



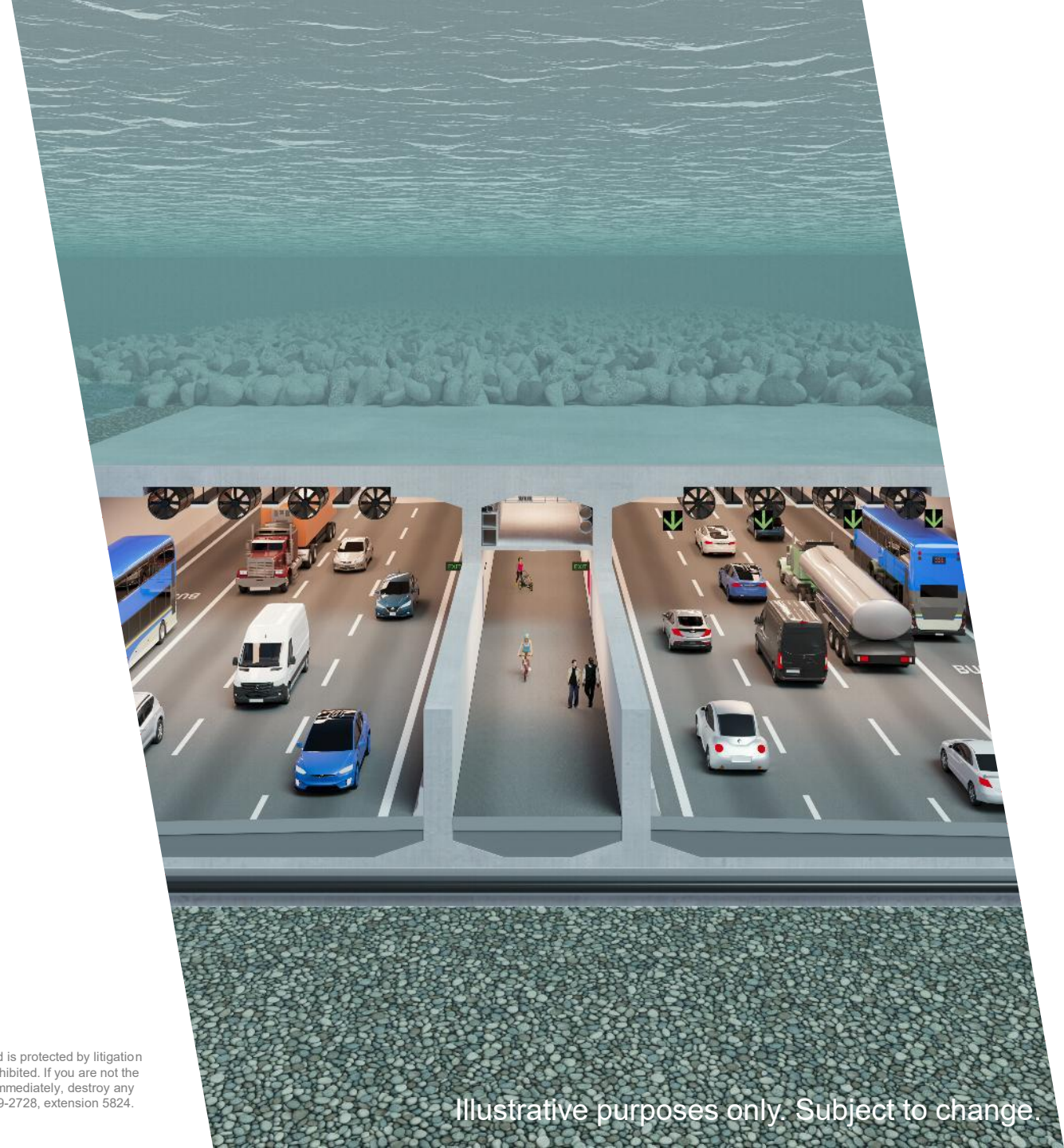
Fraser River Tunnel Project

Marine Users Group (MUG)

