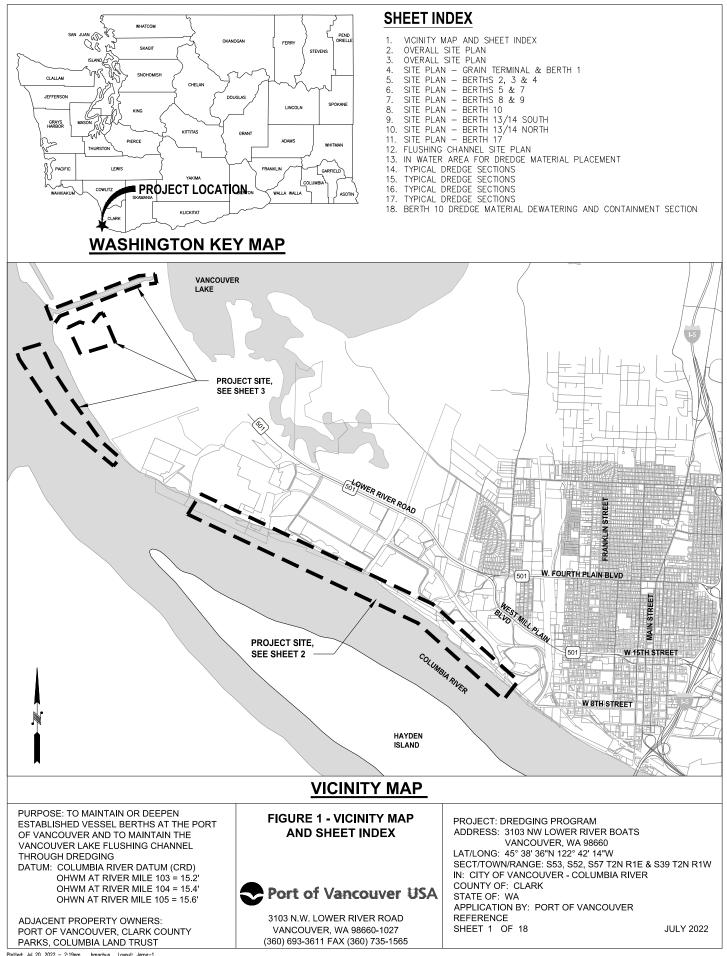
- 1. This Order will expire ten (10) years from the date of issuance of the Corps permit.
- 2. The HPA issued August 28, 2017 and modified on February 13, 2018 requires that work below the ordinary high water line is conducted between October 1 through January 31 for the calendar years of 2017 through 2022. Work outside these approved years require a new HPA. Any new or revised HPA shall be sent to Ecology.

G. Emergency/Contingency Measures

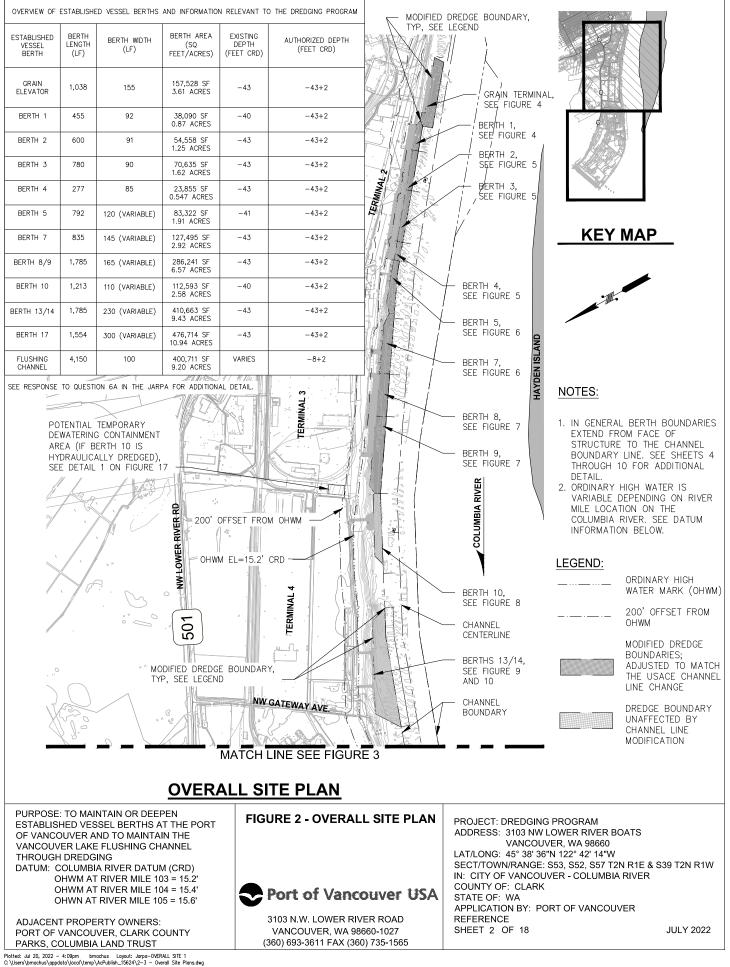
- 1. The Applicant shall develop and implement a spill prevention and containment plan for this project and shall have spill cleanup material available on site at all times during construction. This plan shall be submitted to Ecology
- 2. Work causing distressed or dying fish, discharges of oil, fuel, or chemicals into state waters or onto land with a potential for entry into state waters, <u>is prohibited</u>. If such work, conditions, or discharges occur, the Applicant shall notify the Ecology Federal Permit Manager per condition B.1.a. 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/or prevent further environmental damage.

