



WORK SESSION AGENDA

BOARD OF CLALLAM COUNTY COMMISSIONERS

223 East 4th Street Room 160

Port Angeles, Washington

Monday, March 20, 2023 – 8:30 a.m.

Board of Clallam County Commissioner meetings will also be available virtually at:

If you would like to participate in the meeting via Zoom audio only, call 253-215-8782 and use meeting ID: 875 561 7844 and passcode: 12345

If you would like to participate in the meeting via Zoom video conference, visit <https://zoom.us/j/8755617844> and use meeting ID: 875 561 7844 and passcode: 12345

This meeting can be viewed on a live stream at this link: <https://www.clallamcountywa.gov/669/Live-Archived-Meetings-Online>

Public comment can be directed to the Clerk of the Board at 360-417-2256 or Loni.Gores@clallamcountywa.gov

Administration ? 8:30 a.m.

1. Calendar/Correspondence
2. Discussion on organizing Innovation Cluster Accelerator Program ICAP and Recompete Discussion 
Item 2 additional document - submitted after agenda was posted on 3-16-23 
3. Discussion and next steps for the Associate Development Organization designation
4. Discussion regarding Slip Point Light Station
Discussion 
5. Agreement amendment #1 with Washington State Administrative Office of the Courts for technology and retreat
Agreement amendment 1 
6. Resolution closing the Noxious Weed Control Board Petty Cash Fund
Resolution 
7. Purchase order with CDW-G for Cisco technology needs
Purchase order 

8. Agreement amendment 1 with United Way of Clallam County for American Rescue Plan Act Funds ARPA

Agreement amendment 1 

9. Land purchase agreement with Sue and Thomas Bond for the Emergency Operations Center

Land purchase agreement 

10. Emergency Operations Center update and next steps

Discussion and Next Steps 

11. Request to lease 325 1/2 West 2nd Street, Port Angeles for the Harm Reduction Health Center Services

Request 

12. Request for waiver Bid/RFP/Quote Requirement with Pacific Office Equipment for HHS office furniture

Request 

Community Development

13. Briefing and notice of hearing to be held Tuesday, April 11, 2023 at 10:30 a.m. for an Ordinance title Signs

Briefing and notice for hearing 

Public Works

14. Dungeness Off-Channel Reservoir Project update

Update 

Board of Commissioners

15. Letter of support for House Bill 1628 Affordable Homes Act (1c)*

Letter 

16. Legislative Session update

Update 

Department of Natural Resources - 1 p.m.

? Quarterly income report

Report 

General Discussion/Items for Future Agendas

- A. Department of Natural Resources Meeting (March 20 at 1 p.m.)
- B. Marine Resources Committee project update (March 27)

- C. Joint Meeting with City of Sequim (March 27 at 5 p.m. at the City of Sequim)
- D. Feiro Marine Life Center Update (April 3)
- E. Joint Meeting with Port of Port Angeles (April 24 at 11 a.m. at Port)

EXECUTIVE SESSION

The Board may recess into Executive Session to consider employment or dismissal of personnel, to review the performance of a public employee, to consult with legal counsel, to consider the position to be taken in collective bargaining, to consider acquisition or sale of real estate, or other matters per RCW 42.30.110

- Other items may be added at the discretion of the Board and additional Work Sessions may be scheduled if more time is needed to allow for adequate discussion.
- Written testimony presented by members of the public during the Board meeting is considered a public document and must be submitted to the Clerk of the Board.
- Copies of public documents from Board meetings are available by contacting the Public Records Department.



AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

MAR 20 2023

@ 8:30am

Department: BOCC

WORK SESSION ☒ Meeting Date: 3-20-23 – 8:30 a.m.

REGULAR AGENDA ☐ Meeting Date:

Required originals approved and attached? ☐
Will be provided on:

Item summary:

- | | |
|---|---|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # |
| ☐ Resolution | ☐ Proclamation ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance ☒ Other – Discussion |

Documents exempt from public disclosure attached: ☐

Executive summary:

Organizing for ICAP and Recompete:

Two complex "workforce-related" programs are being rolled out this year in a competitive regional process. One is called "ICAP" (Innovation Cluster Accelerator Program) and is being administered by the WA Dept. of Commerce while the other is called "Recompete" which is the result of federal legislation championed by Rep. Derek Kilmer. The purpose of today's discussion will be to review the goals of these two programs and begin to organize our priorities and potential organizational approach to making application. We will review application deadlines, discuss who is best-positioned to provide leadership with each program and discuss plans for local and regional organization.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
None.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

Discussion and next steps.

County Official signature & print name: Loni Gores Loni Gores, Clerk

Name of Employee/Stakeholder attending meeting: Board of Commissioners, Karen Affeld, Colleen McAleer and Suzy Ames

Relevant Departments: Board of Commissioners

Date submitted: 3/8/23

- * Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

ICAP and Recompete 3-20-23
Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256

3-16-23



NRIC

Natural Resources Innovation Cluster

Infusing Innovation For A Sustainable Future

Presentation to the Board of Clallam County Commissioners

March 20, 2023

Agenda

- Introduction – Colleen McAleer, Clallam EDC
- Envisioning NRIC – Dan Underwood, Ph.D., Olympus Consulting
- Industry-Driven Workforce Training – Suzy Ames, E.D., Peninsula College
- Building Panels – Dave Walter, CEO, Composite Recycling Technology Center (CRTC)
- Potential Investments – Colleen McAleer, Clallam EDC
- Benefits Summary – Colleen McAleer, Clallam EDC
- Questions

Introduction

Introduction

- Legacy Industry – Infusing innovation into a major County industry.
- Competitive advantage – one of the best timber growing regions in the world.
- Housing needs statewide are estimated at 1.1M units by Commerce.
- Timber is a renewable resource, and therefore sustainable.
- Maximize benefits from the resource while minimizing waste.
- Our State & Local Municipalities have recognized the critical need for affordable housing and are changing codes and laws to allow for more ADUs.
- Employment targets our *existing* residents *not* in the labor force.
- Targets employment that pays a Prosperity Wage.

Organizations that have participated

- Industry:

- CRTC - Composite Recycling Technology Center

- Makah Tribe

- SGTM - The Sustainable Green Team

- Port Angeles Hardwood

- Hermann Brothers Logging & Construction

- Hays Architects

- Brix Marine

- McKinley Paper

- Supportive Partners:

- Peninsula College & Sequim School District (Career Tech Education)

- Impact Washington

- First Federal Bank

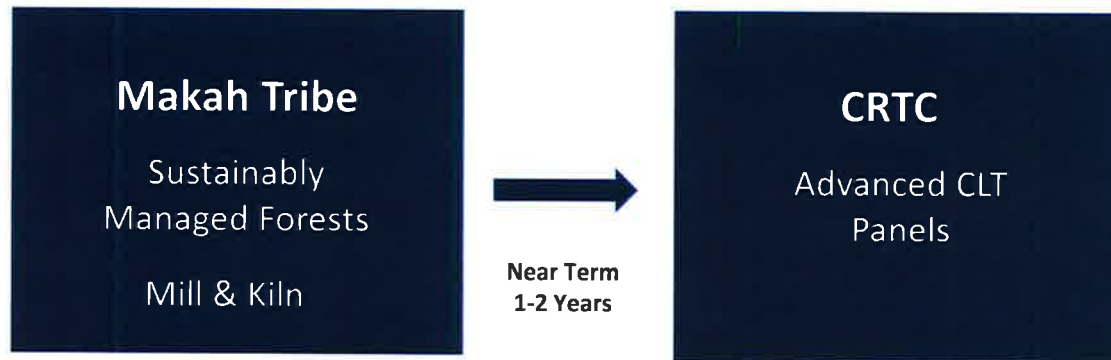
- Port of Port Angeles

- Clallam County EDC

Envisioning NRIC

Thinking About Sustainable Innovative Pathways and Prosperity for Prime Age Workers and Our Youth

Value Added Jobs + Wages



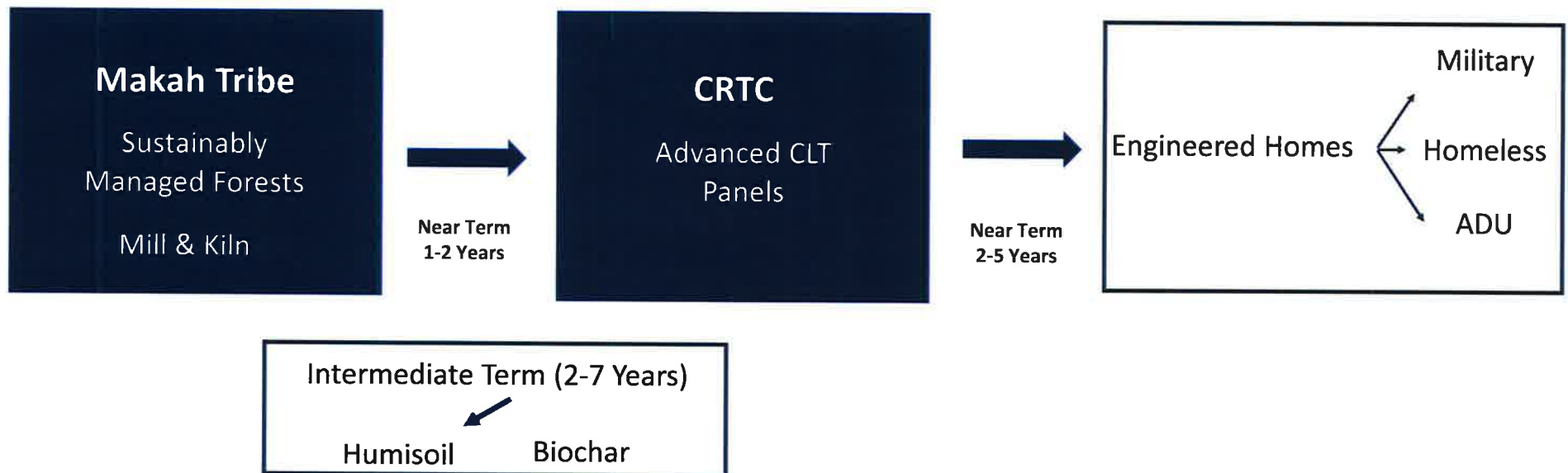
Thinking About Sustainable Innovative Pathways and Prosperity for Prime Age Workers and Our Youth

Value Added Jobs + Wages



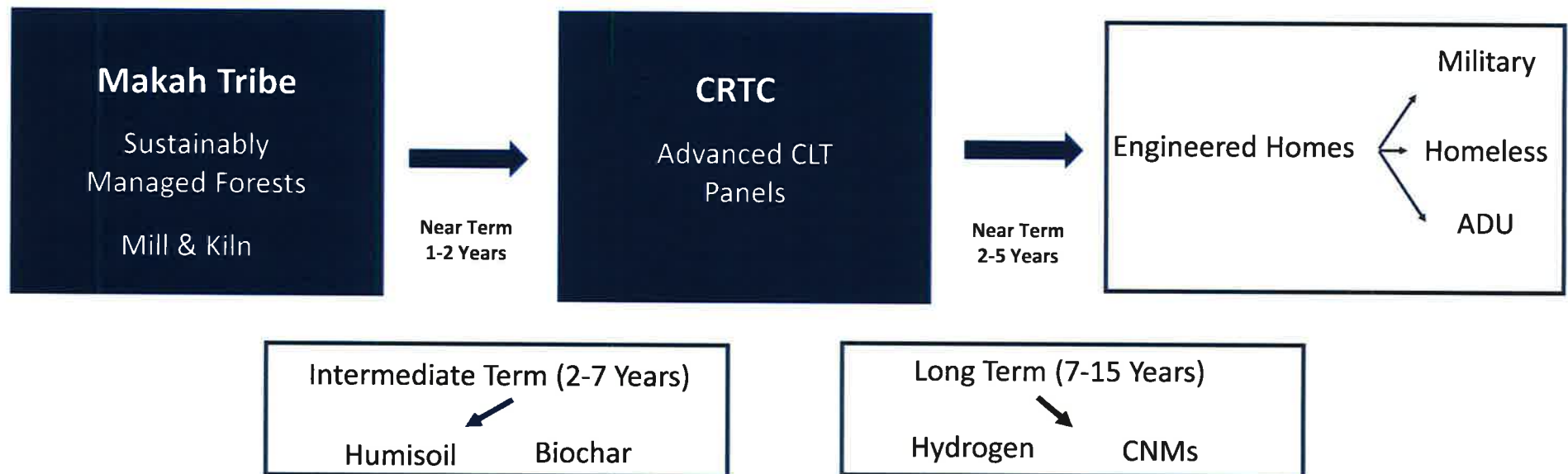
Thinking About Sustainable Innovative Pathways and Prosperity for Prime Age Workers and Our Youth

Value Added Jobs + Wages



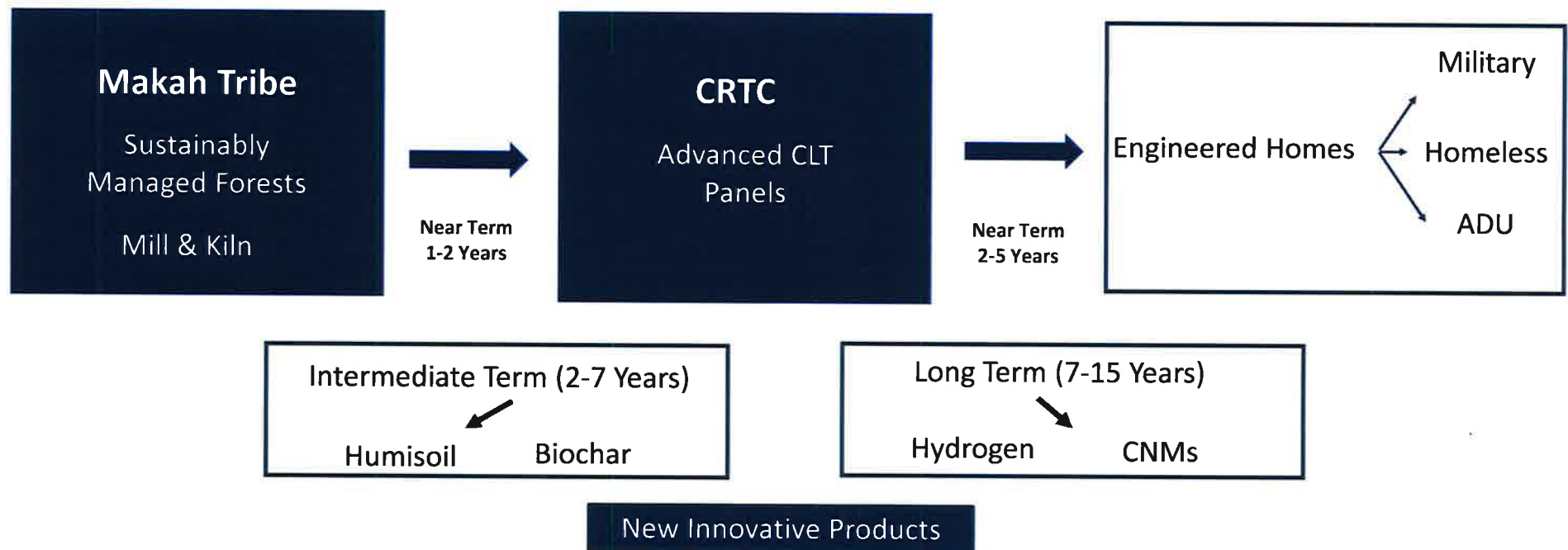
Thinking About Sustainable Innovative Pathways and Prosperity for Prime Age Workers and Our Youth

Value Added Jobs + Wages



Thinking About Sustainable Innovative Pathways and Prosperity for Prime Age Workers and Our Youth

Value Added Jobs + Wages



Carbon Sequestration + Substitutes for Carbon Intensive Materials + Soil Amendments + Green Energy + Local Prosperity

Natural Resource Innovation Employers

At Present		
Employer	Employees	Sustainable Innovation Focus
Makah Tribe	23	Harvesting Western Coastal Hemlock on Tribally Owned Lands
CRTC	32	Development of Advanced Cross Laminated Timber Panels for Military & Shelters
McKinley	195	Recycling Cardboard & Clean Energy Generation
Evergreen Fiber	9	Bioenergy & Materials
Near-Term		
Employer	New Employees	Planned Sustainable Innovation Focus
Makah Tribe	11	Harvesting & Milling Western Coastal Hemlock on Tribally Owned Lands
CRTC	32	Manufacture of Advanced CLT Panels
Sustainable Green Team	30	Collection of local organic materials to create Humisoil®
Present & Near-Term Total	332	

Natural Resource Innovation Employers

Potential	
Employer	Sustainable Innovation Focus
TBD Manufacturing Facility	Manufacturing ADUs from A-CLT Panels
Local Small Business Suppliers for Interior ADU Components	Integrating Sustainable Innovative Products Locally
Construction Firms to Assemble ADUs	Affordable Housing Using Renewable and Recycled Materials
Natural Resource Innovation Center	Potentially Co-located with CTRC at Facility
Peninsula College	Workforce Training and Industry Focused Certificates

- New Businesses in NRIC will provide employment at prosperity wages.
- This will increase opportunities for businesses in the supply chain.
- Both of these changes will create niches for entrepreneurs and proprietors
- All of these above will create prosperity that increases the demand for goods and services in Clallam County that stimulates additional business and employment opportunities.

Industry-Driven Workforce Training

Industry-Driven Workforce Training

- Prepare our residents for entry into the innovative natural resources labor force.
- Income progression to achieve a prosperity wage.
- Industry will identify the specific knowledge and skills required for employment.
- Develop partnerships with local high schools and Peninsula College to make this happen.
- Certificates, internships and on-the-job-training will be part of the process.

Building Panels

Timber

- Formed relationship with Makah Tribe for timber supply
 - Working together to build a sawmill in Neah Bay by mid-2023
 - Mill will supply dimensional lumber to the CRTC for the construction of ACLT panels
 - They can also supply milled lumber to other buyers
 - Value added milling can significantly increase revenue to the Tribe

Thermal Modification

- Heat to 400F without oxygen
- Stabilizes wood at < 7% moisture
- Provides pressure treated performance without chemicals
- CRTC has purchased a unit; arrives this summer.
- The only one in WA State.
- Will make Clallam County a hub for wood innovation!
 - Building panels
 - Decking
 - Siding
 - Logs for log homes
 - Wood for musical instruments



ACLT

- Advanced Cross Laminated Timber
- Timber + innovation
- Patent pending
- Thermally modified Coastal Western Hemlock
- Adds recycled carbon fiber to increase strength
- Makes for a very robust and stable wall panel
- 240 sf home can go up in 3 days
- Creates affordable, accessible and durable homes



Carbon fiber strips
In full length of panel

ACLT

- Targeting 4' x 4' panels
- Easier to handle through value chain
- Standard CLT panels can be very large and heavy
- Requires heavy equipment for manufacturing & install
- Full scale CLT factory might cost \$100M CAPEX
- ACLT factory will be under \$2M: 50X reduction
- Great support from the Port
- In production by the end of 2023
- 32 additional jobs when fully scaled



CLT for roof at Shore Aquatic Center

ACLT Applications

- Military housing
- ADU's
- Homeless housing - Pennies for Quarters
- Emergency Shelters
- Potential ballistics resistance
 - Military
 - Schools
 - Hospitals
 - Government buildings
- Ample room for future innovation



Potential Investments

Consortium Driven Investments

Options might include

- Infrastructure to support manufacturing facilities.
- Support for Peninsula College Workforce Training.
- Capital Investment in School District Center of Excellence facilities.
- Housing (land bank or infrastructure - water/sewer/power/broadband).
- Childcare services.
- Waterfront infrastructure investment e.g., Barging facilities.

The Future We Could Have

Benefits Summary

- Positions Clallam County as a national cluster for natural resources innovations.
- NRIC will build on our county's highest paying economic sector with 200 or more employees.
- NRIC will be the state's only cluster focusing on innovations in natural resources.
- Improves soil for farmers and reduces carbon emissions.
- Increases number of housing units.
- Launches entrepreneurial businesses.
- Can produce the energy source for resilient microgrid systems.
- Creates manufacturing jobs for *our* residents that pay a Prosperity Wage!

Questions?



AGENDA ITEM SUMMARY

4
MAR 20 2023

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: Parks, Fair, & Facilities

WORK SESSION ☒ **Meeting Date:** 3.20.23

REGULAR AGENDA ☐ **Meeting Date:**

Required originals approved and attached? ☐

Will be provided on:

Item Summary:

- ☐ Call for Hearing ☐ Contract/Agreement/MOU - Contract #
- ☐ Resolution ☐ Proclamation ☐ Budget Item
- ☐ Draft Ordinance ☐ Final Ordinance ☒ Other: *Ltr of Support- Slip Point NRHP*

Documents exempt from public disclosure are attached: ☐

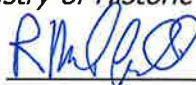
Executive summary:

The United States Coast Guard has requested that the Clallam County Board of Commissioners submit a letter of support for the inclusion of Slip Point Light Station in Clallam County to the National Registry of Historic Places (NRHP) to proceed with the ultimate conveyance of said property to Clallam County. Mr. Michael Houser, WA State Architectural Historian- Department of Archaeology & Historic Preservation, will participate virtually to answer any questions.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
The conveyance of the aforementioned property will encumber the county with significant financial capital costs associated with the renovation of the property structures and park development. Furthermore, additional annual operating and maintenance costs will be required.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

Sign the attached letter of support for The United States Coast Guard's inclusion of Slip Point Light Station in Clallam County to the National Registry of Historic Places (NRHP) on March 28, 2023.

County Official signature & print name:  Don Crawford, Director

Name of Employee/Stakeholder attending meeting: Board of Commissioners

Relevant Departments: Board of Commissioners and Parks, Fair & Facilities Department

Date submitted: 3.14.23

* Work Session Meeting - Submit 1 single sided/not stapled copy USCG Slip Point NRHP Ltr Agenda item summary-Ltr Support for Slip Point NRHP 3.283.13.23

** Regular Meeting - Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256



MARK OZIAS, District 1, Chair
RANDY JOHNSON, District 2
MIKE FRENCH, District 3

Board of Clallam County Commissioners

223 East 4th Street, Suite 4
Port Angeles, WA 98362-3015
360.417.2233 Fax: 360.417.2493
Email: commissioners@clallamcountywa.gov

RICH SILL, County Administrator

File: A72

March 28, 2023

Kebby Kelley
Deputy Chief
Office of Environmental Management
U.S. Coast Guard
2703 Martin Luther King Jr. Ave. S.E.
U.S. Coast Guard STOP 7714
Washington D.C. 20593- 7714

RE: Slip Point Light Station in Clallam County, WA inclusion in the National Registry of Historic Places

Mr. Kelley,
After reviewing the eligibility of Slip Point Light Station in Clallam County, WA inclusion in the National Registry of Historic Places (NRHP) in accordance with National Historic Preservation Act Section 302104 (54 U.S.C. § 302104) and 36 CFR Part 60 – National Register of Historic Places, the U.S. Coast Guard, we the Clallam County, WA Board of Commissioners, support this nomination.

Sincerely,

BOARD OF CLALLAM COUNTY COMMISSIONERS

Mark Ozias, Chair

Randy Johnson

Mike French

**NATIONAL REGISTER OF HISTORIC PLACES NOMINATION
SLIP POINT LIGHT STATION
CLALLAM COUNTY, WASHINGTON**

The Slip Point Light Station is under consideration for nomination to the National Register of Historic Places. It is located at Clallam Bay in Clallam County, Washington.

The National Historic Preservation Act of 1966 as amended (54 U.S.C. § 300101 et seq.) authorizes the Secretary of the Interior to expand and maintain a National Register of districts, sites, buildings, structures, and objects significant in American history, architecture, archaeology, engineering, and culture. Federal agencies are charged with identifying, evaluating, and nominating such properties under their control to the National Register of Historic Places (NRHP).

The U.S. Coast Guard has completed a draft NRHP registration form for this property. It has been sent to the Washington State Historic Preservation Officer (WA SHPO) for formal review and comment concerning the Coast Guard's position that the Slip Point Light Station is eligible for inclusion in the National Register. Pursuant to implementing regulations 36 CFR 60.9, we are notifying local officials and others who may have an interest in the property and inviting them to comment on the nomination. The comment period is forty-five (45) days. The property is described below:

Site name and location:

- Slip Point Light Station.
- Located at the Slip Point promontory in the northeastern part of Clallam Bay, approximately 42 miles west of the city of Port Angeles. The property's address is 663 Frontier Street in the community of Clallam Bay.

Point of contact:

- **Commandant (CG-47)**
Attn: Office of Environmental Management
U.S. Coast Guard Stop 7714
2703 Martin Luther King Jr. Avenue SE
Washington, DC 20593-7714

Summary statement of physical characteristics:

The Slip Point Light Station occupies a land parcel amounting to approximately 23.6 acres on the northern shore of the Olympic Peninsula and adjacent to the Strait of Juan de Fuca and Clallam Bay. It includes terrain that may be categorized into three environmental zones. One zone consists of approximately 7.6 acres of steeply sloping forested upland terrain associated with the Slip Point promontory. This zone is in the northern portion of the property and rises to an elevation of approximately 513 feet above sea level. Another zone amounting to

approximately four acres contains level to gently sloping terrain and lies south of the Slip Point promontory. It is largely clear and generally from 10 to 15 feet in elevation. The third environmental zone contains intermittently inundated tideland between the limits of high and low water. It amounts to approximately 12 acres and adjoins the shorelines of the other two zones.

All three environmental zones contain cultural resources that contribute to the Slip Point Light Station's history. The Slip Point Lighthouse archaeological site is designated number 45CA00830 in the Washington Department of Archaeology and Historic Preservation (DAHP) archaeological inventory. Features associated with it are situated in the Slip Point promontory and tideland environmental zones. They include ruins of the Slip Point Lighthouse (fog signal building built in 1904 and light tower built in 1916), a collapsed retaining wall, and concrete piers that supported an elevated walkway used to access the lighthouse. The property's southern environmental zone contains light station buildings. These include a duplex keepers dwelling built in 1905 and identified in the DAHP inventory as 45CA250, paint locker shed built in 1905, garage built in 1931, compressor building built in 1951, electronics shop building built in 1952, and flagpole built in 1956.

The light station property also contains a Native American Indian settlement location and graveyard associated with DAHP archaeological inventory site number 45CA00221. This predates the Federal government ownership of the property and was not in active use during the light station's period of operation. The settlement and graveyard are discussed in the Slip Point Light Station's NRHP nomination and designated as a non-contributing resource.

Summary statement of historical significance:

The Slip Point Light Station is associated with events that have contributed to Clallam County and Washington State history. It has historic significance as representative of the Federal government's long-term program to promote safe maritime navigation in regional waters. This property was established as an operating Federal aid to navigation in 1905 and was continuously manned by resident keepers until aids to navigation were automated in 1977. The Slip Point Light Station provided a beacon light and visual landmark for Clallam Bay where vessels could find safe anchorage in inclement weather while also marking a hazardous submerged ledge that extends westward from Slip Point. The lighthouse's fog signal provided an audible warning when foggy conditions restricted visibility. The Slip Point Light Station retains integrity of location and natural setting, and its contributing resources possess original design, materials, and workmanship. This property also evokes feelings mindful of the dedication and commitment to duty characteristic of America's lighthouse keepers through the course of United States History.

Map enclosed: Property location.

Photographs:

1. Distant view of the property, camera facing northeast.
2. Slip Point Lighthouse ruins, camera facing southeast.
3. Duplex keepers dwelling (built 1905).

Map: Slip Point Light Station location

Slip Point Light Station

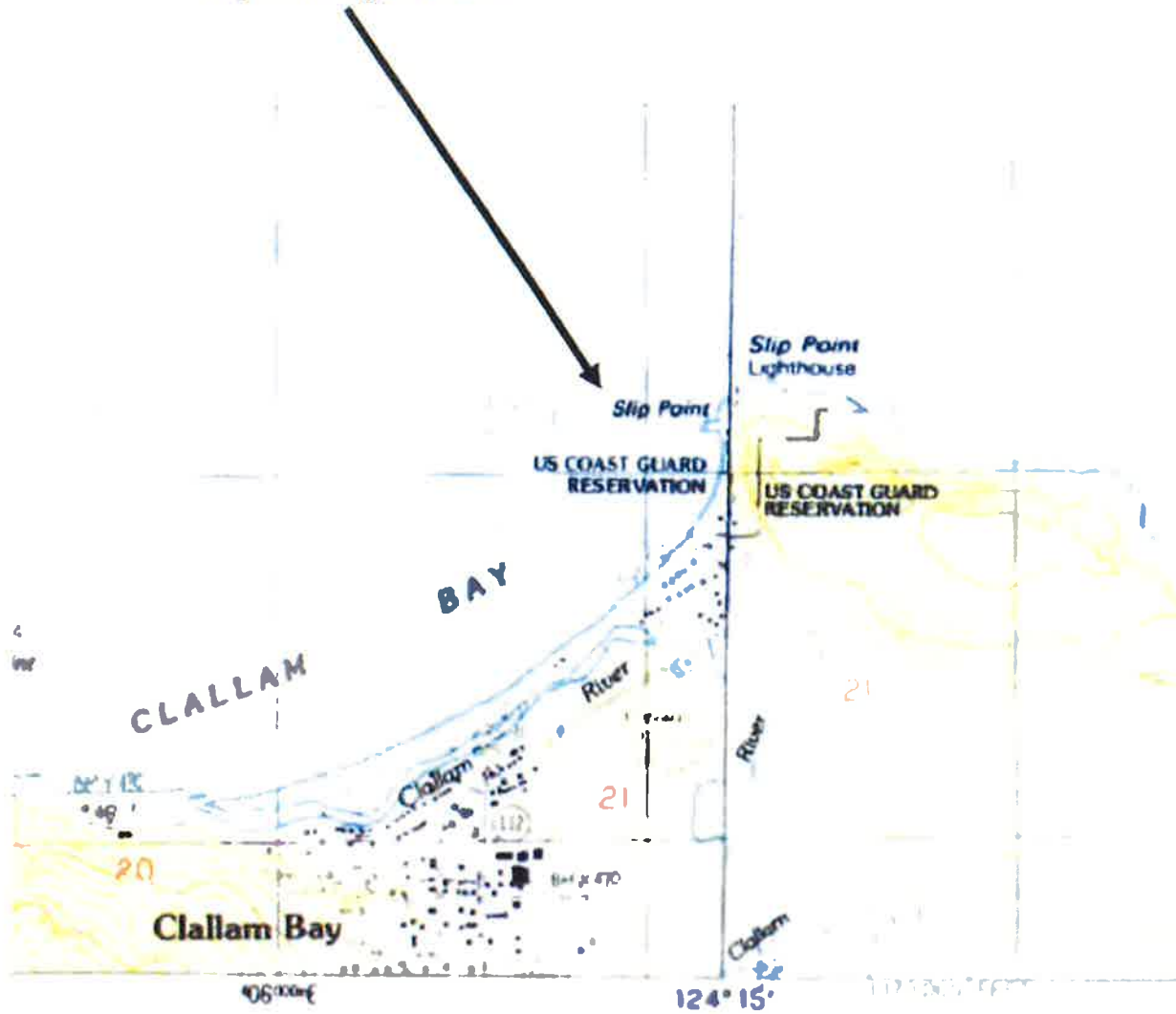


Photo 1: Distant view of the property, camera facing northeast.

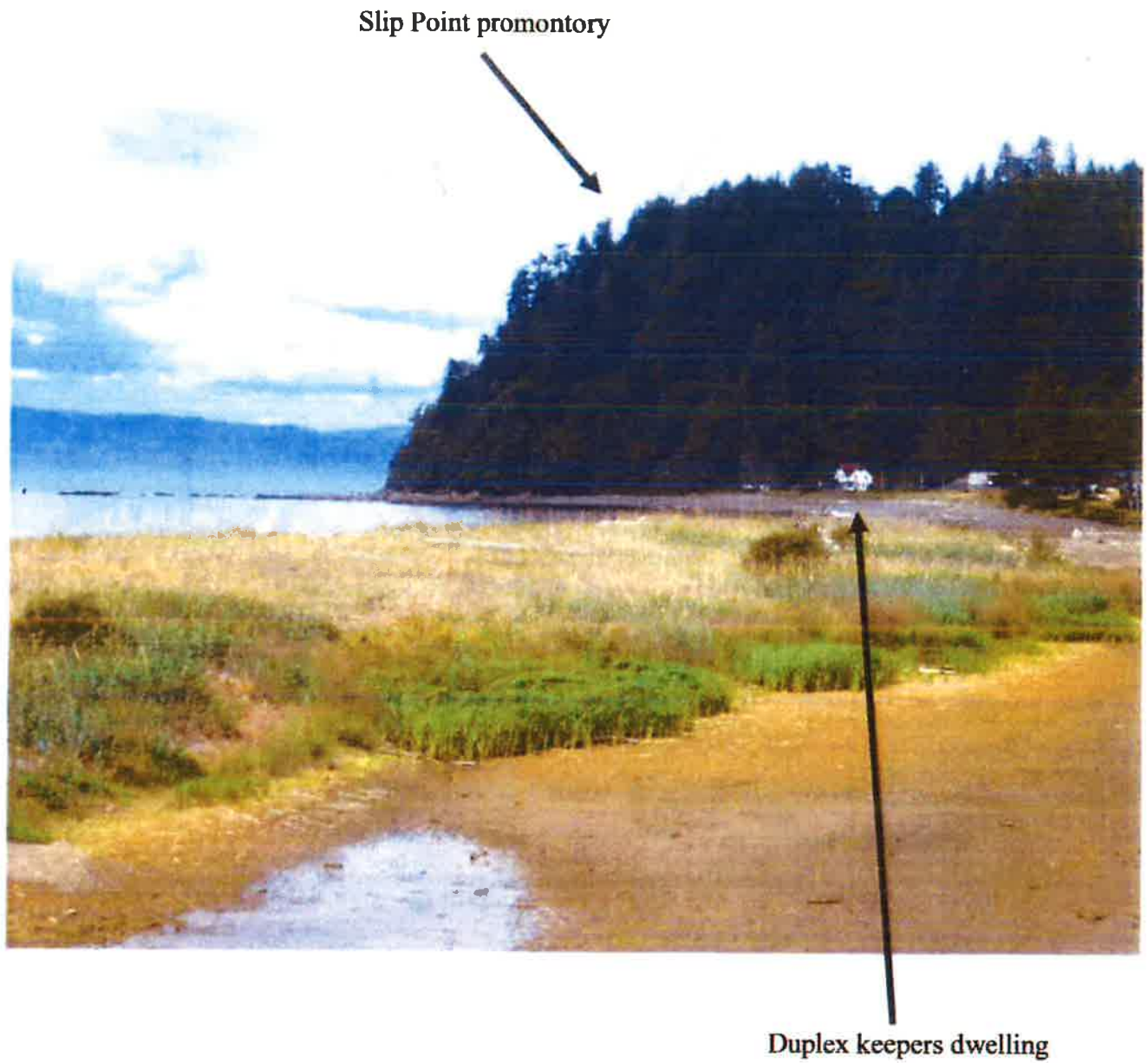


Photo 2: Slip Point Lighthouse ruins, camera facing southeast.



Photo 3: Duplex keepers dwelling (built 1905), camera facing south.



U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

2703 Martin Luther King Jr. Ave SE
U.S. Coast Guard STOP 7714
Washington DC 20593-7714
Staff Symbol: CG-47
Phone: (202) 475-5690
Email: Kebby.Kelley@uscg.mil

5090

RECEIVED
CLALLAM CO. COMMISSIONERS

FEB 09 2023

Mr. Mark Ozias, Chair
Board of County Commissioners
Clallam County
223 E. 4th Street, Suite 4
Port Angeles, WA 98362

MAR 03 2023

1...2...3...A...

SUBJECT: NATIONAL REGISTER NOMINATION FOR THE SLIP POINT LIGHT
STATION IN CLALLAM COUNTY, WASHINGTON

Dear Mr. Ozias:

In accordance with National Historic Preservation Act Section 302104 (54 U.S.C. § 302104), and 36 CFR Part 60 - National Register of Historic Places, the U.S. Coast Guard (USCG) is nominating the Slip Point Light Station in Clallam County to the National Register of Historic Places (NRHP).

Based on information contained in the NRHP registration form, USCG has determined that this property is eligible for the NRHP. A summary of the NRHP nomination is enclosed (Enclosure (1)).

I request Clallam Board of County Commissioners review regarding the eligibility of this property for inclusion in the NRHP. If you wish to provide the USCG with comment regarding this NRHP nomination, please provide that to me within forty-five (45) days of receipt of this letter.

If you require any additional information, please contact Daniel Koski-Karell, Ph.D., at (202) 475-5683.

Sincerely,

A handwritten signature in blue ink that reads "Kebby Kelley".

K. KELLEY
Deputy Chief
Office of Environmental Management
U. S. Coast Guard

Enclosure: (1) Slip Point Light Station NRHP nomination summary.

Copy: CG CEU Oakland (w/o encl)

Crawford, Donald

From: Crawford, Donald
Sent: Tuesday, March 7, 2023 3:09 PM
To: Ozias, Mark
Cc: Reyes, Tom; Schanne, Haley; McFarlen, Rick; Raymond, Rhonda
Subject: Public Comment Letter of support for NATIONAL REGISTER NOMINATION FOR THE SLIP POINT LIGHT STATION IN CLALLAM COUNTY, WASHINGTON



20230307143326....

Commissioner Ozias,

I reached out to Daniel Koski-Karrell, Ph.D. USCG to inquire about the significance and implications of providing the USGC with favorable comments. To paraphrase his response- this is a forward step in the conveyance process of the Slip Point Property to the county.

As we are on the clock, how can I help you with a positive comment?

R.Donald Crawford, CGM

Director

Clallam County

Parks, Fair, & Facilities Department

223 East Fourth Street, Suite 7

Port Angeles, WA 98362-3000

360.797.8283 cell



WESTECH COMPANY

Environmental Consulting ~ Site Permitting

June 20, 2008

Mr. Joel Winborn, Division Manager
Parks, Fair, Facilities Division
Clallam County Department of Public Works
223 East Fourth Street, Suite 7
Port Angeles, WA 98362-3015

Dear Mr. Winborn:

The enclosed laboratory data reports indicate the results of four samples taken from building materials at the Slip Point Residence. While asbestos was not present in the Plaster of sample A-01 (Residence wall sample), or the paint sample (Front Porch), high levels of chrysotile asbestos was found in samples A-03 (12 x 12 tiles) and A-04 (Kitchen-Laundry). The regulatory threshold for Asbestos Containing Materials (ACM) is 1.0 percent. These two samples had concentrations of 30 and 20 percent respectively, many times the standard.

In addition, while lead was not tested for in samples A-03 or A-04 since these were not paint samples, sample A-01 (light green and brown paint from inside wall) had a total lead concentration of 488.8 mg/kg, compared to the standard of 250 mg/kg. Sample A-02 (off-white paint – exterior front porch) had a total lead concentration of 144,327.5 mg/kg. This is a very high and very toxic concentration of lead in paint.