August 20, 2026

Agenda

1. Summary of July 16 Meeting
2. Updates
3. Vessel Simulations
4. Active NAVWARNs
5. 4-Week Lookahead
6. Next Steps



Summary of July 16 meeting

- TIC provided an update regarding the revised procurement approach for major construction
- Vessel simulation results – FRP and Seaspan simulations complete (awaiting report and recommendations)
- Anticipated schedule and impacts for the upcoming in-river works – no detours required Canfisco demo/bay closure or trestle bridge construction (potential limited use of the north/south detours for jetties and transition walls)
- Marine Construction Staging Plans and Marine Communications Plans – sent to MUG for review/comment by EOD Monday, July 27 (**Complete**)
- Four-week look-ahead of upcoming works:
 - Jetty construction: Procurement of steel ongoing
 - Transition walls: Procurement of steel and specialized piling equipment ongoing
 - Deas Slough trestle bridge: Contract execution/procurement of steel starting August 4
 - Canfisco demolition: Mobilization for removal of existing jetty structure and dolphin piles starting August 10
- Additional details provided for works taking place through spring 2027
- Update provided regarding range light interference – CFP is monitoring and requests feedback from marine users as we move into fall with more activities taking place outside of daylight hours

Updates

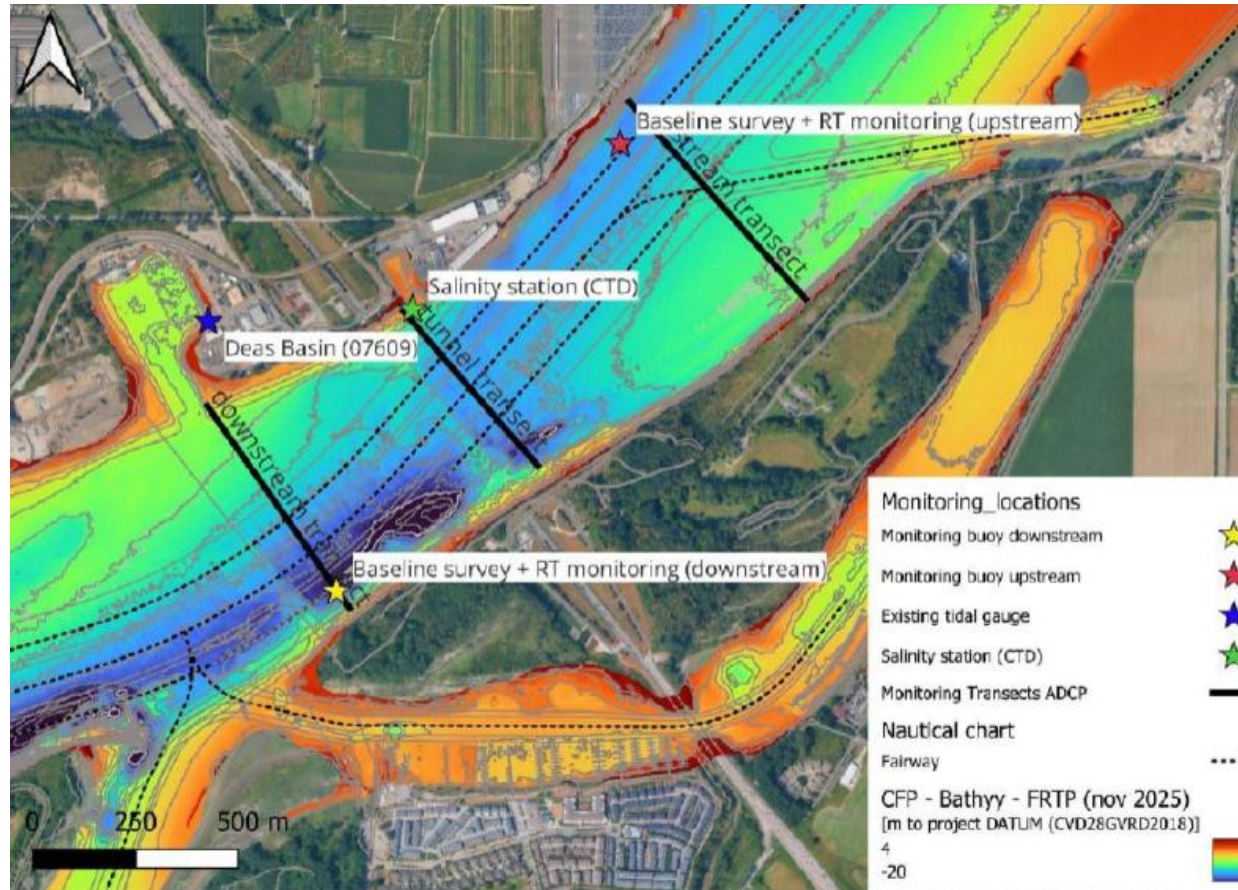


Navigation Protection Plan

- Application submitted to Transport Canada in May
- Marine Construction Staging Plan (MCSP) and Marine Communication Plan (MCP)'s provided to MUG for review in July – no comments received
- Awaiting final approval from Transport Canada