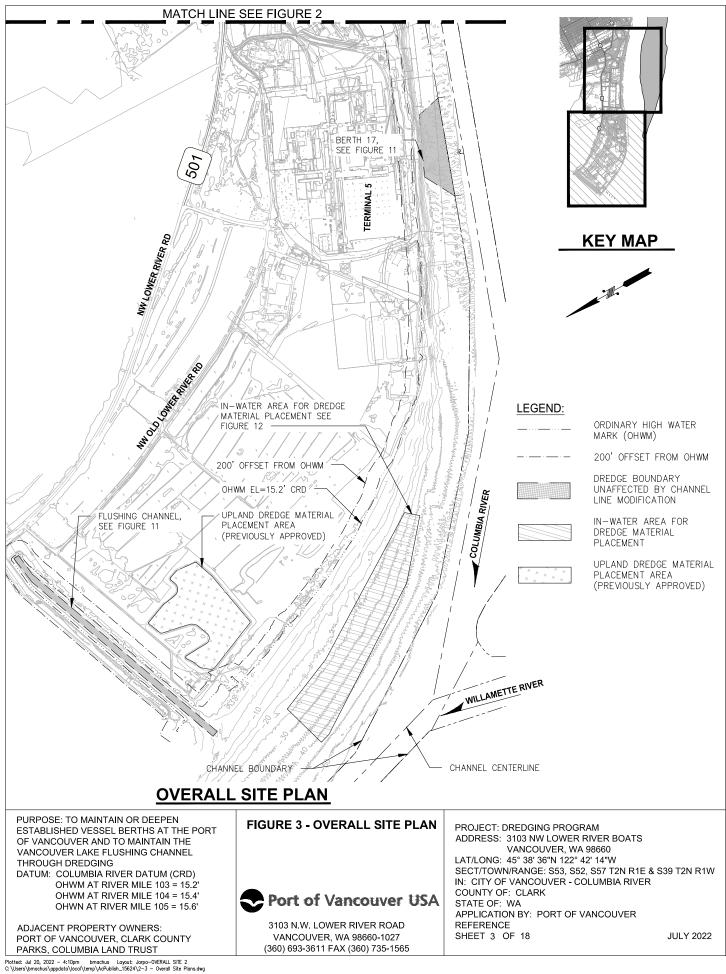
Copy showing changes based on first amendment in red and second amendment in blue Order No.17584, Corps No. NWP-2007-916-2 April 3, 2018 Original Issued; 1st Amendment issued April 4, 2019; 2nd Amendment issued November 17, 2022 Page 9 of 9

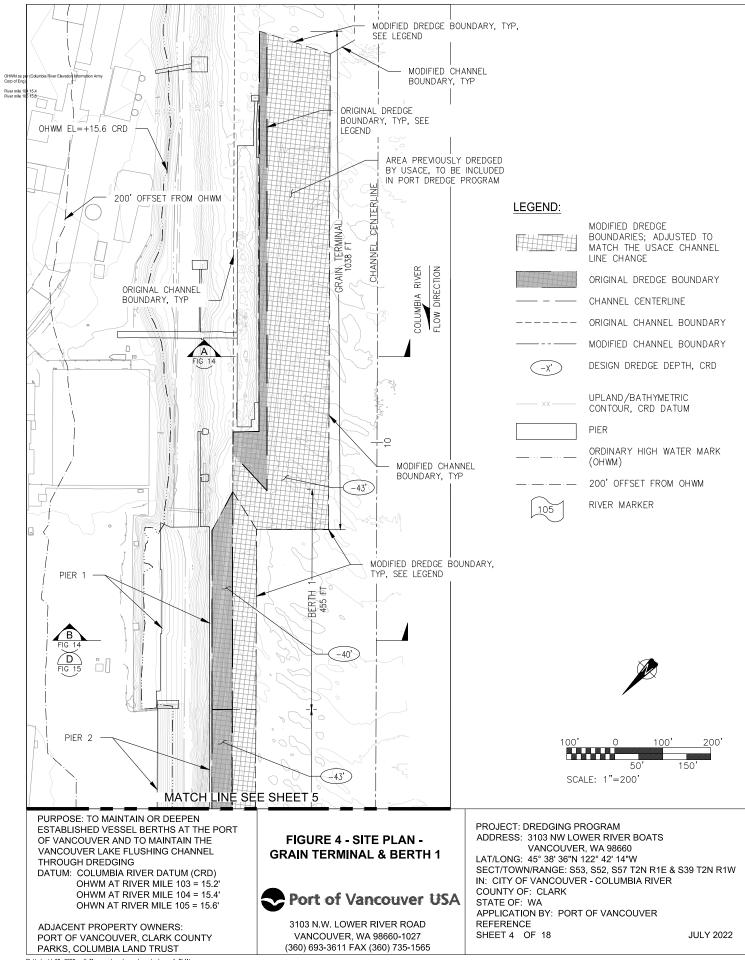
- c. In the event of a discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, containment and cleanup efforts shall begin immediately and be completed as soon as possible, taking precedence over normal work. Cleanup shall include proper disposal of any spilled material and used cleanup materials.
- d. Immediately notify Ecology's Regional Spill Response Office and the Washington State Department of Fish & 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.
- 3. Notify Ecology's Regional Spill Response Office immediately if chemical containers .atr o (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.