Based on these results, recommend the following:

- 1) An on-site asbestos inspection be carried out by a certified Asbestos Building Inspector (ASB). Additional samples should be taken as necessary (usually 10-15 samples total depending on the diversity of building materials (we already have 4 samples). A map should be generated for the structure using tape measures and sample points should be indicated. Sampling should be conducted as per state and federal asbestos standards for public and commercial buildings (AHERA).
- 2) Additional samples of potential lead based paint should be taken as necessary to characterize potential hazards or to form the basis for estimating necessary reconstruction or demolition work.
- 3) The sample with very high lead levels (A-02) should be tested by TCLP to characterize leachable lead.

Mr. Joel Winborn
June 20, 2008
Page Two

- 4) A professional report should be prepared, containing all necessary text, tabular data and graphics to characterize site conditions and assure compliance of sampling with applicable state and federal regulations.

If you wish, I can prepare a budget for conducting the sampling and preparing a report. This work could be completed within 20 – 30 days of authorization depending on our schedule. Thank you.

Sincerely,



G. Bradford Shee, Ph.D., REA, ABI
Asbestos Building Inspector #ABII-NES-07-03

GBS/ms

ORION Environmental Services

An Environmental Compliance Consulting Firm

Polarized Light Microscopy Test Report EPA Method 600/R-98/116

Client NOW Environmental Services, Inc
34004 - 9th Avenue South, Suite # 12
Federal Way, WA 98003

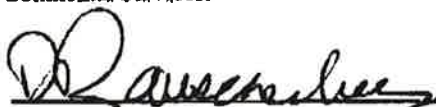
Date June 18, 2008
Page Page 1 of 1
Invoice 082918
Date Received June 10, 2008

Client Name / Number Westech Company / L08-0149
Project Name Slip Point Residence

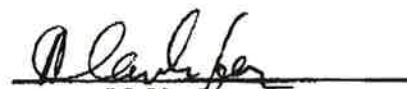
<u>Client Number</u>	<u>Orion Number</u>	<u>Stereo Scope Exam</u>	<u>Sample Treatment</u>	<u>Asbestos Percent</u>	<u>Type</u>	<u>Other Fibers</u>
A-01a	80610-31a	Skim Coat Assoc. w/ A-01b				
A-01b	80610-31b	Plaster Homogeneous		ND		Cellulose
A-02	80610-32	Paint Homogeneous	-	ND	-	
A-03	80610-33	Light & Dark Brown Pattern Vinyl Sheeting w/ Gray Felt Backing Homogeneous	-	30	Chrysotile	Cellulose
A-04	80610-34	Light & Dark Red Pattern Vinyl Sheeting w/ Gray Felt Backing & Non-Separable White Mastic Homogeneous	-	20	Chrysotile	Cellulose

Dup: Laboratory QA/QC Duplicate; M; Mastic [(a), (b), (c), etc.]: Sample layers numbered from front to back.
Comments: For layered samples, each component has been analyzed separately. ND means non-detect for asbestos fibers by EPA Method 600/R-98/116. Disclaimers: PLM has been known to miss asbestos in a small percentage of samples that contain asbestos. Thus, these laboratory results represent due diligence, however negative or <1 % PLM results can not be guaranteed. Per EPA guidelines samples will be archived for 30 days then will be disposed of. This report may only be reproduced in full with written approval of ORION Environmental Services.

Analyzed By


Dennis Rauschenberg
Laboratory Analyst

Reviewed By


Donna McNeal
Laboratory Director, CEO

Leading Environmental Compliance Consulting Into the 21st Century

34004 - 9th Avenue South ♦ Suite 5 ♦ Federal Way, Washington 98003-6740
♦ Tacoma (253) 952-6717 ♦ Seattle (253) 874-8118 ♦ Facsimile (253) 927-4714 ♦ Email Info@OrionES.net

ORION Environmental Services

An Environmental Compliance Consulting Firm

Total Lead Test Report EPA Method 7420

Client NOW Environmental Services, Inc
34004 - 9th Avenue South, Suite # 12
Federal Way, WA 98003

Date June 18, 2008
Page Page 1 of 1
Invoice 082918
Date Received June 10, 2008

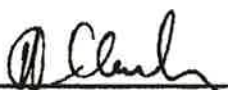
Client Name / Number Westech Company / L08-0149
Project Name Slip Point Residence

<u>Client Number</u>	<u>ORION Number</u>	<u>Material Description</u>	<u>LOD (mg/kg)</u>	<u>Total Lead PPM (mg/kg)</u>	<u>% by Weight</u>
	80610-31	Light Green & Brown Paint – Inside Wall	16.13	488.8	0.049
	80610-32	Off-White Paint – Exterior Front Porch	20.83	144,327.5	14.433

Quality Assurance Information

Method Blank: <0.5 mg/kg
Linear Regression Lower Limit: 0.990
Actual Batch Linear Regression: 0.999
Check Standard Per Set: +5.0 mg/l

Analyzed By


Allen Clark
Laboratory Analyst

Reviewed By


Donna McNeal
Laboratory Director, CEO

Leading Environmental Compliance Consulting Into the 21st Century

052918

Chain of Custody Form

Client/Name:

Address:

W00-0149
Now/OPEN
Slip Point
6-4-08
Clallam County Parks

Turn-Around Time (Please check appropriate box)

☐ 4-hour *

☐ 24-hour *

☒ 3-day

Sample #	Description of Sample	Analysis (check appropriate box)
B-1 31	Slip Point Residence - 1st fl	☒ Asbestos ☒ Lead ☐ Mold ☐ Other
A-2 30	Slip Point Ext. Front Porch	☒ Asbestos ☒ Lead ☐ Mold ☐ Other
A-3 33	Slip Point Residence 12x12 Tiles	☒ Asbestos ☒ Lead ☐ Mold ☐ Other
A-4 34	Slip Point Residence - Laundry/Hall	☒ Asbestos ☒ Lead ☐ Mold ☐ Other
		☐ Asbestos ☐ Lead ☐ Mold ☐ Other
		☐ Asbestos ☐ Lead ☐ Mold ☐ Other
	Paul 6/10/08 1000	☐ Asbestos ☐ Lead ☐ Mold ☐ Other
	NOV/08 RETURNED	☐ Asbestos ☐ Lead ☐ Mold ☐ Other
		☐ Asbestos ☐ Lead ☐ Mold ☐ Other
		☐ Asbestos ☐ Lead ☐ Mold ☐ Other
		☐ Asbestos ☐ Lead ☐ Mold ☐ Other
		☐ Asbestos ☐ Lead ☐ Mold ☐ Other

Relinquished By:

Signature: [Signature]
Printed Name: Neil Wickham
Company Name: Clallam Co.
Time: 1:00 PM Date: 6/5/08

Received By:

Signature: [Signature]
Printed Name: G. Bradford Shad
Company Name: Westcoast Co
Time: 1:00 PM Date: 6/5/08

Notice: Samples must be enclosed in a sealed bag or container. Unless otherwise requested all samples will be disposed of five (5) working days after analysis. You will be contacted if the sample is insufficient in quantity for analysis. Analysis method is in accordance with EPA Method 600/R-93-116 for Polarized Light Microscopy.

Received By:

Signature: [Signature]
Printed Name: FEDER
Company Name: FEDER
Time: 1:15 Date: 6/9/08

* Additional charges apply for 4-hour and 24-hour sample analysis. Please contact NOW Environmental for further details.

34004 9th Avenue South, Suite 12, Federal Way, WA 98003

Phone: (253) 927-5233 FAX: (253) 924-0323

E-mail: info@nowenvironmental.com Website: www.nowenvironmental.com



Board of Clallam County Commissioners

223 East 4th Street, Suite 4
Port Angeles, WA 98362-3015
360.417.2233 Fax: 360.417.2493
Email mdoherty@co.clallam.wa.us

***From the Desk of
COMMISSIONER MIKE DOHERTY***

File: D80.23

14 March 2023

Ms. Patricia Duff
Environmental Protection Specialist
Maintenance and Logistics Command Pacific(s)
U.S. Coast Guard
1301 Clay Street, Suite 700N
Oakland, CA 94612-5203

RE: Slip Point, U.S. Coast Guard Property

Dear Ms. Duff:

The County has been anxiously awaiting the news that the Slip Point property in Clallam Bay, Washington has been successfully transferred to Clallam County. Not only is the County Park system excited about this opportunity, but the citizens of the Clallam Bay and Sekiu are probably more so. In fact, the community has been discussing options for use of the building and grounds once the transfer is complete. Some of the proposals to utilize the grounds and existing structures that have been discussed are included below. Please keep in mind that at this stage there is no "new" construction proposed with the exception of some minimal surface grading that may be necessary to install a parking area. Any restrooms, meeting spaces, museum spaces, labs, etc., would utilize the existing house and the detachment building presently being used by the Sheriff's Department.

You will, however, notice under number "9" below that there is a lighthouse addition and fog station reconstruction project included. The idea here would be to reconstruct what was there, parts of which still remain, for a historically accurate site. This project could require more significant excavation but at this time it is unclear.

We readily acknowledge that the Native American cultural history of the subject area is significant. We expect to work with the Lower Elwha Klallam and Makah tribes to feature appropriate interpretative displays at the site. We propose to implement a cooperative agreement with the tribes to cover any significant excavation at the site that might expose cultural resources.

We are familiar with the process and in fact, are currently working with the Lower Elwha Klallam Tribe and an archeology firm at another of our County Parks on a moderately large excavation project. This project involves coordination, test holes and sampling, excavation and on site monitoring during the digging process. Our goal is to provide a place where people can come and enjoy a truly unique area and be educated in the process, while at the same time being conscientious about how we do it.

Park Use Possibilities:

1. Day-use park with picnic tables, parking, and restrooms for the community and tourists.
2. A northwest coast marine museum would be a general goal to include related uses such as marine life studies, a shipwreck component, and a tribute to northwest coast WWII Coast Guard service people.
3. A weather-related facility.
4. A northwest coast natural history museum, with marine life being one component of several – bird life, plant life, archaeology, etc.
5. Seminar and class space for conferences, workshops, and other educational purposes.
6. Tie-in programs with the school(s) which could mean a larger group of funding options and would be a way to pull kids into a community project.
7. A local history center. The seniors should be included – vast experience and hands on historical information and more funding options.
8. Multiple-use facility with one strong theme to tie it together – Northwest coastal history or northwest coastal marine life, or both with an electronic component to promote the area outside of the county and state.
9. Rebuild a replica of the original Coast Guard Fog Station (1906) and light house addition (1914).
10. Maritime museum.
11. Marine biology public lab and education center – Partner with state and local educational service districts, Peninsula College, University of Washington (already uses Slip Point as a marine biology research site), NOAA/NMFS – marine sanctuary.
12. Small outdoor concerts – Chamber has sponsored this in the past with great success.
13. Open air markets.
14. Easter egg hunts sponsored by west end youth and community

As you can see, the ideas are many and the willingness of the community to assist in making many of these things a reality is not in question – they are very proud of their community and have never shied away from working to promote it.

From a County Park perspective, there are many things we would like to see and implement once the transfer is complete. One of the most important is providing safe access to the beach. Once there the options for locals and visitors are limited only by their imagination. Whether it is bird watching, beach combing, kite flying, picnicking, or scouting field trips this area will be a wonderful addition to our County Park system.

Ms. Patricia Duff
February 14, 2006
Page 2

We are committed to working with our Park Board, community groups, the Chamber of Commerce, and educational institutions like local schools and universities to make this a destination point to learn about the area history, its people, and the vast wildlife that exists in this spectacular area.

Your time to review a few of our proposals will be appreciated. If you have additional questions, please don't hesitate to call me.

Sincerely,

Mike Doherty

TARGETED BROWNFIELDS SITE ASSESSMENT QUESTIONNAIRE

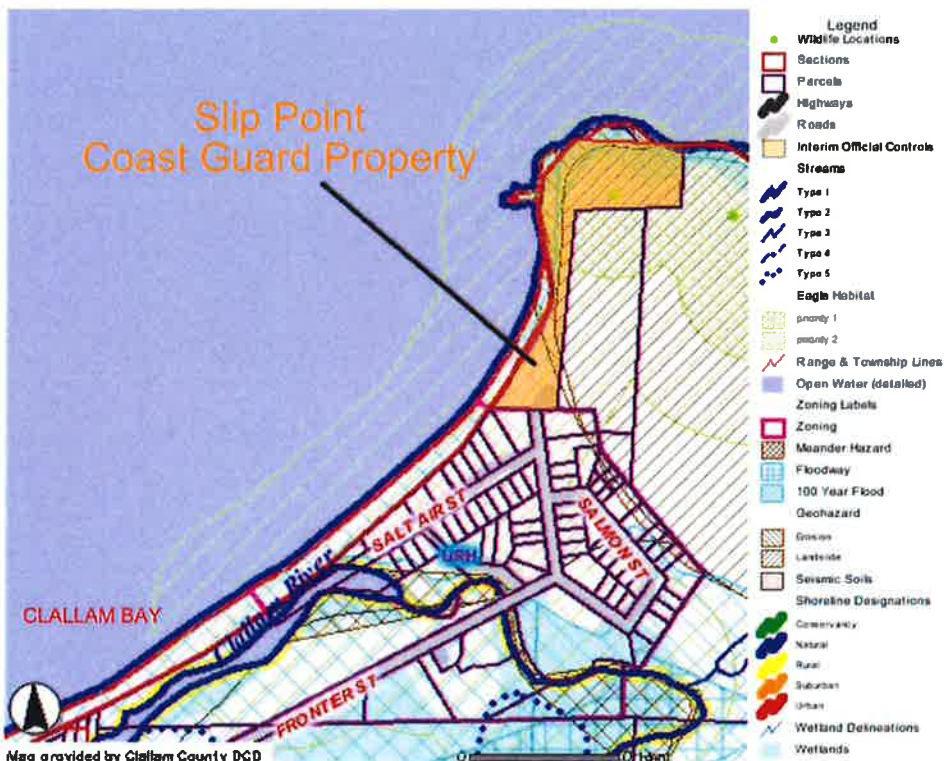
ORGANIZATION:

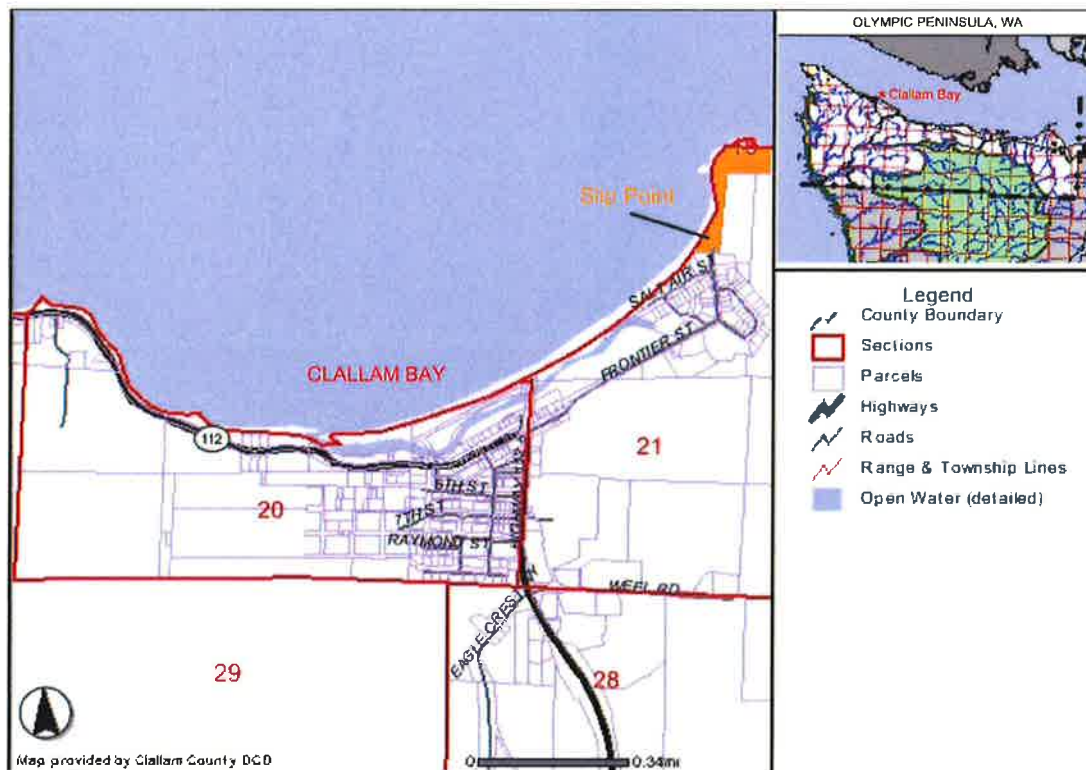
Clallam County
Department of Community Development
Tony Polizzi
223 E. 4th Street, Suite 5
Port Angeles, WA 98362
tpolizzi@co.clallam.wa.us
(360) 417-2337
FAX:

Clallam County
Parks, Fair, and Facilities Division
Joel G. Winborn
223 E. 4th Street, Suite 7
Port Angeles, WA 98362
jwinborn@co.clallam.wa.us
(360) 417-2429
Fax: (360) 417-2395

SITE:

The property is a former United States Coast Guard Station, at 663 Frontier St., Clallam Bay, WA 98326. The property once had a lighthouse and is known to have historical significance to native cultures. The parcel is on 7.98 acres of land, which is zoned CF (Commercial Forest). It is between a residential area, zoned URH (Urban Residential High Density) and a commercial forest parcel owned by Rayonier. Areas of known contamination include the Lighthouse keepers' house, which contains asbestos and lead paint. Several other outbuildings also exist on-site but have not been assessed for hazardous materials and include: a garage, annex building and small generator/shop building.





CURRENT SITE OWNERSHIP:

This parcel is currently owned by the United States Coast Guard. In 2001, United States Congressman Norm Dicks sponsored legislation authorizing the transfer of this property to Clallam County for use as a recreational park. Since 1977, Clallam County's Sheriff Department has rented the property in addition to the annex space next door to the Light Keeper's House. The house is currently used as Sheriff's Department Housing and the annex is used by the Sheriff's Department for an office and evidence storage.

The Coast Guard has been very helpful in guiding the transfer process and the Coast Guard employee responsible for realty concerns for this property is Linda Kratochvil, 510-637-5534.

Clallam County and the Coast Guard have been working together since 2001 to get the property transferred to the County. One of the primary roadblocks in the transfer is the known presence of asbestos and lead based paint on the property. Without environmental assessments and necessary asbestos and lead paint clean up, the County is wary of acquiring the liability of property with such contaminants.

Since there is a long history of working with the Coast Guard, there should be no difficulty in obtaining legal permission to enter the property to conduct site assessment activities. The Coast Guard has indicated that such environmental assessments are necessary in the transfer process.

SITE HISTORY:

An excerpt from www.FriendsoftheLighthouse.com regarding the property:

“By 1865, three lighthouses had been constructed along the American side of the Strait of Juan de Fuca, however, a gap of over 60 miles still existed between the lights at Cape Flattery and Ediz Hook. Near the center of this gap lay Clallam Bay with its small fishing villages. Slip Point forms the eastern side of Clallam Bay, and a small shelf located at its northern end was selected as the site for a fog signal and light. A landslip on the face of the point, which gave rise to the point's name, had often been used as a landmark for mariners during daylight hours. Now, thanks to a \$12,500 appropriation by Congress in 1900, the point would also help mariners traverse this previously dark gap at night.



Local labor was used to construct the station. A fine keepers' dwelling and a single story frame fog signal building, with a Daboll trumpet protruding through its seaward wall, were completed, but then the lack of sufficient funds prevented the construction of a light tower. Instead, a lens-lantern mounted on the fog signal building served as the light. Hans Score, Slip Point's first keeper, lit the lamp for the first time on April 1, 1905.

The intended light tower was finally added to the fog signal building in 1906, and a fourth-order clamshell Fresnel lens replaced the lens lantern. The upgraded beacon could now be seen from the Canadian side of the strait.



The keepers' residence was located along the eastern side of Clallam Bay. To service the light and fog signal, a keeper had to skirt around the side of the point by walking along an elevated, wooden catwalk. During violent storms, it must have been a harrowing experience to walk the catwalk with the waves churning just below your feet.

The Slip Point Lighthouse was replaced in 1951 by a beacon and fog signal on a fifty-foot white tower. The original fog signal building and attached tower were subsequently dismantled and much of the lumber was hauled away by local citizens.

The station was fully automated in 1977, and the keepers' duplex has since been shared by the Clallam Bay County Sheriff's Department and Coast Guard Personnel. In 2001, legislation was approved by the U.S. House of Representatives transferring 23.6 acres of the Slip Point Light station to the local community for inclusion in Clallam Bay Spit County Park. Public officials of Clallam County have launched an effort to gather historic photos and blueprints of the original lighthouse that could be used in building an accurate replica. The modern beacon along with the catwalk on top of the cement footings was removed around 2000.”

Due to the date of construction and subsequent maintenance, known contaminants are lead-based paint and asbestos. Additional potential contaminants may be possible from storage tanks of heating fuel and/or machinery fuel and lubricants.

REGULATORY HISTORY:

Clallam County is not under any order to conduct site assessment or clean-up, however, transfer of the property to the County cannot go forward without it.

REDEVELOPMENT POTENTIAL:

This section was prepared by the Tourism Community Action Team in Clallam Bay/Seki:

The combined communities of Clallam Bay and Sekiu are situated on the northwest coast of Washington State in Clallam County. They are unincorporated and fall under the County's jurisdiction. Since the decline of the logging industry and recreational fishing, the community has been struggling with a severe economic and population decline, with the current economic situation worsening the situation.



Currently, the area has approximately 2000 (2000 Census) citizens, down from approximately 2900 (1990 Census) which represents a population decline of around 30% in this ten year period. According to 2003 updates to the 2000 Census, the median household income in the Northwest Coast is around \$31,000. (The 2003 median household income figures for Clallam County are \$38,607 and for Washington State, \$48,185. The 2003 national median household income is \$43,318.)

The tourism/hospitality industry is struggling to become a viable economic recovery option for the area. Clallam Bay and Sekiu are situated on a beautiful bay with views of Vancouver Island, and the Strait of Juan de Fuca. It is surrounded by lush forests and plentiful rivers. The natural resources of this area are conducive for many outdoor activities and sports, such as hiking, kayaking, birding, whale watching, biking, and horseback riding. The use and preservation of the Lighthouse property as a tourist destination fits into the overall vision for the town's future and would be a stop along a string of lighthouses on the Olympic Peninsula.

Due to economic hardships, the community applied for and received a United States Department of Agriculture grant in December of 2007. In March, a town meeting was held and Tourism, with the Slip Point transfer as a main goal, was chosen as the second important economic development initiative (the first priority chosen was Revitalization).

A Tourism Community Action Team (CAT) was formed and its main focus since meeting in March has been the transfer of Slip Point to the County. Community support for preserving this historical property is overwhelming, even after a decade of working toward this goal. The Tourism CAT is currently working on developing a Future Use Plan for the property.

Issues related to Slip Point that have been discussed at the Tourism CAT include:

- The Slip Point Lighthouse keeper's residence is the community's only historical building in Clallam Bay, and currently inaccessible to the public
- The property is one of very few beach access points for the public
- Some have suggested turning the house into a Maritime Museum
- Some have suggested developing it into an educational facility for marine education (world class tide pools are a step away)
- There is support (including financial support) for installing kiosks to educate tourists on the history of the lighthouse and native cultures that once inhabited the area
- There is support (including financial support) from all Clallam Bay and Sekiu community organizations to install picnics benches, parking, and signage
- It is not far from a nationally designated Scenic Byway



- The Tourism CAT believes it is important to work with the Tribes to ensure preservation of their cultural resources
- It is important to preserve the property to protect any artifacts that may be on the property or on the beach

In September, the Tourism CAT and Clallam County organized an exclusive tour of the Lighthouse keeper's house. 37 people attended this tour, which is a very high turnout for the community. This successful event energized the community, and there is an increased effort to coordinate with Clallam County and the Coast Guard. The community has pushed for a renewed lease with the Coast Guard in the interim that allows for public access to the property (not the house), new signage, and continued parking spaces. In the long term, the County plans on adding this property to their Parks Department.

Over the last decade, there is a long history of hard-working community volunteers supporting the transfer of this property to the County. Other groups in the community which have historically supported the transfer of this property include: the Chamber of Commerce; the 112 Scenic Byway Association; the West End Youth and Community group; and the Community Advisory Council, which is the community's County-appointed voice to the Commissioners. We have attached letters of support from these groups.

MUNICIPAL COMMITMENT:

Clallam County staff, including County Commissioner, Mike Doherty, and the Department of Community Development, have poured many hours of staff time into speaking with the Coast Guard as well as interested community and tribal members about the transfer. Transferring the property to the County Parks has been an ongoing effort for Clallam County staff since even before 2001.

When the transfer of the property is complete, the County intends on supporting the projects in a multitude of ways, such as:

- Incorporating the property into the County Park system,
- Rezoning the property from its current CF (commercial forestry) designation,
- Preserving the Lighthouse keeper's house as a historical building,
- Investigating the community's desires for future uses of the Lighthouse keeper's residence,
- Working with the tribes to preserve the land's cultural significance, and
- Maintaining the property for recreational park use.

PRIOR SITE ASSESSMENT ACTIVITIES:

The County has only conducted preliminary lead and asbestos testing. No other testing, to the knowledge of the parks department, has been conducted. The Clallam County Sheriff's Department, who currently leases the facility from the USCG, may have conducted other tests in the past.

SITE ASSESSMENT NEEDS:

Site assessment reports are needed for asbestos and lead-based paints in the structures and a hazardous materials assessment of the property. The County is specifically interested in asbestos and lead-based paint abatement costs and hazardous material assessment and clean-up costs. Both the Coast Guard and the County are unable to provide funding for these assessments due to budget restraints. This is especially necessary if the County is to apply for future grant funding for historical preservation of the house and other features on the property. Clallam County is requesting **Phase I, Phase II, and Establishment of cleanup options and cost estimates.**

SITE CLEANUP:

With cleanup options and cost estimates, the County will be able to submit grants for cleanup expenses. At this time, it is impossible to gauge how much a clean up will cost and ask for funding. The County will be working with Congressman Norm Dicks and community organizations to look for funding from a variety of organizations, including the Washington Department of Ecology, as well as submit for an EPA Brownsfield cleanup grant in 2009.

SUBMIT COMPLETED FORMS TO :
BROWNFIELDS TARGETED SITE ASSESSMENTS
C/o Joanne LaBaw
U.S. Environmental Protection Agency - Region I0
1200 Sixth Ave. (ECL-115)
Seattle, WA 98101

Attachments: Letter from Community Action Teams
Letter from Juan De Fuca Scenic Byway Association



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10**

1200 Sixth Avenue, Suite 900
Seattle, WA 98101-3140

March 9, 2009

Joel Winborn
Division Manager, Public Works
Clallam County
223 East Fourth Street, Suite 7
Port Angeles, WA 98362-3015

Dear Mr. Winborn:

EPA received the completed questionnaire that requested a Targeted Brownfields Assessment (TBA) at the Slip Point Lighthouse on Clallam Bay, Washington. Unfortunately, because this site is located on property that is owned by the federal government, it is not eligible for assistance under the EPA Brownfields program. Therefore, your request has been declined.

If the ownership of this property should change and Clallam County is still interested in having EPA conduct a TBA, you may resubmit the questionnaire.

I appreciate your interest in the Brownfields program. This sounds like a great project and I wish you the best of luck with it. If you have questions or would like to discuss further, please do not hesitate to call me at (206)553-2594.

Sincerely,

A handwritten signature in cursive script, appearing to read "Joanne LaBaw".

Joanne LaBaw

Targeted Brownfields Assessment Coordinator



AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

MAR 20 2023

Department: Superior Court

WORK SESSION ☒ Meeting Date: 3/20/23

REGULAR AGENDA ☒ Meeting Date: 3/28/23

Required originals approved and attached? ☒
Will be provided on:

Item summary:

- | | | |
|---|--|--------------------------------------|
| ☐ Call for Hearing | ☒ Contract/Agreement/MOU - Contract # 861.22.010-A (Replaces 861.21.010) | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | ☐ Other |

Documents exempt from public disclosure attached: ☐

Executive summary:

Superior Court has received additional funding in the amount of \$8,000 from the State of Washington Administrative Office of the Court (AOC) in support of the Clallam County Superior Court Family and Juvenile Court Improvement Plan (FJCIP) program for the purchase of technology needs and for hosting an implementation retreat. This is an ongoing grant since 2009 that has reimbursed the County for the cost of a fulltime FJCIP Coordinator for salary and benefits in the amount of \$96,164. With these additional funds of \$8,000, this will bring the grant total to \$104,164 for the period July 1, 2022, through June 30, 2023.

The FJCIP Coordinator works with the court's Family Law and Dependency dockets in the support, development and tracking of FJCIP programs to include reports, case processing indicators, and quarterly and yearly summaries of the court's activities and measureable outcomes on cases impacting families, juveniles or both.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

If these additional funds are approved, I will prepare a supplemental appropriation for April in the amount of \$8,000.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

Approval and support of these funds in support of the FJCIP program.

County Official signature & print name: _____

Name of Employee/Stakeholder attending meeting: _____

Relevant Departments: _____

Date submitted: _____

3/10/23

AMENDMENT 1 ICA23860
BETWEEN
WASHINGTON STATE ADMINISTRATIVE OFFICE OF THE COURTS
AND
CLALLAM COUNTY SUPERIOR COURT

(861.22.010-A) (FJCIP) (amends 861.22.010)

THIS Amendment to the Agreement is made by and between, **Washington State Administrative Office of the Courts (AOC)** and **Clallam County Superior Court (Court)**

PURPOSE This Amendment amount adds reimbursement for technology and hosting an implementation retreat for HB 1227. The Amendment One Amount is \$8,000

COMPENSATION

- a. AOC shall reimburse the Court a maximum of \$104,164 for FJCIP coordinator salary and benefits costs incurred during the term of this agreement.
- b. AOC shall reimburse the Court a one-time technology upgrade of up to \$5,000 to ensure that FJCIP Coordinators have the tools they need to conduct data analysis, facilitate virtual meetings and perform other tasks required for continuous quality improvement. Upgrades outside the below suggested items will be determined in consultation with the FJCIP Statewide Team. Purchases shall be made and must be received by June 30, 2023 the effective date of termination of this agreement. Receipts for purchased items shall be include with the invoice(s).

Below are suggested technology resources for FJCIP coordinators:

- Laptop with docking station
 - Examples that some courts are using:
 - Lenovo, T-15 gen 2 ThinkPad T-15 Gen 2 Intel Laptop.
 - Dell Latitude 5530 Laptop with docking station
 - Two monitors minimum at their work station(s)
 - Headset and webcams.
 - Wireless mouse and keyboard
 - Items to situate monitors and laptops to promote the ability to run meetings on Zoom and complete data reports and projects.
 - Paid Zoom account, if your court is not using a business license.
 - Other technology that would support the ability for your FJCIP Coordinator to do their work with your system partners.
- c. AOC shall reimburse the Court up to \$3,000 for expenses related to hosting an implementation retreat for the Keeping Families Together law (HB 1227). The retreat must occur before June 30, 2023, the effective date of termination of this agreement. Receipts for expenses shall be included with invoices. Pre-approval of food and beverage purchases is required. The Court shall work with the FJCIP Statewide Team to ensure proper reimbursement eligibility.
 - c. The Court shall submit invoices to AOC for expenditures no more frequently than monthly, and no less frequently than quarterly. Invoices shall be submitted on state form A-19.

- d. Before payment can be processed, properly-completed A-19 invoices must be submitted to payables@courts.wa.gov
- e. If this agreement is terminated, the Court shall only receive payment for performance rendered or costs incurred in accordance with the terms of this agreement prior to the effective date of termination.
- f. The Court shall maintain sufficient backup documentation of expenses under this agreement.
- g. Payments made by AOC within 30 days of receipt of a properly-completed A-19 invoice shall be deemed timely.
- h. AOC, in its sole discretion and upon notice, may initiate revenue sharing and reallocate funding among recipients of funding governed by the Family and Juvenile Court Improvement Plan legislation. If, in AOC's assessment, the Court is unlikely to expend the maximum agreement amount, AOC may reduce the maximum agreement amount. AOC may increase the maximum agreement amount if additional funds become available.

All other provisions of the original agreement stand as written and amended.

THIS AMENDMENT is executed by the persons signing below who warrant that they have the authority to execute it.

Administrative Office of the Courts

Court

_____ Signature _____ Date	_____ Signature _____ Date
Dawn Marie Rubio _____ Name	Name <u>Lacey Halberg</u> _____ Name
State Court Administrator _____ Title	Title <u>Superior Court Administrator</u> _____ Title

Bert Dee Boughton

Individual Officer
3-3-23

Date

Approved as to form only by
Bert Dee Boughton

Bert Dee Boughton
Civil Deputy Prosecuting Attorney
Clallam County

Commissioner

ICA23860

Date



AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

MAR 20 2023

Department: Extension/Noxious Weed Control

WORK SESSION ☒ **Meeting Date:** 3-20-2023

REGULAR AGENDA ☒ **Meeting Date:** 3-28-2023

Required originals approved and attached? ☒

Will be provided on:

Item summary:

☐ Call for Hearing

☐ Contract/Agreement/MOU - Contract #

☒ Resolution

☐ Proclamation

☐ Budget Item

☐ Draft Ordinance

☐ Final Ordinance

☐ Other

Documents exempt from public disclosure attached: ☐

Executive summary:

This resolution closes the existing Noxious Weed Control Board's petty cash fund in the amount of \$100 that is no longer necessary.

Budgetary impact: The \$100.00 will be returned to the Treasurer.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

Recommend approval to close the Noxious Weed petty cash fund.

County Official signature & print name: Christina St John 

Name of Employee/Stakeholder attending meeting: Christina St John, coordinator

Relevant Departments: Noxious Weed Control Board

Date submitted: 3-14-2023

* Work Session Meeting - Submit 1 single sided/not stapled copy

Agenda Item Summary_Closing petty cash_Mar 20

** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Revised: 3-04-2019



RESOLUTION _____, 2023

CLOSING THE NOXIOUS WEED CONTROL BOARD PETTY CASH FUND

THE BOARD OF CLALLAM COUNTY COMMISSIONERS finds as follows:

1. The Noxious Weed Control Board has a petty cash fund in the amount of \$100.00 that is no longer necessary and requests to have this fund terminated.

NOW, THEREFORE, BE IT RESOLVED by the Board of Clallam County Commissioners, in consideration of the above findings of fact:

1. Close the Noxious Weed Control Board's petty cash fund with the \$100.00 balance to be returned to the Treasurer.

PASSED AND ADOPTED this _____ day of _____, 2023

BOARD OF CLALLAM COUNTY COMMISSIONERS

Mark Ozias, Chair

Randy Johnson

ATTEST:

Loni Gores, MMC, Clerk of the Board

Mike French



7

AGENDA ITEM SUMMARY

MAR 20 2023

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: INFORMATION TECHNOLOGY

WORK SESSION ☒ **Meeting Date:** MARCH 20 2023

REGULAR AGENDA ☒ **Meeting Date:** APRIL 4, 2023

Required originals approved and attached? ☒
Will be provided on:

Item summary:

- | | | |
|---|--|---|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | ☒ Other PURCHASE ORDER |

Documents exempt from public disclosure attached: ☐

Executive summary:

PURCHASE ORDER EXCEEDS COUNTY ADMINISTRATOR'S SIGNATORY LIMIT AND REQUIRES BOCC CHAIR TO COUNTER-SIGN.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
APPROVED AND BUDGETED FUNDS ARE AVAILABLE FOR THIS PROJECT

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
REQUEST THAT BOCC CHAIR COUNTER-SIGN THE ATTACHED P.O.

County Official signature & print name: MARK DOTEN

A handwritten signature in black ink, appearing to read "Mark Doten", written over a horizontal line.

Name of Employee/Stakeholder attending meeting: MARK DOTEN

Relevant Departments: INFORMATION TECHNOLOGY

Date submitted: 03/09/2023

* Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting - Submit 1 single sided/not stapled copy and originals (1 or 3 copies)



CLALLAM COUNTY

Information Technology Department

223 East Fourth Street, Suite 13 Port Angeles, WA 98362-3015 360.417.2346
Mark Doten

03/02/2023

CDW-G (0000289)

120 South Riverside
Chicago, IL 60606

Attn: **Danny Higgins** dannhig@cdwg.com

Phn: 877.625.7671

Fax: 312.705.3457

P.O.#.....

Budget#...

SRF#.....

Dept.....

For.....

IT20230302b

30701.411.59418.64.1340

N/A

Information Technology (IT)

Cisco Wireless Network Project -
Meraki

Cisco Wireless Network Project Meraki. Quote: NFDR860

Dear Danny:

Please place on-order for Clallam County the following:

Mfg Part#	Description	Price	Qty	Extension
CW9164I-MR	CISCO DIRECT CS9164I-MR	989.37	40	39,574.80
LIC-ENT-7YR	CISCO MERAKI ENTERPRISE CLOUD CONTROLLER, SUBSCRIPTION LICENSE (7 YR) 2023-2030	341.70	40	13,668.00

Subtotal: 53,242.80

8.8% Tax: 4,685.37

Shipping: 0.00

Total: 57,928.17

Please apply any additional bid discounts and confirm the availability. **Please bill and ship to the Information Technology Department. Do not ship partial. Please ship complete unless otherwise notified.**

Thank you.

Sincerely,

Mark Doten
Information Technology Director

Mark Ozias, Chair
Clallam County Commissioners

Xc: Greg Helwick



Thank you for choosing CDW. We have received your quote.

Hardware Software Services IT Solutions Brands Research Hub

Review and Complete Purchase

MARK DOTEN,

Thank you for considering CDW•G for your technology needs. The details of your quote are below. **If you are an eProcurement or single sign on customer, please log into your system to access the CDW site.** You can search for your quote to retrieve and transfer back into your system for processing.

For all other customers, click below to convert your quote to an order.

