



February 28, 2024

Macnak Construction

TD Kalauokalani King –
12802 Bridgeport Way SW
Lakewood, WA 98499
tdking@macnak.com

Project: **Addendum B:
-LGS Responses to State of Washington Department of Ecology Email and Phone
Correspondence for Further Action prior to Opinion.**

*Nikolich Property
3807 & 3809 Harborview Drive
Gig Harbor, WA 98335
Facility/Site ID: 20826*

Dear Mr. King:

Lombardini Geological Services (LGS) has prepared this Addendum B to respond to the State of Washington Department of Ecology Email and Phone Correspondence which has been ongoing since the opinion letter March 20, 2023. LGS has submitted the Addendum A and Ecology has reviewed and is requesting the following scope; 1) Verify locations for B8 and B9 that identified Gas and Diesel in B8 and Oil in B9 for confirmation samples, 2) Clarity on revised Figure 1 Confirmation Sampling Map with Geological Cross Sections A-A' through L-L', and Cross Sections Scale from the LGS Cleanup Action Report 7.1.2022, and 3) further testing in four locations, one upland and three in the nearshore sediments. LGS will discuss these below.

- 1) Verify locations of B8 and B9 were approximately the same location as previous studies performed by others.
 - LGS has reviewed the former pictures from Robinson Noble's Subsurface investigation and compared the locations represented in the attached photo log. LGS mobilized to the site to take additional measurements and pictures to corroborate the locations for accuracy. The outcome is that LGS and Robinson Noble samples were 2-4' apart from each other and were representative of the difference natural attenuation had occurred in that specific location from 2014 to 2022.
 - The locations are verified in relative proximity to identifiable flora/fauna present that is more mature in age but in the same relative position.
- 2) Ecology recommended revising Figure 1 Confirmation Sampling Map with Geological Cross Sections A-A' through L-L', and Cross Sections Scale from the LGS Cleanup Action Report 7.1.2022.
 - These edits will be reflected in the resubmitted Cleanup Action Report by LGS. LGS will submit this along with the past reports that were not received/uploaded to Ecology.
- 3) Ecology has preliminarily reviewed the Addendum A, which mainly revised the Conceptual Site Model, which in turn changed the Further Action needed. The following description reflects the change in Further Action requested for a full opinion on the Site.
 - One upland soil sample in B-8/B-9 area of the ash/cinder layer at the surface for dioxin/furans.



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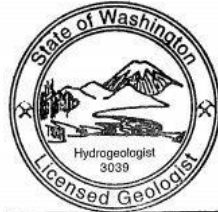
- Three near shore sediment samples from 1-7", east of: B-8 -for CPAH, TPHGX, TPHDX, B-9/SS-16 – for CPAH, TPHOx, and B-10/SS-15 – for CPAH

LGS will send the analytical results in the form of a Technical Memorandum of the findings once the field work is complete.

If you have any further questions or would like to discuss this project, please feel free to give us a call.

Sincerely,

Shawn Lombardini LHG, RG, PG
Principal Hydrogeologist
Lombardini Geological Services LLC



Shawn Lombardini



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SITE PHOTOGRAPHIC RECORD

3807 & 3809 HARBORVIEW DRIVE
GIG HARBOR, WA
LGS PROJECT #21-137
FEBRUARY 27, 2024

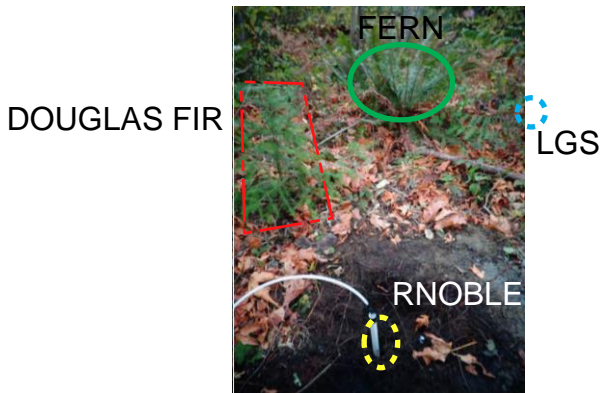


Photo #1: Robinson Noble B8, note Douglas Fir seedling on left above tubing and fern top of photo.