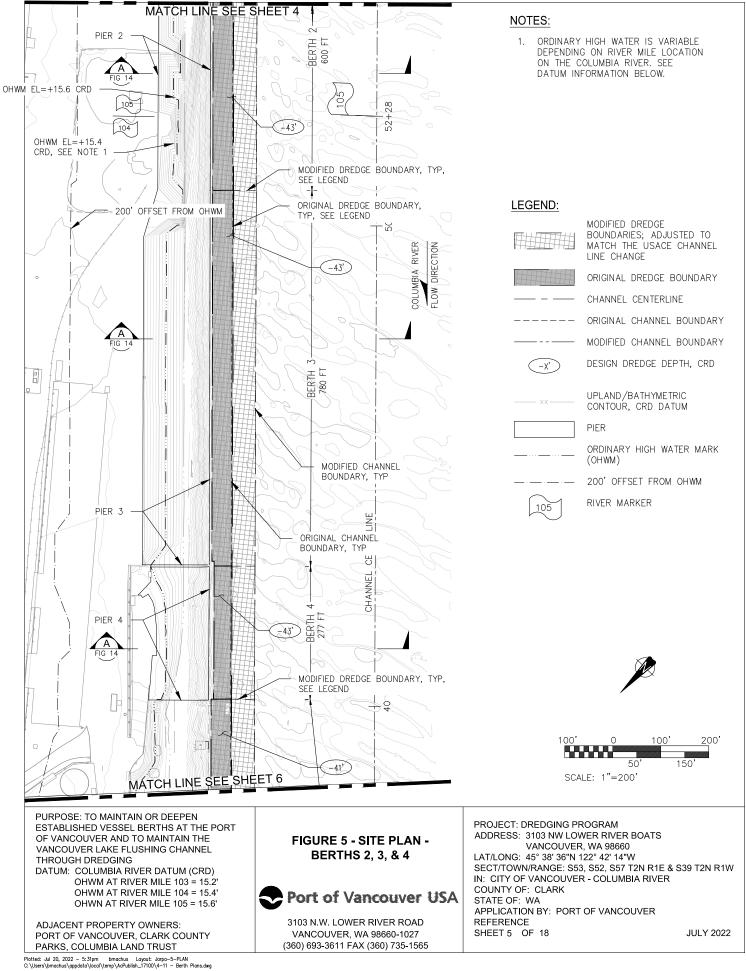
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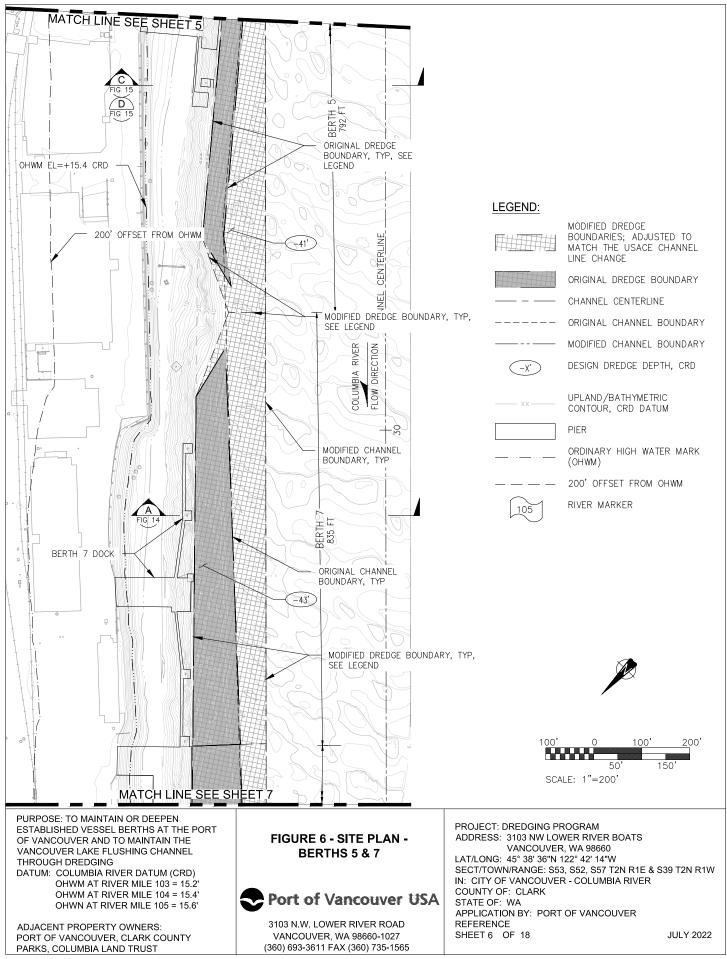