Convert Quote to Order

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
NFDR860	1/23/2023	MERAKI	3723164	\$57,928.16

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
<u>CISCO DIRECT CW9164I-MR</u> Mfg. Part#: CW9164I-MR Contract: Sourcewell 081419-CDW Tech Catalog (081419#CDW)	40	7095691	\$989.37	\$39,574.80
<u>Cisco Meraki Enterprise Cloud Controller - subscription license (7 years)</u> Mfg. Part#: LIC-ENT-7YR UNSPSC: 43232901 Electronic distribution - NO MEDIA Contract: MARKET	40	3346459	\$341.70	\$13,668.00

SUBTOTAL	\$53,242.80
SHIPPING	\$0.00
SALES TAX	\$4,685.36
GRAND TOTAL	\$57,928.16

PURCHASER BILLING INFO

Billing Address:
CLALLAM COUNTY
ACCTS PAYABLE
223 E 4TH ST STE 13
PORT ANGELES, WA 98362-3000
Phone: (360) 417-2000
Payment Terms: Net 30 Days-Govt State/Local

DELIVER TO

Shipping Address:
CLALLAM COUNTY
TESS TEEL
223 E 4TH ST STE 13
PORT ANGELES, WA 98362-3000
Phone: (360) 417-2000
Shipping Method: DROP SHIP-GROUND

Please remit payments to:

CDW Government
75 Remittance Drive
Suite 1515
Chicago, IL 60675-1515



Sales Contact Info

Danny Higgins | (877) 625-7671 | dannhig@cdwg.com

LEASE OPTIONS			
FMV TOTAL	FMV LEASE OPTION	BO TOTAL	BO LEASE OPTION
\$53,242.80	\$1,427.44/Month	\$53,242.80	\$1,648.93/Month

Monthly payment based on 36 month lease. Other terms and options are available. Contact your Account Manager for details. Payment quoted is subject to change.

Why finance?

- **Lower Upfront Costs.** Get the products you need without impacting cash flow. Preserve your working capital and existing credit line.
- **Flexible Payment Terms.** 100% financing with no money down, payment deferrals and payment schedules that match your company's business cycles.
- **Predictable, Low Monthly Payments.** Pay over time. Lease payments are fixed and can be tailored to your budget levels or revenue streams.
- **Technology Refresh.** Keep current technology with minimal financial impact or risk. Add-on or upgrade during the lease term and choose to return or purchase the equipment at end of lease.
- **Bundle Costs.** You can combine hardware, software, and services into a single transaction and pay for your software licenses over time! We know your challenges and understand the need for flexibility.

General Terms and Conditions:

This quote is not legally binding and is for discussion purposes only. The rates are estimate only and are based on a collection of industry data from numerous sources. All rates and financial quotes are subject to final review, approval, and documentation by our leasing partners. Payments above exclude all applicable taxes. Financing is subject to credit approval and review of final equipment and services configuration. Fair Market Value leases are structured with the assumption that the equipment has a residual value at the end of the lease term.

Need Help?



My Account



Support



Call 800.800.4239

[About Us](#) | [Privacy Policy](#) | [Terms and Conditions](#)

This order is subject to CDW's Terms and Conditions of Sales and Service Projects at <http://www.cdw.com/content/terms-conditions/product-sales.aspx>
For more information, contact a CDW account manager

© 2023 CDW•G LLC, 200 N. Milwaukee Avenue, Vernon Hills, IL 60061 | 800.808.4239



8

AGENDA ITEM SUMMARY

MAR 20 2023

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: Finance

WORK SESSION ☒ **Meeting Date: March 20, 2023**

REGULAR AGENDA ☒ **Meeting Date: March 28, 2023**

Required originals approved and attached? ☒
Will be provided on:

Item summary:

- | | | |
|---|--|--------------------------------------|
| ☐ Call for Hearing | ☒ Contract/Agreement/MOU - Contract # 19961.22.008, Amendment #1 | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | ☐ Other |

Documents exempt from public disclosure attached: ☐

ARPA DIRECT GRANT ASSISTANCE AGREEMENT AMENDMENT #1 – UNITED WAY OF CLALLAM COUNTY

Attached for your review and approval is an amendment to the ARPA Direct Grant Assistance Agreement with United Way of Clallam County, which was executed by the County on April 19, 2022. This amendment changes the language in the Scope of Work to provide the United Way of Clallam County – Clallam Resilience Project more flexibility for the eligible costs and removes the limitations from the original contract set dollar amount for the Collaborative Learning Academy, Community Meetings, personnel wages/salary, and supplies. This amendment does reduce the attendee stipends from \$36,000 to \$26,000.

On January 23, 2023 the Board of County Commissioners met to discuss this request and gave the preliminary approval for United Way of Clallam County to draft an amendment to their original contract.

All of the other terms and conditions of the original agreement are unchanged.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

None.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

* Work Session Meeting - Submit 1 single sided/not stapled copy ARPA Direct Grant Assistance Agreement Amendment 1 - United Way of Clallam County 3.28.23

** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Revised: 3-04-2019

We request the Commissioner's approval to execute this amendment during the March 28, 2023 BOCC Meeting.

County Official signature & print name: _____



Name of Employee/Stakeholder attending meeting:

Mark Lane, Clallam County Chief Financial Officer, and Chelsea Millar, BOCC
Minnie Whalen and Christy Smith, United Way of Clallam County

Relevant Departments: Finance, BOCC

Date submitted: 3/15/2023

* Work Session Meeting - Submit 1 single sided/not stapled copy ARPA Direct Grant Assistance Agreement Amendment 1 - United Way of Clallam County 3.28.23

** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256



ARPA DIRECT GRANT ASSISTANCE AGREEMENT AMENDMENT #1

THIS AMENDMENT is entered into between CLALLAM COUNTY, a political subdivision of the State of Washington, (hereinafter called "County" or "Clallam County") and United Way of Clallam County, a Washington State Non-Profit 501(c)(3) ("Recipient"), and changes the following attachments to the agreement entered into on April 19, 2022.

This Amendment is comprised of the text found on Attachment 1.

The term of this Amendment shall commence on the 28th day of March, 2023 and shall terminate as provided elsewhere in the Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement on this 28th day of March, 2023.

RECIPIENT

Print name: Christy Smith

Title: Chief Executive Officer

Date: 3/9/ 2023

CLALLAM COUNTY BOARD OF COMMISSIONERS

_____, Chair

Originals: BOCC
United way of Clallam County
Finance Department

THIS CONTRACT HAS BEEN APPROVED AS TO
FORM BY THE CLALLAM COUNTY PROSECUTING
ATTORNEY.

AMENDMENTS TO THE ORIGINAL AGREEMENT

Attachment D, Scope of Work, is amended to read as follows:

ATTACHMENT D**SCOPE OF WORK**

The Board of Commissioners are directing to provide the Recipient a total sum not to exceed \$59,000 of ARPA funds to support the Clallam Resilience Project in hosting no less than twelve cost-free Community Meetings, planning a Collaborative Learning Academy in 2022 and hosting the event no later than April 2023, and conducting activities and events in support of Resilience.

Expenses under this grant must meet the eligibility criteria outlined below:

1. Eligible Costs

Funds are to be used for the Community Meetings and to reestablish a Collaborative Learning Academy commencing no later than April 2023.

Such eligible costs incurred for the Clallam Resilience project may include:

- Collaborative Learning Academy supply costs, including:
 - o Curriculum binders;
 - o Agency and individual resilience building tools; and
 - o Other meeting supplies
- Attendee stipends of up to \$26,000 for the Collaborative Learning Academy allowing local agencies to participate
 - o Providing up to a \$100 per class financial stipend (with a 4-person limit per agency) as financial support to enable local agencies to attend the 9-month Collaborative Learning Academy
- Personnel wages/salary of staff support for Community Meetings and Collaborative Learning Academy costs, including:
 - o Supporting staff to host Community Meetings at a cost of up to \$1,000 per monthly meeting;
 - o Supporting staff to re-launch and conduct one or more Collaborative Learning Academies; and
 - o Other personnel, supplies and event-related costs incurred in support of Resilience Month

2. Program Funding and Award Amount

The County shall make \$59,000 of ARPA funds available under the IGA that will be paid to the Recipient on a reimbursement basis.

All funds are to be disbursed no later than December 31, 2024.

3. Reporting

The ARPA funding will be provided via reimbursement to the Recipient upon its submission to the County of expenditure details, together with copies of invoices, receipts and other supporting documentation for each expense for which reimbursement is requested, along with a signed certification by the Recipient that such expenses represent eligible expenses incurred by the Recipient based on the eligibility criteria outlined above and that such expenses have not been nor will be reimbursed under any other government or private entity program. The Recipient may only submit one request for Reimbursement per month.

This will ensure the eligibility of the expenditures consistent with the application requirements prior to payment.

Within 30 days of funds being fully depleted, the Recipient shall provide an executive summary narrative describing how the funds granted under this Agreement were utilized in support of the Clallam Resilience Projects cost-free Community Meetings and the Collaborative Learning Academy including; enrollment statistics, list of attending agencies, and other relevant information regarding program outcomes.



9

AGENDA ITEM SUMMARY

MAR 20 2023

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: Sheriff / EM

WORK SESSION x Meeting Date: 3-20-23

REGULAR AGENDA x Meeting Date: 3-28-23

Required originals approved and attached? x
Will be provided on:

Item summary:

- | | | |
|---|--|--------------------------------------|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | x Other: Property Procurement |

Documents exempt from public disclosure attached: ☐

Executive summary:

As part of the Property Acquisition for the new Joint Public Safety Facility (New EOC), a title search was conducted on the property on Edgewood Dr. The search disclosed a small parcel along right of way area owned by Sue and Thomas Bond. This property is part of the larger parcel being considered at this time and necessary to complete the boundary line adjustment.

The Bond's have agreed to quit claim the property to the county for \$500.

Attached is the land purchase agreement, a copy of the Quit Claim Deed and other supporting documents related to the action.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

The \$500 for the property is within the "New EOC" budget and no specific action is required.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

If approved, the BOCC will confirm the property transfer with the signing of the Land Purchase Agreement.

* Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting - Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

County Official signature & print name:



Ron Cameron, Undersheriff

Name of Employee/Stakeholder attending meeting: Ron Cameron, Linda Capps

Relevant Departments: Sheriff/EM; Public Works; Finance

Date submitted: 3-15-23

-
- * Work Session Meeting - Submit 1 single sided/not stapled copy
 - ** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Agenda Item Summary Bonds Quit Claim
Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256

COUNTY ROAD NAME Emergency Operations Center CRP
PROPERTY OWNERS Sue and Thomas Bond NO.

CLALLAM COUNTY ROAD DEPARTMENT
Land Purchase Agreement

In exchange for deeded land in the matter of the above said County Project, Clallam County shall provide the following:

A portion of Parcel B of the Bond Large Lot Subdivision - \$500

The undersigned property owners hereby authorize and grant Clallam County the right to provide the above agreement, together with the right to enter upon their remaining lands as may be necessary to perform any of the above. There are no other agreements written or oral other than those stated herein.

Signed at , Washington this day of , 20 .

Sue M. Bond
Property Owner

as for Power of attorney for
Property Owner Thomas C. Bond

Sue M. Bond
Property Owner

Property Owner

Address; Street or Box No.

Address; Street or Box No.

City State Zip

City State Zip

[Signature]
R/W Agent or Witness

R/W Agent or Witness

Reviewed By:

Approved By:
BOARD OF CLALLAM COUNTY COMMISSIONERS

Assistant Engineer Date

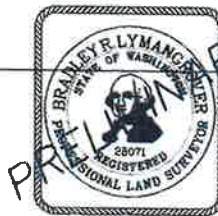
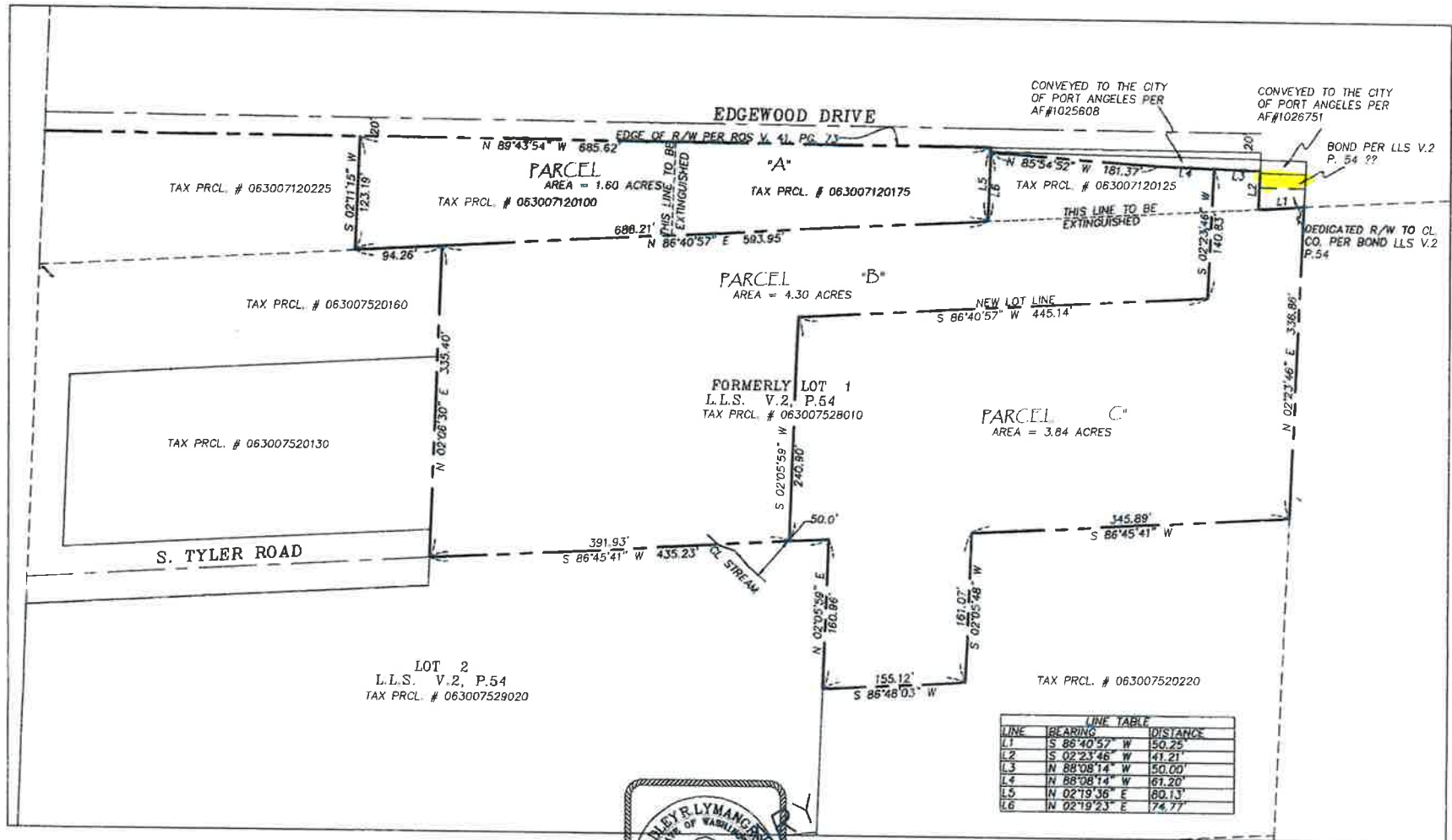
Mark Ozias, Chair Date

County Engineer Date

Randy Johnson Date

[Signature] 3/15/23
Deputy Prosecuting Attorney Date

Mike French Date



SCALE: 1" = 100'	FILE: SKETCH SHOWING PRELIMINARY LOT LAYOUT	
DATE: 12/12/22	MATTHEWS SHORT PLAT	
JOB NO: 22015	SECTION 7, T. 30 N., R. 6W., W.M. CLALLAM COUNTY, WASHINGTON	
SHEET: 1 OF 1	CLIENT: MARK MATTHEWS P.O. BOX 357 PORT ANGELES, WA 98362	B.R. Lymangrove Land Surveying 35 STEVE ROAD PORT ANGELES, WA 98362 PHONE: (360) 427-3381

WHEN RECORDED RETURN TO
Clallam County Public Works Department Road Division

Quit Claim Deed

THE GRANTOR Thomas C. Bond and Sue M. Bond, husband and wife

for and in consideration of \$10.00 and other valuable consideration conveys and quit claims to
**CLALLAM COUNTY, A POLITICAL SUBDIVISION, BY AND THROUGH ITS ROAD
DEPARTMENT**

all right, title and interest in the following described real estate, together with all after acquired
title of the grantor(s) therein, situate in the County of Clallam, State of Washington, being a
portion of Tax Parcel No: 063007-528010

The East 50 feet of that portion of the East half of the East half of the South half of Government
Lot 5 in Section 7, Township 30 North, Range 6 West, W.M., Clallam County, Washington, lying
South of State Route 112;

Except that portion conveyed to the City of Port Angeles as disclosed by Auditor's File No. 1999-
1026751.

Except that portion conveyed to Clallam County in the Bond Large Lot Subdivision, Volume 2,
Page 54.

Situate in County of Clallam, State of Washington.

Dated January 26 2023

Sue M. Bond appears of Thomas C. Bond
GRANTOR: attorney for

GRANTOR:

STATE OF WASHINGTON)
) ss.
COUNTY OF CLALLAM)

On this day personally appeared before me

Thomas C. Bond to me known to be
the individual(s) described in and who executed the within and foregoing instrument, and acknowledged that
she signed the same as her free and voluntary act and deed, for the uses and purposes therein
mentioned.

Given under my hand and official seal this 26 day of January, 2023.

Linda Carpio
Notary Public in and for the State of Washington,
residing at Port Angeles, WA
My appointment expires: 5/23/23



RETURN ADDRESS

Thomas C Bond
3960 So. Tyler Rd
Pcrt Hughes, LA 78362

756830

Please print neatly or type information

Document Title(s)

Durable Power of Attorney

Reference Numbers(s) of related documents

Grantor(s) (Last, First and Middle Initial)

Sue M Bond

Grantee(s) (Last, First and Middle Initial)

Thomas C Bond

Legal Description (abbreviated form: Lt, lot, block, plus or section, township, range, quarter-quarter)

Assessor's Property Tax Parcel/Account Number

The Auditor/Recorder will rely on the information provided on this form. The staff will not read the documents to verify the accuracy or completeness of the indexing information provided herein.

BOOK 1190 PAGE 286

DURABLE POWER OF ATTORNEY
EFFECTIVE IMMEDIATELY

1. Designation. SUE M. BOND residing and domiciled in the State of Washington, as principal, hereby designates my husband, THOMAS C. BOND, as attorney-in-fact, and hereby revokes and terminates all powers of attorney heretofore executed.

2. Effectiveness: Duration. This power of attorney shall become effective immediately and shall not be affected by disability or incompetency of the principal. This power of attorney shall continue until revoked or terminated notwithstanding any uncertainty as to whether the principal is dead or alive. Disability shall include the inability to manage property and affairs effectively for reasons such as mental illness, mental deficiency, physical illness or disability, advanced age, chronic use of drugs, chronic intoxication, confinement, detention by a foreign power or disappearance.

3. Powers. The attorney-in-fact shall have all powers of an absolute owner over the assets and liabilities of the principal, whether located within or without the State of Washington. These powers shall include, without limitation, the power and authority specified below.

3.1 Real Property. The attorney-in-fact shall have authority to purchase, take possession of, lease, sell, convey, exchange, mortgage, release and encumber real property or any interest in real property.

3.2 Personal Property. The attorney-in-fact shall have authority to purchase, receive, take possession of, lease, sell, assign, endorse, exchange, release, mortgage and pledge personal property or any interest in personal property.

3.3 Financial Accounts. The attorney-in-fact shall have authority to deal with accounts maintained by or on behalf of the principal with institutions (including, without limitation, banks, savings and loan associations, credit unions and securities dealers). This shall include the authority to maintain and close existing accounts, to

open, maintain and close other accounts and to make deposits, transfers and withdrawals with respect to all such accounts.

3.4 United States Treasury Bonds. The attorney-in-fact shall have the authority to purchase United States Treasury Bonds which may be redeemed at par value in payment of federal estate tax.

3.5 Moneys Due. The attorney-in-fact shall have authority to request, demand, recover, collect, endorse and receive all moneys, debts, accounts, gifts, bequests, dividends, annuities, rents and payments due the principal.

3.6 Claims Against Principal. The attorney-in-fact shall have authority to pay, settle, compromise or otherwise discharge any and all claims of liability or indebtedness against the principal and, in so doing, use any of the principal's funds or other assets or use funds or other assets of the attorney-in-fact and obtain reimbursement out of the principal's funds or other assets.

3.7 Legal Proceedings. The attorney-in-fact shall have authority to participate in any legal action in the name of the principal or otherwise. This shall include (a) actions for attachment, execution, eviction, foreclosure, indemnity and any other proceeding for equitable or injunctive relief and (b) legal proceedings in connection with the authority granted in this instrument.

3.8 Written Instruments. The attorney-in-fact shall have the power and authority to sign, seal, execute, deliver and acknowledge all written instruments and do and perform each and every act and thing whatsoever which may be necessary or proper in the exercise of the powers and authority granted to the attorney-in-fact as fully as the principal could do if personally present.

3.9 Safe Deposit Box. The attorney-in-fact shall have the authority to enter any safe deposit box in which the principal has a right of access.

3.10 Transfers to Trust. The attorney-in-fact shall have the authority to transfer assets of all kinds to the trustee of any trust which is for the sole benefit of the principal as to the principal's separate property

and which terminates at the principal's death as to the principal's property with the principal's property distributable to the personal representative of the principal's estate.

3.11 Disclaimer. The attorney-in-fact shall have the authority to disclaim any interest, as defined in RCW 11.86.010, in any property to which the principal would otherwise succeed.

3.12 Health Care Decisions. The attorney-in-fact shall have the authority to give informed consent on behalf of the principal to medical, surgical, health and/or nursing care and treatment or non-treatment, as provided in Chapter 7.70 RCW; provided, however, that the attorney-in-fact may not consent, without court approval, to any procedure referred to in RCW 11.92.043(5) that requires court approval before a guardian may consent to it.

4. Termination. This power of attorney may be terminated by

a. the principal by written notice to the attorney-in-fact and, if this power has been recorded, by recording the written instrument of revocation in the office of the recorder or auditor of the place where the power was recorded.

b. by a guardian of the estate of the principal after court approval of such revocation;

c. or by the death of the principal upon actual knowledge or receipt of written notice by the attorney-in-fact.

5. Accounting. Upon request of the principal or the guardian of the estate of the principal or the personal representative of the principal's estate, the attorney-in-fact shall account for all actions taken by the attorney-in-fact for or on behalf of the principal.

6. Reliance. Any person acting without negligence and in good faith in reasonable reliance on this power of attorney shall not incur any liability. Any action so taken, unless otherwise invalid or unenforceable, shall be

binding on the heirs and personal representatives of the principal.

7. Indemnity. The estate of the principal shall hold harmless and indemnify the attorney-in-fact from all liability for acts done in good faith and not in fraud of the principal.

8. Nomination of Guardian. The principal nominates those persons designated in paragraph 1 to act as co-guardians of the principal's estate and co-guardians of the principal's person if protective proceedings for the principal's person or estate are ever commenced.

9. Applicable Law. The laws of the State of Washington shall govern this power of attorney.

DATED this 21 day of November, 1995.

Sue M. Bond
SUE M. BOND

STATE OF WASHINGTON

COUNTY OF CLALLAM

On this 21st day of November, 1995, before me the undersigned, a Notary Public in and for the State of Washington, duly commissioned and sworn, personally appeared SUE M. BOND, known to be the individual named in and who executed the within and foregoing instrument; and she acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

WITNESS my hand and official seal hereto affixed the day and year first above written.

NOTARY PUBLIC in and for the
State of Washington
My Commission Expires: 2-28-97

756830



10
MAR 20 2023

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: Sheriff / Emergency Mgt.

WORK SESSION x Meeting Date: 3-20-23

REGULAR AGENDA ☐ Meeting Date:

Required originals approved and attached? x
Will be provided on:

Item summary:

- | | | |
|---|--|--------------------------------------|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | x Other JPSF Property Memo |

Documents exempt from public disclosure attached: ☐

Executive summary:

Attached is a Memorandum from Jackson and Associates and supporting documents outlining the due diligence research for the property being considered for acquisition and purchase for the new Joint Public Safety Facility. After this research, Mr. Jackson has identified no information that would disqualify the property from being considered for purchase for the Facility construction.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

Not in this action

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

The submission is for the commissioners to review and discuss for consideration the next steps in finalizing this location as the final property selection. Because this is a joint project with the City of Port Angeles, we are also presenting the information to the City Council at their meeting on 3-21-23 for their review as well.

The property is under a purchase agreement at this time with the owner. It is expected the closing date will be extended from March 31, to the end of April, 2023 to allow time for the BOCC and the PA City Council to discuss the acquisition of the property.

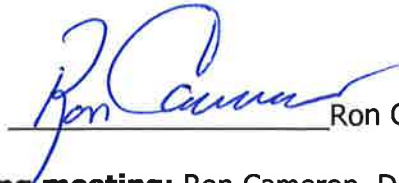
* Work Session Meeting - Submit 1 single sided/not stapled copy

Agenda Item Summary 3-23 Due Diligence memo

** Regular Meeting - Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Revised: 3-04-2019

County Official signature & print name:



Ron Cameron, Undersheriff

Name of Employee/Stakeholder attending meeting: Ron Cameron, Dale Jackson, others

Relevant Departments: Sheriff/EM, Parks and Facilities, Finance, City of Port Angeles

Date submitted: 3-15-23

* Work Session Meeting - Submit 1 single sided/not stapled copy

Agenda Item Summary 3-23 Due Diligence memo

** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Revised: 3-04-2019



Brian King
Sheriff

Clallam County Sheriff's Office

WASPC Accredited Agency

*223 East 4th Street, Suite 12
Port Angeles, WA 98362-3015*

*Support Services: (360)417-2270
Fax: (360)417-2498*

<https://www.clallamcountywa.gov/497/Sheriff>

sheriff@clallamcountywa.gov

Ron Cameron
Undersheriff

Amy Bundy
Chief Criminal Deputy

Alice Hoffman
Chief Civil Deputy

Don Wenzl
Chief Corrections Deputy

FILE:

March 15, 2023

To: Board of Clallam County Commissioners
Port Angeles City Council

From: Ron Cameron, Undersheriff

Re: Joint Public Safety Facility

Elected Officials,

Over the last several months, the project manager for the new Joint Public Safety Facility, Dale Jackson, has spearheaded the research, study and due diligence on the property located along Edgewood Dr. just east of the Port Angeles City Limits. Mr. Jackson worked with a number of professionals on the suitability of this property to locate the Clallam County Emergency Operations Facility / Department and the new "PENCOM" 911 Dispatch center operated by the City of Port Angeles.

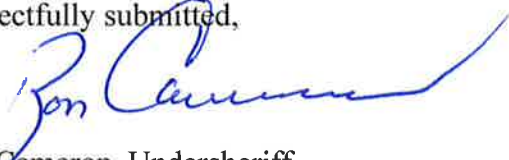
On March 14, 2023, I received the attached email with the results of Mr. Jackson's efforts. In short, he reports finding no information from geotechnical, environmental or other reviews that would disqualify this property as an acceptable option for consideration of placing the new facility.

This information is being presented to both the Board of Clallam County Commissioners and the City of Port Angeles Council for review of the information and to determine if this site is acceptable. Other decisions related to this matter such as legal ownership are items that still need to be determined.

As a spectator of the due diligence process, I am confident that Mr. Jackson's review and research was complete. I was present when he questioned results of some of the tests to gain confident answers from engineers and other professionals in their conclusions.

To be clear, no definitive action is being asked in this case. This information is being presented as an initial request for the Board of Clallam County Commissioners and the City of Port Angeles Council to review and discuss the results provided for consideration of further steps in site acquisition process or recommendations for the Joint Public Safety Facility Project.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Ron Cameron", with a long, sweeping horizontal stroke extending to the right.

Ron Cameron, Undersheriff



MEMORANDUM

15 March 2023

Re: Notification of Completion of Environmental and Engineering Due Diligence Inquiries for the Clallam Joint Public Safety Facility

To: Clallam County Board of Commissioners

From: Dale Jackson, JPSF Project Manager

**cc: Brian King, Clallam County Sheriff
Ron Cameron, Clallam County Undersheriff
Nathan West, City Manager, City of Port Angeles
Brian Smith, Police Chief, City of Port Angeles**

SUMMARY and RECOMMENDATION:

The purpose of this Memorandum is to inform the Clallam County Board of Commissioners (CCBoC) that all technical inquiries (environmental and engineering) and regulatory reviews necessary to establish the suitability of the proposed construction site for the Clallam Joint Public Safety Facility (JPSF) have been completed. These due diligence inquiries revealed no information that disqualifies any portion of Assessor's Parcel No. 063007528010 (the West Edgewood Dr., or Mathews property site) as a suitable site for the JPSF.

The technical inquiries and regulatory reviews referred to above consisted of the following:

1. A subsurface geotechnical investigation of the site seismic and hydrological properties;
2. A Phase I Environmental Site Assessment (Phase I ESA);
3. A chemical analysis of site soil and subsurface water samples to screen for the presence of volatile organic compounds and heavy metals;
4. A soils evaluation to establish that an on-site septic system can be installed on the site;
5. An assessment of Dry Creek Water District's ability to supply suitable water flows;
6. Securing a completed SEPA review performed by the City of Port Angeles;
7. Obtaining a Department of Archeology and Historic Preservation site approval; and,
8. Facilitating a consultation process soliciting Tribal Nation input to site acceptability.

The proposed site identified above is currently subject to a purchase contract to which the County is party, and specifying that escrow must close on or before March 31, 2023.¹ **When all of the real**

¹ As of the date of this memorandum, the property owners have agreed to extend the escrow closing deadline to April 30, 2023 to allow sufficient time for information to be presented to the legislative bodies of the County and the City and due deliberation to occur, and if necessary, for the land subdivision process to be completed. The owner's signature however, has not yet been obtained.

property transaction responsibilities assigned by the CCBoc to the Right of Way staff of the Clallam County Department of Public Works have been completed to the satisfaction of the Commissioners, Jackson & Associates recommends moving forward with the real property purchase transaction.²

BACKGROUND:

In 2018, having for over a decade recognized a crucial need, Clallam County and the City of Port Angeles joined in a partnership to build infrastructure that will house important public safety facilities. The partners realized that critical public safety functions are currently housed in facilities that are inadequately sized, and are likely vulnerable to destruction in the event of a major manmade or natural disaster.

To address the recognized need, the partners agreed to undertake a project to build a Joint Public Safety Facility (JPSF) that would house the County's emergency management functions, including an Emergency Operations Center (EOC) and the City's 911 telephone answering point and public safety dispatch facility known as PenCom Center. Project plans also originally included the design and construction of a West Side Fire Station for the City of Port Angeles, however, that component was withdrawn by the City in late 2022. The site selected will in any case continue to provide space for the future construction of a fire station.

Project Phase I produced a facility conceptual design and was completed in October 2020. Project Phase II consists of two subphases known as IIa, Preliminary Design, and IIb, Full Detailed Design. Phase IIa which is expected to be completed at the end of this month, focused on selection of a proposed construction site for the JPSF, evaluating that site's technical suitability (i.e., environmental and geotechnical condition), preparation of an updated construction cost estimate, and developing a site civil engineering plan. Phase IIb will produce a full detailed facility design and construction documentation sufficient to solicit construction bids, and is planned to be completed in early 2024. Project Phase III will manage the actual construction and commissioning of the JPSF facility which is planned for completion in early to mid-2025.

During Phase IIa, several properties were identified and considered as prospective construction sites for the JPSF. *See* **FIGURE 1** map of sites considered. The eastern half of a 7.8 parcel located about 50 yards south of W. Edgewood Dr. in the 2000 block of that roadway was ultimately determined to be most suitable location, and a purchase agreement was negotiated with the private owner in November 2022. This site became known to the project as the "W. Edgewood" or "Mathews" site. It is depicted as site D on **FIGURE 1**.

² Jackson & Associates understands that all traditional real estate sales transaction authorities and responsibilities (e.g., title searches, procuring title insurance, preparing and filing sales transaction documents, etc.) were assigned to the Right of Way staff of the Clallam County Department of Public Works. Accordingly, Jackson & Associates has not been involved in those transactions and makes no representation here, express or implied as to the adequacy or completeness of those activities.



Panorama View Across Edgewood Site to the West



View to East Across Edgewood Site

Since the County needed less than the full 7.8 acres that comprised the W. Edgewood property as a construction site for the JPSF, the owner agreed to subdivide the location during escrow and tender the eastern 3.8 acre parcel thus created to the County. Clallam County Community Development received the property owner's application and issued a preliminary subdivision short plat creating two new parcels on February 10, 2023. See FIGURE 2 for diagram of plat layout.

Pursuant to its contract with Clallam County, Jackson & Associates has performed a variety of activities intended to assess the physical suitability of the W. Edgewood property as the prospective location for the JPSF. Investigations were also conducted to determine whether the property is, or has ever been contaminated with any hazardous waste, other hazardous substances or petroleum products. The inquiries were conducted both independently and in some cases in consultation with OAC, Inc., the projects outside A&E design firm and GeoEngineers Inc. when specific engineering expertise was required.

Geotechnical Assessment:

The location's seismic stability and subsurface hydrological properties were assessed by the performance of a geotechnical subsurface investigation performed by GeoEngineers, Inc. primarily during the month of December 2022. GeoEngineers reported that the site's subsurface structure

consists of between 10 to 25 feet of a sand and gravel mixture that overlies very compact and hard glacial till. The site is believed to be seismically very stable, and is unlikely to undergo either liquefaction, spreading, or surface rupture in the event of an earthquake. The nearest significant geological fault is located approximately one-half mile south of the proposed JPSF location.

GeoEngineers also reported that while some shallow subsurface water was encountered during site investigation drilling activities, the water likely represents isolated perched aquifers that should not present any difficulties during site development and subsequent occupancy. While some additional geotechnical investigation work may be necessary during detailed design to support site drainage system design, the site is believed to be acceptable in all regards from a geotechnical perspective, and site geology should not deter a decision to acquire the W. Edgewood location.

Phase I Environmental Site Assessment and Chemical Screening:

In order to assess the possible existence of current or former Recognized Environmental Conditions or RECs potentially affecting the proposed JPSF site, Jackson & Associates performed a Phase I Environmental Site Assessment (Phase I ESA) meeting standards established by ASTM E1527-13. The ASTM Standard defines a REC as:

. . . [T]he presence or likely presence of any hazardous substances [which includes hazardous waste] or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. . . .

From December 2022 through January 2023, Jackson & Associates performed a variety of inquiries required by the ASTM Standard including, but not limited to performing a site reconnaissance and physical evaluation, searching regulatory data bases, interviewing the current site owners and surrounding property owners, reviewing aerial photographs and historic topographical maps, and property records. None of the inquiries performed resulted in discovery of any information suggesting the possible existence of any RECs applicable to or affecting the subject site. A 208 page Phase I ESA report was prepared and delivered to Clallam County on March 6, 2023.³

Although the Phase I ESA discovered no information suggesting the existence of a REC affecting the site, it did reveal the existence of several nearby sites where known releases of hazardous substances or petroleum products have occurred, or unpermitted solid waste disposal activities have taken place in the past. As a consequence, Jackson & Associates recommended, and the CCBoc approved the sampling and chemical analysis of soil and subsurface water at the W. Edgewood site.

³ Although the Phase I ESA was commissioned by and is expressly limited to the exclusive use of Clallam County, the County's partner in this project, the City of Port Angeles may also use and rely upon the content of the ESA if it is granted written permission by Clallam County and requests a "reliance letter" from Jackson & Associates. Jackson & Associates anticipates that the City will make such a request.

At Jackson & Associates' request, GeoEngineers, Inc. collected four soil samples and one subsurface water sample at the site on February 24, 2023. The samples were submitted to Pace Analytical Laboratories for analysis of heavy metals and volatile organic compounds. This type of analysis determines concentrations of eight heavy metals that are considered toxic (all eight reported below) and eighty-seven volatile and semi-volatile organic compounds (only those detected are reported below). The results of Pace Analytical's work is summarized in **TABLE 1** below. While the presence of several substances at concentrations above background levels were detected, none were present at a concentration representing a health risk or regulatory concern.

TABLE 1
Chemical Screening Analysis Results

	Action Levels ppm (mg/kg) *	TCLP Limit mg/kg	Sample B2W mg/kg	Sample B1S mg/kg	Sample B2S mg/kg	Sample B3S mg/kg	State Wide Background mg/kg
HEAVY METALS							
Arsenic	20	5	ND	10.7	4.63	3.94	6.97
Barium	1250	100	ND	269	106	84.4	1.60
Cadmium	25	1	ND	ND	ND	ND	0.99
Chromium (total)	135	5	ND	64.5	48.7	48.9	23.3
Lead	220	5	ND	6.02	4.73	3.43	6.75
Mercury **	9.0 / 0.7	0.2	ND	ND	ND	ND	0.08
Selenium	0.8	1	ND	ND	ND	ND	0.504
Silver	U	5	ND	ND	ND	ND	U
ORGANIC COMPOUNDS							
Acetone	7200	NA	0.00466	ND	ND	ND	NA
Gasoline Range Organics	200	NA	ND	ND	ND	ND	NA
Diesel Range Organics	460	NA	ND	ND	5.60	6.08	NA
Residual Range Organics	2000	NA	ND	ND	18.60	15.3	NA

ND = Not Detected U = Undetermined NA = Not Applicable

• For industrial or commercial land use from Table 745-1 and 749-2 in WAC 173-340-900

** Inorganic / organic respectively

*** C25 - C36, which mainly include heavy fuel oils, lubricating oils, waxes and related products, asphalts and pitch.

Soils Evaluation for Suitability of Septic System:

The W. Edgewood location is currently not served by a municipal sewer system, and it has been determined that cost of bringing municipal sewer service to the site will likely be two to three million dollars. It was determined during the fall of 2022 by Zenovic Engineers, the JPSF civil engineering sub-contractor, that a standard small on-site septic system could serve the JPSF either as the primary, or as a backup waste disposal system if location soils were of a proper type. It was also determined that a properly engineered on-site septic system can be designed and installed at a cost that is an order of magnitude less than that of extending municipal sewer service to the location.

On January 12, 2023, Soils Application, Inc., a local company specializing in the design and installation of septic systems examined the W. Edgewood site to determine the ability of the location's soils to support an on-site septic system. Soils Applications excavated five shallow trenches and physically examined the soil strata in the presence of a Clallam County Environmental Health official. Both the Soils Application and County Health official determined that the soil matrix of the location is capable of supporting an on-site septic system able to accept and process the volume of domestic sewage expected to be generated by the JPSF in full operation. Soils Application has filed a report of its favorable findings with the Clallam County Environmental Health Department.

Potable Water and Fire Suppression Flow:

Prior to making a finally determination on the suitability of the W. Edgewood site as the location for the JPSF, it was deemed prudent to confirm the availability and flow rates of potable and fire suppression water. Dry Creek Water District (Dry Creek) is the current purveyor of water at the site.⁴ In January, 2023, Zenovic Engineers was tasked to consult with Dry Creek and determine its ability to deliver required volumes of water.

Zenovic reported that based upon its experience with other projects in the area of the proposed JPSF site, its consultations with Dry Creek, and examination of available data bases, it believes that the purveyor should have no difficulty meeting the JPSF's potable and sanitation water needs. Dry Creek has stated that it is willing to supply the needed water and that the City/County need only make an application for service when water is needed.