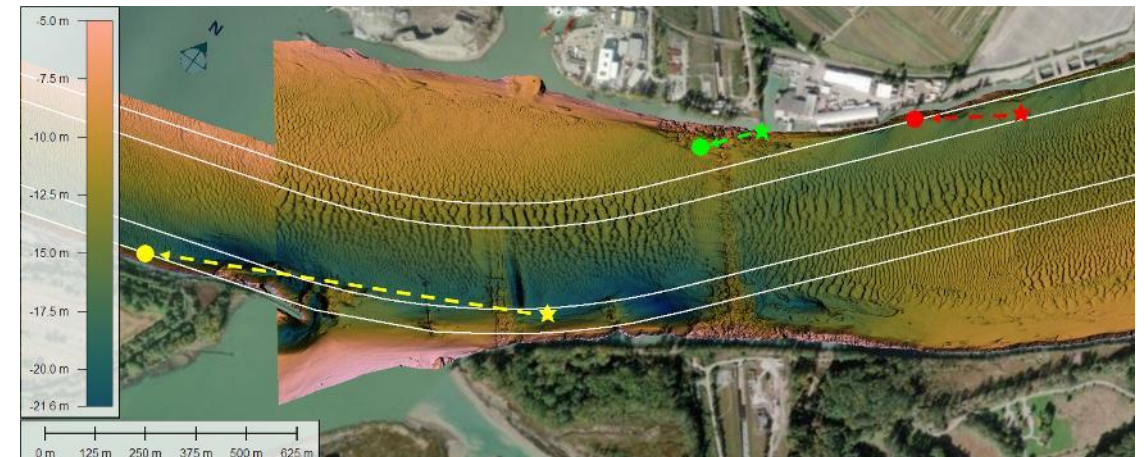


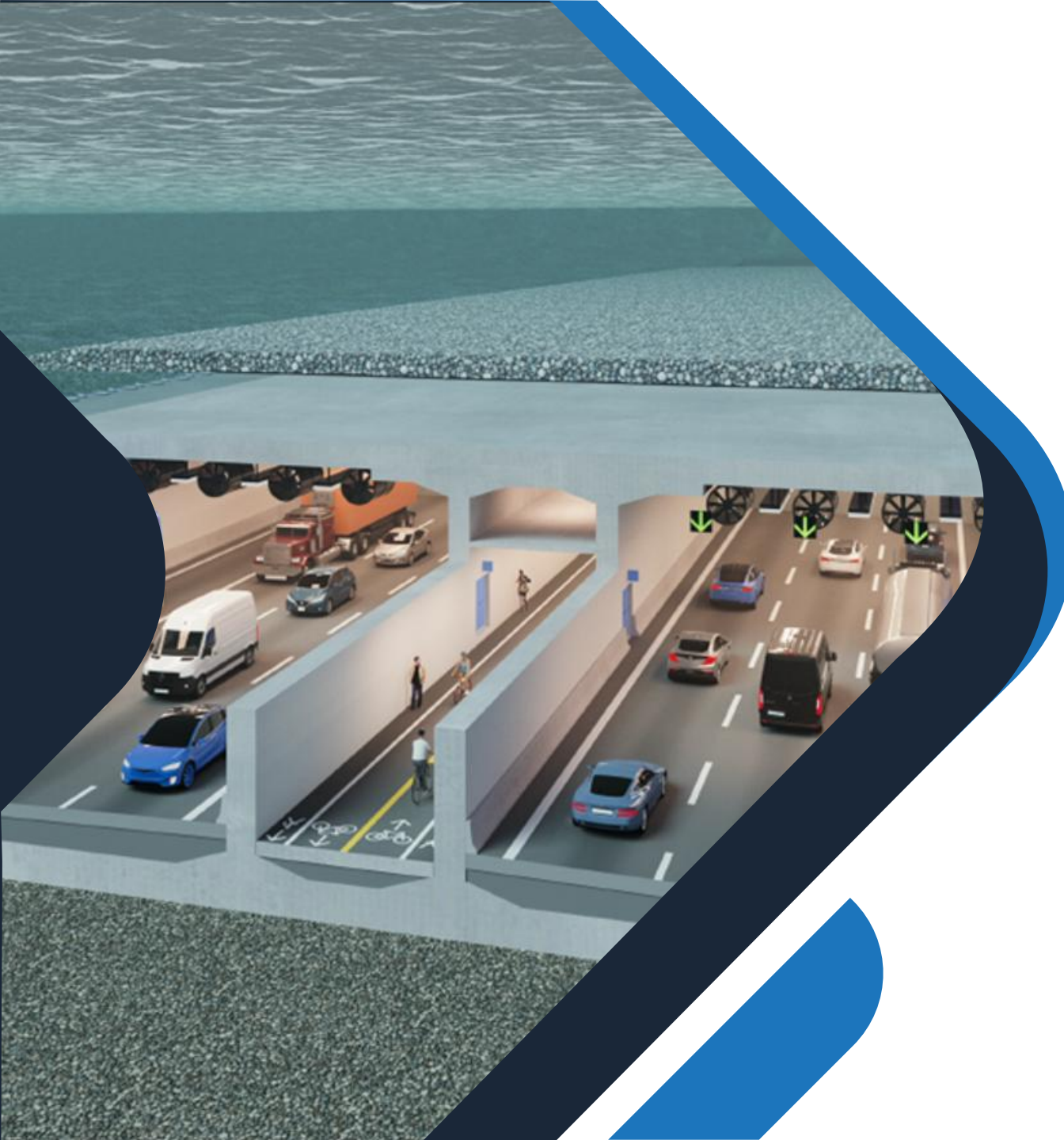
F RTP River Monitoring Program – Proposed Monitoring Locations



Driven by:

- Proximity to the immersion site
- Need for deeper water to collect CTD throughout the water column