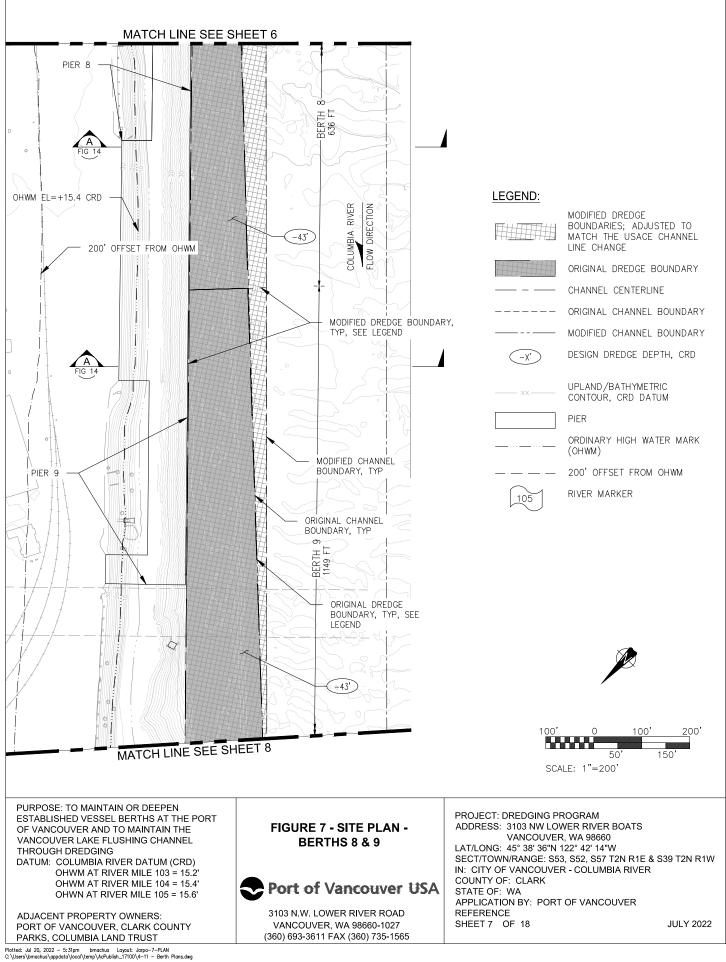


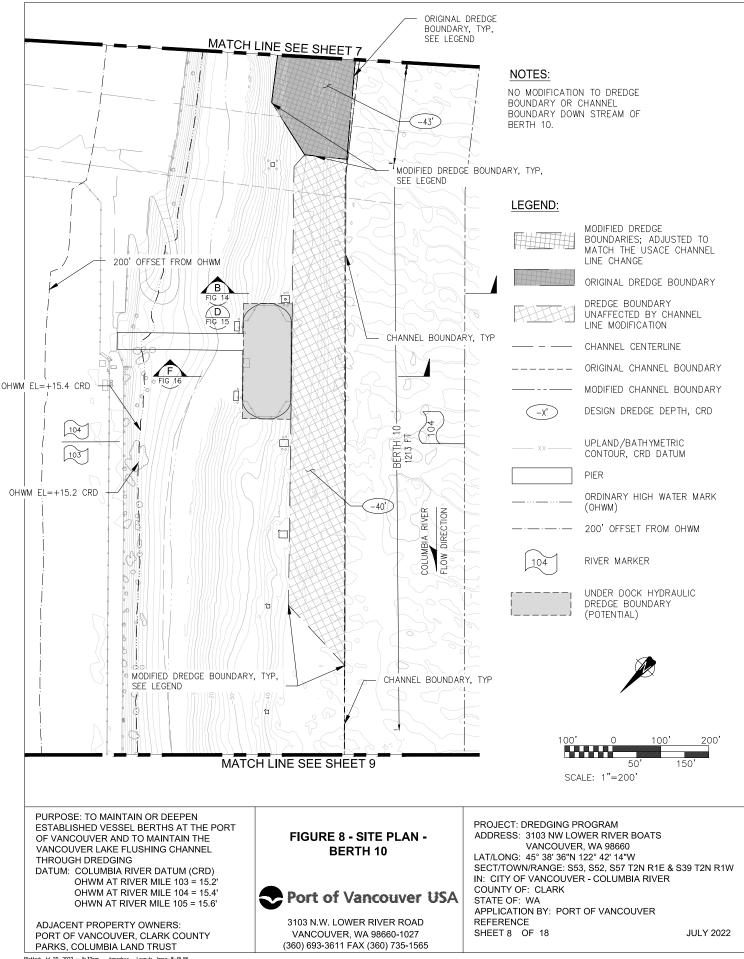
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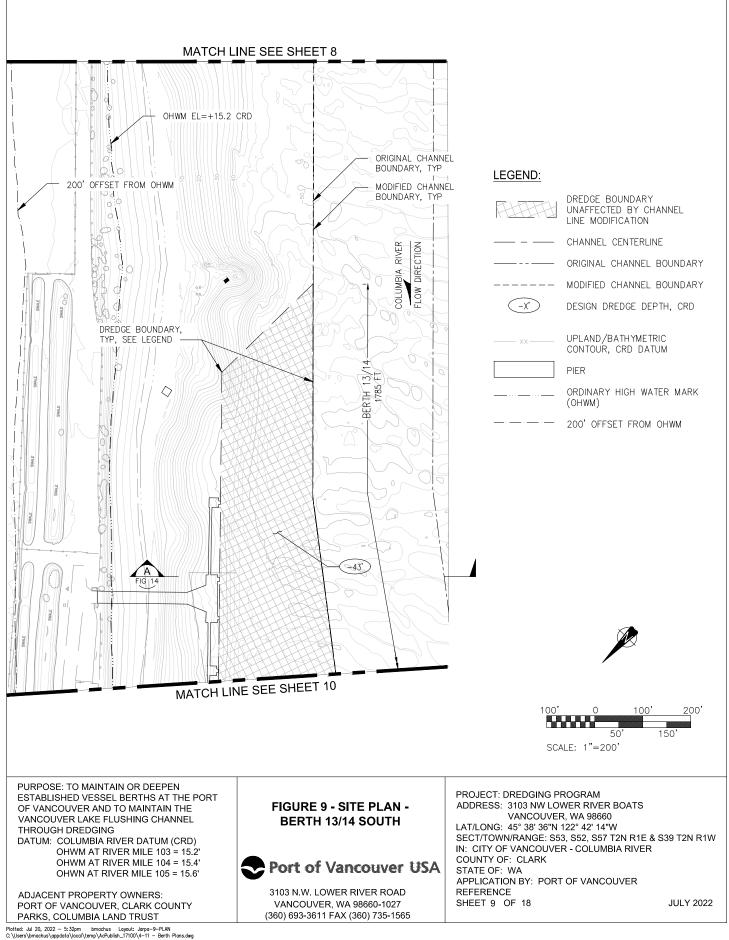