Zenovic also believes that Dry Creek's system is capable of supply adequate fire suppression water flow at the JPSF site. While establishing the ability of a system to deliver flows requires actually testing under operational conditions, Zenovic believes that Dry Creek's system is sufficiently sized and has necessary pressure to meet fire flow needs. It was pointed out that should Dry Creek not meet expectations, a combination of booster pumps and on-site cisterns could be utilized to meet fire

⁴ The City of Port Angeles has expressed its preference that the JPSF utilize its municipal water system to supply both potable and fire suppression water. However, extending the City municipal system to the site would involve costs similar to that of extending the municipal sewer system (i.e., likely in the vicinity of \$2 million). While extending the municipal water supply to the JPSF site is certainly an alternative should Dry Creek Water District's supply prove unavailable for any reason, JPSF project management does not believe it is financially viable at this time.

flow needs. It is concluded that water supply is not a factor that should deter a decision to acquire the W. Edgewood site.

Other Pre-Acquisition Requirements Addressed:

In addition to the issues discussed above, it was necessary to assure that three other major regulatory requirements have been satisfied before a recommendation to move forward with acquisition of the W. Edgewood JPSF site could be made. It has been confirmed that analysis of project environmental impacts has been performed in conformity with the requirements of the State Environmental Policy Act (SEPA), that an approval of the proposed project site has been issued by the Washington State Department of Archeology and Historic Preservation (DAHP), and that a tribal consultation process soliciting input from affected Native American tribes on the acceptability of the proposed JPSF site has been conducted and concluded. Inquires confirmed that a SEPA review was performed by the City of Port Angeles Community Development Department and concluded with the publication of a mitigated determination of non-significance in January 2023; that the DAHP received the project's application and granted an approval for the W. Edgewood site in October 2022; and, tribal consultation with affected tribal nations began in December 2022 and concluded in January 2023 with no objections to the project's location being received.

All environmental regulatory and procedural requirements have been met. There is no remaining issue that should deter moving forward with acquisition of the W. Edgewood site.

ALTERNATIVES:

JSPF Project management is unaware of any reasonable alternative that might be recommended at this time. Delaying close of escrow on the W. Edgewood property at this time would risk loss to the acquisition opportunity, result in significant project schedule delays, and likely result in increased project costs.⁵

⁵ The project is aware that the City of Port Angeles desires to secure an ownership interest in the JPSF facility as a condition of its project participation. The City and County are currently laboring to develop a formal written agreement that will define the rights and liabilities of each party in a joint ownership scenario. While the process of developing an appropriate agreement is underway, it likely cannot be concluded before the current (March 31st) or proposed extended (April 30th) deadline for close of escrow is reached. In order to avoid risk of loss of the acquisition opportunity, it is recommended that the CCBoc consider moving forward by closing the current escrow, and subsequently conveying an interest in the site to the City after the parties have concluded developing a joint ownership agreement.

SITES OF INTEREST AND CRITICAL AREAS

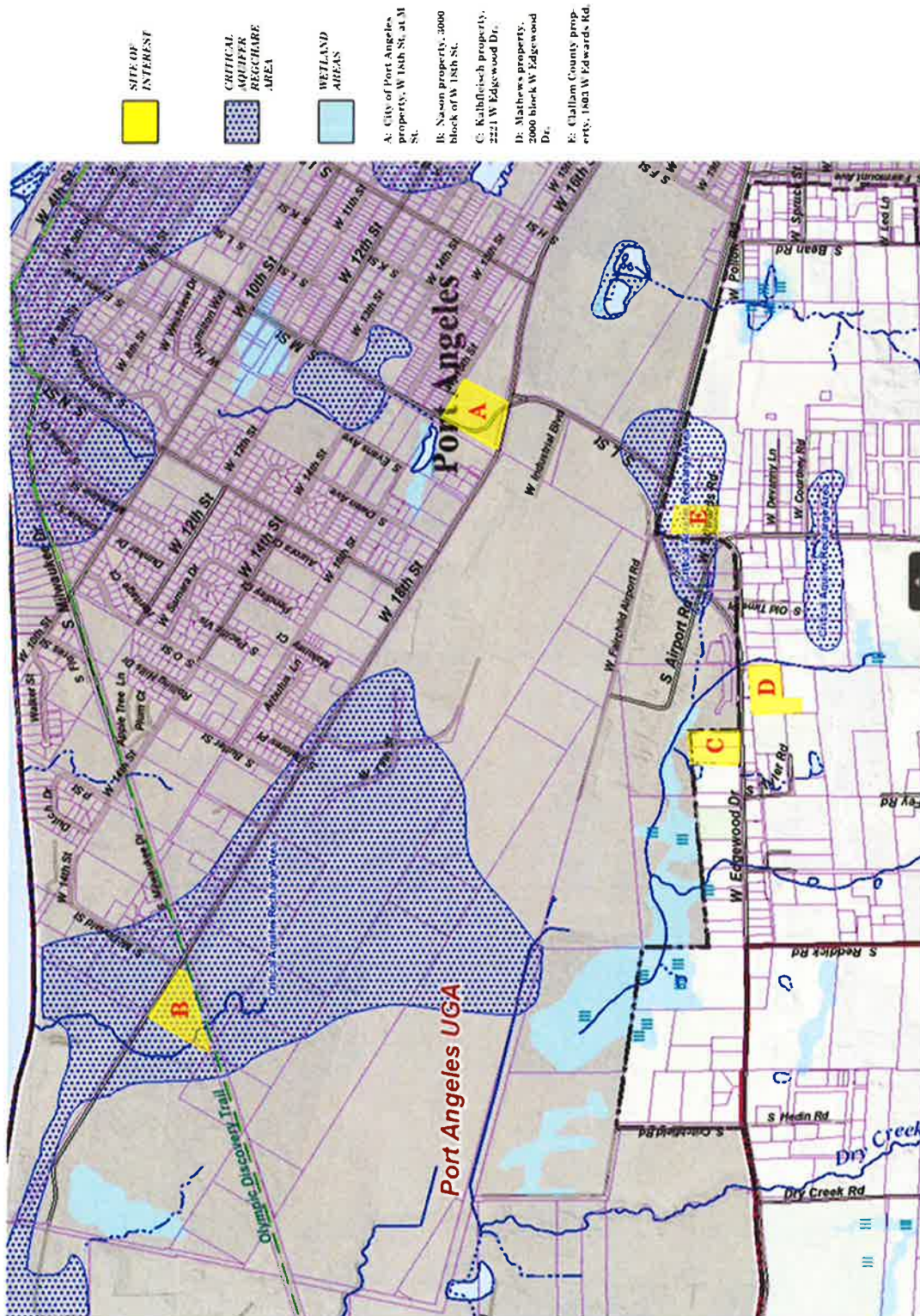


FIGURE 1
Potential Construction Sites for the JPSF

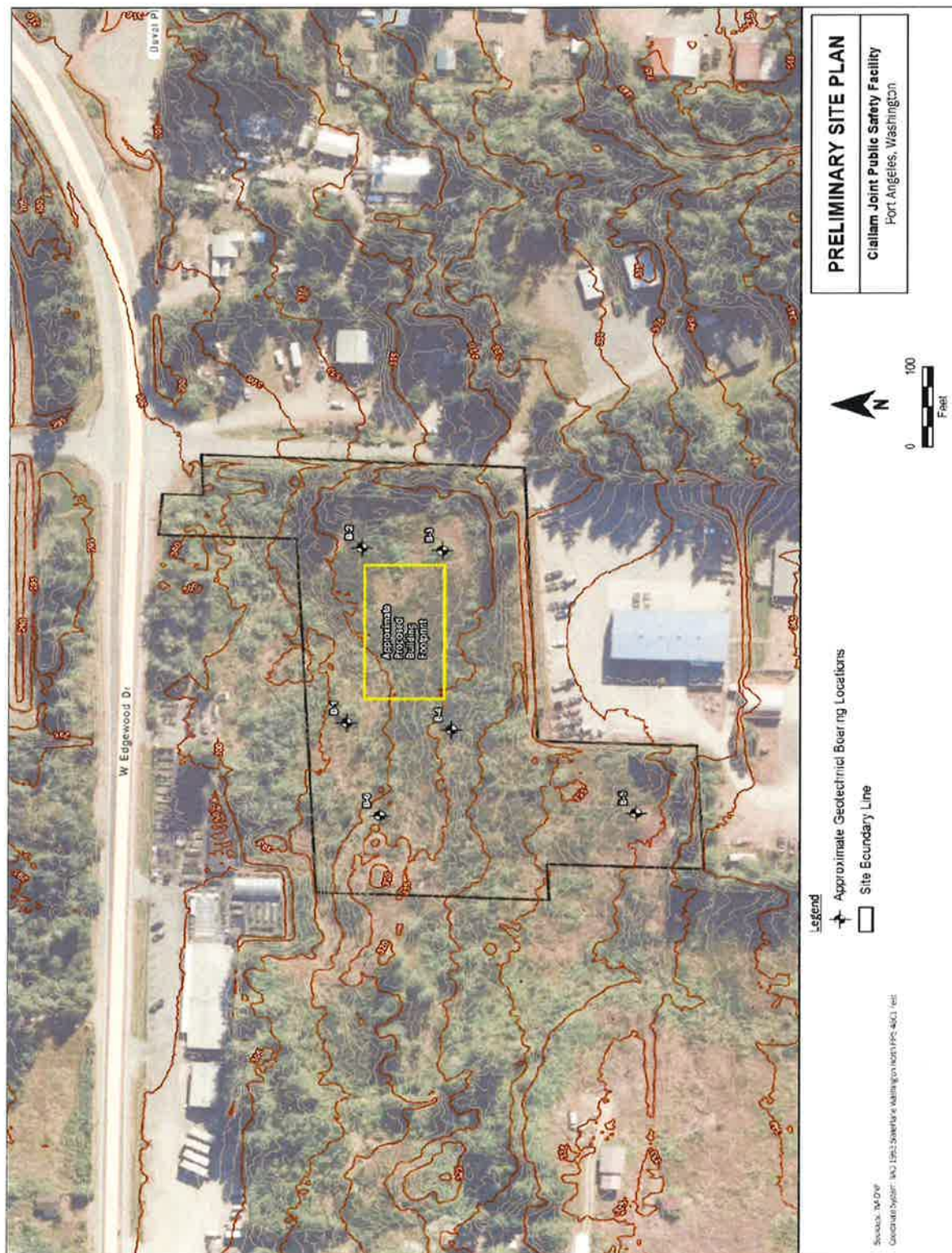


FIGURE 3
JPSF Proposed Facility Layout

King, Brian

From: Sheri Crain <scrain@sequimwa.gov>
Sent: Monday, March 13, 2023 2:44 PM
To: King, Brian; bsmith@cityofpa.us
Subject: RE: Coffee with Colleen March 22

That works for me. I can do Wednesday lunch rotary this week. Still at the Red Lion?

From: King, Brian <brian.king@clallamcountywa.gov>
Sent: Monday, March 13, 2023 2:36 PM
To: bsmith@cityofpa.us; Sheri Crain <scrain@sequimwa.gov>
Subject: FW: Coffee with Colleen March 22

EXTERNAL SENDER: This email originated outside the organization. Do not click links or open attachments unless you verify the sender and know the content is safe.

List of topics to consider. I confirmed with Lorie our participation.

Sheri could be our guest for our noon Rotary on Weds? Then we could talk about our talk next week?



Brian J. King

Sheriff

Phone: 360-417-2544

Mobile: 360-460-7273

Email: brian.king@clallamcountywa.gov

Clallam County Sheriff's Office

223 E 4th Street, Suite 12

Port Angeles, WA 98362

www.clallamcountywa.gov/497/Sheriff

From: Lorie Fazio <lfazio@clallam.org>
Sent: Monday, March 13, 2023 9:08 AM
To: King, Brian <brian.king@clallamcountywa.gov>
Subject: Coffee with Colleen March 22

Good morning Brian,

I wanted to confirm with you that Wednesday March 22 on our Clallam EDC Coffee with Colleen Chat would be a good fit for yourself, Sequim Chief of Police Sheri Crain, and Port Angeles Chief of Police Brian Smith to present on the call.

Here are a few topics to consider:

- Update on Legislative Bills this session.
- Code Enforcement
- Project Lifesaver
- Homelessness in Clallam County
- School Resource Officer (Port Angeles)
- College Intern & Volunteer Programs

Here is a small outline for our Wednesday morning chat on Coffee with Colleen:

- 1) As the guest presenter you would provide any information for the agenda in advance (run of show, what to expect, etc.). We will begin the chat at 8 AM, we typically have 40-100 people join us from around our county each week. Colleen will make introductions and thank everyone for joining us. Our guests typically have 40 - 45 minutes for their presentation. Possibly each of you will have about 15 minutes each for your presentation to the group.
- 2) We allot 15-20 minutes for Q&A as we like to make the chat interactive with the attendees on the call. We are scheduled to end the meeting at 9 AM or a few minutes afterwards. We do record the chat and post it to our website at www.clallam.org for those who were unable to join.

Please let me know as soon as you can if next Wednesday will work.

Thank you,

Lorie



Lorie Fazio | Exec. Business Relationship Manager | Clallam County EDC

📞 Office 360.457.7793 | Cell 360.460.9946

338 W First St, Suite 105, Port Angeles, WA 98362

✉️ lfazio@clallam.org | www.clallam.org

Geotechnical Engineering Services Report

Port Angeles Emergency Operations Center
Port Angeles, Washington

for

OAC Services, Inc.

February 28, 2023

Geotechnical Engineering Services Report

Port Angeles Emergency Operations Center
Port Angeles, Washington

for

OAC Services, Inc.

February 28, 2023



1101 South Fawcett Avenue, Suite 200
Tacoma, Washington 98402
253.383.4940

Geotechnical Engineering Services Report
Port Angeles Emergency Operations Center
Port Angeles, Washington

File No. 0598-015-00

February 28, 2023

Prepared for:

OAC Services, Inc.
2200 1st Avenue South, Suite 200
Seattle, Washington 98134

Attention: John Rupp, PE

Prepared by:

GeoEngineers, Inc.
1101 South Fawcett Avenue, Suite 200
Tacoma, Washington 98402
253.383.4940



Christopher R. Newton, PE
Geotechnical Engineer



02/28/2023



Morgan McArthur, PE
Associate Geological Engineer



02/28/2023

CRN:MM:tlm

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

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Figure 1. Vicinity Map

Figure 2. Site Plan

APPENDICES

Appendix A. Subsurface Explorations and Laboratory Testing

Figure A-1 – Key to Exploration Logs

Figures A-2 through A-7 – Logs of Borings

Figure A-8 and A-9 – Sieve Analysis Results

Appendix B. Report Limitations and Guidelines for Use

1.0 INTRODUCTION AND PROJECT UNDERSTANDING

This report presents the results of our geotechnical engineering services for the proposed Emergency Operations Center (EOC), also referred to as the Joint Public Safety Facility (JPSF), to be located in Port Angeles, Washington. The project site is located southwest of the intersection of South Tyler Road and West Edgewood Drive and is designated as Clallam County Parcel Number 063007-528010. The approximate project location is shown on Figure 1. Vicinity Map. The proposed project site will occupy the northeast corner of the parcel. The preliminary parcel is irregularly shaped and approximately 3.84 acres.

Our project understanding is based on discussions with you, a review of a preliminary Conceptual Site Layout Plan by Zenovic & Associates and dated December 12, 2022, and a review of a preliminary lot layout plan by B.R. Lymangrover Land Surveying and dated December 12, 2022. We understand that the new EOC will consist of a single-story steel-framed structure located near the center of site. The structure is envisioned to span from outer wall to outer wall, but some non-load bearing interior walls are also envisioned. Other site improvements include a new parking lot and emergency vehicle access areas.

We understand stormwater facilities may be included in the project, but specific stormwater infiltration or detention facilities have not yet been determined. We further understand that stormwater infiltration or detention facilities will be designed and constructed in accordance with the 2019 Washington State Department of Ecology's *Stormwater Management Manual for Western Washington* (SWMMWW), as adopted by Clallam County.

2.0 SCOPE OF SERVICES

The purpose of our services is to explore subsurface conditions to form a basis for developing geotechnical design and construction recommendations for the proposed Port Angeles EOC. Our services have been provided in general accordance with our Subconsultant Agreement with OAC Services, Inc. (OAC) executed on October 17, 2022 and our project proposal dated September 23, 2022. A complete list of our scope of services is provided in our proposal.

3.0 SITE CONDITIONS

3.1. Surface Conditions

The project site is currently vacant and vegetated with grass, small trees, and other brush. The site is generally bounded by the Airport Garden Center and West Edgewood Drive to the north, South Tyler Road to the east, a commercial property to the south, and undeveloped property to the west. The project site is generally undeveloped; however, some past grading and fill activities have occurred based on subsurface conditions encountered and described below.

The topography across the site generally slopes downward to the north, and the southern portions of the site are slightly hummocky. Slope inclinations are variable across the site and range from approximately 24H:1V (horizontal to vertical) to 5H:1V. Topographic relief across the site is approximately 35 feet, from Elevation (EL) 300 feet at the northeast corner to EL 335 feet in the southwest corner. Elevations in this

report are referenced to the North American Vertical Datum of 1988 (NAVD88). Elevations should be considered approximate.

Shallow standing water was also observed in several areas along the ground surface at the time of our explorations. Some of these areas were at the toe of the north facing slope, at the southwest corner of the site (boring B-5), along an apparent manmade trench across the northern portion of the site, and along the surface surrounding boring B-1. Based on our observations, the shallow standing water observed is likely the result of perched groundwater seepage from the hillside and recent precipitation events.

3.2. Literature Review

3.2.1. Geologic Map

The geologic information we reviewed in the project vicinity includes the *Geologic Map of the Port Angeles and Ediz Hook 7.5-minute Quadrangles, Clallam County, Washington* (Schasse et al. 2004). The project site is mapped as Juan de Fuca lobe till (Qgt). The Juan de Fuca lobe till is described to consist of a highly compact mixture of silt, clay, sand, gravel, and boulders that were directly deposited and overridden by glacial ice. The upper few feet of glacial deposits can commonly be weathered and in a medium dense condition.

Other soil units mapped within a half mile of the project site include recessional outwash soils (Qgo, Qgoi) 800 to 2000 feet to the northeast and southeast, respectively, modified land (Qml) at the William R Fairchild airport to the north, and older alluvium (Qoaf) approximately 2,000 feet to the northwest.

Recessional outwash is described to consist of gravel, sand, silt, clay, and locally peat, and was deposited by melt water from glacier recession. The older alluvium is described to consist of gravel, sand, silt, clay, and peat. Recessional outwash and alluvium soils are generally in a loose to medium dense condition and have not been glacially overridden like glacial till.

3.2.2. Water Well Information

We searched the Washington State Department of Natural Resources (WADNR) Interactive Geologic Information Portal (DNR Geologic Portal) on February 8, 2023, for water well log reports in the project vicinity. Our search identified one water well log report located about 1 mile east from the project site. Reported subsurface information from the reviewed water well log report is shown in Table 1 below.

TABLE 1. SUBSURFACE INFORMATION FROM WELL LOGS

Ecology Well ID (Well Depth)	Well Location	Reported Depth to Static Groundwater from Top of Well (Date of Measurement)	Approximate Groundwater Elevation¹ (feet)	General Soil Conditions Reported
AFC 843 (340 feet)	1224 Spruce Street (~1 mile east of site)	313 feet (07/19/2001)	52	"Hardpan", clay, compacted gravel; no artesian conditions noted.

Notes:

¹ Elevations are referenced to the NAVD88 and should be considered approximate.

Soils described in the reviewed well log report appear to predominantly consist of glacial deposits or older materials that have been consolidated by glacial advance. We interpret the static groundwater level

reported in the reviewed well log to be representative of a deeper regional groundwater table in the EOC project vicinity. However, zones of perched groundwater could be present in the project vicinity. It is common for glacial till soils to contain zones of perched groundwater as described in Section 3.3.2 Soil and Groundwater Conditions.

3.3. Subsurface Conditions

3.3.1. Subsurface Explorations and Laboratory Testing

We explored subsurface conditions at the site by advancing six borings (B-1 through B-6) at the approximate locations shown on the attached Figure 2, Site Plan. A description of our subsurface exploration program and summary exploration logs are provided in Appendix A, Subsurface Explorations and Laboratory Testing.

Selected samples collected from our borings were tested in our laboratory to confirm field classifications and to evaluate pertinent engineering properties. Our laboratory testing program included grain-size distribution analyses, percent fines determinations, and moisture content determinations. A summary of our laboratory testing program and the test results are provided in Appendix A.

3.3.2. Soil and Groundwater Conditions

We encountered what we interpret to be fill overlying glacial till deposits in borings B-1 through B-5; glacial till deposits were noted from the ground surface to the depths explored in boring B-6.

The fill material in borings B-1 through B-5 extended to depths ranging from about 1½ to 13 feet below ground surface (bgs) and generally consisted of very loose to medium dense silty sand and stiff to hard sandy silt, both containing variable gravel content. Borings B-1 through B-4 were located near the proposed EOC building footprint, with B-1 and B-2 by the northern corners and B-3 and B-4 by the southern corners. The fill extended to about 5 and 1½ feet bgs at B-1 and B-2, respectively. Fill extended to about 11 and 13 feet bgs at B-3 and B-4, respectively. Based on our observations, we anticipate that existing fill thickness increases in the southern portion of the proposed building footprint. All borings were terminated in glacial till at depths ranging from about 15 to 24 feet bgs.

Underlying the fill material and from the ground surface in boring B-6, we observed material we interpret to be glacial till. The glacial till generally consisted of very dense sand with variable silt and gravel content and hard silt with variable sand and gravel content. However, the upper 6 to 7 feet of glacial till in boring B-2 was observed to be weathered and medium dense. The very dense glacial till contact varied at the site and was encountered between about EL 300 and EL 324 feet. For the purposes of this report, we have assumed that the EOC building footprint will remain within the approximate boundary confined by borings B-1 through B-4. Therefore, for foundation design considerations described in this report, very dense glacial till can be estimated at about EL 300 feet. If the EOC building footprint moves elsewhere on site, we can help provide a revised elevation for the very dense glacial till.

We did not observe what we interpret to be the regional groundwater table in our explorations. We did, however, observe groundwater in boring B-2 at about 4½ feet bgs. Zones containing moist soil conditions were also observed beneath this depth. Intermittent wet soil zones were also observed in borings B-2 and B-3. Indications of periodic groundwater were observed in some of the other borings based on soil coloring and oxidation staining. Based on the reviewed well log report and our experience, we interpret groundwater and indications of groundwater observed in our explorations to be associated with perched groundwater. It

is common for glacial till soils to contain isolated zones of perched groundwater, particularly at the contact between more permeable and less permeable soils (such as the interface between fill and glacial till, or within weathered zones of glacial till or cleaner sand and gravel seams). We anticipate that perched groundwater could be present throughout the site or at other depths, depending on soil conditions, precipitation events, and other factors. We expect that perched groundwater levels will generally be highest during the wet season, typically October through May.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1. Key Geotechnical Considerations

Based on our understanding of the project, the explorations performed for this study and our experience, it is our opinion that the proposed improvements can be designed and constructed generally as envisioned with regard to geotechnical considerations. A summary of key geotechnical considerations for the project is provided below and is followed by our detailed recommendations.

- Proposed structures at the site can be supported using spread footings, mats, and slabs-on-grade, provided that the foundation bearing surfaces are prepared as recommended.
- For budgeting purposes, we recommend assuming that up to 25 percent of slab-on-grade areas and footings will require overexcavation and replacement with up to 1 foot of structural fill in order to establish a suitable subgrade surface.
- We did not observe the regional groundwater table in our explorations advanced for this study; however, we observed what we interpret to be perched groundwater at the site. Shallow standing water was also observed at the ground surface in several areas.
- We did not identify liquefiable soils in our explorations and in our opinion the risk of liquefaction occurring at this site is low.
- Clearing and stripping depths at the site will typically be on the order of 6 to 9 inches.
- Soils observed at the site contain a significant amount of fines, and, therefore, could be difficult or impossible to work with when wet or become easily disturbed if exposed to wet weather. Depending on the intended use of the material and the moisture/weather conditions, it may be difficult to re-use on-site soils as structural fill.
- Based on our observations, the infiltration capacity of the observed site soils is low. Additional field testing will be necessary to further evaluate the suitability of site soils for stormwater infiltration and to establish a design infiltration rate if infiltration is included in design.

4.2. Seismic Design Considerations

4.2.1. Seismic Design Parameters

We understand seismic design of proposed structures will be performed using procedures outlined in the *2018 International Building Code (IBC)*. The 2018 IBC states structures shall be designed and constructed to resist the effects of earthquake motions in accordance with American Society of Civil Engineers (ASCE) 7-16.

We used map-based values as recommended by the United States Geological Survey (USGS) to determine the seismic design spectrum in accordance with ASCE 7-16. Based on subsurface conditions observed in our explorations, our review of site geology, and our experience in the area, we anticipate soils below our explorations and extending to depth are glacially consolidated and dense to very dense. For seismic design and analysis, we recommend using a response spectrum for Site Class C. We recommend the parameters provided in Table 2 below.

TABLE 2. SEISMIC DESIGN CRITERIA

2018 IBC (ASCE 7-16) Seismic Design Parameters¹	
Spectral Response Acceleration at Short Periods (S_s)	1.637g
Spectral Response Acceleration at 1-Second Periods (S_1)	0.638g
Site Class	C
Design Peak Ground Acceleration (PGA_M)	0.877g
Design Spectral Response Acceleration at Short Periods (S_{DS})	1.31g
Design Spectral Response Acceleration at 1-Second Periods (S_{D1})	0.595g

Notes:

¹ Parameters developed based on latitude 48.1113018 and longitude -123.4928403 using the Applied Technology Council (ATC) Hazards online tool (<https://hazards.atcouncil.org/>).

4.2.2. Liquefaction

Liquefaction refers to a condition where vibration or shaking of the ground, usually from earthquake forces, results in development of excess pore pressures in loose, saturated soils and subsequent loss of strength in the deposit of soil so affected. In general, soils that are susceptible to liquefaction include loose to medium dense sands to silty sands that are below the water table. The WADNR Geologic Portal (accessed February 8, 2023) indicates the site has a “very low” liquefaction susceptibility. Based on the soil and groundwater conditions observed in our explorations, it is our opinion that the potential for liquefaction at the site is low.

4.2.3. Lateral Spreading Potential

Lateral spreading related to seismic activity typically involves lateral displacement of large, surficial blocks of non-liquefied soil when a layer of underlying soil loses strength during seismic shaking. Lateral spreading usually develops in areas where sloping ground or large grade changes (including retaining walls) are present. Based on our understanding of the liquefaction risk at the site and the proposed improvements, it is our opinion that the risk of lateral spreading is low.

4.2.4. Surface Rupture Potential

According to the WADNR Geologic Portal (accessed February 21, 2023), the nearest mapped fault is the Lower Elwha Fault approximately ½ mile south of the project site. It is identified as a thrust fault, is concealed (soil and/or rock overlies the fault) and runs generally in an east-west direction. Based on the proximity of the project site to this fault, the fault information available at the time of this study, and the presence of thick soil and/or rock overlying the fault in the project vicinity, it is our opinion the risk for surface rupture the project site is low.

4.3. Site Development and Earthwork

4.3.1. General

We anticipate that site development and earthwork will include excavating for shallow foundations, utilities, and other improvements, establishing subgrades for foundations and roadways and placing and compacting fill and backfill materials. We expect that site grading and earthwork can be accomplished with conventional earthmoving equipment. The following sections provide specific recommendations for site development and earthwork.

4.3.2. Clearing and Stripping

We anticipate that clearing and stripping depths at the site will be on the order of 6 to 9 inches to remove vegetation roots and/or disturbed soils at the surface. Greater stripping depths may be required in areas containing large trees and heavier vegetation, lower lying areas, or if a thicker topsoil/organic-rich soil layer is present.

During tree removal and stripping operations excessive disturbance of surficial soils may occur, especially if left exposed to wet conditions. Disturbed soils may require additional remediation during construction and grading. Stumps and the primary root system of removed trees should be completely removed; voids created by this process should be backfilled with compacted structural fill.

Although not observed in our explorations, cobbles and boulders are common in local glacial soils. The contractor should be prepared to remove boulders and cobbles. Boulders may be removed from the site or used in landscape areas. Voids caused by boulder removal should be backfilled with compacted structural fill.

4.3.3. Erosion and Sedimentation Control

Erosion and sedimentation rates and quantities can be influenced by construction methods, slope length and gradient, amount of soil exposed and/or disturbed, soil type, construction sequencing and weather. Implementing an Erosion and Sedimentation Control Plan will reduce impacts to the project where erosion-prone areas are present. The plan should be designed in accordance with applicable city, county, and/or state standards. The plan should incorporate basic planning principles, including:

- Scheduling grading and construction to reduce soil exposure;
- Re-vegetating or mulching denuded areas;
- Directing runoff away from exposed soils;
- Reducing the length and steepness of slopes with exposed soils;
- Decreasing runoff velocities;
- Preparing drainage ways and outlets to handle concentrated or increased runoff;
- Confining sediment to the project site; and
- Inspecting and maintaining control measures frequently.

Temporary erosion protection should be used and maintained in areas with exposed or disturbed soils to help reduce erosion and reduce transport of sediment to adjacent areas and receiving waters. Permanent erosion protection should be provided by paving, structure construction, or landscape planting.

Until the permanent erosion protection is established, and the site is stabilized, site monitoring may be required by qualified personnel to evaluate the effectiveness of the erosion control measures and to repair and/or modify them as appropriate. Provisions for modifications to the erosion control system based on monitoring observations should be included in the Erosion and Sedimentation Control Plan. Where sloped areas are present, some sloughing and raveling of exposed or disturbed soil on slopes should be expected. We recommend that disturbed soil be restored promptly so that surface runoff does not become channeled.

4.3.4. Temporary Excavations and Cut Slopes

Excavations deeper than 4 feet must be shored or laid back at a stable slope if workers are required to enter. Shoring and temporary slope inclinations must conform to the provisions of Title 296 Washington Administrative Code (WAC), Part N, "Excavation, Trenching and Shoring." Regardless of the soil type encountered in the excavation, shoring, trench boxes, or sloped sidewalls will be required under Washington Industrial Safety and Health Act (WISHA). The contract documents should specify that the contractor is responsible for selecting excavation and dewatering methods, monitoring the excavations for safety and providing shoring, as required, to protect personnel and structures.

In general, temporary cut slopes at this site should be inclined no steeper than about $1\frac{1}{2}H$ to $1V$. This guideline assumes that all surface loads are kept at a minimum distance of at least one-half the depth of the cut away from the top of the slope and that seepage is not present on the slope face. Flatter cut slopes will be necessary where seepage occurs or if surcharge loads are anticipated. Temporary covering with heavy plastic sheeting should be used to protect slopes during periods of wet weather.

4.3.5. Permanent Cut and Fill Slopes

We recommend permanent slopes be constructed at an inclination no greater than $2H$ to $1V$. Where $2H$ to $1V$ permanent slopes are not feasible, protective facings and/or retaining structures should be considered.

To achieve uniform compaction, we recommend fill slopes be overbuilt and subsequently cut back to expose well-compacted fill. Fill placement on existing slopes steeper than $5H$ to $1V$ should be benched into the slope face. The configuration of benches depends on the equipment being used and the inclination of the existing slope. Bench excavations should be level and extend into the slope face at least half the width of the compaction equipment used.

Exposed areas should be re-vegetated as soon as practical to reduce surface erosion and sloughing. Temporary protection should be used until permanent protection is established.

4.3.6. Groundwater Handling Considerations

Based on our understanding of the proposed site improvements, we do not anticipate that the regional groundwater table will be encountered during excavation activities at the site.

Perched groundwater was observed in exploration B-2 at $4\frac{1}{2}$ feet bgs along with other indications of perched groundwater in the explorations (described in Section 3.3.2). Based on these observations, we anticipate that perched groundwater is likely to be present in other areas and depths at the site. The

contractor should be prepared to deal with areas of perched groundwater during construction. Groundwater handling needs will typically be lower during the summer and early fall months. We anticipate that shallow perched groundwater can be handled adequately with sumps, pumps, and/or diversion ditches, as necessary. Ultimately, we recommend that the contractor performing the work be made responsible for controlling and collecting groundwater encountered.

4.3.7. Surface Drainage

Surface water from roof downspouts, driveways, and landscape areas should be collected and controlled. Curbs or other appropriate measures such as sloping driveways and surface grades, sidewalks, and landscape areas should be used to direct surface flow away from buildings, erosion sensitive areas, and from behind retaining structures. Roof and catchment drains should not be connected to wall or foundation drains.

4.3.8. Subsurface Drainage

Based on our subsurface explorations, the site is underlain by low permeability sand and silt (existing site fill and glacial till deposits). Excavations that extend into these soils, such as foundation excavations, will likely create a perched groundwater condition. Utility trenches that extend into these soils and are backfilled with structural fill could also create perched groundwater due to difference in permeability between trench backfill and the surrounding soils.

Based on our explorations, we recommend that perimeter foundation drains be considered in the project design. It is our opinion that underslab drains are not needed unless excessive water is encountered during excavation and grade development for the building slab. To manage perched groundwater within site excavations and where groundwater or high moisture would be detrimental to other site improvements, other special drainage details could be required. For example, special drainage provisions may be needed to help clear groundwater accumulation in utility trenches and other excavations backfilled with permeable material, or in areas located near structures.

4.3.9. Subgrade Preparation

Subgrades that will support structures and pavements should be thoroughly compacted to a uniformly firm and unyielding condition upon completion of stripping and before placing structural fill. We recommend that subgrades for structures and pavements be evaluated to identify areas of yielding or soft soil. Probing with a steel probe rod or proof-rolling with a heavy piece of wheeled construction equipment are appropriate methods of evaluation.

If soft or otherwise unsuitable subgrade areas are revealed during evaluation that cannot be compacted to a stable and uniformly firm condition, we recommend that: (1) the unsuitable soils be scarified (e.g., with a ripper or farmer's disc), aerated, and recompact, if practical; or (2) the unsuitable soils be removed and replaced with compacted structural fill, as needed.

4.3.10. Subgrade Protection and Wet Weather Considerations

Soils observed in our explorations contain a significant quantity of fines and will be susceptible to disturbance during periods of wet weather. The wet weather season generally begins in October and continues through May in western Washington; however, periods of wet weather can occur during any month of the year. It may be possible to conduct earthwork at the site during wet weather months provided

appropriate measures are implemented to protect exposed soil. If earthwork is scheduled during the wet weather months, we offer the following recommendations:

- Measures should be implemented to remove or eliminate the accumulation of surface water from work areas. The ground surface in and around the work area should be sloped so that surface water is directed away and graded so that areas of ponded water do not develop. Measures should be taken by the contractor to prevent surface water from collecting in excavations and trenches.
- Earthwork activities should not take place during periods of heavy precipitation.
- Slopes with exposed soils should be covered with plastic sheeting.
- The contractor should take necessary measures to prevent on-site soils and other soils to be used as fill from becoming wet or unstable. These measures may include the use of plastic sheeting, sumps with pumps and grading. The site soils should not be left uncompacted and exposed to moisture. Sealing exposed soils by rolling with a smooth-drum roller prior to periods of precipitation will help reduce the extent to which these soils become wet or unstable.
- Construction traffic should be restricted to specific areas of the site, preferably areas that are surfaced with working pad materials not susceptible to wet weather disturbance.
- Construction activities should be scheduled so that the length of time that soils are left exposed to moisture is reduced to the extent practical.

4.4. Fill Materials

4.4.1. Structural Fill

The workability of material for use as structural fill will depend on the gradation and moisture content of the soil. Material used for structural fill should be free of debris, organic contaminants, and rock fragments larger than 6 inches. For most applications, structural fill consisting of material similar to "Select Borrow" or "Gravel Borrow" as described in Section 9-03.14 of the *Washington State Department of Transportation (WSDOT) Standard Specifications* will be appropriate.

Weather and site conditions should be considered when determining the type of import fill materials purchased and brought to the site for use as structural fill. If earthwork activities are scheduled during the wet weather months or during prolonged periods of wet weather, we recommend that washed crushed rock or select granular fill, as described below, be used for structural fill.

If prolonged dry weather prevails during the earthwork phase of construction, materials with a somewhat higher fines content may be acceptable.

4.4.2. Select Granular Fill

Select granular fill should consist of well-graded sand and gravel or crushed rock with a maximum particle size of 6 inches and less than 5 percent fines by weight based on the minus $\frac{3}{4}$ -inch fraction. Organic matter, debris, or other deleterious material should not be present. In our opinion, material with gradation characteristics similar to *WSDOT Standard Specification 9-03.9 (Aggregates for Ballast and Crushed Surfacing)*, or 9-03.14 (Borrow) is suitable for use as select granular fill, provided that the fines content is less than 5 percent (based on the minus $\frac{3}{4}$ -inch fraction) and the maximum particle size does not exceed 6 inches.

4.4.3. Pipe Bedding

Trench backfill for the bedding and pipe zone should consist of well-graded granular material similar to “Gravel Backfill for Pipe Zone Bedding” described in Section 9-03.12(3) of the *WSDOT Standard Specifications*. The material must be free of roots, debris, organic matter, and other deleterious material. Other materials may be appropriate depending on manufacturer specifications and/or local jurisdiction requirements.

4.4.4. Trench Backfill

Trench backfill must be free of debris, organic material, and rock fragments larger than 6 inches. We recommend that trench backfill material consist of material similar to “Select Borrow” or “Gravel Borrow” as described in Section 9-03.14 of the *WSDOT Standard Specifications*.

4.4.5. On-Site Soil

Based on our subsurface explorations and experience, it is our opinion that existing site soils, excluding any topsoil/organic-rich soil, may be considered for use as structural fill and trench backfill, provided they can be adequately moisture conditioned, placed, and compacted as recommended and do not contain organic or other deleterious material. The existing site fill and glacial till soils at the site are moisture sensitive and will be very difficult or impossible to properly compact when wet.

In addition, the near surface sand and sandy silt soils contained moisture contents ranging between about 14 and 24 percent. This range of moisture contents is near or above optimum moisture content (OMC) for compaction of these soil types. Therefore, we anticipate existing soils could potentially be above OMC when excavated. Soils placed and compacted above OMC are typically difficult to work with and may have trouble achieving adequate compaction. If earthwork occurs during a typical wet season, or if the soils are persistently wet and cannot be dried back due to prevailing wet weather conditions or lack of drying space/time, we recommend the use of imported structural fill or select granular fill, as described above.

4.5. Fill Placement and Compaction

4.5.1. General

To obtain proper compaction, fill and backfill soil should be compacted near the OMC and in uniform horizontal lifts. Lift thickness and compaction procedures will depend on the moisture content and gradation characteristics of the soil and the type of equipment used. The maximum allowable moisture content varies with the soil gradation and should be evaluated during construction. Generally, 8- to 12-inch loose lifts are appropriate for steel-drum vibratory roller compaction equipment. Compaction should be achieved by mechanical means. During fill and backfill placement, sufficient testing of in-place density should be conducted to check that adequate compaction is being achieved.