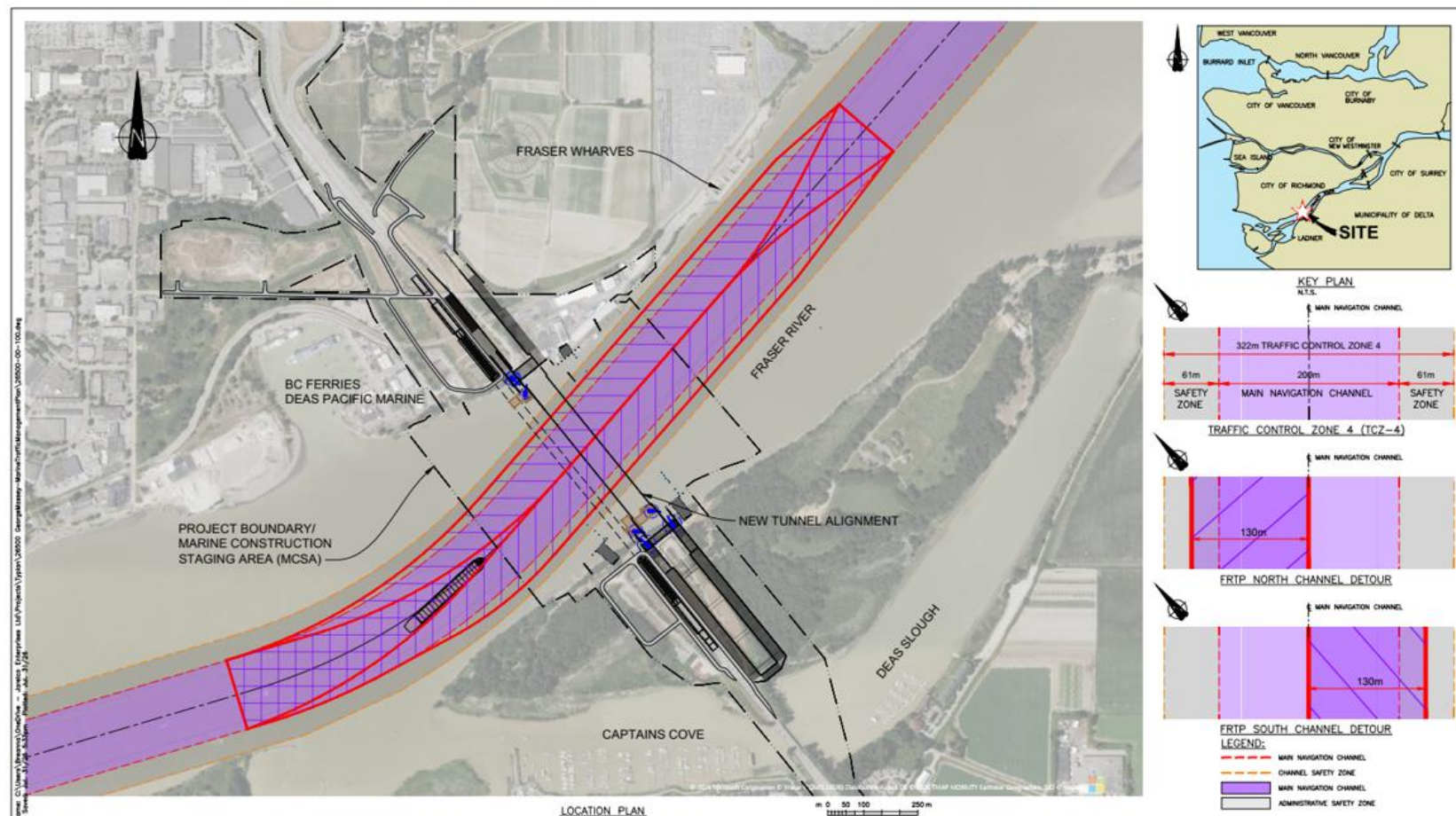




Vessel Simulations Operating Parameters Recommendations

Navigation Detour Purpose

- Marine navigation accommodated via detour
- Marine Construction Activities contained within Marine Construction Staging Areas (MCSA)
- Separating the two improves navigation safety and construction site safety



