



Marine Users Minutes of Meeting

Vancouver Fraser Port Authority (VFPA)
Fraser River Pile & Dredge (FRPD)

Attendees:

FRPD: Sherry Kennedy, Justin Pilgrim, Abbas Firoozi,

VFPA: Sarah Binder, Warren Mills, Chance Mckee, Thomas Dayde, Egge Kloosterboer, Jason Krott, Torben Gram, Oleg Degtyarenko, Kee Rink, Kiefer Dutton, Jessica Ly, Kevin Ball, Aziz Bhuiyan,

BC Coast Pilots: Neal Henne, Kevin Roberts, Robin Stewart,

Council of Marine Carriers: Paul Hilder,

Pacific Pilotage Authority: Paulo Ekkebus,

Prism Marine: Michael Cronin,

Mercury Launch & Tug: Rob Errington,

Trident Navigation: Alex Edwards

Seaspan: Sarah Gilbert, Kyle Russel,

Trans Mountain: Elliott Humphry, Petar Lolic,

Chamber of Shipping: Rishi Luthra,

Shipping Federation of Canada: Steve Bagnell,

Recorded by: AF

Date: Sep 10th, 2026, 1300-1400

Subject: Second Narrows Dredging Works

Agenda:

1) Brief Project Overview (High Level)

- Work is mainly east of the Ironworkers Memorial Second Narrows Crossing and rail bridge, along the north and south slopes.
- McKenzie will perform clamshell dredging; GE-2 will perform sandstone treatment. Work also includes water-main activities and boulder recovery/placement.
- Dredged material will be transported by scow to Mercury Launch & Tug for offloading

2) Dates and Hours of Operations • Off-site yard preparation planned from Sep. 15; first on-site work targeted for Sep. 21. • Clamshell dredging is expected through the end of December, with demobilization in late January/early February. • Planned hours are six days/week, 7:00 a.m.–5:30 p.m.; hours may increase depending on schedule, field, weather, and environmental conditions.
3) Description of Activities Taking Place • Stage 1: McKenzie south-shore clamshell work. • Stage 2: GE-2 sandstone treatment with McKenzie relocating to the north shore. • Stage 3: McKenzie returns to south-shore dredging while GE-2 progresses. • Stage 4: McKenzie completes final cleanup before demobilization
4) Frequency of Dredging Equipment Transiting 4-1) Material barges: • Each dredge barge is expected to take approximately 2–3 days to load. • Approximately 1–2 barge trips per week are anticipated between the project site and Mercury. • Barges may temporarily stage near the Chief Dan George buoy when required for traffic, tides, bridge transit, or inclement weather. 4-2) Marine Derricks: • The McKenzie and GE2 will transit to site for mobilization and move between work stages as required. The marine derricks will be removed from site and staged when flow, weather, or other environmental conditions do not permit safe mooring 4-3) Support Tug: • The Trident Warrior (or equivalent) will remain onsite during all operational hours
5) Participating Equipment and Vessels • Primary equipment: McKenzie 200-ton marine derrick and GE-2 sandstone-treatment derrick. • Material scows include FRPD Charles, FRPD Stanley, and FRPD 5. • Trident Navigation will provide tug support; additional survey, crew, and dive vessels will be used as required. • Movement timing will be coordinated with MCTS and affected marine users. Loaded barge movements may be held until vessel traffic permits safe transit
6) Method of Preferred Communication

- Primary site VHF channel: 69. Site tug will monitor Channels 69, 74, 12, and 16.
- FRPD will monitor vessel traffic and coordinate marine movements in advance.
- The presentation slides will be distributed to marine users.
- FRPD and Trident will coordinate barge movements with MCTS under TCZ-2 Procedures.
- FRPD will provide updates as the work progresses or when the planned activity changes

7) 24 Hour Emergency Contact Information

- Emergency contact information will be included in the NAVWARN and distributed project information.