4.5.2. Area Fills and Bases

Fill placed to raise site grades, under pavements, and in structural areas should be placed on subgrades prepared as recommended in Section 4.3.8 Subsurface Drainage. Fill material placed below structures and footings should be compacted to at least 95 percent of the theoretical maximum dry density (MDD) per ASTM International (ASTM) D 1557. Fill material placed less than 2 feet below pavement sections should be compacted to at least 95 percent of the MDD. Fill placed deeper than 2 feet below in these areas should be compacted to at least 90 percent of the MDD. Fill material placed in landscaping areas should be

compacted to a firm condition that will support construction equipment, as necessary, typically around 85 to 90 percent of the MDD.

4.5.3. Backfill Behind Retaining Walls and Below-Grade Structures

Backfill behind retaining walls or below-grade structures should be compacted to between 90 and 92 percent of the MDD. Overcompaction of fill placed directly behind retaining walls or below-grade structures should be avoided. We recommend use of hand-operated compaction equipment and maximum 6-inch loose lift thickness when compacting fill within about 5 feet behind retaining walls or below-grade structures.

4.5.4. Trench Backfill

For utility excavations, we recommend that the initial lift of fill over the pipe be thick enough to reduce the potential for damage during compaction, but generally should not be greater than about 18 inches above the pipe. In addition, rock fragments greater than about 1 inch in maximum dimension should be excluded from this lift.

Trench backfill material placed below structures and footings should be compacted to at least 95 percent of the MDD. In pavement areas (parking lots and driveways), trench backfill should be uniformly compacted in horizontal lifts to at least 95 percent of the MDD in the upper 2 feet below subgrade. Fill placed below a depth of 2 feet from subgrade in these areas must be compacted to at least 90 percent of the MDD. In non-structural areas, trench backfill should be compacted to a firm condition that will support construction equipment as necessary.

4.6. Shallow Foundation Support

4.6.1. General

Soils observed near the proposed EOC building footprint (borings B-1 through B-4) comprised fill overlying glacial till. The upper 6 to 7 feet of glacial till in boring B-2 was observed to be weathered and in a medium dense condition, and in our opinion will act similarly to the existing fill under shallow foundation loads. As such, for foundation bearing design, we provide two allowable bearing pressures: one for the existing site fill/weathered glacial till and one for intact glacial till. Although we provide two allowable bearing pressures, our bearing surface preparation recommendations are the same for both cases.

The proposed structures at the site can be satisfactorily supported on continuous wall and isolated column footings. Exterior footings should be established at least 18 inches below the lowest adjacent grade. Interior footings can be founded a minimum of 12 inches below the bottom of the floor slab. Isolated column and continuous wall footings should have minimum widths of 24 and 18 inches, respectively.

The sections below provide our recommendations for foundation bearing surface preparation and foundation design parameters.

4.6.2. Foundation Drainage

We recommend that perimeter foundation drains be installed around the exterior building foundation to help manage potential perched groundwater as described in Section 4.3.8. Footing drains should be designed to collect and direct water away from the perimeter of the building and be equipped with cleanouts. The drainpipe should be perforated, rigid, and smooth-walled with a minimum diameter of

4 inches and be placed at the base of the foundation and surrounded by 6 inches of free-draining material. The free-draining material should consist of material similar to “Gravel Backfill for Drains” per WSDOT *Standard Specification* Section 9 03.12(4). A nonwoven geotextile fabric should then wrap around the pipe and free-draining material zone to help prevent fine soil from migrating into the drainage system. The drainpipe should be metal or rigid polyvinyl chloride (PVC) pipe and be sloped to drain by gravity to a suitable discharge point. Water collected in roof and catchment drains must not be routed to the perimeter footing drains.

4.6.3. Footing Bearing Surface Preparation and Allowable Soil Bearing Pressure

We provide allowable bearing pressures for two conditions:

- Bearing Condition 1 – Footings bearing on existing site fill or weathered glacial till (**above about EL 300 feet**)
- Bearing Condition 2 – Footings bearing on intact glacial till (**at or below about EL 300 feet**)

The estimated elevation for intact glacial till is based on the limited information collected from explorations B-1 through B-4 and should be confirmed during construction. The bearing pressures provided below apply to the total of dead and long-term live loads and may be increased by one-third when considering total loads, including earthquake or wind loads. These are net bearing pressures. The weight of the footing and overlying backfill can be ignored in calculating footing sizes.

All subgrades below footings should be proof-compacted to a uniformly firm and unyielding condition prior to placement of structural fill or construction of the footing. Structural fill placed below footings (if necessary) should consist of select granular fill as described in Section 4.4.2 Select Granular Fill of this report. For budgeting purposes, we recommend assuming that up to 25 percent of the footings will require overexcavation and replacement with up to 1 foot of structural fill in order to establish a suitable subgrade surface. This is generally due to the high silt content and moisture conditions observed in upper soils near the proposed building footprint. Structural fill should extend laterally beyond the foundation perimeter a distance equal to the depth of the structural fill placed, or 3 feet, whichever is less. This budgeting assumption should be revisited based on the planned grading and whether foundation support is planned using Bearing Condition 1, Bearing Condition 2, or a combination.

Foundation bearing surfaces should not be exposed to standing water. If water is present in the excavation, it must be removed before placing formwork and reinforcing steel. A 6-inch-thick layer of crushed rock or a 3- to 4-inch-thick layer of lean-mix concrete could be considered to protect the base of excavations and limit disturbance to bearing surfaces during construction.

Prepared bearing surfaces and excavations should be evaluated by GeoEngineers, Inc. (GeoEngineers) during construction (prior to placement of structural fill or formwork and reinforcement) to confirm bearing surfaces have been prepared in accordance with our recommendations, subsurface conditions are consistent with those observed during our explorations, and to provide recommendations to stabilize or repair bearing surfaces.

4.6.3.1. Bearing Condition 1 – Footings Bearing on Existing Site Fill or Weathered Glacial Till

If the design bearing surface elevation is **above** about EL 300 feet, an allowable soil bearing resistance of 3,000 pounds per square foot (psf) can be used for proportioning footings. This bearing pressure also applies for foundations bearing on compacted structural fill extending to these soils.

4.6.3.2. Bearing Condition 2 – Footings Bearing on Intact Glacial Till

If the design bearing surface elevation is **at or below** about EL 300 feet, an allowable soil bearing resistance of 6,000 psf can be used for proportioning footings. This bearing pressure also applies for foundations bearing on compacted structural fill extending to these soils.

4.6.4. Foundation Settlement

To limit foundation settlement, disturbed soil must be removed from the base of foundation excavations and the bearing surface should be prepared as recommended. Provided these measures are taken, we estimate the total static settlement of shallow foundations will be on the order of 1 inch or less for the bearing pressures presented above. Differential settlements could be on the order of about ¼ to ½ inch between comparably loaded foundations or over a distance of about 50 feet of continuous footing. The settlements should occur rapidly, essentially as loads are applied. Settlements could be greater than estimated if disturbed or saturated soil conditions are present below foundations.

4.6.5. Lateral Resistance

The ability of the soil to resist lateral loads is a function of frictional resistance, which can develop on the base of footings and slabs and passive resistance, which can develop on the face of below-grade elements of the structure as these elements tend to move into the soil.

For cast-in-place footings founded in accordance with the recommendations presented above, the allowable frictional resistance on the base of the footing may be computed using a coefficient of friction of 0.40 applied to the vertical dead-load forces. If precast foundations are included as part of project plans, we can provide specific recommendations for base friction resistance for precast foundations. The allowable passive resistance on the face of the footing or other embedded foundation elements may be computed using an equivalent fluid density of 300 pounds per cubic foot (pcf) for undisturbed site soils or structural fill extending out from the face of the foundation element a distance at least equal to 2½ times the depth of the element. These values include a factor of safety of about 1.5.

The passive earth pressure and friction components may be combined, provided that the passive component does not exceed two-thirds of the total. The passive earth pressure value is based on the assumptions that the adjacent grade is level, and that groundwater remains below the base of the footing throughout the year. The top foot of soil should be neglected when calculating passive lateral earth pressure unless the area adjacent to the foundation is covered with pavement or a slab-on-grade.

4.7. Slab-On-Grade Floors

Slab-on-grade floors can be supported on existing fill, glacial till, or compacted structural fill extending to such soils and subgrades for slabs-on-grade should be prepared in accordance with Section 4.3.9 Subgrade Preparation and Section 4.5.2 Area Fills and Bases of this report. For budgeting purposes, we recommend assuming that up to 25 percent of slab-on-grade areas will require overexcavation and replacement with up to 1 foot of structural fill in order to establish a suitable subgrade surface. This is generally due to the high silt content and moisture conditions observed in upper soils near the proposed building footprint.

The need for overexcavation will be dependent on final grading plans and specific observations at the time of construction, and therefore should be determined in the field when the existing subgrade soils are exposed. It will likely be most efficient to complete slab subgrade remediation, if necessary, during rough

grading activities and prior to construction of the building exterior foundations. We recommend the slab subgrades be observed by a member of our firm during construction. Disturbed areas should be compacted, if possible, or removed and replaced with compacted structural fill. In all cases, the exposed soil should be firm and unyielding.

As described in Section 4.3.8, it is our opinion that an underslab drain system is not necessary unless excessive water is encountered during excavation and slab grade development. We also recommend slab-on-grade floors be underlain by a minimum 6-inch-thick capillary break layer consisting of clean sand and gravel, crushed, or washed rock with less than 3 percent fines.

A modulus of subgrade reaction of 200 pounds per cubic inch (pci) may be used for structural design of slabs-on-grade and mat foundations, as needed, provided that the bearing surface has been prepared as recommended and consists of thoroughly compacted existing site soil or structural fill extending to such soil. This value is for a 1-foot by 1-foot square plate. The modulus of subgrade reaction for a foundation varies based on its minimum width and is computed according to the following equation:

$$k_s = k_{s1}[(B+1)/2B]^2$$

Where k_s is the computed modulus of subgrade reaction, k_{s1} is the modulus of subgrade reaction for a 1-foot by 1-foot square plate, and B is the minimum width or lateral dimension of the slab or mat.

We estimate that settlement for slabs-on-grade constructed as recommended will be less than 3/4 inch for a floor load of 500 psf.

4.8. Retaining Walls and Below-Grade Structures

4.8.1. Design Parameters

We recommend the following lateral earth pressures be used for design of conventional retaining walls and below-grade structures in Table 3 below. Our design pressures assume two conditions: level backfill and 2H:1V sloping backfill. If drained design parameters are used, drainage systems must be included in the design in accordance with the recommendations presented in Section 4.8.2 Drainage below.

TABLE 3. LATERAL SOIL PRESSURE PARAMETERS FOR RETAINING WALLS AND BELOW-GRADE STRUCTURES

Soil Parameter	EFD¹ (Level Backfill Condition) (pcf)	EFD¹ (2H:1V Backfill Condition) (pcf)
Active Earth Pressure	35 pcf drained; 80 pcf undrained ²	50 pcf drained; 90 pcf undrained ²
At-rest Earth Pressure	55 pcf drained; 90 pcf undrained ²	80 pcf drained; 100 pcf undrained ²
Seismic Loading ³	23*H psf	34*H psf

Notes:

¹ Equivalent fluid density in pcf.

² This value includes hydrostatic pressures.

³ If the retaining wall is to be designed for seismic forces, we recommend that the seismic loading be approximated using a uniform lateral pressure based on backfill condition, where H is the height (in feet) of the structure. This seismic lateral pressure is in addition to the static soil load and any anticipated hydrostatic pressures. This assumes that the wall is free to yield somewhat during a seismic event.

A typical traffic surcharge of 250 psf should be included if vehicles are allowed to operate within one-half the height of the retaining walls. This surcharge may be represented by an additional 2 feet of soil. Other surcharge loads should be considered on a case-by-case basis.

The active soil pressure condition assumes the wall is free to move laterally $0.001H$, where H is the wall height. The at-rest condition is applicable where walls are restrained from movement. The above recommended lateral soil pressures do not include the effects of sloping backfill surfaces or surcharge loads, except as described. Overcompaction of fill placed directly behind retaining walls or below-grade structures must be avoided to limit lateral pressures placed on the wall. We recommend use of hand-operated compaction equipment and maximum 6-inch loose lift thickness when compacting fill within about 5 feet of retaining walls and below-grade structures.

Retaining wall or below-grade structure foundation bearing surfaces should be prepared following Section 4.6.3 Footing Bearing Surface Preparation and Allowable Soil Bearing Pressure of this report. Provided bearing surfaces are prepared as recommended, retaining wall or below-grade structure foundations may be designed using the allowable soil bearing pressures and lateral resistance values presented above for building foundation design. We estimate settlement of retaining structures will be similar to the values previously presented for building foundations.

4.8.2. Drainage

If retaining walls or below-grade structures are designed using drained parameters, a drainage system behind the structure must be constructed to collect water and prevent the buildup of hydrostatic pressure against the structure. We recommend the drainage system include a zone of free-draining backfill a minimum of 18 inches in width against the back of the wall. The drainage material should consist of coarse sand and gravel containing less than 5 percent fines by weight based on the fraction of material passing the $\frac{3}{4}$ -inch sieve.

A perforated, rigid, smooth-walled drainpipe with a minimum diameter of 4 inches should be placed along the base of the structure within the free-draining backfill and extend for the entire wall length. The drainpipe should be metal or rigid PVC pipe and be sloped to drain by gravity. Discharge should be routed to appropriate discharge areas and to reduce erosion potential. Cleanouts should be provided to allow routine maintenance. We recommend roof downspouts or other types of drainage systems not be connected to retaining wall drainage systems.

4.9. Stormwater Infiltration

At the time of this report, no stormwater facilities have been planned but the project team was considering a potential facility near boring B-6. In boring B-6, we generally encountered very dense glacial till deposits from the surface to the depth explored.

We anticipate that stormwater facilities on site, if planned, will be designed in accordance with the SWMMWW, as adopted by the Clallam County. According to the SWMMWW, measured infiltration rates in soils consolidated by glacial advance (i.e., glacial till) shall be determined using in-situ field tests such as a Pilot Infiltration Test (PIT). The manual does not allow the use of soil grain-size analyses to determine design infiltration rates for glacially consolidated soils, which are present at the project site. Existing fill soils at the site are variable and contain high fines content. Therefore, we would also recommend that infiltration rates

in these soils be determined with PITs. Additionally, detailed infiltration analyses including performance testing and groundwater mounding analysis are noted in the SWMMWW.

Based on the existing fill and glacial till soils observed in our explorations, it is our opinion that the infiltration capacity of the site soils is low. The site is generally underlain by very dense glacial till deposits at relatively shallow depths (upper 5 feet), except is deeper near borings B-3 and B-4 (up to about 13 feet). In our experience with similar glacial till soil and density conditions, PITs typically measure very slow infiltration rates, on the order of 0.01 to 0.1 inch per hour with correction factors and in some cases, no infiltration can be measured. We suggest this range be considered for preliminary design of facilities, then followed up with final rates determined by completing PITs. We do not anticipate that future groundwater mounding analysis will be necessary if infiltration facilities are established within the glacial till since the infiltration rates are expected to be low and the glacial till will be the limiting layer. Conversely, groundwater mounding analysis could be necessary if facilities are established in the existing site fills, but will ultimately depend on location, depth, size, and type of facility planned.

4.10. Pavement Recommendations

4.10.1. General

Paved areas are expected to include sidewalks, parking areas, and driveways. Based on our experience, we provide recommended conventional asphalt concrete pavement (ACP) and portland cement concrete (PCC) sections below. These pavement sections may not be adequate for heavy construction traffic loads such as those imposed by concrete transit mixers, dump trucks, or cranes. Additional pavement thickness may be necessary to prevent pavement damage during construction if other loading types are planned.

The recommended sections assume that final improvements surrounding the pavements will be designed and constructed such that stormwater or excess irrigation water from landscape areas does not accumulate below the pavement section or pond on pavement surfaces. If pavements in parking areas slope inward (toward the center of the parking area) full depth curbs or other measures should be used to prevent water from entering and ponding on the subgrade and within the base section.

4.10.2. Construction Considerations

Existing pavements, hardscaping, or other structural elements should be removed prior to placement of new pavement sections. Pavement subgrade should be prepared as recommended in Sections 4.3.9 and 4.5.2 of this report. Crushed surfacing base course and subbase should be moisture conditioned to near optimum moisture content and compacted to at least 95 percent of the theoretical MDD per ASTM D 1557. An asphalt treated base (ATB) section can also be used during construction to protect partially constructed pavement sections and pavement subgrades as described below.

Crushed surfacing base course (CSBC) and crushed surfacing top course (CSTC) should conform to applicable sections of 4-04 and 9-03.9(3) of the *WSDOT Standard Specifications*. The top approximate 2 inches of the CSBC sections provided may consist of CSTC as a leveling layer and for more precise grade development. Subbase should consist of select granular fill (described in Section 4.4.2), to provide a uniform grading surface, to provide pavement support, to maintain drainage, and to provide separation from subgrade soil.

Hot mix asphalt (HMA) should conform to applicable sections of 5-04, 9-02 and 9-03 of the *WSDOT Standard Specifications*. PCC mix design should conform with Section 5-05.3(1) of the *WSDOT Standard Specifications*. Aggregates for PCC should conform to applicable sections of 9-03.1 of the *WSDOT Standard Specifications*.

Some areas of pavement may exhibit settlement and subsequent cracking over time. Cracks in the pavement will allow water to infiltrate to the underlying base course, which could increase the amount of pavement damage caused by traffic loads. To prolong the effective life of the pavement, cracks should be sealed as soon as possible.

4.10.2.1. Temporary Construction Surfacing

A temporary surfacing of ATB can be used to protect partially constructed pavement sections and pavement subgrades during construction. This can provide a relatively clean working surface, prevent construction traffic from damaging final paving surfaces, and reduce subgrade repairs required for final paving. A 2-inch-thick section of ATB can be substituted for the upper 2 inches of CSBC in any of the provided pavement sections below. Prior to placement of the final pavement surface sections, we recommend that any areas of ATB pavement failure be removed, and the subgrade repaired. If ATB is used and is serviceable when final pavements are constructed, the design ACP or PCC thickness can be placed directly over the ATB.

4.10.3. Asphalt Concrete Pavement Design

Recommended minimum ACP sections are provided below.

4.10.3.1. Standard-Duty ACP – Automobile Driveways and Parking Areas

- 3 inches of HMA, class ½ inch, PG 58-22
- 4 inches of compacted CSBC
- 6 inches of compacted subbase
- Subgrade prepared as recommended in Section 4.3.9; if structural fill is needed below pavements, it should be prepared as recommended in Section 4.5.2.

4.10.3.2. Heavy-Duty ACP – Areas Subject to Heavy Truck Traffic

- 4 inches of HMA, class ½ inch, PG 58-22
- 6 inches of compacted CSBC
- 6 inches of compacted subbase
- Subgrade prepared as recommended in Section 4.3.9; if structural fill is needed below pavements, it should be prepared as recommended in Section 4.5.2.

4.10.4. Portland Cement Concrete Pavement Design

Recommended minimum PCC pavement sections are provided below. In our opinion steel reinforcement does not need to be included in PCC pavements that will be primarily used in landscaping and pedestrian areas (areas not subjected to heavy vehicle traffic). Reinforcement could be considered to reduce the potential for cracking in areas where the concrete slabs have irregular shapes or where new slabs abut existing concrete slabs, and the joint layout between the slabs cannot be matched. If reinforcement is considered, we are available to discuss typical steel reinforcement volumes with the project structural engineer, who ultimately designs the location, size, and layout of reinforcement.

4.10.4.1. Sidewalk PCC Pavement – Pedestrian Areas Not Subjected to Vehicle Loading

- 4 inches of PCC with a minimum 14-day flexural strength of 650 psi
- 2 inches of compacted CSBC
- Subgrade prepared as recommended in Section 4.3.9; if structural fill is needed below pavements, it should be prepared as recommended in Section 4.5.2.

4.10.4.2. Standard PCC Pavement – Automobile Driveways and Parking Areas

- 6 inches of PCC with a minimum 14-day flexural strength of 650 psi
- 4 inches of compacted CSBC
- 6 inches of compacted subbase
- Subgrade prepared as recommended in Section 4.3.9; if structural fill is needed below pavements, it should be prepared as recommended in Section 4.5.2.

4.10.4.3. Heavy Duty PCC Pavement – Areas Subject to Heavy Truck Traffic

- 9 inches of PCC with a minimum 14-day flexural strength of 650 psi
- 4 inches of compacted CSBC
- 6 inches of compacted subbase
- Subgrade prepared as recommended in Section 4.3.9; if structural fill is needed below pavements, it should be prepared as recommended in Section 4.5.2.

5.0 LIMITATIONS

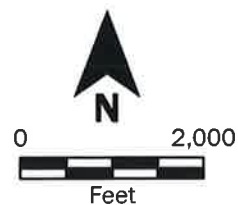
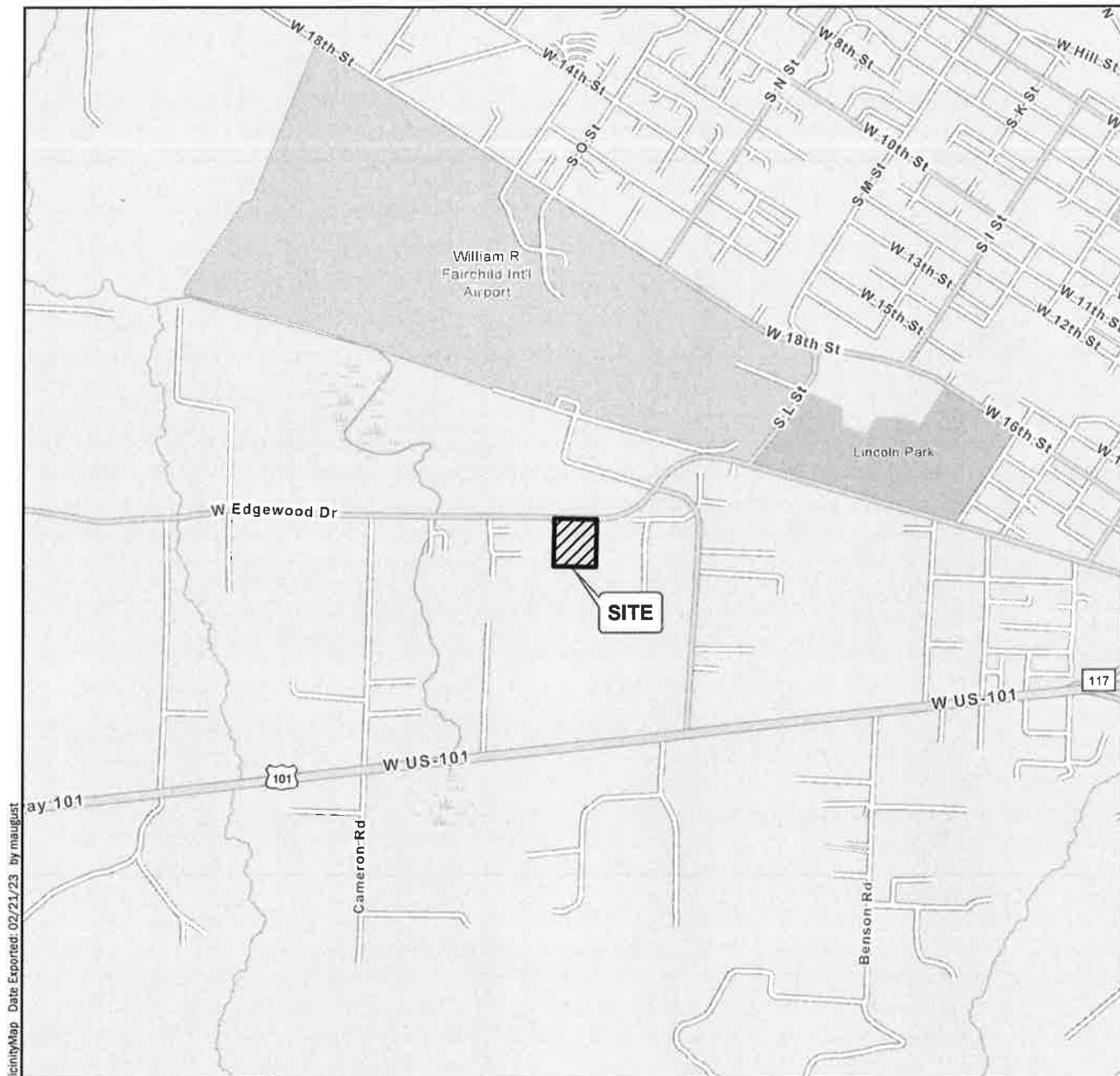
We have prepared this report for OAC Services, Inc. for the proposed Port Angeles Emergency Operations Center project in Port Angeles, Washington. OAC Services, Inc. may distribute copies of this report to owner's authorized agents and regulatory agencies as may be required for the project.

Within the limitations of scope, schedule, and budget, our services have been executed in accordance with generally accepted practices for geotechnical engineering in this area at the time this report was prepared. The conclusions, recommendations, and opinions presented in this report are based on our professional knowledge, judgment, and experience. No warranty, express or implied, applies to the services or this report.

Please refer to Appendix B titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

6.0 REFERENCES

Schasse, Henry W., Wegmann, Karl W., Polenz, Michael. 2004. Geologic Map of the Port Angeles and Ediz Hook 7.5-minute Quadrangles, Clallam County, Washington. June 2004.



Source(s):
• ESRI

Coordinate System: NAD 1983 StatePlane Washington North FIPS 4601 Feet

Disclaimer: This figure was created for a specific purpose and project. Any use of this figure for any other project or purpose shall be at the user's sole risk and without liability to GeoEngineers. The locations of features shown may be approximate. GeoEngineers makes no warranty or representation as to the accuracy, completeness, or suitability of the figure, or data contained therein. The file containing this figure is a copy of a master document, the original of which is retained by GeoEngineers and is the official document of record.

Vicinity Map

Port Angeles Emergency Operations Center
Port Angeles, Washington

GEOENGINEERS 

Figure 1

APPENDIX A

Subsurface Explorations and Laboratory Testing

APPENDIX A

SUBSURFACE EXPLORATIONS AND LABORATORY TESTING

Subsurface Explorations

Subsurface conditions for the proposed Port Angeles Emergency Operations Center project were explored by advancing six hollow-stem auger borings on December 15, 2022. Subsurface exploratory services were provided by Holocene Drilling, Inc. under subcontract to GeoEngineers, Inc. The borings were advanced to depths ranging from about 15 to 24 feet below ground surface (bgs). Practical drilling refusal was encountered in borings B-2, B-4, and B-6 at about 14½, 23½, and 18 feet bgs, respectively. Practical drilling refusal was marked by very slow drilling advancement and destruction of the cutting teeth on the lead auger.

The approximate locations of the borings were determined using a tablet equipped with global positioning system (GPS) software and/or pacing off from existing site features. The exploration locations are included on Figure 2, Site Plan. The location and elevation of each exploration should be considered approximate.

Our field representative collected samples, classified the soils, maintained a detailed log of each exploration, and observed groundwater conditions. The samples were obtained with a standard split-spoon sampler in general accordance with ASTM International (ASTM) D 1586. Field blow counts are presented on the log. The soils were classified visually in general accordance with the system described in Figure A-1, Key to Exploration Logs, which includes a key to the exploration logs. Summary logs of the explorations are included as Figures A-2 through A-7, Logs of Borings.

The densities noted on the boring exploration logs are based on the blow counts produced in the SPT and our experience and judgment. The logs are based on our interpretation of the field and laboratory data and indicate the depth at which we interpret subsurface materials or their characteristics to change, although these changes might actually be gradual.

Observations of groundwater conditions were made during drilling and are presented on the boring logs. Groundwater conditions observed during drilling represent a short-term condition and may or may not be representative of the long-term groundwater conditions at the site. Groundwater conditions observed during drilling should be considered approximate.

Laboratory Testing

Soil samples obtained from the explorations were transported to GeoEngineers' laboratory. Representative soil samples were selected for laboratory tests to evaluate the pertinent geotechnical engineering characteristics of the site soils and to confirm our field classifications.

Our testing program consisted of the following:

- Six grain-size distribution analyses (sieve analysis [SA])
- Nine percent fines determination (%F)
- Three moisture content determinations (MC)

Tests were performed in general accordance with test methods of ASTM or other applicable procedures. The following sections provide a general description of the tests performed.

Sieve Analysis (SA)

Grain-size distribution analyses were completed on selected samples in general accordance with ASTM Test Method C 136. This test method covers the quantitative determination of the distribution of particle sizes in soils. Typically, the distribution of particle sizes larger than 75 micrometers (μm) is determined by sieving. The results of the tests were used to verify field soil classifications and determine pertinent engineering characteristics. Figures A-8 and A-9, Sieve Analysis Results present the results of our sieve analyses.

Percent Fines (%F)

Selected samples were “washed” through the U.S. No. 200 sieve to estimate the relative percentages of coarse- and fine-grained particles in the soil. The percent passing value represents the percentage by weight of the sample finer than the U.S. No. 200 sieve (75 μm). The test was conducted in general accordance with ASTM D 1140. Test results are used to aid in soil classification and correlation with other pertinent engineering soil properties and are presented on the boring logs at the respective sample depths.

Moisture Content (MC)

The moisture content of selected samples was determined in general accordance with ASTM Test Method D 2216. The test results are used to aid in soil classification and correlation with other pertinent engineering soil properties. The results are presented on the boring logs at the depth tested.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS	
			GRAPH	LETTER		
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES	
		(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES	
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES	
		(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES	
	MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS
			(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND
MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE		SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES	
		(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES	
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY	
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
	MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
					CH	INORGANIC CLAYS OF HIGH PLASTICITY
					OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

	2.4-inch I.D. split barrel / Dames & Moore (D&M)
	Standard Penetration Test (SPT)
	Shelby tube
	Piston
	Direct-Push
	Bulk or grab
	Continuous Coring

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

"P" indicates sampler pushed using the weight of the drill rig.

"WOH" indicates sampler pushed using the weight of the hammer.

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS		TYPICAL DESCRIPTIONS
GRAPH	LETTER	
	AC	Asphalt Concrete
	CC	Cement Concrete
	CR	Crushed Rock/Quarry Spalls
	SOD	Sod/Forest Duff
	TS	Topsoil

Groundwater Contact



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

Graphic Log Contact



Distinct contact between soil strata



Approximate contact between soil strata

Material Description Contact



Contact between geologic units



Contact between soil of the same geologic unit

Laboratory / Field Tests

%F	Percent fines
%G	Percent gravel
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DD	Dry density
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
Mohs	Mohs hardness scale
OC	Organic content
PM	Permeability or hydraulic conductivity
PI	Plasticity index
PL	Point load test
PP	Pocket penetrometer
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
UU	Unconsolidated undrained triaxial compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen

Key to Exploration Logs

Start Drilled 12/15/2022	End 12/15/2022	Total Depth (ft) 20.25	Logged By Checked By	QA CRN	Driller Holocene Drilling, Inc.	Drilling Method	Hollow-stem Auger
Surface Elevation (ft) Vertical Datum	305 NAVD88	Hammer Data	Automatic 140 (lbs) / 30 (in) Drop			Drilling Equipment	Diedrich D-50 Turbo (Track-mounted)
Easting (X) Northing (Y)	990743 416665	System Datum	WA State Plane South NAD83 (feet)			Groundwater not observed at time of exploration	
Notes:							

Elevation (feet)	FIELD DATA				Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blow Counts (N-value)	Sample Name Testing						
0						SM	Dark brown silty fine to medium sand with occasional organic matter (woody debris) (medium dense, moist) (fill)			
300	15	X	11-12-17 (29)	1 MC				19		
5	15	X	20-39-50 (89)	2 %F		SM	Gray-brown with heavy oxidation staining silty fine to medium sand with occasional organic matter (fine roots) (very dense, moist) (glacial till)	17	26	
295	15	X	23-41-50/4" (91/10")	3			Grades to without organic matter and fine-grained sand, with pods of silt			
10	5	X	50/5" (50/5")	4			Grades to gray			
290	15	X	50/4" (50/4")	5			Grades to fine- to medium-grained sand			
285	20	X	50/3" (50/3")	6						

Note: See Figure A-1 for explanation of symbols.

Coordinates Data Source: Horizontal approximated based on USGS Topographic. Vertical approximated based on USGS Topographic.

Log of Boring B-1



Project: Port Angeles Emergency Operations Center

Project Location: Port Angeles, Washington

Project Number: 0598-015-00

Figure A-2
Sheet 1 of 1

Date: 2/28/23 Path: P:\0598015\GINT\059801500.GPJ DB_Library\Library\GEOENGINEERS_OF_STD_JTD_GLS\GEB_GEO TECH_STANDARD_SF_NO_GW

Start Drilled 12/15/2022	End 12/15/2022	Total Depth (ft) 15	Logged By Checked By	OA CRN	Driller Holocene Drilling, Inc.	Drilling Method	Hollow-stem Auger	
Surface Elevation (ft) Vertical Datum		311 NAVD88	Hammer Data		Automatic 140 (lbs) / 30 (in) Drop		Drilling Equipment	Diedrich D-50 Turbo (Track-mounted)
Easting (X) Northing (Y)		990963 416649	System Datum		WA State Plane South NAD83 (feet)		See "Remarks" section for groundwater observed	
Notes:								

Elevation (feet)	Depth (feet)	FIELD DATA				Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
		Interval Recovered (in)	Blow Counts (N-value)	Sample Name Testing	Graphic Log					
310	0					SM	Brown silty fine sand (medium dense, moist) (fill)			
		18	5-8-12 (20)	1 MC		SP-SM	Brown fine to medium sand with silt and occasional gravel (medium dense, wet) (weathered glacial till)	18		
305	5	15	5-11-16 (27)	2 SA				20	7	Groundwater observed at approximately 4½ feet depth during drilling
		13	11-19-50/3" (69/9")	3			Grades to fine- to coarse-grained sand			
300	10	9	43-50/3" (50/3")	4 %F		SM	Brown silty fine sand (very dense, moist) (glacial till)			
						SM	Gray with minor oxidation staining silty fine sand (very dense, moist)	13	30	Heavy drill chatter from approximately 10 to 14½ feet depth
15	15	4	50/4" (50/4")	5						
Driller indicated practical refusal at approximately 14½ feet depth										

Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on USGS Topographic, Vertical approximated based on USGS Topographic.

Log of Boring B-2



Project: Port Angeles Emergency Operations Center
Project Location: Port Angeles, Washington
Project Number: 0598-015-00

Figure A-3
Sheet 1 of 1

Date: 2/28/23 Path: P:\0598015\GINT\059801500.GPJ DBLibrary\Library\GEOENGINEERS_OF_STD_JTD.GLB\GEB_GEO TECH_STANDARD.sif_NO_SW

Start Drilled 12/15/2022	End 12/15/2022	Total Depth (ft)	24	Logged By Checked By	OA CRN	Driller Holocene Drilling, Inc.	Drilling Method	Hollow-stem Auger
Surface Elevation (ft) Vertical Datum	312 NAVD88			Hammer Data	Automatic 140 (lbs) / 30 (in) Drop		Drilling Equipment	Diedrich D-50 Turbo (Track-mounted)
Easting (X) Northing (Y)	990960 416565			System Datum	WA State Plane South NAD83 (feet)		Groundwater not observed at time of exploration	
Notes:								

Elevation (feet)	Depth (feet)	FIELD DATA				Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
		Interval Recovered (in)	Blow Counts (N-value)	Sample Name Testing	Graphic Log					
310	0					SM	Brown with moderate oxidation staining silty fine to medium sand with gravel and occasional organic matter (twigs, fine roots) (medium dense, moist) (fill)			
	15	15	4-9-8 (17)	1 SA				22	37	
	5	15	11-12-12 (24)	2						
305										
	10	11	23-50/5" (50/5")	3A 3B		SM	Grades to brown and gray, nearing wet Gray silty fine sand (very dense, moist) (glacial till)			
300										
	15	9	18-50/3" (50/3")	4 SA		SM	Dark gray silty fine to medium sand with occasional gravel and organic matter (fine roots) (very dense, moist)	17	26	
295										
	20	4	50/4" (50/4")	5 %F			Grades to with gravel and without organic matter	15	47	
290										
	4	4	50/4" (50/4")	6		SM	Gray silty fine to medium sand with gravel (very dense, wet)			

Note: See Figure A-1 for explanation of symbols.

Coordinates Data Source: Horizontal approximated based on USGS Topographic. Vertical approximated based on USGS Topographic.

Log of Boring B-3



Project: Port Angeles Emergency Operations Center

Project Location: Port Angeles, Washington

Project Number: 0598-015-00

Figure A-4
Sheet 1 of 1

Data: 2/28/23 Path: P:\0598015\GINT\059801500.GPJ DBLibrary\Library\GEOENGINEERS_DF_STD_JTD_GLB\GEO TECH_STANDARD_SF_NO_GW

Start Drilled 12/15/2022	End 12/15/2022	Total Depth (ft) 23.75	Logged By Checked By	OA CRN	Driller Holocene Drilling, Inc.	Drilling Method	Hollow-stem Auger
Surface Elevation (ft) Vertical Datum	317 NAVD88	Hammer Data	Automatic 140 (lbs) / 30 (in) Drop			Drilling Equipment	Diedrich D-50 Turbo (Track-mounted)
Easting (X) Northing (Y)	990734 416555	System Datum	WA State Plane South NAD83 (feet)			Groundwater not observed at time of exploration	
Notes:							

Elevation (feet)	FIELD DATA				Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blow Counts (N-value)	Sample Name Testing					
315	0				SM	Dark brown silty fine to medium sand with gravel and occasional organic matter (fine to coarse roots) (very loose, moist) (fill)			
	12	12	1-0-1 (1)	1 %F	SM	Brown silty fine to medium sand with gravel and occasional organic matter (fine roots) (very loose, moist)	20	33	
310	5	7	5-6-7 (13)	2	SM	Tan with minor oxidation staining silty fine to coarse sand with occasional gravel and organic matter (fine roots) (medium dense, moist)			
	18	18	6-13-22 (35)	3 2A	ML	Brown with heavy oxidation staining sandy silt with occasional gravel and organic matter (twigs, carbonized flakes) (hard, moist)	27	53	
305	10	18	19-15-15 (30)	4 %F		Grades without organic matter, without carbonized flakes, with occasional wood chips	20	59	
300	15	6	40-50/5" (50/5")	5	SM	Gray silty fine to coarse sand with gravel (very dense, moist) (glacial till)			Moderate drill chatter from approximately 13 to 20 feet depth
	20	6	50/6" (50/6")	6 %F	SM	Green-gray silty sand with gravel (very dense, moist)			
295					SM	Gray silty fine to coarse sand with gravel (very dense, moist)	12	38	
	2		50/2" (50/2")	7		Practical refusal at 23½ feet			

Note: See Figure A-1 for explanation of symbols.

Coordinates Data Source: Horizontal approximated based on USGS Topographic. Vertical approximated based on USGS Topographic.