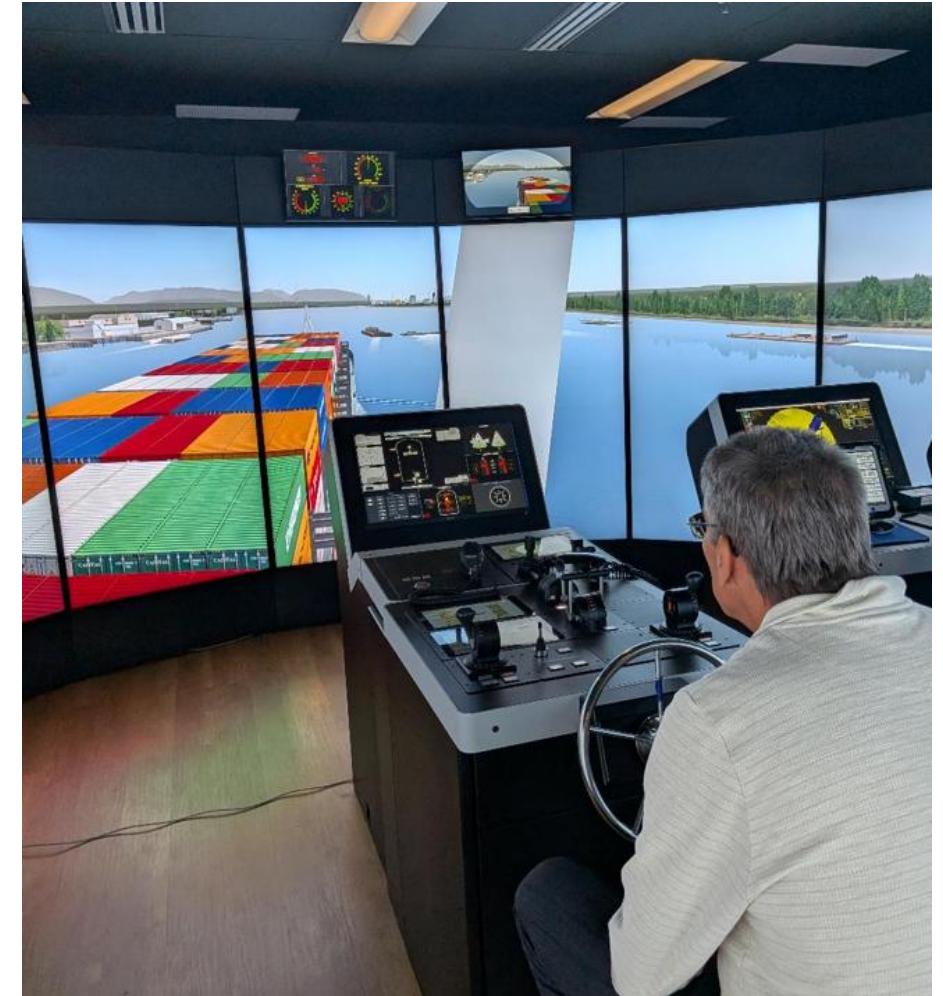
F RTP Vessel Simulation Overview

Purpose of vessel simulations was to determine:

- minimum speeds to maintain maneuverability
- minimal channel widths
- required marine mitigation

To date, we have completed:

- 4 rounds of simulations with Fraser River Pilots (FRP):
 - 2022
 - 2025
 - 2026 (*spring and summer*)



Latest Simulation Focus

Simulation scenarios from latest round investigated:

- Deceleration process and associated impact on transit timeline
- Maneuverability with tug assist