FRPD 24-hour emergency contact : 604-522-7971

Project Contacts:

Justin Pilgrim, Sr. Project Manager : 604-818-8946

Ryan Pilgrim, Site Superintendent : 604-374-6321

- BC Coast Pilots offered a 24/7 Director-on-Call contact for transit coordination and urgent marine communication.

8) Questions

- Allied Shipyard access: approximately 48 hours' notice requested where possible.
- Staging drawings to be revised with additional recognizable landmarks for clarity.
- FRPD to coordinate clearance from the navigation channel and GE-2 channel encroachment with vessel traffic.
- Anticipated barge movements to/from Mercury to be shared where useful to avoid conflicts.
- Reliable VHF monitoring and advance coordination with marine users/pilots emphasized.

9) Agreeance on Frequency Follow Up Meetings

- Next Marine Users Group meeting proposed for Sep. 18th at 1000 and reoccurring monthly thereafter.



Second Narrows Marine Users Group Meeting

Second Narrows Dredging Works

Justin Pilgrim
Fraser River Pile & Dredge (GP) Inc.

September 10, 2026



Meeting agenda

1 Project overview

2 Dates and hours of operations

3 Activities taking place

4 Equipment transits

5 Equipment and vessels

6 Preferred communication

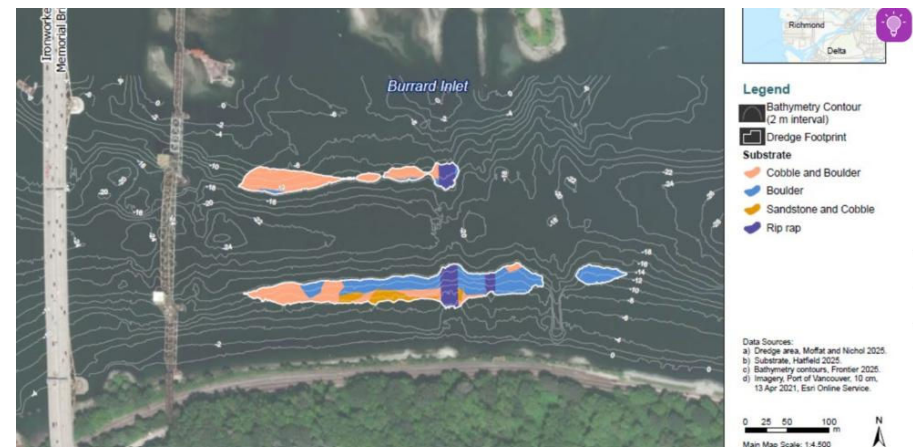
7 Emergency contact information

8 Questions

9 Recurring meeting frequency

Work east of the Ironworkers Memorial Bridge

- Clamshell dredging north and south of the navigation channel
- Sandstone treatment using a separate marine derrick
- Removal of the decommissioned watermain, with diver assistance
- Boulder recovery and placement
- Dredged material transported by barge to Mercury Launch and Tug Ramp for upland disposal





2. Dates and hours of operations

Planned operating period

Mobilization	September 15 to October 15, 2026
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Clamshell dredging	September 21 to December 29, 2026
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Sandstone work	October 20, 2026 to January 25, 2027
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Demobilization	January 25 to February 2, 2027
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Hours

Currently planned at 6 Days per week from 0700 to 1730. However, 24-hour operations may be required to best accommodate schedule, vessel traffic, weather, environmental requirements and field conditions.

McKenzie

200-ton clamshell dredging spread

- 200-ton marine derrick
- Manitowoc 4600 pedestal crane
- 5 to 7 cubic yard heavy-duty clamshell buckets

GE2

150-ton sandstone treatment spread

- Manitowoc 4000W crane
- 48-inch churns and treatment frames





3. Participating equipment and vessels

Flat scows

Charles, Stanley and FRPD 5, with other barges used as required

On-site tug

Trident Warrior, onsite during all operational periods.