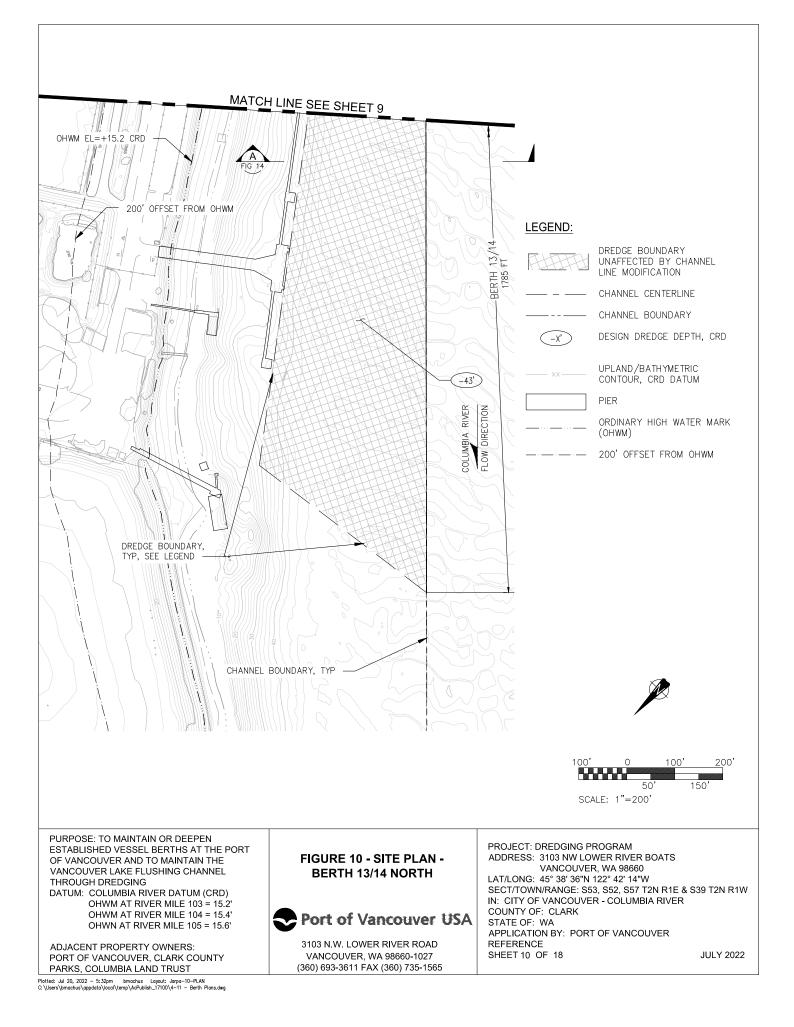
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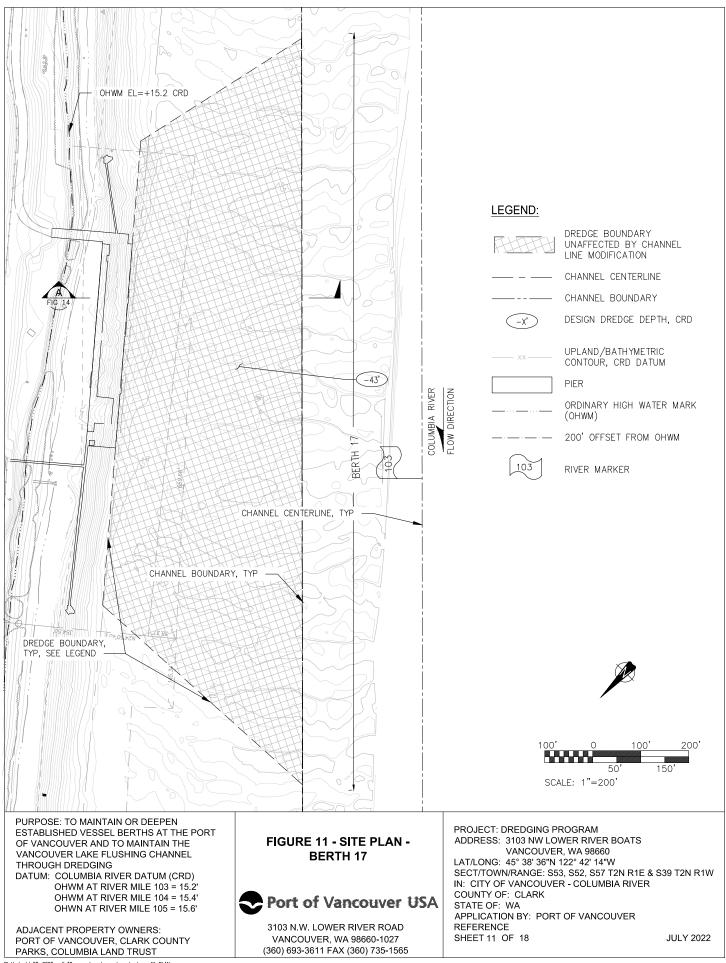