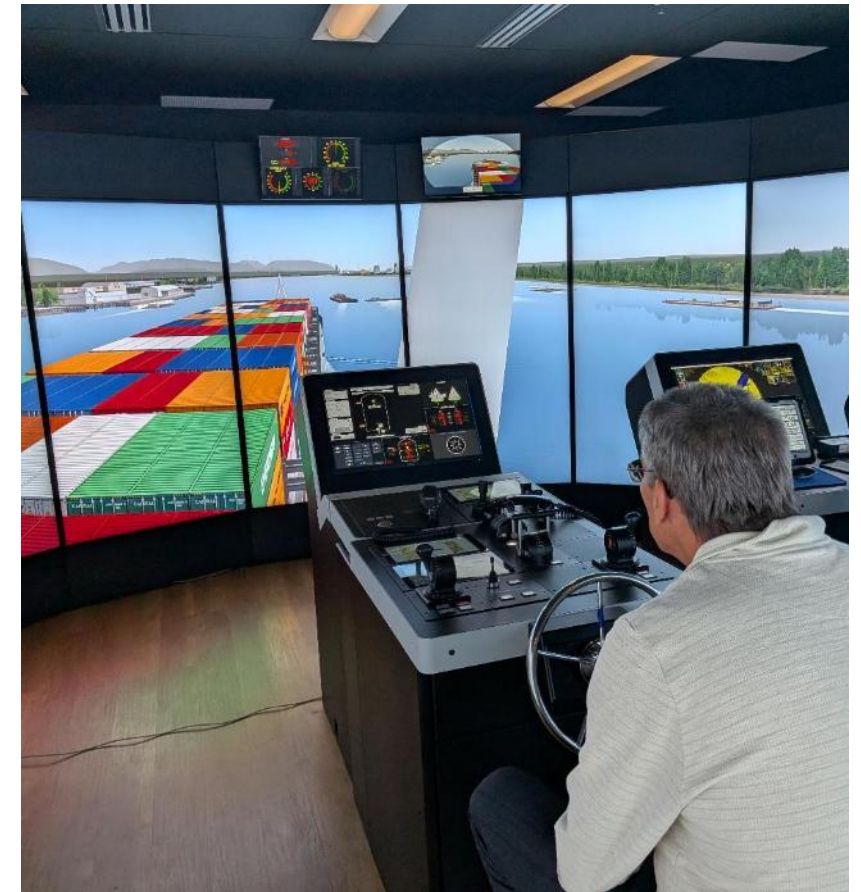


Latest Simulation Results

Vessel Type	Minimum Channel Width	Additional Mitigations
Deep sea transits	110 m	2 tug escorts 2 captains

Minimum transit speed of 7 knots

Results allow refinement of approach and will form inputs to GC-1 as constraints for delivery.



Active NAVWARNs



Active NAVWARNs

NAVWARNS TRACKER

FORMAT: YYYY-MM-DD 00:00



3490 Fraser River

Sand Heads - Douglas Island

Compartment A-B

UTC: 2019-02-06 20:31

PDT: 2019-02-06 1:31 PM

[Double Click Cell Below & hit Enter to Update](#)

ID	Title	Status	Start Date & Time (PDT)	End Date & Time (PDT)	Description	Position	Days until Renewal
NW-P-1103-26	Marine Works - Offloading Area	ACTIVE	2026-08-09 6:05 AM	2026-09-01 6:00 PM	A marine construction staging area will be established near the George Massey Tunnel. Offloading of materials from barges will take place at 49 07.276N 123 04.316W. Hours of operation from 1400 to 0200 UTC daily from 10 Aug to 01 Sept. FRPD on site monitoring VHF channels 16, 71 and 74. Minimum wake.	Centroid : 49° 07.278'N 123° 04.316'W Pt 1: 49° 07.329'N 123° 04.285'W Pt 2: 49° 07.279'N 123° 04.404'W Pt 3: 49° 07.229'N 123° 04.350'W Pt 4: 49° 07.276'N 123° 04.227'W	22
EXAMPLE	INSERT TITLE	EXPIRED	2026-05-01 9:35 AM	2026-08-06 12:00 AM	INSERT DESCRIPTION This is an example of what an expired NAVWARN would look like	INSERT COORDINATES	OVERDUE