Disposal towing

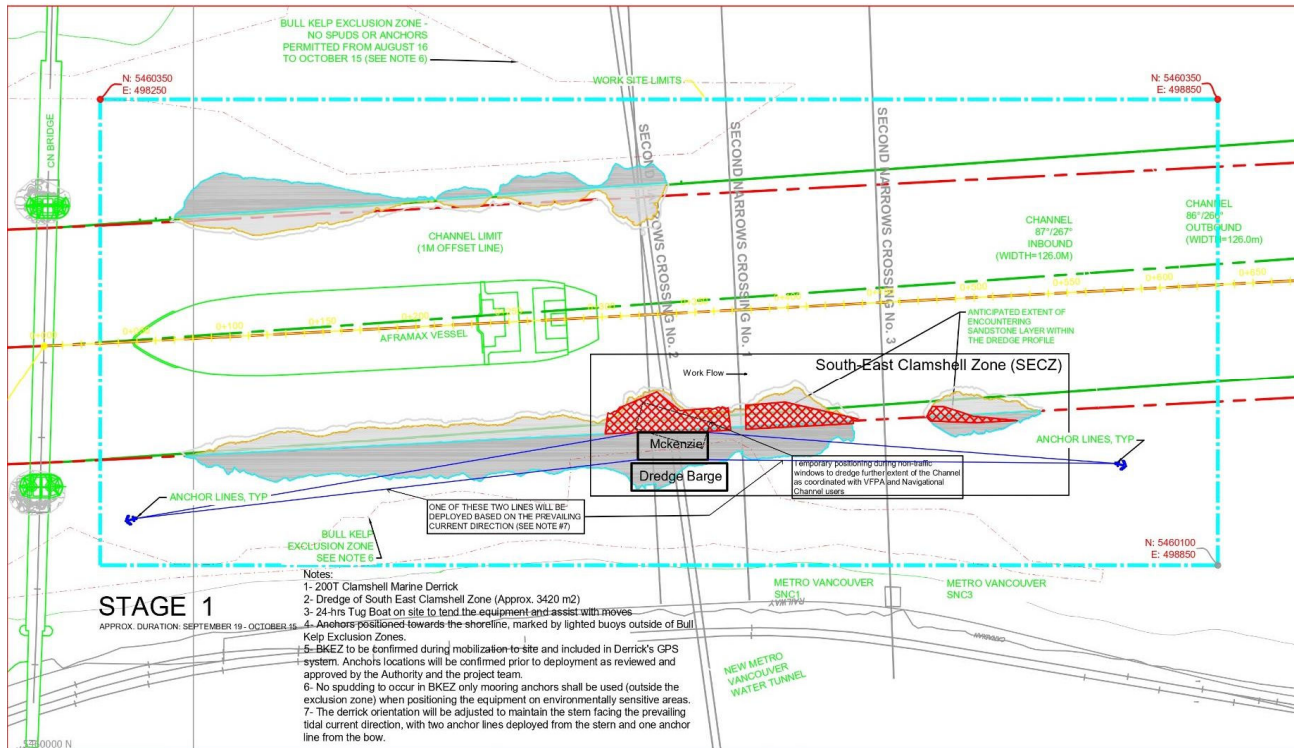
Mercury Launch & Tug and/or Trident Navigation

Other vessels

Survey boat, crew access vessel and diving support as required

The MCP and MCSP will be updated if the designated vessels change.