Log of Boring B-4

GEOENGINEERS

Project: Port Angeles Emergency Operations Center

Project Location: Port Angeles, Washington

Project Number: 0598-015-00

Figure A-5
Sheet 1 of 1

Start Drilled	12/15/2022	End 12/15/2022	Total Depth (ft)	21.5	Logged By Checked By	OA CRN	Driller Holocene Drilling, Inc.	Drilling Method	Hollow-stem Auger
Surface Elevation (ft) Vertical Datum	329 NAVD88			Hammer Data	Automatic 140 (lbs) / 30 (in) Drop		Drilling Equipment	Diedrich D-50 Turbo (Track-mounted)	
Easting (X) Northing (Y)	990630 416362			System Datum	WA State Plane South NAD83 (feet)		Groundwater not observed at time of exploration		
Notes:									

Elevation (feet)	FIELD DATA				Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
	Interval Recovered (in)	Blow Counts (N-value)	Sample Name Testing	Graphic Log					
0					SM	Brown silty sand with gravel and occasional organic matter (fine roots) (loose, moist) (fill)			
325	10	24-9 (13)	1 %F		ML	Gray-brown with heavy oxidation staining sandy silt with occasional gravel and organic matter (fine roots) (stiff, moist)	24	50	
5	5	24-32-39 (71)	2		ML	Gray-brown with heavy oxidation staining silt with sand and occasional gravel (hard, moist) (glacial till)			
320	15	27-40-29 (69)	3		ML	Gray to gray-brown with moderate oxidation staining silt with sand and sand pockets (hard, moist)			
10	18	11-14-26 (40)	4 %F			Grades to gray without oxidation staining	12	73	
315	12	20-22-36 (58)	5						
310	15	17-38-30 (68)	6		ML	Gray with calcium nodules sandy silt (hard, moist)			
20									

Note: See Figure A-1 for explanation of symbols.

Coordinates Data Source: Horizontal approximated based on USGS Topographic. Vertical approximated based on USGS Topographic.

Log of Boring B-5



Project: Port Angeles Emergency Operations Center

Project Location: Port Angeles, Washington

Project Number: 0598-015-00

Figure A-6
Sheet 1 of 1

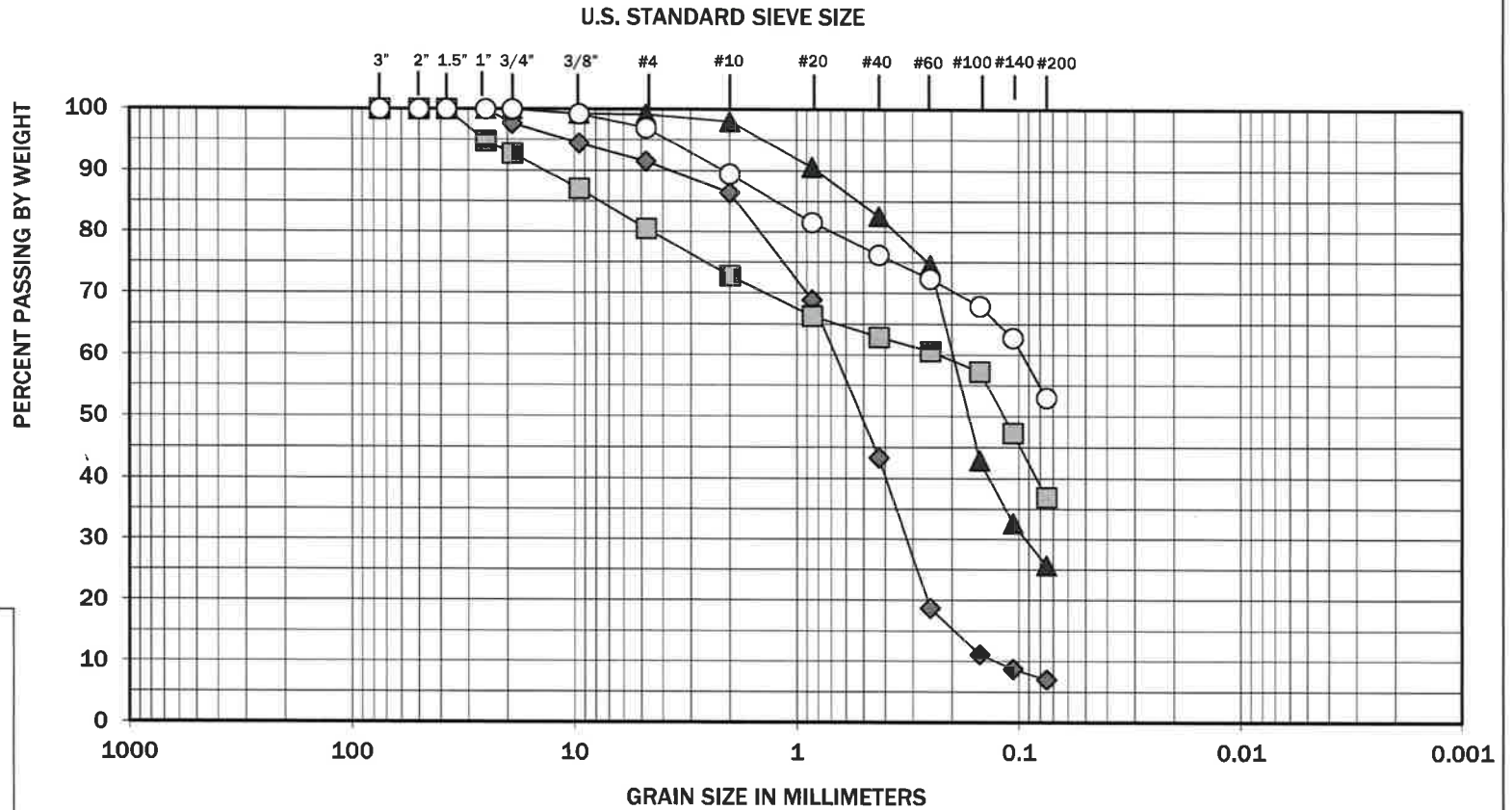
Date: 2/28/23 Path: P:\0598015\GINT\059801500.GPJ DB_Jibrary\Library\GEOENGINEERS_SF_STD_OLD\GEB_GEDTECH_STANDARD_MF_NO_GW

Date: 2/28/23 Path: P:\0598015\GINY\059801500.GPJ DB_Library/Library\GEOENGINEERS_DF_STD_JTD.GLB\GEIB_GEOTECH_STANDARD_4.F_NO_GW

Note: See Figure A-1 for explanation of symbols.
Coordinates Data Source: Horizontal approximated based on USGS Topographic. Vertical approximated based on USGS Topographic.

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Figure A-7
Sheet 1 of 1



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Symbol	Boring Number	Depth (feet)	Moisture (%)	Soil Description
◆	B-2	5	20	Poorly graded sand with silt (SP-SM)
■	B-3	2.5	22	Silty sand with gravel (SM)
▲	B-3	15	17	Silty sand (SM)
○	B-4	7.5	27	Sandy silt (ML)



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The grain size analysis results were obtained in general accordance with ASTM C 136. GeoEngineers 17425 NE Union Hill Road Ste 250, Redmond, WA 98052

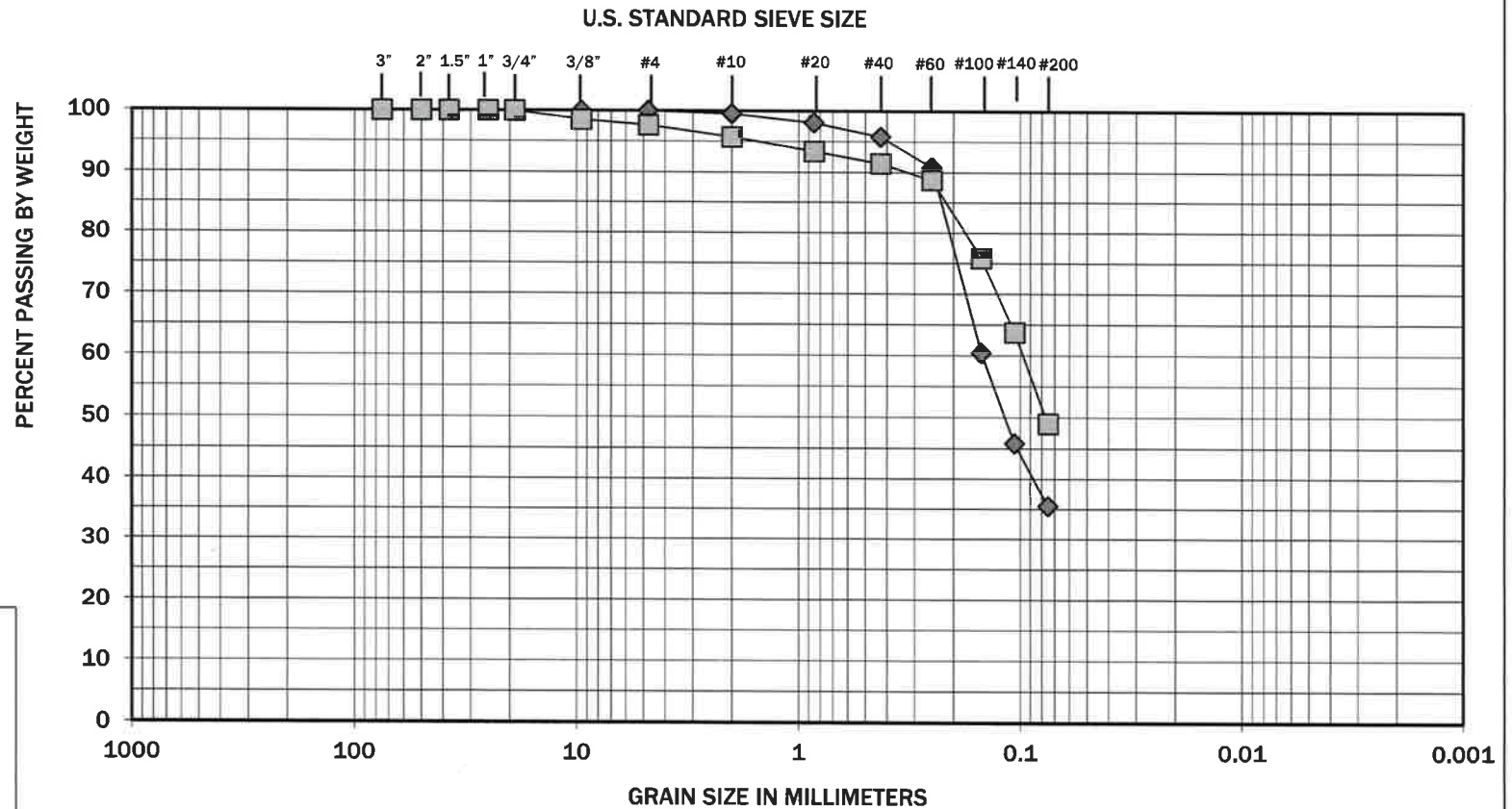
GEOENGINEERS



Figure A-8

Port Angeles Emergency Operations Center
Port Angeles, Washington

Sieve Analysis Results



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Symbol	Boring Number	Depth (feet)	Moisture (%)	Soil Description
◆	B-6	7.5	15	Silty sand (SM)
■	B-6	10.5	12	Silty sand (SM)



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The grain size analysis results were obtained in general accordance with ASTM C 136. GeoEngineers 17425 NE Union Hill Road Ste 250, Redmond, WA 98052

GEOENGINEERS



Figure A-9

Port Angeles Emergency Operations Center
Port Angeles, Washington

Sieve Analysis Results

APPENDIX B

Report Limitations and Guidelines for Use

APPENDIX B

REPORT LIMITATIONS AND GUIDELINES FOR USE¹

This appendix provides information to help you manage your risks with respect to the use of this report.

Read These Provisions Closely

It is important to recognize that the geoscience practices (geotechnical engineering, geology, and environmental science) rely on professional judgment and opinion to a greater extent than other engineering and natural science disciplines, where more precise and/or readily observable data may exist. To help clients better understand how this difference pertains to our services, GeoEngineers includes the following explanatory “limitations” provisions in its reports. Please confer with GeoEngineers if you need to know more how these “Report Limitations and Guidelines for Use” apply to your project or site.

Geotechnical Services are Performed for Specific Purposes, Persons and Projects

This report has been prepared for OAC Services, Inc. and for the Project(s) specifically identified in the report. The information contained herein is not applicable to other sites or projects.

GeoEngineers structures its services to meet the specific needs of its clients. No party other than the party to whom this report is addressed may rely on the product of our services unless we agree to such reliance in advance and in writing. Within the limitations of the agreed scope of services for the Project, and its schedule and budget, our services have been executed in accordance with our Subconsultant Agreement with OAC Services, Inc. executed on October 17, 2022 and generally accepted geotechnical practices in this area at the time this report was prepared. We do not authorize, and will not be responsible for, the use of this report for any purposes or projects other than those identified in the report.

A Geotechnical Engineering or Geologic Report is based on a Unique Set of Project-Specific Factors

This report has been prepared for the proposed Port Angeles Emergency Operations Center project in Port Angeles, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, it is important not to rely on this report if it was:

- Not prepared for you,
- Not prepared for your project,
- Not prepared for the specific site explored, or
- Completed before important project changes were made.

¹ Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

For example, changes that can affect the applicability of this report include those that affect:

- The function of the proposed structure;
- Elevation, configuration, location, orientation or weight of the proposed structure;
- Composition of the design team; or
- Project ownership.

If changes occur after the date of this report, GeoEngineers cannot be responsible for any consequences of such changes in relation to this report unless we have been given the opportunity to review our interpretations and recommendations. Based on that review, we can provide written modifications or confirmation, as appropriate.

Environmental Concerns are Not Covered

Unless environmental services were specifically included in our scope of services, this report does not provide any environmental findings, conclusions, or recommendations, including but not limited to, the likelihood of encountering underground storage tanks or regulated contaminants.

Information Provided by Others

GeoEngineers has relied upon certain data or information provided or compiled by others in the performance of our services. Although we use sources that we reasonably believe to be trustworthy, GeoEngineers cannot warrant or guarantee the accuracy or completeness of information provided or compiled by others.

Subsurface Conditions Can Change

This geotechnical or geologic report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by man-made events such as construction on or adjacent to the site, new information or technology that becomes available subsequent to the report date, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. If more than a few months have passed since issuance of our report or work product, or if any of the described events may have occurred, please contact GeoEngineers before applying this report for its intended purpose so that we may evaluate whether changed conditions affect the continued reliability or applicability of our conclusions and recommendations.

Information Provided by Others

GeoEngineers has relied upon certain data or information provided or compiled by others in the performance of our services. Although we use sources that we reasonably believe to be trustworthy, GeoEngineers cannot warrant or guarantee the accuracy or completeness of information provided or compiled by others.

Geotechnical and Geologic Findings are Professional Opinions

Our interpretations of subsurface conditions are based on field observations from widely spaced sampling locations at the site. Site exploration identifies the specific subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data

and then applied its professional judgment to render an informed opinion about subsurface conditions at other locations. Actual subsurface conditions may differ, sometimes significantly, from the opinions presented in this report. Our report, conclusions and interpretations are not a warranty of the actual subsurface conditions.

Geotechnical Engineering Report Recommendations are Not Final

We have developed the following recommendations based on data gathered from subsurface investigation(s). These investigations sample just a small percentage of a site to create a snapshot of the subsurface conditions elsewhere on the site. Such sampling on its own cannot provide a complete and accurate view of subsurface conditions for the entire site. Therefore, the recommendations included in this report are preliminary and should not be considered final. GeoEngineers' recommendations can be finalized only by observing actual subsurface conditions revealed during construction. GeoEngineers cannot assume responsibility or liability for the recommendations in this report if we do not perform construction observation.

We recommend that you allow sufficient monitoring, testing and consultation during construction by GeoEngineers to confirm that the conditions encountered are consistent with those indicated by the explorations, to provide recommendations for design changes if the conditions revealed during the work differ from those anticipated, and to evaluate whether earthwork activities are completed in accordance with our recommendations. Retaining GeoEngineers for construction observation for this project is the most effective means of managing the risks associated with unanticipated conditions. If another party performs field observation and confirms our expectations, the other party must take full responsibility for both the observations and recommendations. Please note, however, that another party would lack our project-specific knowledge and resources.

A Geotechnical Engineering or Geologic Report Could Be Subject to Misinterpretation

Misinterpretation of this report by members of the design team or by contractors can result in costly problems. GeoEngineers can help reduce the risks of misinterpretation by conferring with appropriate members of the design team after submitting the report, reviewing pertinent elements of the design team's plans and specifications, participating in pre-bid and preconstruction conferences, and providing construction observation.

Do Not Redraw the Exploration Logs

Geotechnical engineers and geologists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. The logs included in a geotechnical engineering or geologic report should never be redrawn for inclusion in architectural or other design drawings. Photographic or electronic reproduction is acceptable, but separating logs from the report can create a risk of misinterpretation.

Give Contractors a Complete Report and Guidance

To help reduce the risk of problems associated with unanticipated subsurface conditions, GeoEngineers recommends giving contractors the complete geotechnical engineering or geologic report, including these "Report Limitations and Guidelines for Use." When providing the report, you should preface it with a clearly written letter of transmittal that:

- Advises contractors that the report was not prepared for purposes of bid development and that its accuracy is limited; and
- Encourages contractors to confer with GeoEngineers and/or to conduct additional study to obtain the specific types of information they need or prefer.

Contractors are Responsible for Site Safety on Their Own Construction Projects

Our geotechnical recommendations are not intended to direct the contractor's procedures, methods, schedule or management of the work site. The contractor is solely responsible for job site safety and for managing construction operations to minimize risks to on-site personnel and adjacent properties.

Biological Pollutants

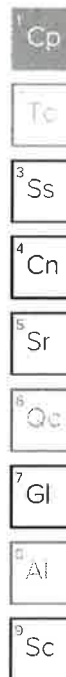
GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants, and no conclusions or inferences should be drawn regarding Biological Pollutants as they may relate to this project. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria and viruses, and/or any of their byproducts.

A Client that desires these specialized services is advised to obtain them from a consultant who offers services in this specialized field.



ANALYTICAL REPORT

March 07, 2023



GeoEngineers- Portland, OR

Sample Delivery Group: L1590161
Samples Received: 02/28/2023
Project Number: 0598-015-01
Description: Pt. Angeles EOC

Report To: Cris Watkins
4000 Kruse Way Place
Bldg. 3, Suite 200
Lake Oswego, OR 97035

Entire Report Reviewed By: *Brian Ford*

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

B-2-W L1590161-01 GW

Collected by
Nathan Solomon

Collected date/time
02/24/23 13:35

Received date/time
02/28/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2014523	1	03/01/23 15:13	03/02/23 12:42	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2014846	1	03/01/23 11:41	03/01/23 13:30	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2016151	1	03/03/23 02:33	03/03/23 02:33	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2015641	1	03/02/23 10:44	03/02/23 10:44	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2016248	1	03/06/23 16:44	03/07/23 05:30	NH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2014624	1	03/01/23 14:14	03/02/23 06:06	KLZ	Mt. Juliet, TN

B-1-S_10-2 L1590161-02 Solid

Collected by
Nathan Solomon

Collected date/time
02/24/23 10:30

Received date/time
02/28/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2015002	1	03/02/23 11:46	03/02/23 12:07	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2015133	1	03/01/23 17:19	03/02/23 09:24	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2015893	20	03/02/23 13:44	03/02/23 23:31	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2015893	5	03/02/23 13:44	03/02/23 22:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2017733	25	02/24/23 10:30	03/06/23 16:57	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2015173	1	02/24/23 10:30	03/01/23 18:58	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2015948	1	02/24/23 10:30	03/03/23 01:30	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2016237	1	03/04/23 18:12	03/05/23 09:35	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2016252	1	03/04/23 21:07	03/05/23 03:43	JCH	Mt. Juliet, TN

B-2-S_1.5-2.5 L1590161-04 Solid

Collected by
Nathan Solomon

Collected date/time
02/24/23 12:50

Received date/time
02/28/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2015002	1	03/02/23 11:46	03/02/23 12:07	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2015133	1	03/01/23 17:19	03/02/23 09:26	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2015893	5	03/02/23 13:44	03/02/23 22:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2017407	25	02/24/23 12:50	03/06/23 02:24	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2015173	1	02/24/23 12:50	03/01/23 19:17	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2015948	1	02/24/23 12:50	03/03/23 01:49	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2016237	1	03/04/23 18:12	03/05/23 11:23	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2016252	1	03/04/23 21:07	03/05/23 04:01	JCH	Mt. Juliet, TN

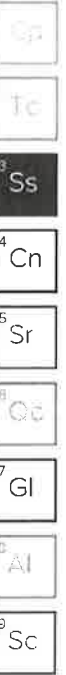
B-3-S_0.5-1.5 L1590161-06 Solid

Collected by
Nathan Solomon

Collected date/time
02/24/23 12:00

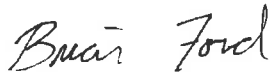
Received date/time
02/28/23 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2015002	1	03/02/23 11:46	03/02/23 12:07	CMK	Mt. Juliet, TN
Mercury by Method 7471B	WG2015133	1	03/01/23 17:19	03/02/23 09:34	LAS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2015893	5	03/02/23 13:44	03/02/23 22:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2017076	25	02/24/23 12:00	03/04/23 16:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2015173	1	02/24/23 12:00	03/01/23 19:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2015948	1	02/24/23 12:00	03/03/23 02:08	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2016237	1	03/04/23 18:12	03/05/23 10:30	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2016252	1	03/04/23 21:07	03/05/23 04:19	JCH	Mt. Juliet, TN



CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Brian Ford
Project Manager

Sp

Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

B-2-W

Collected date/time: 02/24/23 13:35

SAMPLE RESULTS - 01

L1590161

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.200	1	03/02/2023 12:42	WG2014523

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	ND		2.00	1	03/01/2023 13:30	WG2014846
Barium,Dissolved	ND		2.00	1	03/01/2023 13:30	WG2014846
Cadmium,Dissolved	ND		1.00	1	03/01/2023 13:30	WG2014846
Chromium,Dissolved	ND		2.00	1	03/01/2023 13:30	WG2014846
Lead,Dissolved	ND		2.00	1	03/01/2023 13:30	WG2014846
Selenium,Dissolved	ND		2.00	1	03/01/2023 13:30	WG2014846
Silver,Dissolved	ND		2.00	1	03/01/2023 13:30	WG2014846

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	03/03/2023 02:33	WG2016151
(S) a,a,a-Trifluorotoluene(FID)	107		78.0-120		03/03/2023 02:33	WG2016151

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.66	C3	1.00	1	03/02/2023 10:44	WG2015641
Acrylonitrile	ND		0.500	1	03/02/2023 10:44	WG2015641
Benzene	ND		0.0400	1	03/02/2023 10:44	WG2015641
Bromobenzene	ND		0.500	1	03/02/2023 10:44	WG2015641
Bromochloromethane	ND		0.200	1	03/02/2023 10:44	WG2015641
Bromodichloromethane	ND		0.100	1	03/02/2023 10:44	WG2015641
Bromoform	ND		1.00	1	03/02/2023 10:44	WG2015641
Bromomethane	ND		0.500	1	03/02/2023 10:44	WG2015641
n-Butylbenzene	ND		0.500	1	03/02/2023 10:44	WG2015641
sec-Butylbenzene	ND		0.500	1	03/02/2023 10:44	WG2015641
tert-Butylbenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
Carbon disulfide	ND		0.500	1	03/02/2023 10:44	WG2015641
Carbon tetrachloride	ND		0.200	1	03/02/2023 10:44	WG2015641
Chlorobenzene	ND		0.100	1	03/02/2023 10:44	WG2015641
Chlorodibromomethane	ND		0.100	1	03/02/2023 10:44	WG2015641
Chloroethane	ND		0.200	1	03/02/2023 10:44	WG2015641
Chloroform	ND		0.100	1	03/02/2023 10:44	WG2015641
Chloromethane	ND		0.500	1	03/02/2023 10:44	WG2015641
2-Chlorotoluene	ND		0.100	1	03/02/2023 10:44	WG2015641
4-Chlorotoluene	ND		0.200	1	03/02/2023 10:44	WG2015641
1,2-Dibromo-3-Chloropropane	ND		1.00	1	03/02/2023 10:44	WG2015641
1,2-Dibromoethane	ND		0.100	1	03/02/2023 10:44	WG2015641
Dibromomethane	ND		0.200	1	03/02/2023 10:44	WG2015641
1,2-Dichlorobenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
1,3-Dichlorobenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
1,4-Dichlorobenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
trans-1,4-Dichloro-2-butene	ND		0.200	1	03/02/2023 10:44	WG2015641
Dichlorodifluoromethane	ND		0.100	1	03/02/2023 10:44	WG2015641
1,1-Dichloroethane	ND		0.100	1	03/02/2023 10:44	WG2015641
1,2-Dichloroethane	ND		0.100	1	03/02/2023 10:44	WG2015641
1,1-Dichloroethene	ND		0.100	1	03/02/2023 10:44	WG2015641
cis-1,2-Dichloroethene	ND		0.100	1	03/02/2023 10:44	WG2015641

B-2-W

SAMPLE RESULTS - 01

Collected date/time: 02/24/23 13:35

L1590161

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
trans-1,2-Dichloroethene	ND		0.200	1	03/02/2023 10:44	WG2015641
1,2-Dichloropropane	ND		0.200	1	03/02/2023 10:44	WG2015641
1,1-Dichloropropene	ND		0.100	1	03/02/2023 10:44	WG2015641
1,3-Dichloropropane	ND		0.200	1	03/02/2023 10:44	WG2015641
cis-1,3-Dichloropropene	ND		0.100	1	03/02/2023 10:44	WG2015641
trans-1,3-Dichloropropene	ND		0.200	1	03/02/2023 10:44	WG2015641
2,2-Dichloropropane	ND		0.100	1	03/02/2023 10:44	WG2015641
Di-isopropyl ether	ND		0.0400	1	03/02/2023 10:44	WG2015641
Ethylbenzene	ND		0.100	1	03/02/2023 10:44	WG2015641
Hexachloro-1,3-butadiene	ND		1.00	1	03/02/2023 10:44	WG2015641
2-Hexanone	ND		1.00	1	03/02/2023 10:44	WG2015641
n-Hexane	ND		0.200	1	03/02/2023 10:44	WG2015641
Iodomethane	ND		0.500	1	03/02/2023 10:44	WG2015641
Isopropylbenzene	ND		0.100	1	03/02/2023 10:44	WG2015641
p-Isopropyltoluene	ND		0.200	1	03/02/2023 10:44	WG2015641
2-Butanone (MEK)	ND	J3	1.00	1	03/02/2023 10:44	WG2015641
Methylene Chloride	ND		1.00	1	03/02/2023 10:44	WG2015641
4-Methyl-2-pentanone (MIBK)	ND		1.00	1	03/02/2023 10:44	WG2015641
Methyl tert-butyl ether	ND		0.0400	1	03/02/2023 10:44	WG2015641
Naphthalene	ND		0.500	1	03/02/2023 10:44	WG2015641
n-Propylbenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
Styrene	ND		0.500	1	03/02/2023 10:44	WG2015641
1,1,1,2-Tetrachloroethane	ND		0.100	1	03/02/2023 10:44	WG2015641
1,1,2,2-Tetrachloroethane	ND		0.100	1	03/02/2023 10:44	WG2015641
1,1,2-Trichlorotrifluoroethane	ND		0.100	1	03/02/2023 10:44	WG2015641
Tetrachloroethene	ND		0.100	1	03/02/2023 10:44	WG2015641
Toluene	ND		0.200	1	03/02/2023 10:44	WG2015641
1,2,3-Trichlorobenzene	ND		0.500	1	03/02/2023 10:44	WG2015641
1,2,4-Trichlorobenzene	ND		0.500	1	03/02/2023 10:44	WG2015641
1,1,1-Trichloroethane	ND		0.100	1	03/02/2023 10:44	WG2015641
1,1,2-Trichloroethane	ND		0.100	1	03/02/2023 10:44	WG2015641
Trichloroethene	ND		0.0400	1	03/02/2023 10:44	WG2015641
Trichlorofluoromethane	ND		0.100	1	03/02/2023 10:44	WG2015641
1,2,3-Trichloropropane	ND		0.500	1	03/02/2023 10:44	WG2015641
1,2,4-Trimethylbenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
1,2,3-Trimethylbenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
1,3,5-Trimethylbenzene	ND		0.200	1	03/02/2023 10:44	WG2015641
Vinyl acetate	ND	J3	0.500	1	03/02/2023 10:44	WG2015641
Vinyl chloride	ND		0.100	1	03/02/2023 10:44	WG2015641
Xylenes, Total	ND		0.260	1	03/02/2023 10:44	WG2015641
(S) Toluene-d8	104		75.0-131		03/02/2023 10:44	WG2015641
(S) 4-Bromofluorobenzene	107		67.0-138		03/02/2023 10:44	WG2015641
(S) 1,2-Dichloroethane-d4	99.7		70.0-130		03/02/2023 10:44	WG2015641

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		200	1	03/07/2023 05:30	WG2016248
Residual Range Organics (RRO)	ND		250	1	03/07/2023 05:30	WG2016248
(S) o-Terphenyl	84.0		52.0-156		03/07/2023 05:30	WG2016248

B-2-W

SAMPLE RESULTS - 01

Collected date/time: 02/24/23 13:35

L1590161

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Acenaphthene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Acenaphthylene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Benzo(a)anthracene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Benzo(a)pyrene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Benzo(b)fluoranthene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Benzo(g,h,i)perylene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Benzo(k)fluoranthene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Chrysene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Dibenz(a,h)anthracene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Fluoranthene	ND		0.100	1	03/02/2023 06:06	WG2014624
Fluorene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Naphthalene	ND		0.250	1	03/02/2023 06:06	WG2014624
Phenanthrene	ND		0.0500	1	03/02/2023 06:06	WG2014624
Pyrene	ND		0.0500	1	03/02/2023 06:06	WG2014624
1-Methylnaphthalene	ND		0.250	1	03/02/2023 06:06	WG2014624
2-Methylnaphthalene	ND		0.250	1	03/02/2023 06:06	WG2014624
2-Chloronaphthalene	ND		0.250	1	03/02/2023 06:06	WG2014624
(S) Nitrobenzene-d5	73.2		31.0-160		03/02/2023 06:06	WG2014624
(S) 2-Fluorobiphenyl	65.8		48.0-148		03/02/2023 06:06	WG2014624
(S) p-Terphenyl-d14	48.6		37.0-146		03/02/2023 06:06	WG2014624



B-1-S_10-2

Collected date/time: 02/24/23 10:30

SAMPLE RESULTS - 02

L1590161

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.8		1	03/02/2023 12:07	WG2015002

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0471	1	03/02/2023 09:24	WG2015133

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	10.7		1.18	5	03/02/2023 22:46	WG2015893
Barium	269		11.8	20	03/02/2023 23:31	WG2015893
Cadmium	ND		1.18	5	03/02/2023 22:46	WG2015893
Chromium	64.5		5.89	5	03/02/2023 22:46	WG2015893
Lead	6.02		2.36	5	03/02/2023 22:46	WG2015893
Selenium	ND		2.95	5	03/02/2023 22:46	WG2015893
Silver	ND		0.589	5	03/02/2023 22:46	WG2015893

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		3.45	25	03/06/2023 16:57	WG2017733
(S) a,a,a-Trifluorotoluene(FID)	95.8		77.0-120		03/06/2023 16:57	WG2017733

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0689	1	03/01/2023 18:58	WG2015173
Acrylonitrile	ND		0.0172	1	03/01/2023 18:58	WG2015173
Benzene	ND		0.00138	1	03/01/2023 18:58	WG2015173
Bromobenzene	ND		0.0172	1	03/01/2023 18:58	WG2015173
Bromodichloromethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
Bromoform	ND		0.0345	1	03/01/2023 18:58	WG2015173
Bromomethane	ND		0.0172	1	03/01/2023 18:58	WG2015173
n-Butylbenzene	ND		0.0172	1	03/01/2023 18:58	WG2015173
sec-Butylbenzene	ND		0.0172	1	03/01/2023 18:58	WG2015173
tert-Butylbenzene	ND		0.00689	1	03/01/2023 18:58	WG2015173
Carbon tetrachloride	ND		0.00689	1	03/01/2023 18:58	WG2015173
Chlorobenzene	ND		0.00345	1	03/01/2023 18:58	WG2015173
Chlorodibromomethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
Chloroethane	ND		0.00689	1	03/01/2023 18:58	WG2015173
Chloroform	ND		0.00345	1	03/01/2023 18:58	WG2015173
Chloromethane	ND	J4	0.0172	1	03/01/2023 18:58	WG2015173
2-Chlorotoluene	ND		0.00345	1	03/01/2023 18:58	WG2015173
4-Chlorotoluene	ND		0.00689	1	03/01/2023 18:58	WG2015173
1,2-Dibromo-3-Chloropropane	ND		0.0345	1	03/01/2023 18:58	WG2015173
1,2-Dibromoethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
Dibromomethane	ND		0.00689	1	03/01/2023 18:58	WG2015173
1,2-Dichlorobenzene	ND		0.00689	1	03/01/2023 18:58	WG2015173
1,3-Dichlorobenzene	ND		0.00689	1	03/01/2023 18:58	WG2015173
1,4-Dichlorobenzene	ND		0.00689	1	03/01/2023 18:58	WG2015173
Dichlorodifluoromethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
1,1-Dichloroethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
1,2-Dichloroethane	ND		0.00345	1	03/01/2023 18:58	WG2015173

B-1-S_10-2

Collected date/time: 02/24/23 10:30

SAMPLE RESULTS - 02

L1590161

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	ND		0.00345	1	03/01/2023 18:58	WG2015173
cis-1,2-Dichloroethene	ND		0.00345	1	03/01/2023 18:58	WG2015173
trans-1,2-Dichloroethene	ND		0.00689	1	03/01/2023 18:58	WG2015173
1,2-Dichloropropane	ND		0.00689	1	03/01/2023 18:58	WG2015173
1,1-Dichloropropene	ND		0.00345	1	03/01/2023 18:58	WG2015173
1,3-Dichloropropane	ND		0.00689	1	03/01/2023 18:58	WG2015173
cis-1,3-Dichloropropene	ND		0.00345	1	03/01/2023 18:58	WG2015173
trans-1,3-Dichloropropene	ND		0.00689	1	03/01/2023 18:58	WG2015173
2,2-Dichloropropane	ND		0.00345	1	03/01/2023 18:58	WG2015173
Di-isopropyl ether	ND		0.00138	1	03/01/2023 18:58	WG2015173
Ethylbenzene	ND		0.00345	1	03/01/2023 18:58	WG2015173
Hexachloro-1,3-butadiene	ND		0.0345	1	03/01/2023 18:58	WG2015173
Isopropylbenzene	ND		0.00345	1	03/01/2023 18:58	WG2015173
p-Isopropyltoluene	ND		0.00689	1	03/01/2023 18:58	WG2015173
2-Butanone (MEK)	ND		0.138	1	03/01/2023 18:58	WG2015173
Methylene Chloride	ND	C3 J3 J4	0.0345	1	03/01/2023 18:58	WG2015173
4-Methyl-2-pentanone (MIBK)	ND		0.0345	1	03/01/2023 18:58	WG2015173
Methyl tert-butyl ether	ND		0.00138	1	03/01/2023 18:58	WG2015173
Naphthalene	ND		0.0172	1	03/01/2023 18:58	WG2015173
n-Propylbenzene	ND		0.00689	1	03/01/2023 18:58	WG2015173
Styrene	ND		0.0172	1	03/01/2023 18:58	WG2015173
1,1,1,2-Tetrachloroethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
1,1,2,2-Tetrachloroethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
1,1,2-Trichlorotrifluoroethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
Tetrachloroethene	ND		0.00345	1	03/01/2023 18:58	WG2015173
Toluene	ND		0.00689	1	03/01/2023 18:58	WG2015173
1,2,3-Trichlorobenzene	ND		0.0172	1	03/01/2023 18:58	WG2015173
1,2,4-Trichlorobenzene	ND		0.0172	1	03/01/2023 18:58	WG2015173
1,1,1-Trichloroethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
1,1,2-Trichloroethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
Trichloroethene	ND		0.00138	1	03/01/2023 18:58	WG2015173
Trichlorofluoromethane	ND		0.00345	1	03/01/2023 18:58	WG2015173
1,2,3-Trichloropropane	ND		0.0172	1	03/01/2023 18:58	WG2015173
1,2,4-Trimethylbenzene	ND		0.00689	1	03/03/2023 01:30	WG2015948
1,2,3-Trimethylbenzene	ND		0.00689	1	03/03/2023 01:30	WG2015948
1,3,5-Trimethylbenzene	ND		0.00689	1	03/03/2023 01:30	WG2015948
Vinyl chloride	ND		0.00345	1	03/01/2023 18:58	WG2015173
Xylenes, Total	ND		0.00896	1	03/03/2023 01:30	WG2015948
(S) Toluene-d8	99.0		75.0-131		03/01/2023 18:58	WG2015173
(S) Toluene-d8	105		75.0-131		03/03/2023 01:30	WG2015948
(S) 4-Bromofluorobenzene	94.1		67.0-138		03/01/2023 18:58	WG2015173
(S) 4-Bromofluorobenzene	100		67.0-138		03/03/2023 01:30	WG2015948
(S) 1,2-Dichloroethane-d4	82.6		70.0-130		03/01/2023 18:58	WG2015173
(S) 1,2-Dichloroethane-d4	97.6		70.0-130		03/03/2023 01:30	WG2015948

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		4.71	1	03/05/2023 09:35	WG2016237
Residual Range Organics (RRO)	ND		11.8	1	03/05/2023 09:35	WG2016237
(S) o-Terphenyl	50.9		18.0-148		03/05/2023 09:35	WG2016237

B-1-S_10-2

SAMPLE RESULTS - 02

Collected date/time: 02/24/23 10:30

L1590161

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Acenaphthene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Acenaphthylene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Benzo(a)anthracene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Benzo(a)pyrene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Benzo(b)fluoranthene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Benzo(g,h,i)perylene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Benzo(k)fluoranthene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Chrysene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Dibenz(a,h)anthracene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Fluoranthene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Fluorene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Indeno(1,2,3-cd)pyrene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Naphthalene	ND		0.0236	1	03/05/2023 03:43	WG2016252
Phenanthrene	ND		0.00707	1	03/05/2023 03:43	WG2016252
Pyrene	ND		0.00707	1	03/05/2023 03:43	WG2016252
1-Methylnaphthalene	ND		0.0236	1	03/05/2023 03:43	WG2016252
2-Methylnaphthalene	ND		0.0236	1	03/05/2023 03:43	WG2016252
2-Chloronaphthalene	ND		0.0236	1	03/05/2023 03:43	WG2016252
(S) p-Terphenyl-d14	70.8		23.0-120		03/05/2023 03:43	WG2016252
(S) Nitrobenzene-d5	84.3		14.0-149		03/05/2023 03:43	WG2016252
(S) 2-Fluorobiphenyl	72.2		34.0-125		03/05/2023 03:43	WG2016252