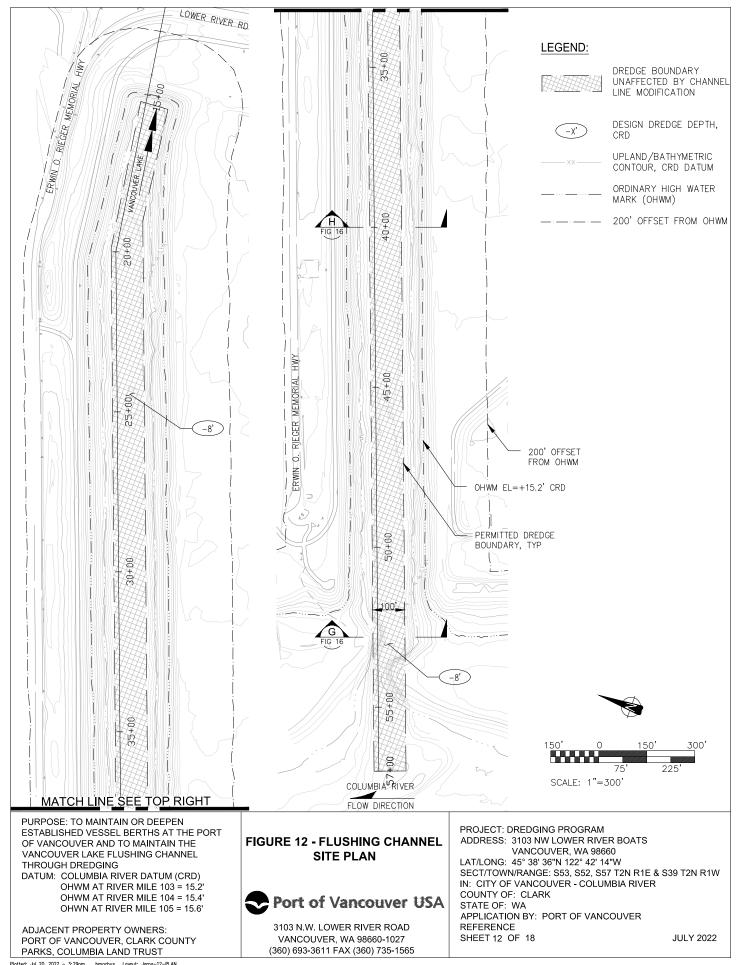


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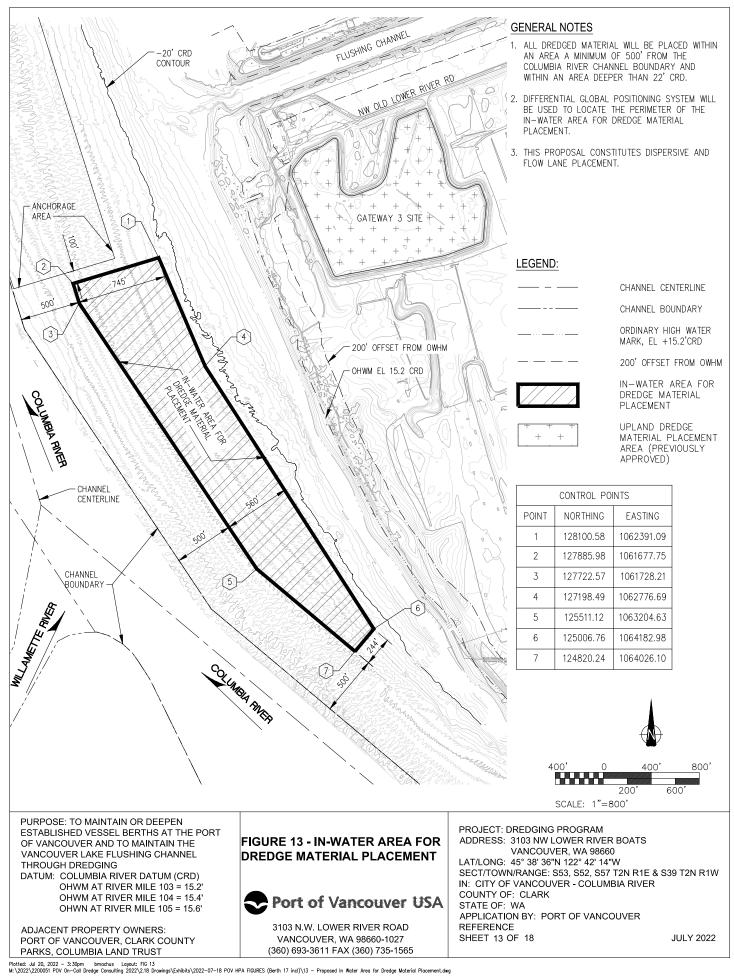