4. Activities taking place - Stage 1

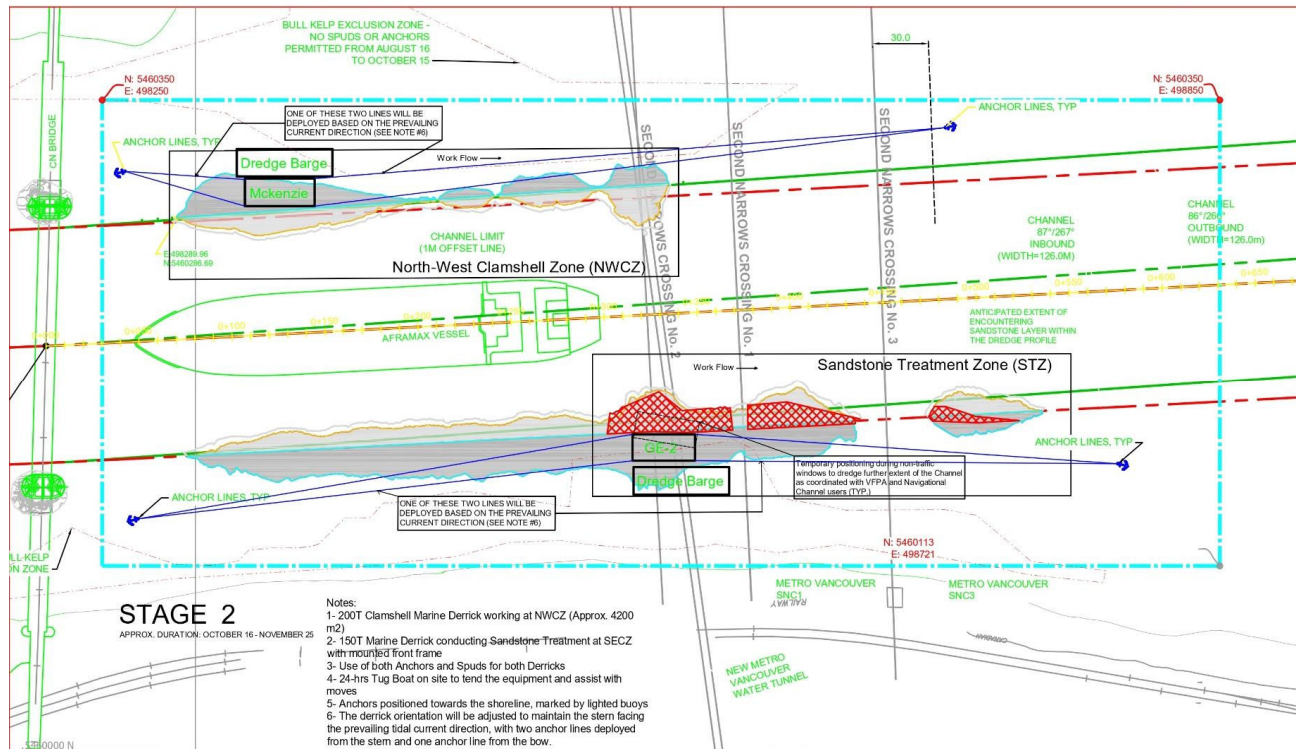


Pre-dredge and initial clamshell dredging

- Slow bell requested during this Stage
- Pre-construction survey and installation of the initial mooring arrangement
- McKenzie positioned in the sandstone treatment area for pre-dredging
- Material barge secured alongside the dredging derrick

All equipment and anchors will remain outside the navigation channel unless VFPA provides prior permission.

