Meydenbauer Bay Yacht Club

SHARP Report — Part 1 of 2

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• SHARP first SHARP	v2024.04.29	Ecology Info	
• SHARP rating	High	ERTS	731638
• SHARP date	08/01/2024	CSID	17093
• EJFlagged?	⃠ - No Override	FSID	10064
• LD confidence level	high	VCP	None
• Cleanup milestone	initial investigation	UST ID	None
• SHARPster	Jing Liu	LUST ID	None

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	medium	multiple chemical types	⃠
Groundwater	C3	low	risk to off-site people	⃠
Surface water	A1	low	climate change impacts	✔
Sediment	A1	high	plant/animal tissue data	⃠
Soil	B2	low		

Location and land use info

9927 Meydenbauer Way SE, Bellevue, King County, 98004

Primary parcel	312505HYDR; 3125059008
Land use	mixed use
Responsible unit	NWRO

Sources reviewed

1. Meydenbauer Bay Yacht Club Maintenance Dredging Evaluation Validated Data provided by Laura Inouye from Ecology's SEA Program through an email on June 4, 2024.
2. Sampling and Analysis Plan prepared by Anchor QEA, February 2023

Primary census tract	Associated census tracts
53033024000	none

Local demographics comments

no comments

Source/source area description

The City of Bellevue owns a stormwater outfall that discharges into the lake south of Dock 1. Additionally, there is one stormwater and one sewer discharge point located north of Dock 3, and one stormwater discharge point near Dock 2. These discharges are likely contributing to the contamination of sediment. If the pilings and docks in the marina were creosote treated timber, they could also be a source of the contaminated sediment. The facility operates under an Aquatic Plant and Algae Management General Permit. It appears that aquatic pesticides have been applied at the site to control the growth of aquatic plants and algae in the marina. Mishandling or spills of the pesticide may result in sediment contamination. No soil or groundwater data has been collected from the upland portion of the Marina, so it is unclear whether there are any potential sources on the upland portion contributing to the sediment contamination.

Soil comments

No soil data has been collected at the Site

Groundwater comments

No groundwater data has been collected at the Site.

Surface water comments

No surface water quality data is available within the marina basin.

Sediment comments

The data collected in September 2023 to determine the suitability of open water disposal for the proposed maintenance dredging at this Site were compared against the chemical benthic criteria of SCO and CSL for freshwater sediment (Table VI of SMS), and the results indicate

- Metals detected but below SCO
- Phalates, pesticides and PCBs detected above SCO but below CSL
- Total PAHs detected above CSL (Additional information can be seen from Overflow)

Indoor air comments

There is no air data, and it's not likely to be an issue at this site.

Additional factors comments

no comments

Site history

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The Site is located at 9927 Meydenbauer Way SE in Bellevue, immediately adjacent to Lake Washington. The upland portion of the site has parcel # 3125059008, owned by Meydenbauer Bay Yacht Club. The in-water portion of the marina is part of parcel # 312505HYDR, owned by the State and managed by DNR. The Site has been used as a yacht club since its establishment in 1946, offering covered and uncovered moorage for various recreational vessels. The most recent marina-wide maintenance dredging event was recorded in the 1960s. According to the Sampling and Analysis Plan prepared by Anchor QEA, February 2023, three dredging events occurred in a localized area adjacent to the outfall. Approximately 150 cubic yards of material were dredged in 1997 and disposed of in an upland landfill due to its ineligibility for open water disposal. Two additional dredging events occurred in 2014 and 2017, but no additional testing was conducted as part of these events.

Overflow - Site contamination and cleanup history

(Continued from Sediment Comments)

The data collected in September 2023 to determine the suitability of open water disposal for the proposed maintenance dredging at this Site were compared against the chemical benthic criteria of SCO and CSL for freshwater sediment (Table VI of SMS), and the results indicate

- Metals detected but below SCO
- Phalates, pesticides and PCBs detected above SCO but below CSL
- Total PAHs detected above CSL

There is no chemical benthic criteria for dioxin/furans under SMS. The highest detected concentration among the three composite samples is 51.8 ng/kg TEQ, significantly exceeding both the SMS Marine Sediment Natural Background concentration and the DMMP Disposal Site Management Objective, which are both set at 4 ng/kg TEQ.

Meydenbauer Bay Yacht Club

17093 Meydenbauer Bay Yacht Club 20240801
First SHARP
SHARP rating — High

SHARP Report — Part 2 of 2

Conceptual site model
08/01/2024

SHARP