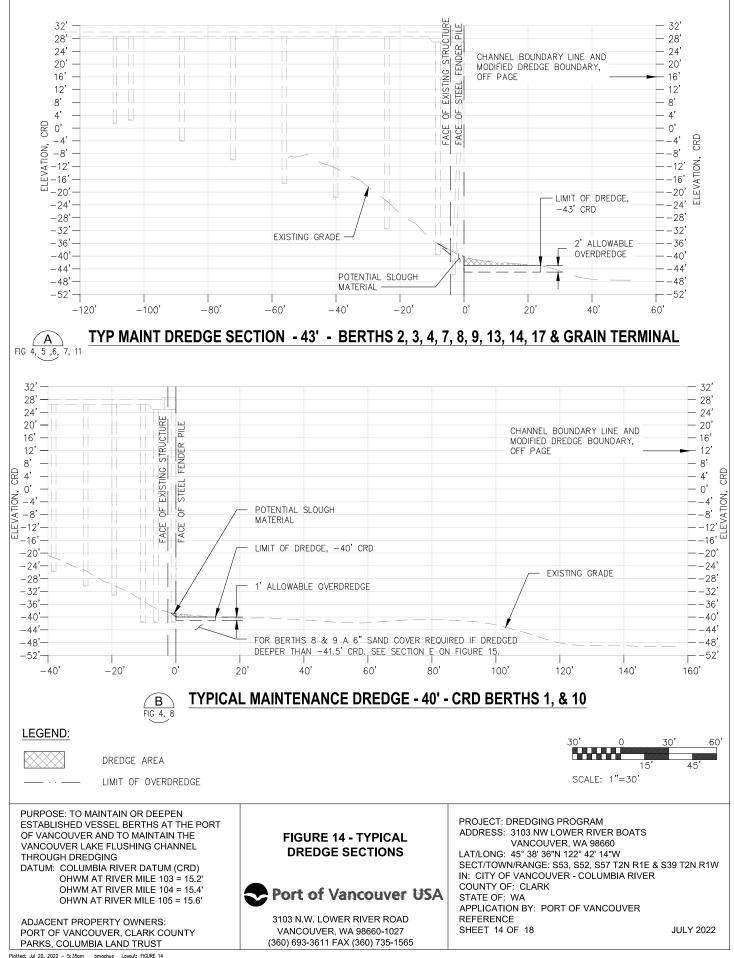




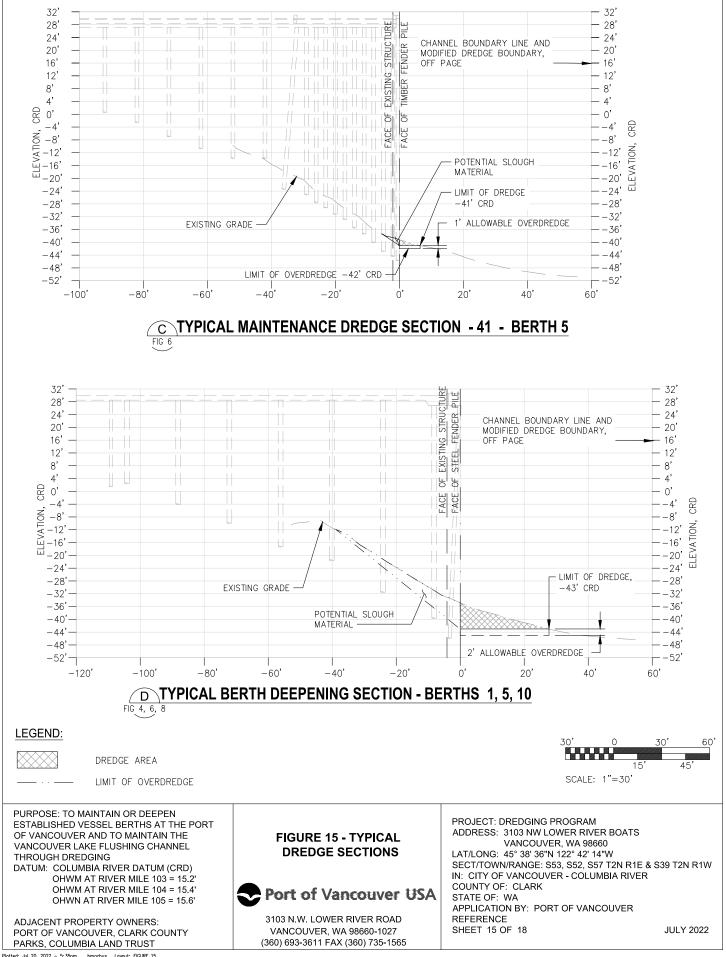


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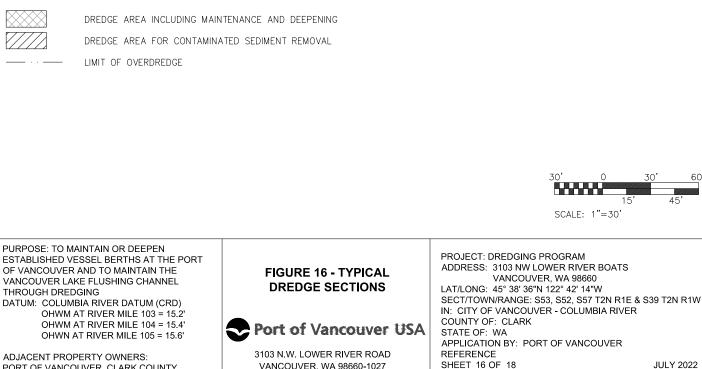
Potted: Jul 20, 2022 – 5: 35pm bmochus Layout: FIGURE 14 M:\2022\2200051 POV On-Call Dredge Consulting 2022\2.18 Drowings\Exhibits\2022-07-18 POV HPA FIGURES (Berth 17 incl)\14-15-16-17 - Typical Dredge Sections.dwg



Polited: Jul 20, 2022 – 5: 35pm bmachus Layout: FIGURE 15 M:\2022\2200651 POV On-Call Dredge Consulting 2022\218 Drawings\Exhibits\2022-07-18 POV HPA FIGURES (Berth 17 incl)\14-15-16-17 - Typical Dredge Sections.dwg

32' -- 32' PIER 28' - 28' BREASTING DOLPHIN, BEYOND 빙 - 24' 24 20' EXISTING HINGED RAMP FACE 20' 16' - 16' 12' - 12' NO DREDGE /ALLOWED 8' _ - 8' ABOVE -15' CRD 4' - 4' _ FLOATING DOCK CRD 0' POTENTIAL SLOUGH - 0' _ MATERIAL -4' — — 4' CRD _ -4' -NO -8' --12' --16' ---8' EVATION, LIMIT OF DREDGE, -25' CRD --16' ш́-20'---20' -24'— SEE SECTION B ON FIGURE 13 Ш FOR MAINTENANCE DREDGING -28'--32'--36'-1' ALLOWABLE OVERDREDGE -40'------ - 40'-44' --44' -48'— ——48' -52' --52' -60' -20' -120'-100' -80 -40' 20' 40' O, BERTH 10 UNDERDOCK DREDGE SECTION F FIG 8 NOTES: 1. PIPELINE COORIDOR BETWEEN BERTH 10 UNDERDOCK DREDGING AND UPLAND CONTAINMENT NOT SHOWN, SEE SHEET 17 FOR DEWATERING CONTAINMENT AREA.

LEGEND:



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JULY 2022

Polited: Jul 20, 2022 – 5: 35pm bmachus Layout: FIGURE 16 M:\2022\2200651 POV On-Call Dredge Consulting 2022\218 Drawings\Exhibits\2022-07-18 POV HPA FIGURES (Berth 17 incl)\14-15-16-17 - Typical Dredge Sections.dwg

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