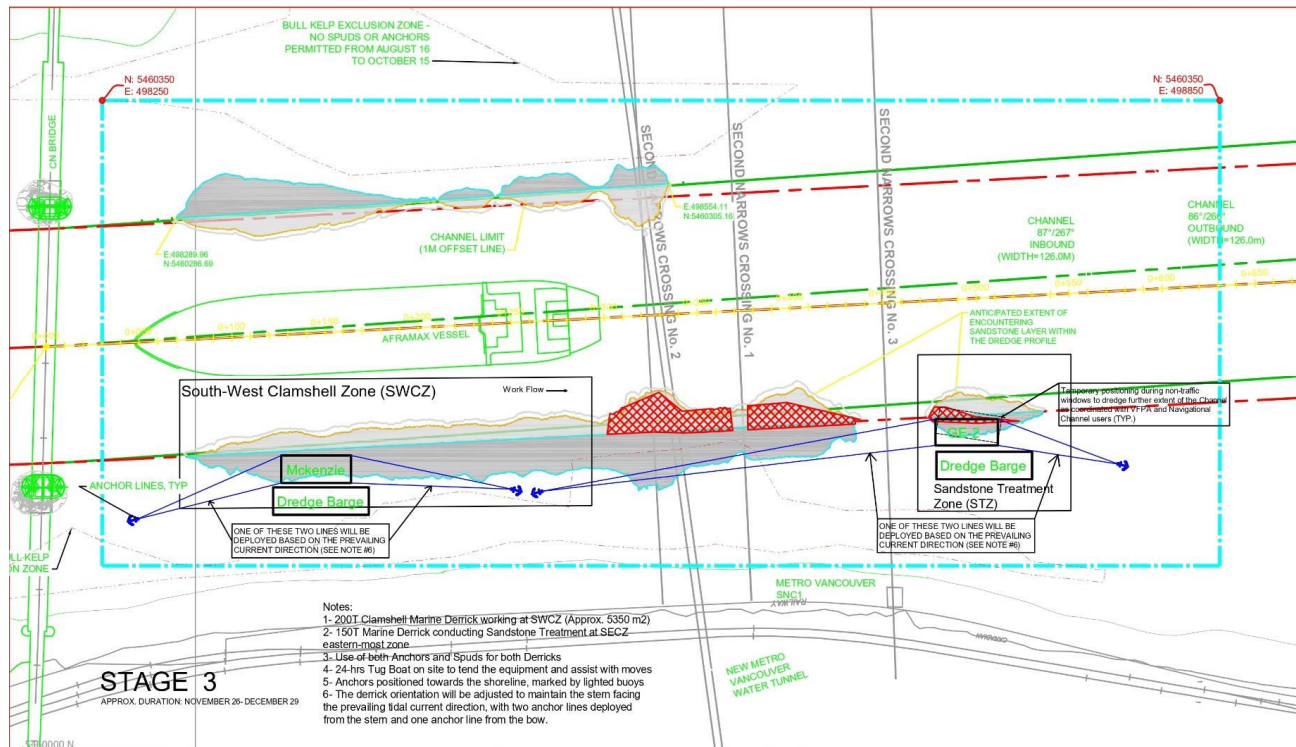
4. Activities taking place - Stage 2



Clamshell dredging and sandstone setup

- Slow Bell requested during this Stage
- McKenzie continues clamshell dredging outside the navigation channel
- GE2 mobilizes and sets up for sandstone treatment
- The two spreads operate in separate, coordinated work areas
- GE2 will be required to intermittently position within the navigation channel (during non-traffic windows) during this Stage