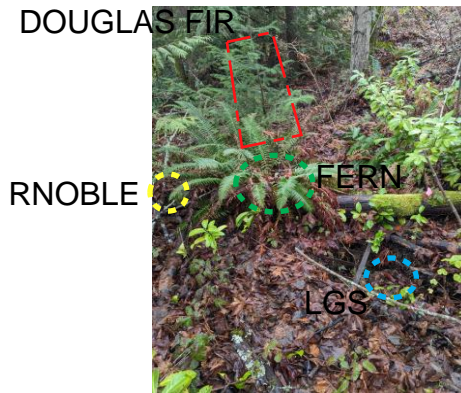


Photo #2: Notice fern in center and Douglas Fir seedling double the height of the fern. Sample location is within ~4' of original location.



Photo #3: Robinson Noble B9 2014, Note flag on right. Notice heavy ferns, with ivy, and dense shadows to left (Cedar stand)

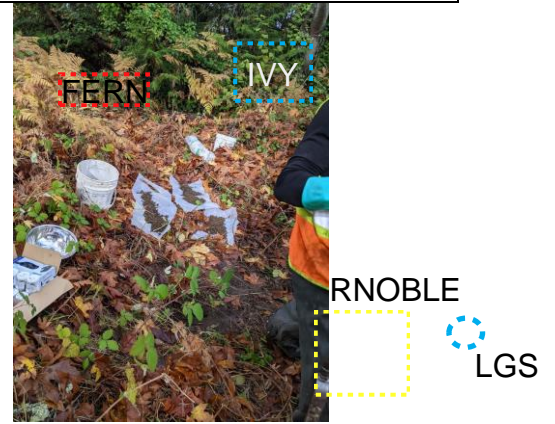


Photo #4: LGS sample location notice ferns and ivy on dense western red cedar stand on left.

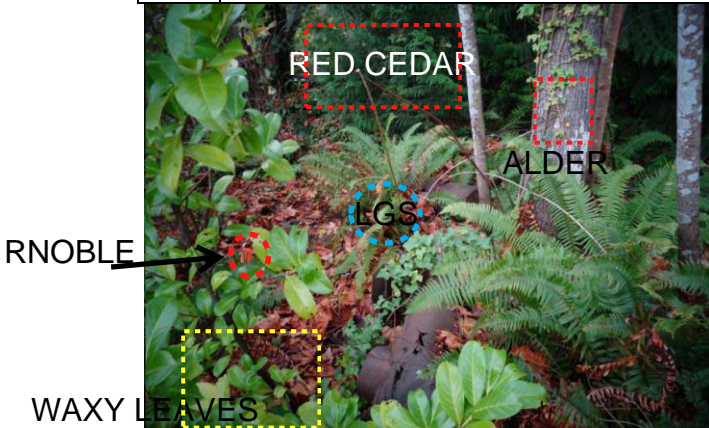


Photo #5: Robinson Noble B9 2014, note red cedar in background, waxy shrub on left, mature alder on right. Note pink flag in between waxy leaves.

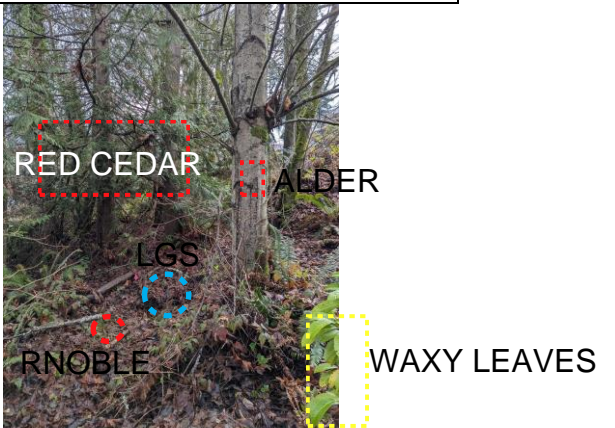


Photo #6: Same waxy leaves on right, main alder deciduous tree and red cedar grove in background. Picture from left of waxy leaves. ~2' from previous boring.