B-2-S_1.5-2.5

Collected date/time: 02/24/23 12:50

SAMPLE RESULTS - 04

L1590161

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.1		1	03/02/2023 12:07	WG2015002

Mercury by Method 7471B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0470	1	03/02/2023 09:26	WG2015133

Metals (ICPMS) by Method 6020B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.63		1.18	5	03/02/2023 22:49	WG2015893
Barium	106		2.94	5	03/02/2023 22:49	WG2015893
Cadmium	ND		1.18	5	03/02/2023 22:49	WG2015893
Chromium	48.7		5.88	5	03/02/2023 22:49	WG2015893
Lead	4.73		2.35	5	03/02/2023 22:49	WG2015893
Selenium	ND		2.94	5	03/02/2023 22:49	WG2015893
Silver	ND		0.588	5	03/02/2023 22:49	WG2015893

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		3.52	25	03/06/2023 02:24	WG2017407
(S) a,a,a-Trifluorotoluene(FID)	93.3		77.0-120		03/06/2023 02:24	WG2017407

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0704	1	03/01/2023 19:17	WG2015173
Acrylonitrile	ND		0.0176	1	03/01/2023 19:17	WG2015173
Benzene	ND		0.00141	1	03/01/2023 19:17	WG2015173
Bromobenzene	ND		0.0176	1	03/01/2023 19:17	WG2015173
Bromodichloromethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
Bromoform	ND		0.0352	1	03/01/2023 19:17	WG2015173
Bromomethane	ND		0.0176	1	03/01/2023 19:17	WG2015173
n-Butylbenzene	ND		0.0176	1	03/01/2023 19:17	WG2015173
sec-Butylbenzene	ND		0.0176	1	03/01/2023 19:17	WG2015173
tert-Butylbenzene	ND		0.00704	1	03/01/2023 19:17	WG2015173
Carbon tetrachloride	ND		0.00704	1	03/01/2023 19:17	WG2015173
Chlorobenzene	ND		0.00352	1	03/01/2023 19:17	WG2015173
Chlorodibromomethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
Chloroethane	ND		0.00704	1	03/01/2023 19:17	WG2015173
Chloroform	ND		0.00352	1	03/01/2023 19:17	WG2015173
Chloromethane	ND	J4	0.0176	1	03/01/2023 19:17	WG2015173
2-Chlorotoluene	ND		0.00352	1	03/01/2023 19:17	WG2015173
4-Chlorotoluene	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,2-Dibromo-3-Chloropropane	ND		0.0352	1	03/01/2023 19:17	WG2015173
1,2-Dibromoethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
Dibromomethane	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,2-Dichlorobenzene	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,3-Dichlorobenzene	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,4-Dichlorobenzene	ND		0.00704	1	03/01/2023 19:17	WG2015173
Dichlorodifluoromethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
1,1-Dichloroethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
1,2-Dichloroethane	ND		0.00352	1	03/01/2023 19:17	WG2015173

B-2-S_1.5-2.5

Collected date/time: 02/24/23 12:50

SAMPLE RESULTS - 04

L1590161

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	ND		0.00352	1	03/01/2023 19:17	WG2015173
cis-1,2-Dichloroethene	ND		0.00352	1	03/01/2023 19:17	WG2015173
trans-1,2-Dichloroethene	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,2-Dichloropropane	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,1-Dichloropropene	ND		0.00352	1	03/01/2023 19:17	WG2015173
1,3-Dichloropropane	ND		0.00704	1	03/01/2023 19:17	WG2015173
cis-1,3-Dichloropropene	ND		0.00352	1	03/01/2023 19:17	WG2015173
trans-1,3-Dichloropropene	ND		0.00704	1	03/01/2023 19:17	WG2015173
2,2-Dichloropropane	ND		0.00352	1	03/01/2023 19:17	WG2015173
Di-isopropyl ether	ND		0.00141	1	03/01/2023 19:17	WG2015173
Ethylbenzene	ND		0.00352	1	03/01/2023 19:17	WG2015173
Hexachloro-1,3-butadiene	ND		0.0352	1	03/01/2023 19:17	WG2015173
Isopropylbenzene	ND		0.00352	1	03/01/2023 19:17	WG2015173
p-Isopropyltoluene	ND		0.00704	1	03/01/2023 19:17	WG2015173
2-Butanone (MEK)	ND		0.141	1	03/01/2023 19:17	WG2015173
Methylene Chloride	ND	C3 J3 J4	0.0352	1	03/01/2023 19:17	WG2015173
4-Methyl-2-pentanone (MIBK)	ND		0.0352	1	03/01/2023 19:17	WG2015173
Methyl tert-butyl ether	ND		0.00141	1	03/01/2023 19:17	WG2015173
Naphthalene	ND		0.0176	1	03/01/2023 19:17	WG2015173
n-Propylbenzene	ND		0.00704	1	03/01/2023 19:17	WG2015173
Styrene	ND		0.0176	1	03/01/2023 19:17	WG2015173
1,1,1,2-Tetrachloroethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
1,1,2,2-Tetrachloroethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
1,1,2-Trichlorotrifluoroethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
Tetrachloroethene	ND		0.00352	1	03/01/2023 19:17	WG2015173
Toluene	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,2,3-Trichlorobenzene	ND		0.0176	1	03/01/2023 19:17	WG2015173
1,2,4-Trichlorobenzene	ND		0.0176	1	03/01/2023 19:17	WG2015173
1,1,1-Trichloroethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
1,1,2-Trichloroethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
Trichloroethene	ND		0.00141	1	03/01/2023 19:17	WG2015173
Trichlorofluoromethane	ND		0.00352	1	03/01/2023 19:17	WG2015173
1,2,3-Trichloropropane	ND		0.0176	1	03/01/2023 19:17	WG2015173
1,2,4-Trimethylbenzene	ND		0.00704	1	03/03/2023 01:49	WG2015948
1,2,3-Trimethylbenzene	ND		0.00704	1	03/01/2023 19:17	WG2015173
1,3,5-Trimethylbenzene	ND		0.00704	1	03/01/2023 19:17	WG2015173
Vinyl chloride	ND		0.00352	1	03/01/2023 19:17	WG2015173
Xylenes, Total	ND		0.00916	1	03/03/2023 01:49	WG2015948
(S) Toluene-d8	101		75.0-131		03/01/2023 19:17	WG2015173
(S) Toluene-d8	107		75.0-131		03/03/2023 01:49	WG2015948
(S) 4-Bromofluorobenzene	98.0		67.0-138		03/01/2023 19:17	WG2015173
(S) 4-Bromofluorobenzene	102		67.0-138		03/03/2023 01:49	WG2015948
(S) 1,2-Dichloroethane-d4	84.4		70.0-130		03/01/2023 19:17	WG2015173
(S) 1,2-Dichloroethane-d4	94.6		70.0-130		03/03/2023 01:49	WG2015948

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	5.60		4.70	1	03/05/2023 11:23	WG2016237
Residual Range Organics (RRO)	18.6		11.8	1	03/05/2023 11:23	WG2016237
(S) o-Terphenyl	76.4		18.0-148		03/05/2023 11:23	WG2016237

B-2-S_1.5-2.5

SAMPLE RESULTS - 04

Collected date/time: 02/24/23 12:50

L1590161

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Acenaphthene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Acenaphthylene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Benzo(a)anthracene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Benzo(a)pyrene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Benzo(b)fluoranthene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Benzo(g,h,i)perylene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Benzo(k)fluoranthene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Chrysene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Dibenz(a,h)anthracene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Fluoranthene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Fluorene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Indeno(1,2,3-cd)pyrene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Naphthalene	ND		0.0235	1	03/05/2023 04:01	WG2016252
Phenanthrene	ND		0.00705	1	03/05/2023 04:01	WG2016252
Pyrene	ND		0.00705	1	03/05/2023 04:01	WG2016252
1-Methylnaphthalene	ND		0.0235	1	03/05/2023 04:01	WG2016252
2-Methylnaphthalene	ND		0.0235	1	03/05/2023 04:01	WG2016252
2-Chloronaphthalene	ND		0.0235	1	03/05/2023 04:01	WG2016252
(S) p-Terphenyl-d14	67.1		23.0-120		03/05/2023 04:01	WG2016252
(S) Nitrobenzene-d5	69.8		14.0-149		03/05/2023 04:01	WG2016252
(S) 2-Fluorobiphenyl	66.5		34.0-125		03/05/2023 04:01	WG2016252

CP

Tc

³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

B-3-S_0.5-1.5

Collected date/time: 02/24/23 12:00

SAMPLE RESULTS - 06

L1590161

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	03/02/2023 12:07	WG2015002

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
Mercury	mg/kg		mg/kg			
Mercury	ND		0.0455	1	03/02/2023 09:34	WG2015133

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Arsenic	3.94		1.14	5	03/02/2023 22:53	WG2015893
Barium	84.4		2.84	5	03/02/2023 22:53	WG2015893
Cadmium	ND		1.14	5	03/02/2023 22:53	WG2015893
Chromium	48.9		5.68	5	03/02/2023 22:53	WG2015893
Lead	3.43		2.27	5	03/02/2023 22:53	WG2015893
Selenium	ND		2.84	5	03/02/2023 22:53	WG2015893
Silver	ND		0.568	5	03/02/2023 22:53	WG2015893

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Gasoline Range Organics-NWTPH	ND		3.23	25	03/04/2023 16:38	WG2017076
(S) a, a, a-Trifluorotoluene(FID)	108		77.0-120		03/04/2023 16:38	WG2017076

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Acetone	ND		0.0645	1	03/01/2023 19:36	WG2015173
Acrylonitrile	ND		0.0161	1	03/01/2023 19:36	WG2015173
Benzene	ND		0.00129	1	03/01/2023 19:36	WG2015173
Bromobenzene	ND		0.0161	1	03/01/2023 19:36	WG2015173
Bromodichloromethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
Bromoform	ND		0.0323	1	03/01/2023 19:36	WG2015173
Bromomethane	ND		0.0161	1	03/01/2023 19:36	WG2015173
n-Butylbenzene	ND		0.0161	1	03/01/2023 19:36	WG2015173
sec-Butylbenzene	ND		0.0161	1	03/01/2023 19:36	WG2015173
tert-Butylbenzene	ND		0.00645	1	03/01/2023 19:36	WG2015173
Carbon tetrachloride	ND		0.00645	1	03/01/2023 19:36	WG2015173
Chlorobenzene	ND		0.00323	1	03/01/2023 19:36	WG2015173
Chlorodibromomethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
Chloroethane	ND		0.00645	1	03/01/2023 19:36	WG2015173
Chloroform	ND		0.00323	1	03/01/2023 19:36	WG2015173
Chloromethane	ND	J4	0.0161	1	03/01/2023 19:36	WG2015173
2-Chlorotoluene	ND		0.00323	1	03/01/2023 19:36	WG2015173
4-Chlorotoluene	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,2-Dibromo-3-Chloropropane	ND		0.0323	1	03/01/2023 19:36	WG2015173
1,2-Dibromoethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
Dibromomethane	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,2-Dichlorobenzene	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,3-Dichlorobenzene	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,4-Dichlorobenzene	ND		0.00645	1	03/01/2023 19:36	WG2015173
Dichlorodifluoromethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
1,1-Dichloroethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
1,2-Dichloroethane	ND		0.00323	1	03/01/2023 19:36	WG2015173

B-3-S_0.5-1.5

SAMPLE RESULTS - 06

Collected date/time: 02/24/23 12:00

L1590161

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	ND		0.00323	1	03/01/2023 19:36	WG2015173
cis-1,2-Dichloroethene	ND		0.00323	1	03/01/2023 19:36	WG2015173
trans-1,2-Dichloroethene	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,2-Dichloropropane	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,1-Dichloropropene	ND		0.00323	1	03/01/2023 19:36	WG2015173
1,3-Dichloropropane	ND		0.00645	1	03/01/2023 19:36	WG2015173
cis-1,3-Dichloropropene	ND		0.00323	1	03/01/2023 19:36	WG2015173
trans-1,3-Dichloropropene	ND		0.00645	1	03/01/2023 19:36	WG2015173
2,2-Dichloropropane	ND		0.00323	1	03/01/2023 19:36	WG2015173
Di-isopropyl ether	ND		0.00129	1	03/01/2023 19:36	WG2015173
Ethylbenzene	ND		0.00323	1	03/01/2023 19:36	WG2015173
Hexachloro-1,3-butadiene	ND		0.0323	1	03/01/2023 19:36	WG2015173
Isopropylbenzene	ND		0.00323	1	03/01/2023 19:36	WG2015173
p-Isopropyltoluene	ND		0.00645	1	03/01/2023 19:36	WG2015173
2-Butanone (MEK)	ND		0.129	1	03/01/2023 19:36	WG2015173
Methylene Chloride	ND	C3 J3 J4	0.0323	1	03/01/2023 19:36	WG2015173
4-Methyl-2-pentanone (MIBK)	ND		0.0323	1	03/01/2023 19:36	WG2015173
Methyl tert-butyl ether	ND		0.00129	1	03/01/2023 19:36	WG2015173
Naphthalene	ND		0.0161	1	03/01/2023 19:36	WG2015173
n-Propylbenzene	ND		0.00645	1	03/01/2023 19:36	WG2015173
Styrene	ND		0.0161	1	03/01/2023 19:36	WG2015173
1,1,1,2-Tetrachloroethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
1,1,2,2-Tetrachloroethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
1,1,2-Trichlorotrifluoroethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
Tetrachloroethene	ND		0.00323	1	03/01/2023 19:36	WG2015173
Toluene	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,2,3-Trichlorobenzene	ND		0.0161	1	03/01/2023 19:36	WG2015173
1,2,4-Trichlorobenzene	ND		0.0161	1	03/01/2023 19:36	WG2015173
1,1,1-Trichloroethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
1,1,2-Trichloroethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
Trichloroethene	ND		0.00129	1	03/01/2023 19:36	WG2015173
Trichlorofluoromethane	ND		0.00323	1	03/01/2023 19:36	WG2015173
1,2,3-Trichloropropane	ND		0.0161	1	03/01/2023 19:36	WG2015173
1,2,4-Trimethylbenzene	ND		0.00645	1	03/03/2023 02:08	WG2015948
1,2,3-Trimethylbenzene	ND		0.00645	1	03/01/2023 19:36	WG2015173
1,3,5-Trimethylbenzene	ND		0.00645	1	03/01/2023 19:36	WG2015173
Vinyl chloride	ND		0.00323	1	03/01/2023 19:36	WG2015173
Xylenes, Total	ND		0.00839	1	03/03/2023 02:08	WG2015948
(S) Toluene-d8	96.7		75.0-131		03/01/2023 19:36	WG2015173
(S) Toluene-d8	105		75.0-131		03/03/2023 02:08	WG2015948
(S) 4-Bromofluorobenzene	93.4		67.0-138		03/01/2023 19:36	WG2015173
(S) 4-Bromofluorobenzene	102		67.0-138		03/03/2023 02:08	WG2015948
(S) 1,2-Dichloroethane-d4	88.7		70.0-130		03/01/2023 19:36	WG2015173
(S) 1,2-Dichloroethane-d4	99.3		70.0-130		03/03/2023 02:08	WG2015948

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6.08		4.55	1	03/05/2023 10:30	WG2016237
Residual Range Organics (RRO)	15.3		11.4	1	03/05/2023 10:30	WG2016237
(S) o-Terphenyl	49.5		18.0-148		03/05/2023 10:30	WG2016237

B-3-S_0.5-1.5

SAMPLE RESULTS - 06

Collected date/time: 02/24/23 12:00

L1590161

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Acenaphthene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Acenaphthylene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Benzo(a)anthracene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Benzo(a)pyrene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Benzo(b)fluoranthene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Benzo(g,h,i)perylene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Benzo(k)fluoranthene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Chrysene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Dibenz(a,h)anthracene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Fluoranthene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Fluorene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Indeno(1,2,3-cd)pyrene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Naphthalene	ND		0.0227	1	03/05/2023 04:19	WG2016252
Phenanthrene	ND		0.00682	1	03/05/2023 04:19	WG2016252
Pyrene	ND		0.00682	1	03/05/2023 04:19	WG2016252
1-Methylnaphthalene	ND		0.0227	1	03/05/2023 04:19	WG2016252
2-Methylnaphthalene	ND		0.0227	1	03/05/2023 04:19	WG2016252
2-Chloronaphthalene	ND		0.0227	1	03/05/2023 04:19	WG2016252
(S) p-Terphenyl-d14	57.6		23.0-120		03/05/2023 04:19	WG2016252
(S) Nitrobenzene-d5	68.3		14.0-149		03/05/2023 04:19	WG2016252
(S) 2-Fluorobiphenyl	59.8		34.0-125		03/05/2023 04:19	WG2016252

WG2015002

QUALITY CONTROL SUMMARY

Total Solids by Method 2540 G-2011

L1590161-02.04.06

Method Blank (MB)

(MB) R3896856-1 03/02/23 12:07

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

L1590211-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1590211-23 03/02/23 12:07 • (DUP) R3896856-3 03/02/23 12:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	78.9	78.3	1	0.835		10

Laboratory Control Sample (LCS)

(LCS) R3896856-2 03/02/23 12:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

1

2

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

WG2014523

Mercury by Method 7470A

QUALITY CONTROL SUMMARY

L1590161-01

Method Blank (MB)

(MB) R3896618-1 03/02/23 12:27

Analyte	MB Result ug/l	<u>MB Qualifier</u>	MB MDL ug/l	MB RDL ug/l
Mercury,Dissolved	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R3896618-2 03/02/23 12:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Mercury,Dissolved	3.00	2.90	96.7	80.0-120	

L1590118-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1590118-05 03/02/23 12:31 • (MS) R3896618-3 03/02/23 12:33 • (MSD) R3896618-4 03/02/23 12:35

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Mercury,Dissolved	3.00	ND	2.71	2.71	90.3	90.3	1	75.0-125			0.000	20

WG2015133

Mercury by Method 7471B

QUALITY CONTROL SUMMARY

L1590161-02,04,06

Method Blank (MB)

(MB) R3896533-1 03/02/23 09:04

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3896533-2 03/02/23 09:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Mercury	0.500	0.500	100	80.0-120	

L1590163-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1590163-01 03/02/23 09:09 • (MS) R3896533-3 03/02/23 09:11 • (MSD) R3896533-4 03/02/23 09:14

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Mercury	0.500	ND	0.523	0.550	105	110	1	75.0-125			4.87	20

1
Cl2
Fe3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

WG2014846

QUALITY CONTROL SUMMARY

Metals (ICPMS) by Method 6020B

L1590161-01

Method Blank (MB)

(MB) R3896202-1 03/01/23 13:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic,Dissolved	U		0.180	2.00
Barium,Dissolved	U		0.381	2.00
Cadmium,Dissolved	U		0.150	1.00
Chromium,Dissolved	U		1.24	2.00
Lead,Dissolved	U		0.849	2.00
Selenium,Dissolved	U		0.300	2.00
Silver,Dissolved	U		0.0700	2.00

Laboratory Control Sample (LCS)

(LCS) R3896202-2 03/01/23 13:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic,Dissolved	50.0	52.2	104	80.0-120	
Barium,Dissolved	50.0	50.9	102	80.0-120	
Cadmium,Dissolved	50.0	53.4	107	80.0-120	
Chromium,Dissolved	50.0	52.5	105	80.0-120	
Lead,Dissolved	50.0	51.6	103	80.0-120	
Selenium,Dissolved	50.0	57.9	116	80.0-120	
Silver,Dissolved	50.0	52.3	105	80.0-120	

L1590161-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1590161-01 03/01/23 13:30 • (MS) R3896202-4 03/01/23 13:40 • (MSD) R3896202-5 03/01/23 13:43

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic,Dissolved	50.0	ND	48.7	49.3	97.3	98.5	1	75.0-125			1.24	20
Barium,Dissolved	50.0	ND	50.7	51.8	99.1	101	1	75.0-125			2.32	20
Cadmium,Dissolved	50.0	ND	51.2	52.1	102	104	1	75.0-125			1.80	20
Chromium,Dissolved	50.0	ND	48.9	49.8	97.9	99.6	1	75.0-125			1.76	20
Lead,Dissolved	50.0	ND	51.0	50.2	102	100	1	75.0-125			1.64	20
Selenium,Dissolved	50.0	ND	59.3	56.5	119	113	1	75.0-125			4.96	20
Silver,Dissolved	50.0	ND	52.2	51.6	104	103	1	75.0-125			1.11	20

WG2015893

Metals (ICPMS) by Method 6020B

QUALITY CONTROL SUMMARY

L1590161-02,04,06

Method Blank (MB)

(MB) R3896797-1 03/02/23 22:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	1.00
Barium	U		0.152	2.50
Cadmium	U		0.0855	1.00
Chromium	U		0.297	5.00
Lead	U		0.0990	2.00
Selenium	U		0.180	2.50
Silver	U		0.0865	0.500

Laboratory Control Sample (LCS)

(LCS) R3896797-2 03/02/23 22:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	97.9	97.9	80.0-120	
Barium	100	98.0	98.0	80.0-120	
Cadmium	100	104	104	80.0-120	
Chromium	100	101	101	80.0-120	
Lead	100	102	102	80.0-120	
Selenium	100	107	107	80.0-120	
Silver	20.0	19.0	95.1	80.0-120	

L1590238-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1590238-02 03/02/23 22:30 • (MS) R3896797-5 03/02/23 22:40 • (MSD) R3896797-6 03/02/23 22:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	16.4	107	108	90.2	91.9	5	75.0-125			1.63	20
Barium	100	269	313	320	44.5	51.5	5	75.0-125	J6	J6	2.22	20
Cadmium	100	ND	106	106	106	106	5	75.0-125			0.364	20
Chromium	100	9.12	113	113	104	103	5	75.0-125			0.324	20
Lead	100	10.7	116	114	106	104	5	75.0-125			1.73	20
Selenium	100	ND	111	110	110	109	5	75.0-125			0.340	20
Silver	20.0	ND	19.1	18.8	95.7	93.9	5	75.0-125			1.91	20

WG2016151

Volatile Organic Compounds (GC) by Method NWTPHGX

QUALITY CONTROL SUMMARY

L1590161-01

Method Blank (MB)

(MB) R3897121-2 03/02/23 23:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	109			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3897121-1 03/02/23 22:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4950	90.0	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			103	78.0-120	



WG2017076

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC) by Method NWTPHGX

L1590161-06

Method Blank (MB)

(MB) R3897473-2 03/04/23 13:08

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.848	2.50
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	110			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3897473-1 03/04/23 11:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
TPHG C6 - C12	5.50	5.15	93.6	71.0-124	
(S) <i>a,a,a</i> -Trifluorotoluene(FID)			103	77.0-120	

1
Li2
Be3
B
Ss4
C
Cn5
N
Sr6
O
Qc7
F
Gl8
Ne
Al9
Na
Sc

WG2017407

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC) by Method NWTPHGX

L1590161-04

Method Blank (MB)

(MB) R3897633-2 03/05/23 23:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	95.5			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3897633-1 03/05/23 22:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	5.36	97.5	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			101	77.0-120	



WG2017733

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC) by Method NWTPHGX

L1590161-02

Method Blank (MB)

(MB) R3897943-2 03/06/23 15:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Gasoline Range Organics-NWTPH	U		0.848	2.50
(S) a,a,a-Trifluorotoluene(FID)	95.5			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3897943-1 03/06/23 14:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5.50	5.33	96.9	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			105	77.0-120	

Cu

Fe

3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Method Blank (MB)

(MB) R3896611-3 03/01/23 14:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250



WG2015173

Volatile Organic Compounds (GC/MS) by Method 8260D

QUALITY CONTROL SUMMARY

L1590161-02.04.06

Method Blank (MB)

(MB) R3896611-3 03/01/23 14:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
(S) Toluene-d8	96.9			75.0-131
(S) 4-Bromofluorobenzene	87.3			67.0-138
(S) 1,2-Dichloroethane-d4	80.1			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

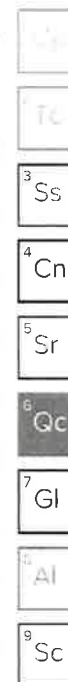
(LCS) R3896611-1 03/01/23 13:03 • (LCSD) R3896611-2 03/01/23 13:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.857	0.831	137	133	10.0-160			3.08	31
Acrylonitrile	0.625	0.702	0.687	112	110	45.0-153			2.16	22
Benzene	0.125	0.123	0.121	98.4	96.8	70.0-123			1.64	20
Bromobenzene	0.125	0.133	0.128	106	102	73.0-121			3.83	20
Bromodichloromethane	0.125	0.123	0.124	98.4	99.2	73.0-121			0.810	20
Bromoform	0.125	0.110	0.114	88.0	91.2	64.0-132			3.57	20
Bromomethane	0.125	0.129	0.134	103	107	56.0-147			3.80	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896611-1 03/01/23 13:03 • (LCSD) R3896611-2 03/01/23 13:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.125	0.133	0.128	106	102	68.0-135			3.83	20
sec-Butylbenzene	0.125	0.130	0.125	104	100	74.0-130			3.92	20
tert-Butylbenzene	0.125	0.127	0.124	102	99.2	75.0-127			2.39	20
Carbon tetrachloride	0.125	0.126	0.112	101	89.6	66.0-128			11.8	20
Chlorobenzene	0.125	0.129	0.125	103	100	76.0-128			3.15	20
Chlorodibromomethane	0.125	0.121	0.120	96.8	96.0	74.0-127			0.830	20
Chloroethane	0.125	0.150	0.144	120	115	61.0-134			4.08	20
Chloroform	0.125	0.122	0.119	97.6	95.2	72.0-123			2.49	20
Chloromethane	0.125	0.265	0.267	212	214	51.0-138	J4	J4	0.752	20
2-Chlorotoluene	0.125	0.127	0.126	102	101	75.0-124			0.791	20
4-Chlorotoluene	0.125	0.134	0.127	107	102	75.0-124			5.36	20
1,2-Dibromo-3-Chloropropane	0.125	0.126	0.128	101	102	59.0-130			1.57	20
1,2-Dibromoethane	0.125	0.132	0.126	106	101	74.0-128			4.65	20
Dibromomethane	0.125	0.126	0.121	101	96.8	75.0-122			4.05	20
1,2-Dichlorobenzene	0.125	0.142	0.137	114	110	76.0-124			3.58	20
1,3-Dichlorobenzene	0.125	0.138	0.132	110	106	76.0-125			4.44	20
1,4-Dichlorobenzene	0.125	0.132	0.139	106	111	77.0-121			5.17	20
Dichlorodifluoromethane	0.125	0.143	0.148	114	118	43.0-156			3.44	20
1,1-Dichloroethane	0.125	0.126	0.120	101	96.0	70.0-127			4.88	20
1,2-Dichloroethane	0.125	0.118	0.119	94.4	95.2	65.0-131			0.844	20
1,1-Dichloroethene	0.125	0.122	0.123	97.6	98.4	65.0-131			0.816	20
cis-1,2-Dichloroethene	0.125	0.125	0.124	100	99.2	73.0-125			0.803	20
trans-1,2-Dichloroethene	0.125	0.129	0.119	103	95.2	71.0-125			8.06	20
1,2-Dichloropropane	0.125	0.127	0.127	102	102	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.118	0.118	94.4	94.4	73.0-125			0.000	20
1,3-Dichloropropane	0.125	0.135	0.123	108	98.4	80.0-125			9.30	20
cis-1,3-Dichloropropene	0.125	0.122	0.125	97.6	100	76.0-127			2.43	20
trans-1,3-Dichloropropene	0.125	0.124	0.119	99.2	95.2	73.0-127			4.12	20
2,2-Dichloropropane	0.125	0.113	0.0973	90.4	77.8	59.0-135			14.9	20
Di-isopropyl ether	0.125	0.137	0.124	110	99.2	60.0-136			9.96	20
Ethylbenzene	0.125	0.120	0.115	96.0	92.0	74.0-126			4.26	20
Hexachloro-1,3-butadiene	0.125	0.142	0.151	114	121	57.0-150			6.14	20
Isopropylbenzene	0.125	0.141	0.130	113	104	72.0-127			8.12	20
p-Isopropyltoluene	0.125	0.129	0.126	103	101	72.0-133			2.35	20
2-Butanone (MEK)	0.625	0.767	0.669	123	107	30.0-160			13.6	24
Methylene Chloride	0.125	0.0702	0.135	56.2	108	68.0-123	J4	J3	63.2	20
4-Methyl-2-pentanone (MIBK)	0.625	0.731	0.691	117	111	56.0-143			5.63	20
Methyl tert-butyl ether	0.125	0.138	0.123	110	98.4	66.0-132			11.5	20
Naphthalene	0.125	0.105	0.119	84.0	95.2	59.0-130			12.5	20
n-Propylbenzene	0.125	0.128	0.119	102	95.2	74.0-126			7.29	20



WG2015173

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-02,04,06

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

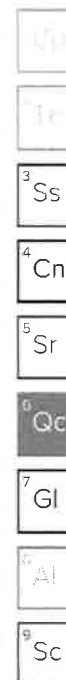
(LCS) R3896611-1 03/01/23 13:03 • (LCSD) R3896611-2 03/01/23 13:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Styrene	0.125	0.109	0.106	87.2	84.8	72.0-127			2.79	20
1,1,1,2-Tetrachloroethane	0.125	0.129	0.122	103	97.6	74.0-129			5.58	20
1,1,2,2-Tetrachloroethane	0.125	0.114	0.116	91.2	92.8	68.0-128			1.74	20
1,1,2-Trichlorotrifluoroethane	0.125	0.115	0.111	92.0	88.8	61.0-139			3.54	20
Tetrachloroethene	0.125	0.136	0.131	109	105	70.0-136			3.75	20
Toluene	0.125	0.126	0.121	101	96.8	75.0-121			4.05	20
1,2,3-Trichlorobenzene	0.125	0.122	0.143	97.6	114	59.0-139			15.8	20
1,2,4-Trichlorobenzene	0.125	0.149	0.170	119	136	62.0-137			13.2	20
1,1,1-Trichloroethane	0.125	0.125	0.116	100	92.8	69.0-126			7.47	20
1,1,2-Trichloroethane	0.125	0.136	0.129	109	103	78.0-123			5.28	20
Trichloroethene	0.125	0.120	0.123	96.0	98.4	76.0-126			2.47	20
Trichlorofluoromethane	0.125	0.172	0.169	138	135	61.0-142			1.76	20
1,2,3-Trichloropropane	0.125	0.127	0.116	102	92.8	67.0-129			9.05	20
1,2,3-Trimethylbenzene	0.125	0.132	0.125	106	100	74.0-124			5.45	20
1,3,5-Trimethylbenzene	0.125	0.128	0.121	102	96.8	73.0-127			5.62	20
Vinyl chloride	0.125	0.145	0.151	116	121	63.0-134			4.05	20
(S) Toluene-d8				95.4	92.2	75.0-131				
(S) 4-Bromofluorobenzene				94.1	93.4	67.0-138				
(S) 1,2-Dichloroethane-d4				93.6	92.0	70.0-130				

L1590118-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1590118-02 03/01/23 18:19 • (MS) R3896611-4 03/01/23 21:13 • (MSD) R3896611-5 03/01/23 21:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.728	ND	0.301	0.327	41.4	45.0	1.03	10.0-160			8.26	40
Acrylonitrile	0.728	ND	0.503	0.351	69.1	48.2	1.03	10.0-160			35.7	40
Benzene	0.146	ND	0.0810	0.0798	55.7	54.8	1.03	10.0-149			1.54	37
Bromobenzene	0.146	ND	0.0993	0.102	68.2	70.2	1.03	10.0-156			2.80	38
Bromodichloromethane	0.146	ND	0.0900	0.0902	61.9	61.9	1.03	10.0-143			0.125	37
Bromoform	0.146	ND	0.0817	0.0758	56.1	52.1	1.03	10.0-146			7.45	36
Bromomethane	0.146	ND	0.0525	0.0433	36.0	29.8	1.03	10.0-149			19.1	38
n-Butylbenzene	0.146	ND	0.0888	0.0880	54.5	54.0	1.03	10.0-160			0.893	40
sec-Butylbenzene	0.146	ND	0.0928	0.102	63.7	70.2	1.03	10.0-159			9.61	39
tert-Butylbenzene	0.146	ND	0.0950	0.105	65.3	72.3	1.03	10.0-156			10.3	39
Carbon tetrachloride	0.146	ND	0.0820	0.0766	56.4	52.6	1.03	10.0-145			6.83	37
Chlorobenzene	0.146	ND	0.0944	0.0914	64.9	62.8	1.03	10.0-152			3.28	39
Chlorodibromomethane	0.146	ND	0.0889	0.0882	61.1	60.6	1.03	10.0-146			0.764	37
Chloroethane	0.146	ND	0.0287	0.0281	19.7	19.3	1.03	10.0-146			1.99	40



WG2015173

QUALITY CONTROL SUMMARY

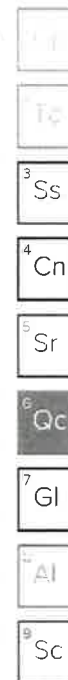
Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-02,04,06

L1590118-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1590118-02 03/01/23 18:19 • (MS) R3896611-4 03/01/23 21:13 • (MSD) R3896611-5 03/01/23 21:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloroform	0.146	ND	0.0837	0.0855	57.5	58.8	1.03	10.0-146			2.13	37
Chloromethane	0.146	ND	0.104	0.0792	71.5	54.4	1.03	10.0-159			27.1	37
2-Chlorotoluene	0.146	ND	0.0959	0.0996	65.9	68.4	1.03	10.0-159			3.81	38
4-Chlorotoluene	0.146	ND	0.0968	0.0923	66.5	63.4	1.03	10.0-155			4.77	39
1,2-Dibromo-3-Chloropropane	0.146	ND	0.0860	0.0781	59.1	53.6	1.03	10.0-151			9.63	39
1,2-Dibromoethane	0.146	ND	0.0891	0.0880	61.2	60.5	1.03	10.0-148			1.27	34
Dibromomethane	0.146	ND	0.0926	0.0877	63.6	60.2	1.03	10.0-147			5.51	35
1,2-Dichlorobenzene	0.146	ND	0.101	0.102	69.5	70.2	1.03	10.0-155			0.999	37
1,3-Dichlorobenzene	0.146	ND	0.0976	0.0964	67.1	66.2	1.03	10.0-153			1.28	38
1,4-Dichlorobenzene	0.146	ND	0.0383	0.0460	26.3	31.6	1.03	10.0-151			18.5	38
Dichlorodifluoromethane	0.146	ND	0.0627	0.0539	43.1	37.1	1.03	10.0-160			15.1	35
1,1-Dichloroethane	0.146	ND	0.0847	0.0838	58.2	57.6	1.03	10.0-147			1.07	37
1,2-Dichloroethane	0.146	ND	0.0800	0.0807	55.0	55.4	1.03	10.0-148			0.843	35
1,1-Dichloroethene	0.146	ND	0.0754	0.0705	51.8	48.4	1.03	10.0-155			6.65	37
cis-1,2-Dichloroethene	0.146	ND	0.0845	0.0820	58.1	56.4	1.03	10.0-149			2.98	37
trans-1,2-Dichloroethene	0.146	ND	0.0700	0.0688	48.1	47.3	1.03	10.0-150			1.63	37
1,2-Dichloropropane	0.146	ND	0.0944	0.0908	64.9	62.4	1.03	10.0-148			3.90	37
1,1-Dichloropropene	0.146	ND	0.0694	0.0710	47.7	48.8	1.03	10.0-153			2.25	35
1,3-Dichloropropane	0.146	ND	0.100	0.0982	69.0	67.4	1.03	10.0-154			2.27	35
cis-1,3-Dichloropropene	0.146	ND	0.0887	0.0841	60.9	57.8	1.03	10.0-151			5.36	37
trans-1,3-Dichloropropene	0.146	ND	0.0933	0.0876	64.1	60.2	1.03	10.0-148			6.36	37
2,2-Dichloropropane	0.146	ND	0.0652	0.0645	44.8	44.3	1.03	10.0-138			1.04	36
Di-isopropyl ether	0.146	ND	0.103	0.102	70.9	70.3	1.03	10.0-147			0.878	36
Ethylbenzene	0.146	ND	0.0869	0.0856	58.2	57.3	1.03	10.0-160			1.44	38
Hexachloro-1,3-butadiene	0.146	ND	0.0983	0.105	67.5	72.1	1.03	10.0-160			6.55	40
Isopropylbenzene	0.146	ND	0.0951	0.0948	64.7	64.4	1.03	10.0-155			0.357	38
p-Isopropyltoluene	0.146	ND	0.0924	0.0972	63.5	66.7	1.03	10.0-160			5.00	40
2-Butanone (MEK)	0.728	ND	0.293	0.408	40.3	56.1	1.03	10.0-160			32.8	40
Methylene Chloride	0.146	ND	0.0948	0.0952	65.1	65.4	1.03	10.0-141			0.475	37
4-Methyl-2-pentanone (MIBK)	0.728	ND	0.507	0.464	69.6	63.7	1.03	10.0-160			8.84	35
Methyl tert-butyl ether	0.146	ND	0.0999	0.0986	68.6	67.8	1.03	11.0-147			1.25	35
Naphthalene	0.146	0.0315	0.0920	0.0801	41.6	33.4	1.03	10.0-160			13.8	36
n-Propylbenzene	0.146	0.00592	0.0898	0.0949	57.6	61.1	1.03	10.0-158			5.50	38
Styrene	0.146	ND	0.0786	0.0722	54.0	49.6	1.03	10.0-160			8.53	40
1,1,1,2-Tetrachloroethane	0.146	ND	0.0935	0.0920	64.3	63.2	1.03	10.0-149			1.70	39
1,1,2,2-Tetrachloroethane	0.146	ND	0.0926	0.0906	63.6	62.2	1.03	10.0-160			2.22	35
1,1,2-Trichlorotrifluoroethane	0.146	ND	0.0791	0.0703	54.3	48.3	1.03	10.0-160			11.8	36
Tetrachloroethene	0.146	ND	0.0836	0.0828	57.4	56.9	1.03	10.0-156			0.949	39
Toluene	0.146	ND	0.0878	0.0869	60.3	59.7	1.03	10.0-156			1.03	38