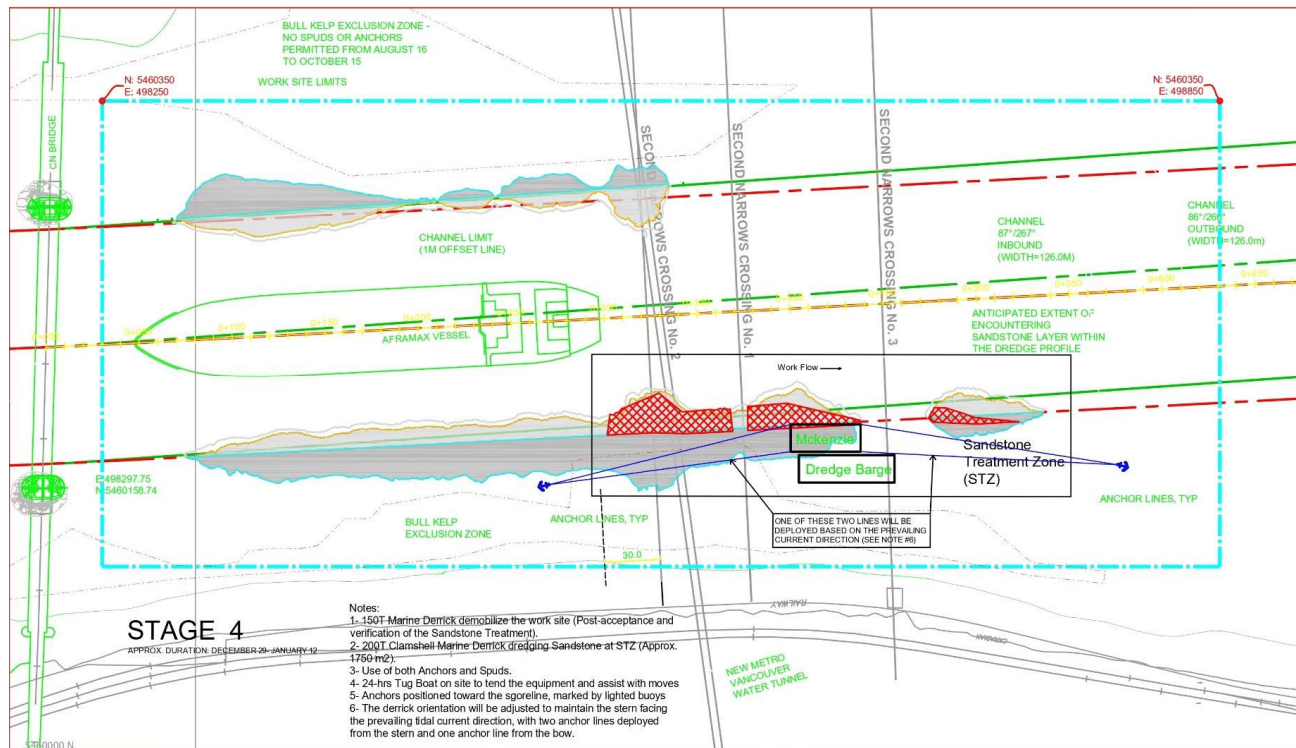
4. Activities taking place - Stage 3



Concurrent dredging operations

- Slow Bell requested during this Stage
- Clamshell dredging continues in the remaining dredge areas
- GE2 completes sandstone treatment within its planned work zone
- Barge swaps and derrick moves are coordinated with marine traffic
- GE2 will be required to intermittently position within the navigation channel (during non-traffic windows) during this Stage