4-Week Lookahead

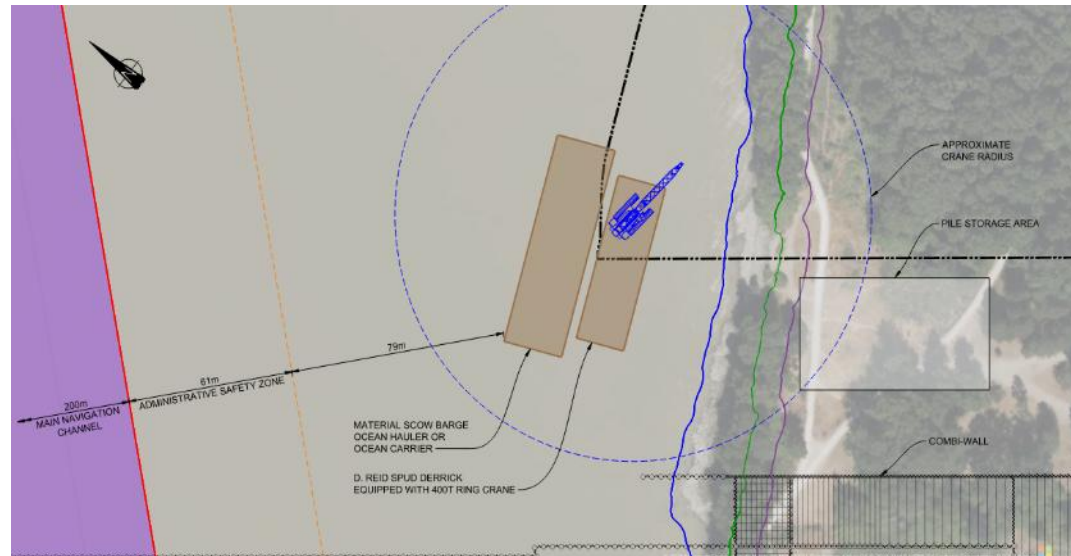


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Week of August 24

- Canfisco Jetty Structure Demolition (NPP Pending)
- **Material Offloading (Deas Island)** →



Week of August 31

- Canfisco Jetty Structure Demolition
- Material Offloading (Deas Island)



Weeks of September 7 & 14

- Canfisco Jetty Structure Demolition
- Canfisco Wharf Structure Demolition
- Material Offloading (Deas Island)

**Upcoming Canfisco Bay Closure week of Sept 21*



Communications for Upcoming Early Construction Works

All in-river activities will be coordinated by CFP and communicated with the marine community via:

- Monthly MUG meetings
- Weekly NAVWARNS
- Daily Construction Notices

Canadian Coast Guard
www.ccg-gcc.gc.ca

MCTS Western NAVWARN Issuing Desk
Website: nls.ccg-gcc.gc.ca
Phone: 250-627-3070
Email: mcts victoria@pac.dfo-mpo.gc.ca

Navigation Warning Request

Organization Name: Cross Fraser Partnership (CFP) – Prime Contractor
Fraser River Pile & Dredge (GP) Inc. – Marine Subcontractor

Site Name: Fraser River Tunnel Project – In River Test Program

Start Date and Time: August 10, 2026 at 0700 PST
End Date and Time: August 31, 2026 at 1900 PST

Location of Activity:
Combi-Wall Material Offloading – Derrick and Scow Barge movement will be within Fraser River, outside of the Main Navigation Channel described by the polygon:

49° 7'19.77"N, 123° 4'17.09"W
49° 7'16.73"N, 123° 4'24.27"W
49° 7'13.77"N, 123° 4'21.01"W
49° 7'16.56"N, 123° 4'13.61"W

Brief Description of Work:
Derrick Barge FRPD "D. Reid" will be spudded down near the shoreline of Deas Island. Material scow barges, transporting pipe and sheet piles from the supplier (located in Mission B.C.) will be temporarily staged adjacent to the Derrick Barge periodically to facilitate the offloading of piles to the land based stockpile location, near the tunnel casting basin (Deas Island).

No navigation detours will be required for this activity as the barges will be located outside of the navigation channel.

Canadian Coast Guard
www.ccg-gcc.gc.ca

Special Requests or Additional Information:
During this stage mariners are advised to avoid the marine equipment staging area and navigate via the Main Navigation Channel. Equipment staging as illustrated in the exhibit below.



Next Steps



Next Steps

- Monthly MUG meetings will continue to provide updates regarding Preparatory Construction Work, including 4-week lookaheads
- Weekly NAVWARNs and Daily Navigation Notices will be provided as in-river activities continue
- **Next meeting:** Mid-September (CFP to provide meeting materials and August 20 MUG minutes in advance)