4. Activities taking place - Stage 4



Final dredging and verification

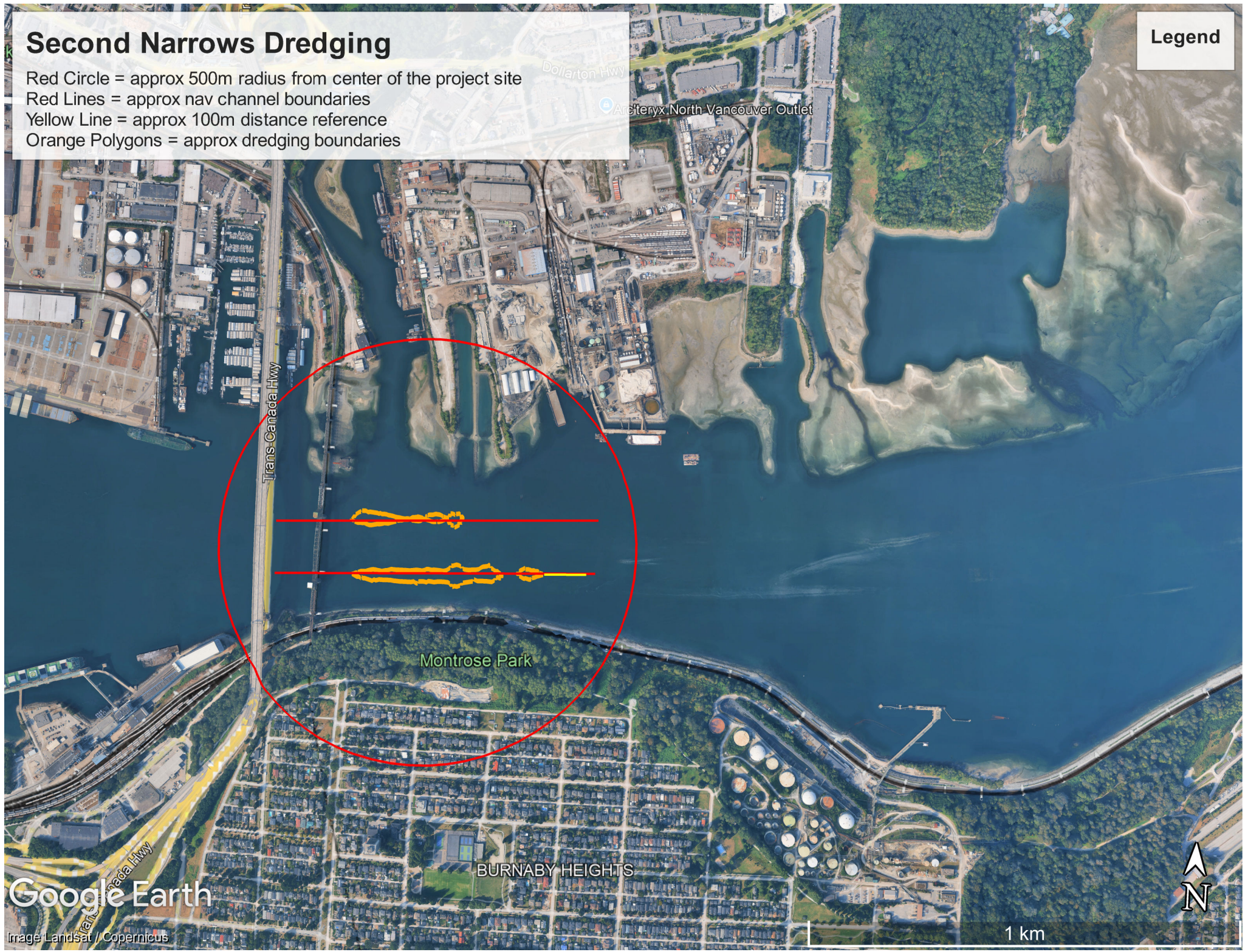
- Slow Bell requested during this Stage
- Final dredge passes completed to achieve the required elevations
- Boulder recovery and placement completed as required
- Post-dredge survey completed before demobilization

All equipment and anchors will remain outside the navigation channel unless VFPA provides prior permission.

Second Narrows Dredging

- Red Circle = approx 500m radius from center of the project site
- Red Lines = approx nav channel boundaries
- Yellow Line = approx 100m distance reference
- Orange Polygons = approx dredging boundaries

Legend





5. Frequency of equipment transits

Material barges

Each barge is expected to take approximately 2 to 3 days to load. A loaded barge will depart for Mercury Ramp and an empty barge will return as part of the normal rotation. Material barges will be temporarily secured at the offsite anchor to accommodate transit times and coordination. Barges will be removed from site and staged when flow, weather, or other environmental conditions do not permit safe mooring.

Marine derricks

The McKenzie and GE2 will transit to site for mobilization and move between work stages as required. The marine derricks will be removed from site and staged when flow, weather, or other environmental conditions do not permit safe mooring.

Support tug

The Trident Warrior (or equivalent) will remain onsite during all operational hours.

Movement timing will be coordinated with MCTS and affected marine users. Loaded barge movements may be held until vessel traffic permits safe transit.



6. Preferred method of communication

Primary site channel

VHF 69

Support tug / towing

VHF 69 and 74

MCTS monitoring

VHF 12 and 16

Advance notice

NAVWARN, email updates and VFPA scheduling system

- FRPD and Trident will coordinate barge movements with MCTS under TCZ-2 procedures
- FRPD will provide updates as the work progresses or when the planned activity changes



7. 24-hour emergency contact information

FRPD 24-hour emergency contact

604-522-7971

Project contacts

Justin Pilgrim, Senior Project Manager 604-818-8946

Ryan Pilgrim, Site Superintendent 604-374-6321

VFPA 24/7 Operations Centre 604-665-9086



8. Proposed recurring meeting frequency

Monthly

- Next meeting on September 18 at 1000 and reoccurring monthly after that
- Meeting distribution list (same group as this Kick Off meeting)



9. Questions

Questions?