WG2015173

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-02.04.06

L1590118-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1590118-02 03/01/23 18:19 • (MS) R3896611-4 03/01/23 21:13 • (MSD) R3896611-5 03/01/23 21:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,3-Trichlorobenzene	0.146	ND	0.0917	0.0985	63.0	67.7	1.03	10.0-160			7.12	40
1,2,4-Trichlorobenzene	0.146	ND	0.106	0.111	72.6	76.1	1.03	10.0-160			4.80	40
1,1,1-Trichloroethane	0.146	ND	0.0853	0.0810	58.6	55.7	1.03	10.0-144			5.16	35
1,1,2-Trichloroethane	0.146	ND	0.110	0.101	75.7	69.1	1.03	10.0-160			9.10	35
Trichloroethene	0.146	ND	0.0759	0.0765	52.2	52.6	1.03	10.0-156			0.740	38
Trichlorofluoromethane	0.146	ND	0.0653	0.0639	44.9	43.9	1.03	10.0-160			2.27	40
1,2,3-Trichloropropane	0.146	ND	0.0889	0.0893	61.1	61.3	1.03	10.0-156			0.380	35
1,2,3-Trimethylbenzene	0.146	0.0129	0.0928	0.0957	54.9	56.9	1.03	10.0-160			3.11	36
1,3,5-Trimethylbenzene	0.146	0.00865	0.0812	0.0993	49.9	62.3	1.03	10.0-160			20.0	38
Vinyl chloride	0.146	ND	0.0607	0.0563	41.7	38.7	1.03	10.0-160			7.52	37
(S) Toluene-d8					97.8	96.5		75.0-131				
(S) 4-Bromofluorobenzene					92.8	90.2		67.0-138				
(S) 1,2-Dichloroethane-d4					86.3	84.5		70.0-130				

WG2015948

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-02,04,06

Method Blank (MB)

(MB) R3896838-3 03/02/23 21:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	107			75.0-131
(S) 4-Bromofluorobenzene	95.0			67.0-138
(S) 1,2-Dichloroethane-d4	97.4			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896838-1 03/02/23 19:46 • (LCSD) R3896838-2 03/02/23 20:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2,4-Trimethylbenzene	0.125	0.121	0.126	96.8	101	70.0-126			4.05	20
1,2,3-Trimethylbenzene	0.125	0.120	0.129	96.0	103	74.0-124			7.23	20
1,3,5-Trimethylbenzene	0.125	0.126	0.132	101	106	73.0-127			4.65	20
Xylenes, Total	0.375	0.386	0.382	103	102	72.0-127			1.04	20
(S) Toluene-d8				103	103	75.0-131				
(S) 4-Bromofluorobenzene				102	103	67.0-138				
(S) 1,2-Dichloroethane-d4				101	101	70.0-130				

WG2015641

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-01

Method Blank (MB)

(MB) R3896887-3 03/02/23 09:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		0.548	1.00
Acrylonitrile	U		0.0760	0.500
Benzene	U		0.0160	0.0400
Bromobenzene	U		0.0420	0.500
Bromochloromethane	U		0.0452	0.200
Bromodichloromethane	U		0.0315	0.100
Bromoform	U		0.239	1.00
Bromomethane	U		0.148	0.500
n-Butylbenzene	U		0.153	0.500
sec-Butylbenzene	U		0.101	0.500
tert-Butylbenzene	U		0.0620	0.200
Carbon disulfide	U		0.162	0.500
Carbon tetrachloride	U		0.0432	0.200
Chlorobenzene	U		0.0229	0.100
Chlorodibromomethane	U		0.0180	0.100
Chloroethane	U		0.0432	0.200
Chloroform	U		0.0166	0.100
Chloromethane	U		0.0556	0.500
2-Chlorotoluene	U		0.0368	0.100
4-Chlorotoluene	U		0.0452	0.200
1,2-Dibromo-3-Chloropropane	U		0.204	1.00
1,2-Dibromoethane	U		0.0210	0.100
Dibromomethane	U		0.0400	0.200
1,2-Dichlorobenzene	U		0.0580	0.200
1,3-Dichlorobenzene	U		0.0680	0.200
1,4-Dichlorobenzene	U		0.0788	0.200
trans-1,4-Dichloro-2-butene	U		0.0560	0.200
Dichlorodifluoromethane	U		0.0327	0.100
1,1-Dichloroethane	U		0.0230	0.100
1,2-Dichloroethane	U		0.0190	0.100
1,1-Dichloroethene	U		0.0200	0.100
cis-1,2-Dichloroethene	U		0.0276	0.100
trans-1,2-Dichloroethene	U		0.0572	0.200
1,2-Dichloropropane	U		0.0508	0.200
1,1-Dichloropropene	U		0.0280	0.100
1,3-Dichloropropane	U		0.0700	0.200
cis-1,3-Dichloropropene	U		0.0271	0.100
trans-1,3-Dichloropropene	U		0.0612	0.200
2,2-Dichloropropane	U		0.0317	0.100
Di-isopropyl ether	U		0.0140	0.0400

ACCOUNT:
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0598-015-01SDG:
L1590161DATE/TIME:
03/07/23 15:43PAGE:
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QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-01

Method Blank (MB)

(MB) R3896887-3 03/02/23 09:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Ethylbenzene	U		0.0212	0.100
Hexachloro-1,3-butadiene	U		0.508	1.00
2-Hexanone	U		0.400	1.00
n-Hexane	U		0.0424	0.200
Iodomethane	U		0.242	0.500
Isopropylbenzene	U		0.0345	0.100
p-Isopropyltoluene	U		0.0932	0.200
2-Butanone (MEK)	U		0.500	1.00
Methylene Chloride	U		0.265	1.00
4-Methyl-2-pentanone (MIBK)	U		0.400	1.00
Methyl tert-butyl ether	U		0.0118	0.0400
Naphthalene	U		0.124	0.500
n-Propylbenzene	U		0.0472	0.200
Styrene	U		0.109	0.500
1,1,1,2-Tetrachloroethane	U		0.0200	0.100
1,1,2,2-Tetrachloroethane	U		0.0156	0.100
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.100
Tetrachloroethene	U		0.0280	0.100
Toluene	U		0.0500	0.200
1,2,3-Trichlorobenzene	0.182	U	0.0250	0.500
1,2,4-Trichlorobenzene	U		0.193	0.500
1,1,1-Trichloroethane	U		0.0110	0.100
1,1,2-Trichloroethane	U		0.0353	0.100
Trichloroethene	U		0.0160	0.0400
Trichlorofluoromethane	U		0.0200	0.100
1,2,3-Trichloropropane	U		0.204	0.500
1,2,4-Trimethylbenzene	U		0.0464	0.200
1,2,3-Trimethylbenzene	U		0.0460	0.200
1,3,5-Trimethylbenzene	U		0.0432	0.200
Vinyl acetate	U		0.141	0.500
Vinyl chloride	U		0.0273	0.100
Xylenes, Total	U		0.191	0.260
(S) Toluene-d8	103			75.0-131
(S) 4-Bromofluorobenzene	104			67.0-138
(S) 1,2-Dichloroethane-d4	101			70.0-130



WG2015641

QUALITY CONTROL SUMMARY

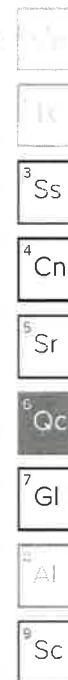
Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-01

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896887-1 03/02/23 08:14 • (LCSD) R3896887-2 03/02/23 08:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	16.5	17.9	66.0	71.6	10.0-160			8.14	31
Acrylonitrile	25.0	22.2	21.8	88.8	87.2	45.0-153			1.82	22
Benzene	5.00	4.72	4.68	94.4	93.6	70.0-123			0.851	20
Bromobenzene	5.00	5.15	4.92	103	98.4	73.0-121			4.57	20
Bromochloromethane	5.00	5.10	5.13	102	103	77.0-128			0.587	20
Bromodichloromethane	5.00	5.04	5.00	101	100	73.0-121			0.797	20
Bromoform	5.00	5.15	5.02	103	100	64.0-132			2.56	20
Bromomethane	5.00	5.17	4.24	103	84.8	56.0-147			19.8	20
n-Butylbenzene	5.00	5.04	4.74	101	94.8	68.0-135			6.13	20
sec-Butylbenzene	5.00	5.10	5.08	102	102	74.0-130			0.393	20
tert-Butylbenzene	5.00	5.20	5.13	104	103	75.0-127			1.36	20
Carbon disulfide	5.00	4.48	4.27	89.6	85.4	56.0-133			4.80	20
Carbon tetrachloride	5.00	4.93	5.09	98.6	102	66.0-128			3.19	20
Chlorobenzene	5.00	4.83	4.68	96.6	93.6	76.0-128			3.15	20
Chlorodibromomethane	5.00	4.91	4.51	98.2	90.2	74.0-127			8.49	20
Chloroethane	5.00	5.85	4.81	117	96.2	61.0-134			19.5	20
Chloroform	5.00	5.02	4.90	100	98.0	72.0-123			2.42	20
Chloromethane	5.00	4.32	4.10	86.4	82.0	51.0-138			5.23	20
2-Chlorotoluene	5.00	5.17	4.96	103	99.2	75.0-124			4.15	20
4-Chlorotoluene	5.00	4.88	4.82	97.6	96.4	75.0-124			1.24	20
1,2-Dibromo-3-Chloropropane	5.00	4.44	4.35	88.8	87.0	59.0-130			2.05	20
1,2-Dibromoethane	5.00	5.08	4.99	102	99.8	74.0-128			1.79	20
Dibromomethane	5.00	4.94	4.85	98.8	97.0	75.0-122			1.84	20
1,2-Dichlorobenzene	5.00	4.66	4.66	93.2	93.2	76.0-124			0.000	20
1,3-Dichlorobenzene	5.00	4.83	4.73	96.6	94.6	76.0-125			2.09	20
1,4-Dichlorobenzene	5.00	4.91	4.85	98.2	97.0	77.0-121			1.23	20
trans-1,4-Dichloro-2-butene	5.00	5.19	4.94	104	98.8	45.0-143			4.94	20
Dichlorodifluoromethane	5.00	4.53	4.27	90.6	85.4	43.0-156			5.91	20
1,1-Dichloroethane	5.00	4.72	4.63	94.4	92.6	70.0-127			1.93	20
1,2-Dichloroethane	5.00	4.72	4.55	94.4	91.0	65.0-131			3.67	20
1,1-Dichloroethene	5.00	4.54	4.49	90.8	89.8	65.0-131			1.11	20
cis-1,2-Dichloroethene	5.00	5.03	5.04	101	101	73.0-125			0.199	20
trans-1,2-Dichloroethene	5.00	5.09	4.95	102	99.0	71.0-125			2.79	20
1,2-Dichloropropane	5.00	4.98	4.85	99.6	97.0	74.0-125			2.64	20
1,1-Dichloropropene	5.00	5.07	4.89	101	97.8	73.0-125			3.61	20
1,3-Dichloropropane	5.00	5.16	4.94	103	98.8	80.0-125			4.36	20
cis-1,3-Dichloropropene	5.00	5.18	5.03	104	101	76.0-127			2.94	20
trans-1,3-Dichloropropene	5.00	5.15	4.78	103	95.6	73.0-127			7.45	20
2,2-Dichloropropane	5.00	5.38	5.13	108	103	59.0-135			4.76	20
Di-isopropyl ether	5.00	5.08	4.86	102	97.2	60.0-136			4.43	20



WG2015641

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260D

L1590161-01

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896887-1 03/02/23 08:14 • (LCSD) R3896887-2 03/02/23 08:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	5.00	5.12	4.83	102	96.6	74.0-126			5.83	20
Hexachloro-1,3-butadiene	5.00	4.97	4.60	99.4	92.0	57.0-150			7.73	20
2-Hexanone	25.0	24.6	23.8	98.4	95.2	54.0-147			3.31	20
n-Hexane	5.00	5.01	4.54	100	90.8	55.0-137			9.84	20
Iodomethane	25.0	24.9	24.0	99.6	96.0	74.0-134			3.68	20
Isopropylbenzene	5.00	4.98	4.88	99.6	97.6	72.0-127			2.03	20
p-Isopropyltoluene	5.00	5.16	5.03	103	101	72.0-133			2.55	20
2-Butanone (MEK)	25.0	28.3	21.6	113	86.4	30.0-160	J3		26.9	24
Methylene Chloride	5.00	5.06	4.81	101	96.2	68.0-123			5.07	20
4-Methyl-2-pentanone (MIBK)	25.0	23.6	22.6	94.4	90.4	56.0-143			4.33	20
Methyl tert-butyl ether	5.00	4.61	4.59	92.2	91.8	66.0-132			0.435	20
Naphthalene	5.00	4.24	4.25	84.8	85.0	59.0-130			0.236	20
n-Propylbenzene	5.00	4.92	4.87	98.4	97.4	74.0-126			1.02	20
Styrene	5.00	4.84	4.78	96.8	95.6	72.0-127			1.25	20
1,1,1,2-Tetrachloroethane	5.00	5.43	5.32	109	106	74.0-129			2.05	20
1,1,2,2-Tetrachloroethane	5.00	4.99	4.87	99.8	97.4	68.0-128			2.43	20
1,1,2-Trichlorotrifluoroethane	5.00	4.24	4.65	84.8	93.0	61.0-139			9.22	20
Tetrachloroethene	5.00	5.37	5.06	107	101	70.0-136			5.94	20
Toluene	5.00	4.82	4.75	96.4	95.0	75.0-121			1.46	20
1,2,3-Trichlorobenzene	5.00	4.22	4.04	84.4	80.8	59.0-139			4.36	20
1,2,4-Trichlorobenzene	5.00	4.61	4.66	92.2	93.2	62.0-137			1.08	20
1,1,1-Trichloroethane	5.00	4.73	4.96	94.6	99.2	69.0-126			4.75	20
1,1,2-Trichloroethane	5.00	5.26	4.93	105	98.6	78.0-123			6.48	20
Trichloroethene	5.00	4.81	4.81	96.2	96.2	76.0-126			0.000	20
Trichlorofluoromethane	5.00	5.18	4.55	104	91.0	61.0-142			12.9	20
1,2,3-Trichloropropane	5.00	4.93	4.80	98.6	96.0	67.0-129			2.67	20
1,2,4-Trimethylbenzene	5.00	4.82	4.73	96.4	94.6	70.0-126			1.88	20
1,2,3-Trimethylbenzene	5.00	4.75	4.69	95.0	93.8	74.0-124			1.27	20
1,3,5-Trimethylbenzene	5.00	4.92	4.83	98.4	96.6	73.0-127			1.85	20
Vinyl acetate	25.0	27.3	19.9	109	79.6	43.0-159	J3		31.4	20
Vinyl chloride	5.00	4.51	4.44	90.2	88.8	63.0-134			1.56	20
Xylenes, Total	15.0	14.9	14.4	99.3	96.0	72.0-127			3.41	20
(S) Toluene-d8				105	102	75.0-131				
(S) 4-Bromofluorobenzene				104	101	67.0-138				
(S) 1,2-Dichloroethane-d4				98.7	100	70.0-130				



WG2016237

QUALITY CONTROL SUMMARY

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

L1590161-02,04,06

Method Blank (MB)

(MB) R3897454-1 03/05/23 07:44

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	77.0			18.0-148

Laboratory Control Sample (LCS)

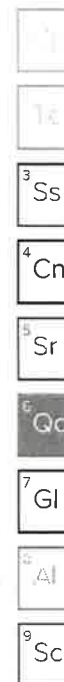
(LCS) R3897454-2 03/05/23 07:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Diesel Range Organics (DRO)	50.0	30.3	60.6	50.0-150	
(S) o-Terphenyl			66.5	18.0-148	

L1589434-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1589434-09 03/05/23 08:10 • (MS) R3897454-3 03/05/23 08:24 • (MSD) R3897454-4 03/05/23 08:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Diesel Range Organics (DRO)	48.3	ND	28.2	34.4	58.4	70.9	1	50.0-150			19.8	20
(S) o-Terphenyl					63.5	75.9		18.0-148				



Method Blank (MB)

(MB) R3898036-1 03/06/23 21:21				
Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	115			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3898036-2 03/06/23 21:43 • (LCSD) R3898036-3 03/06/23 22:05										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Diesel Range Organics (DRO)	1500	1370	1530	91.3	102	50.0-150			11.0	20
(S) o-Terphenyl				74.5	82.5	52.0-156				

1

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

WG2014624

QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

L1590161-01

Method Blank (MB)

(MB) R3896988-3 03/02/23 00:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
(S) Nitrobenzene-d5	87.5			31.0-160
(S) 2-Fluorobiphenyl	90.0			48.0-148
(S) p-Terphenyl-d14	85.0			37.0-146

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896988-1 03/02/23 00:00 • (LCSD) R3896988-2 03/02/23 00:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	2.00	2.20	2.03	110	102	67.0-150			8.04	20
Acenaphthene	2.00	2.18	2.02	109	101	65.0-138			7.62	20
Acenaphthylene	2.00	2.21	2.02	111	101	66.0-140			8.98	20
Benzo(a)anthracene	2.00	2.23	2.05	111	103	61.0-140			8.41	20
Benzo(a)pyrene	2.00	2.38	2.18	119	109	60.0-143			8.77	20
Benzo(b)fluoranthene	2.00	2.20	2.03	110	102	58.0-141			8.04	20
Benzo(g,h,i)perylene	2.00	2.04	1.90	102	95.0	52.0-153			7.11	20
Benzo(k)fluoranthene	2.00	2.13	1.96	106	98.0	58.0-148			8.31	20
Chrysene	2.00	2.26	2.07	113	104	64.0-144			8.78	20
Dibenz(a,h)anthracene	2.00	1.99	1.83	99.5	91.5	52.0-155			8.38	20
Fluoranthene	2.00	2.39	2.22	119	111	69.0-153			7.38	20

WG2014624

QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

L1590161-01

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3896988-1 03/02/23 00:00 • (LCSD) R3896988-2 03/02/23 00:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Fluorene	2.00	2.27	2.06	114	103	64.0-136			9.70	20
Indeno(1,2,3-cd)pyrene	2.00	2.18	1.98	109	99.0	54.0-153			9.62	20
Naphthalene	2.00	2.09	1.91	104	95.5	61.0-137			9.00	20
Phenanthrene	2.00	2.22	2.05	111	103	62.0-137			7.96	20
Pyrene	2.00	2.28	2.14	114	107	60.0-142			6.33	20
1-Methylnaphthalene	2.00	2.16	2.00	108	100	66.0-142			7.69	20
2-Methylnaphthalene	2.00	2.25	2.06	112	103	62.0-136			8.82	20
2-Chloronaphthalene	2.00	2.15	1.99	107	99.5	64.0-140			7.73	20
(S) Nitrobenzene-d5				99.5	86.5	31.0-160				
(S) 2-Fluorobiphenyl				103	92.5	48.0-148				
(S) p-Terphenyl-d14				93.0	85.0	37.0-146				

WG2016252

QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

L1590161-02.04.06

Method Blank (MB)

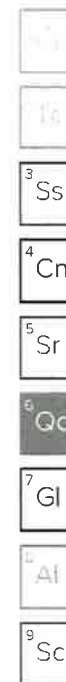
(MB) R3897635-2 03/05/23 00:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) p-Terphenyl-d14	82.3			23.0-120
(S) Nitrobenzene-d5	89.7			14.0-149
(S) 2-Fluorobiphenyl	83.5			34.0-125

Laboratory Control Sample (LCS)

(LCS) R3897635-1 03/04/23 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0841	105	50.0-126	
Acenaphthene	0.0800	0.0766	95.8	50.0-120	
Acenaphthylene	0.0800	0.0816	102	50.0-120	
Benzo(a)anthracene	0.0800	0.0890	111	45.0-120	
Benzo(a)pyrene	0.0800	0.0714	89.3	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0781	97.6	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0715	89.4	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0733	91.6	49.0-125	
Chrysene	0.0800	0.0833	104	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0757	94.6	47.0-125	
Fluoranthene	0.0800	0.0929	116	49.0-129	



WG2016252

QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

L1590161-02,04,06

Laboratory Control Sample (LCS)

(LCS) R3897635-1 03/04/23 23:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Fluorene	0.0800	0.0843	105	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0822	103	46.0-125	
Naphthalene	0.0800	0.0676	84.5	50.0-120	
Phenanthrene	0.0800	0.0775	96.9	47.0-120	
Pyrene	0.0800	0.0756	94.5	43.0-123	
1-Methylnaphthalene	0.0800	0.0736	92.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0774	96.8	50.0-120	
2-Chloronaphthalene	0.0800	0.0747	93.4	50.0-120	
(S) p-Terphenyl-d14			85.1	23.0-120	
(S) Nitrobenzene-d5			103	14.0-149	
(S) 2-Fluorobiphenyl			92.6	34.0-125	

L1589532-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1589532-02 03/05/23 00:29 • (MS) R3897635-3 03/05/23 00:47 • (MSD) R3897635-4 03/05/23 01:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0919	ND	0.0752	0.0784	81.9	84.9	1	10.0-145			4.18	30
Acenaphthene	0.0919	ND	0.0725	0.0733	78.9	79.4	1	14.0-127			1.14	27
Acenaphthylene	0.0919	ND	0.0764	0.0789	83.2	85.4	1	21.0-124			3.22	25
Benzo(a)anthracene	0.0919	ND	0.0798	0.0863	86.8	93.4	1	10.0-139			7.89	30
Benzo(a)pyrene	0.0919	ND	0.0781	0.0836	85.0	90.5	1	10.0-141			6.77	31
Benzo(b)fluoranthene	0.0919	ND	0.0676	0.0718	73.6	77.7	1	10.0-140			5.98	36
Benzo(g,h,i)perylene	0.0919	ND	0.0658	0.0700	71.6	75.8	1	10.0-140			6.13	33
Benzo(k)fluoranthene	0.0919	ND	0.0680	0.0736	74.0	79.6	1	10.0-137			7.91	31
Chrysene	0.0919	ND	0.0773	0.0840	84.1	91.0	1	10.0-145			8.41	30
Dibenz(a,h)anthracene	0.0919	ND	0.0694	0.0752	75.5	81.4	1	10.0-132			8.07	31
Fluoranthene	0.0919	ND	0.0811	0.0843	88.2	91.2	1	10.0-153			3.89	33
Fluorene	0.0919	ND	0.0756	0.0793	82.3	85.8	1	11.0-130			4.77	29
Indeno(1,2,3-cd)pyrene	0.0919	ND	0.0740	0.0789	80.6	85.4	1	10.0-137			6.38	32
Naphthalene	0.0919	ND	0.0767	0.0709	83.4	76.8	1	10.0-135			7.74	27
Phenanthrene	0.0919	ND	0.0712	0.0733	77.5	79.4	1	10.0-144			2.97	31
Pyrene	0.0919	ND	0.0680	0.0714	74.0	77.3	1	10.0-148			4.95	35
1-Methylnaphthalene	0.0919	ND	0.0739	0.0736	80.4	79.6	1	10.0-142			0.484	28
2-Methylnaphthalene	0.0919	ND	0.0783	0.0774	85.2	83.8	1	10.0-137			1.22	28
2-Chloronaphthalene	0.0919	ND	0.0717	0.0738	78.0	79.9	1	29.0-120			2.95	24
(S) p-Terphenyl-d14					55.3	59.8		23.0-120				
(S) Nitrobenzene-d5					85.7	75.4		14.0-149				
(S) 2-Fluorobiphenyl					54.2	57.7		34.0-125				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

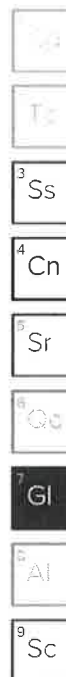
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. (this will only be present on a dry report basis for soils).
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



ACCREDITATIONS & LOCATIONS

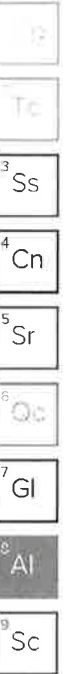
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

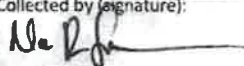
Alabama	40660	Nebraska	NE-05-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: GeoEngineers- Portland, OR 4000 Kruse Way Place Bldg. 3, Suite 200 Lake Oswego, OR 97035 Report to: Cris Watkins Project Description: Pt. Angeles EOC City/State Collected: PORT ANGELES WA ☒ PT ☐ MT ☐ CT ☐ ET Phone: 503-603-6661 Client Project # 0598-015-01 Lab Project # GEOENGPOR-PTANGELES Collected by (print): NATHAN SOLOMON Collected by (signature):  Rush? (Lab MUST Be Notified) ☐ Same Day ☒ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day Immediately Packed on Ice N ☐ Y ☒				Billing Information: Accounts Payable (Marlee Johnston) 17425 NE Union Hill Rd, Suite 250 Redmond, WA 98052 Email To: cwatkins@geoengineers.com;nsolomon@geoen				Pres Chk	Analysis / Container / Preservative <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">s</td><td style="width:10%;">s</td><td style="width:10%;">s</td><td style="width:10%;">s</td><td style="width:10%;">s</td><td style="width:10%;">w</td><td style="width:10%;">w</td><td style="width:10%;">w</td><td style="width:10%;">w</td><td style="width:10%;">w</td> </tr> <tr> <td>NWTPHDX no silica 8ozClr-NoPres</td> <td>NWTPHGX 40mlAmb/MeOH10ml/Syr</td> <td>PAHs 8270SIM 8ozClr-NoPres</td> <td>RCRA8 Metals 8ozClr-NoPres</td> <td>VOCs 8260 40mlAmb/MeOH10ml/Syr</td> <td>Diss RCRA8 Metals 250mlHDPE-NoPres</td> <td>NWTPHDX no silica 40mlAmb-HCl-BT</td> <td>NWTPHGX 40mlAmb HCl</td> <td>PAHs 8270SIM 40mlAmb-NoPres-WT</td> <td>VOCs 8260ULL 40mlAmb HCl</td> </tr> </table>										s	s	s	s	s	w	w	w	w	w	NWTPHDX no silica 8ozClr-NoPres	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHs 8270SIM 8ozClr-NoPres	RCRA8 Metals 8ozClr-NoPres	VOCs 8260 40mlAmb/MeOH10ml/Syr	Diss RCRA8 Metals 250mlHDPE-NoPres	NWTPHDX no silica 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	PAHs 8270SIM 40mlAmb-NoPres-WT	VOCs 8260ULL 40mlAmb HCl	Chain of Custody Page 1 of 1  MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubflypes-standards-terms.pdf SDG # L1590161 J052 Acctnum: GEOENGPOR Template: T224860 Prelogin: P980995 PM: 110 - Brian Ford PB: Shipped Via: <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Remarks</th> <th>Sample # (lab only)</th> </tr> <tr> <td></td> <td>101</td> </tr> <tr> <td></td> <td>102</td> </tr> <tr> <td>Hold</td> <td>103</td> </tr> <tr> <td></td> <td>104</td> </tr> <tr> <td>Hold</td> <td>105</td> </tr> <tr> <td></td> <td>106</td> </tr> <tr> <td>Hold</td> <td>107</td> </tr> </table>		Remarks	Sample # (lab only)		101		102	Hold	103		104	Hold	105		106	Hold	107																																																																																																																																		
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* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____				Remarks: Samples returned via: ☐ UPS ☐ FedEx ☐ Courier _____ Tracking # _____				pH _____ Temp _____ Flow _____ Other _____																																																																																																																																																																																		
Relinquished by: (Signature) 		Date: 02.27.23		Time:		Received by: (Signature)		Trip Blank Received: Yes/No No/MeOH TBR		Temp: °C 0.8		Bottles Received:		If preservation required by Login: Date/Time																																																																																																																																																																												
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Time estimate: oh

Time spent: oh

Grouping date: 1 March 2023

Members

Robert Rountree (responsible)

- ☐ Parameter(s) past holding time
- ☐ Temperature not in range
- ☐ Improper container type
- ☐ pH not in range
- ☐ Insufficient sample volume
- ☐ Sample is biphasic
- ☐ Vials received with headspace
- ☒ Broken container
- ☐ Sufficient sample remains
- ☐ If broken container: Insufficient packing material around container
- ☐ If broken container: Insufficient packing material inside cooler
- ☐ If broken container: Improper handling by carrier: _____
- ☐ If broken container: Sample was frozen
- ☐ If broken container: Container lid not intact
- ☐ Client informed by Call
- ☐ Client informed by Email
- ☐ Client informed by Voicemail
- ☐ Date/Time: _____
- ☐ PM initials: _____
- ☐ Client Contact: _____

Comments*Robert Rountree**1 March 2023 1:26 AM*

received 2 broken hcl vials.

11



AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

MAR 20 2023

Department: Health and Human Services

WORK SESSION ☒ Meeting Date: March 20, 2023

REGULAR AGENDA ☐ Meeting Date:

Required originals approved and attached? ☒
Will be provided on:

Item summary:

- | | | |
|---|---|--|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | ☒ Other Building Lease |

Documents exempt from public disclosure attached: ☐

Executive summary: Health and Humans Services Department is interested in leasing a 5,000 square foot building, located at 325½ West 2nd Street, Port Angeles, Washington (Attache aerial). The majority of the building would be used for HHS Harm Reduction Health Center services, that include, education, supportive services, health services, supply distribution and syringe services/disposal. The building will also house the HRHC van (when purchased) that will be used for mobile services and storage for Health and Human Services. Currently, storage for HHS is located at Airport Storage. The cost of the building is \$3,500 per month. Foundation Public Health Services will cover the cost of the duration of the lease. As proposed, Health and Human Services would enter into a lease agreement with the building owner, provided that the Board of County Commissioners support the request to move HRHC from its current location at Third Street. If approved, HRHC would move into their new location on May 1, 2023. If the Board supports this request, staff will submit the lease agreement to the Prosecuting Attorneys Office for their review. Staff will work with pertinent departments to secure technology and maintenance needs for the new leased building.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐ None.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
Discussion only.

County Official signature & print name:  Kevin LoPiccolo

Name of Employee/Stakeholder attending meeting: Kevin LoPiccolo

Relevant Departments: Health and Human Services and BOCC

Date submitted: March 15, 2023

* Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting - Submit 1 single sided/not stapled copy and originals (1 or 3 copies)



Building Lease, Port Angeles, WA

3/9/2023 1:33 PM

0 0.5 1 Miles



1:2,569

Be advised that the map layers on all maps have limited accuracy, and do not necessarily align with one another, especially when zoomed in closer than 1:24,000. In addition, some layers may not be recently updated. Clallam County makes no warranty of the accuracy or usefulness of this data.



AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

12
MAR 20 2023

Department: Health and Human Services

WORK SESSION ☒ **Meeting Date: March 20, 2023**

REGULAR AGENDA ☐ **Meeting Date: March 28, 2023**

Required originals approved and attached? ☒

Will be provided on:

Item summary:

- | | | |
|---|---|--|
| ☐ Call for Hearing | ☐ Contract/Agreement | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | ☒ Other – Furniture Purchase |

Documents exempt from public disclosure attached: ☐

Executive summary:

Health and Human Services Department is requesting to utilize funds from Foundational Public Health Services (LifeCourse) to purchase furniture for six workstations for the Environmental Health Division. This request is part of the office space redesign between the Building Division and Environmental Health. The office space reconfiguration is now ready to move forward with the removal of the rolling filing cabinets (scanning project) have been removed, and an approved floor plan that can accommodate the needed office space for Environmental Health.

The proposed FPHS funding includes the following (quote attached):

- Office Desks, including setup, delivery & installation.
- Panel system, including setup, delivery & installation.

The quote attached is for \$49,575.

Health and Human Services Department is requesting a waiver of the BID/RFP/Quote Requirement, pursuant to Clallam County Code, Chapter 3.12, and Administrative Policy 560, for the purchase of office furniture/panel system from Pacific Office Equipment. (See attach Request for Waiver)

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

None.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

- * Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

EH Furniture-POE - Work Session
Revised: 3-04-2019

Support staff's request.

County Official signature & print name:  KEVIN LoPiccolo

Name of Employee/Stakeholder attending meeting: Kevin LoPiccolo

Relevant Departments: Health and Human Services

Date submitted: March 15, 2023

-
- * Work Session Meeting - Submit 1 single sided/not stapled copy
 - ** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

EH Furniture-POE - Work Session
Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256



**REQUEST FOR WAIVER OF
BID/RFP/QUOTE REQUIREMENT**

Department: **HHS-Environmental Health**

Date: 3/14/2023

Contract Number: None

Pursuant to Clallam County Code Chapter 3.12, and Administrative Policy 560, a waiver of the Bid/RFP/Quote requirement for purchases of goods or services is requested.

Goods or Services to be Purchased: Office Furniture-Environmental Health Courthouse

Cost of Purchase: \$ 49,575.54 (\$23,006.40 furniture + \$22,559.35 panel system)

Vendor to be Awarded Contract:

Pacific Office Equipment-Port Angeles, WA

I certify that after diligent inquiry, to the best of my knowledge the vendor indicated above is the sole provider of the goods/services detailed in this document.

By: 
County Official Signature

Approved this _____ day of _____, 2023.

BOARD OF CLALLAM COUNTY COMMISSIONERS

Mark Ozias, Chair

Memo: Per Clallam County Administrative Policy 560 – Purchasing, Bidding & Contracts Pacific Office Equipment is currently on the Clallam County vendor list.

(2) Solicitation of Informal Bids/Quotes Solicitation of informal bids may be made in person or by mail, telephone, fax, or e-mail. Responses must be in writing and may be fax, e-mail, or may be pages from published catalogs, published advertisements, or other written documents. Any solicitation must include at least 3 vendors, if available, from the County's Vendor List. Vendors not on the County's Vendor list may be solicited in addition.

I have attached three informal quotes from three different suppliers. The quotes are general in nature as most of the office furniture pieces had to be custom made.

.40 SOLE SOURCE PURCHASES Solicitation of formal bids, informal bids/quotes, and/or an RFP/RFQ may be dispensed with where the purchases are clearly and legitimately limited to a single source of supply or which involve special facilities or market conditions.

The office has unique dimensions and odd measurements that were are challenge. The area is 28'x19' to arrange seven workstations, panels, and file cabinets and copier. Much of the commercial furniture would not fit in the areas. Additionally, POE assembles and delivers the furniture. Other commercial office furniture vendors did not offer those services.

Sales Quote No: 1537

Date: 12/26/22

Account No: CLA045

Bill To: CLALLAM CO. HEALTH & HUMAN SERVICES
 111 E. 3RD STREET
 PORT ANGELES, WA 98362-3000

Ship To: CLALLAM CO. HEALTH & HUMAN SERVICES
 111 E. 3RD STREET
 PORT ANGELES, WA 98362-3000

Sales Person	P.O. Number	Ship Method	Payment Terms	Quote Expires On
NICK WRIGHT	HHS ENV HEALTH	DELIVERY	NET 30	1/15/23

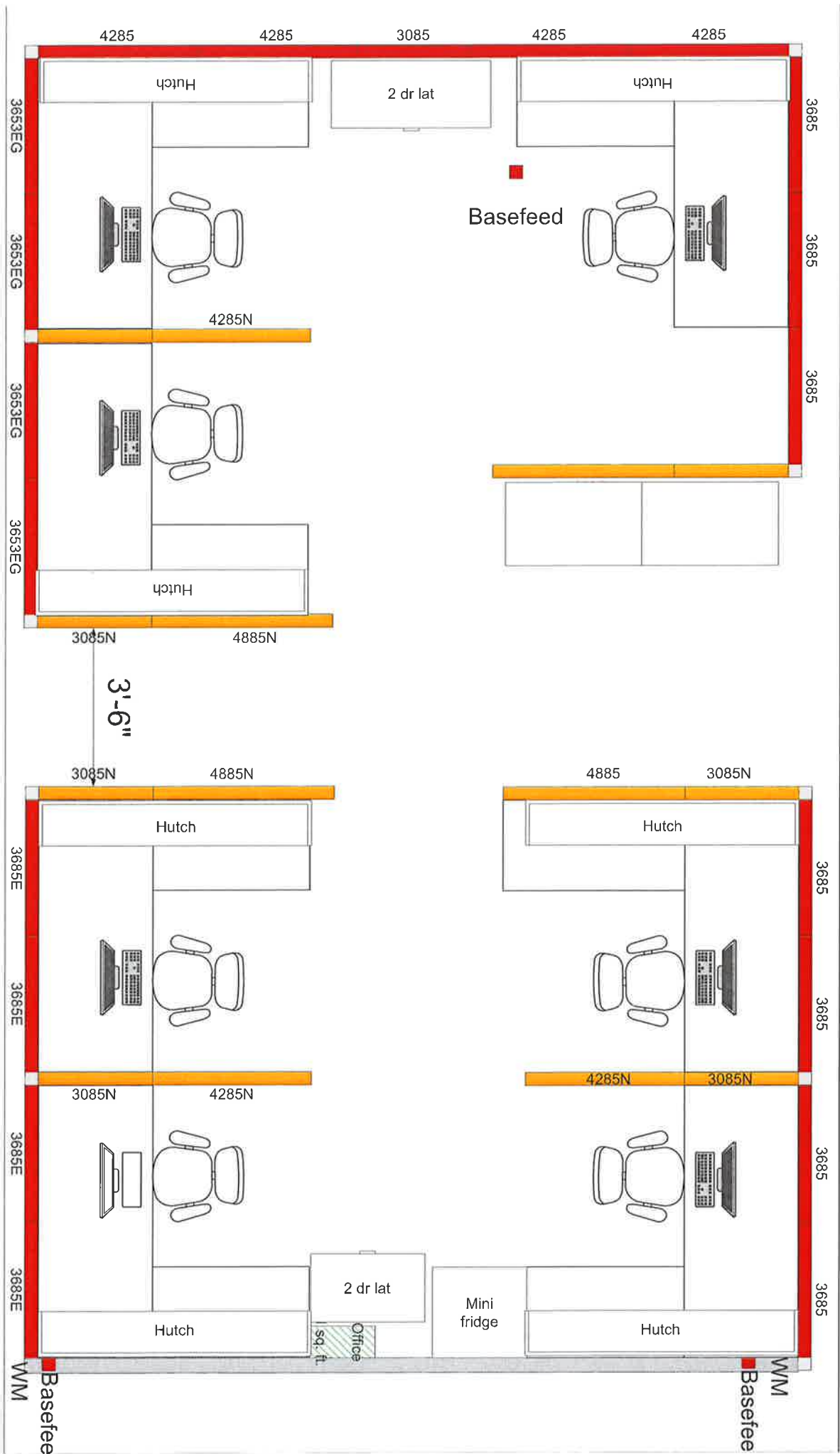
Notes

ADD L-SHAPE SIT/STAND BASE FOR \$852/DESK.

Item No	Description	Quantity	UM	Price	Disc	Amount
FURNITURE	NORTH OFFICE DESKS - PRICING INCLUDES SETUP, DELIVERY AND INSTALLATION	1.00	EACH	\$28,758.00	0.20	\$23,006.40
FURNITURE	PANEL SYSTEM AS PRESENTED IN ATTACHED DRAWING. COLORS AND PAINT TBD BY CUSTOMER AT TIME OF ORDER. PRICING INCLUDES SETUP, DELIVERY, CONFIGURATION, INSTALLATION.	1.00	EACH	\$41,017.00	0.45	\$22,559.35

Pacific Office Equipment
 "Your Local Solution Provider"
 314 E 8th St Port Angeles, WA 98362
 800-962-8714 360-417-3600
 www.poeinc.com

Subtotal	\$45,565.75
Discount	\$0.00
Freight	\$0.00
Sales Tax	\$4,009.79
Sales Order Total	\$49,575.54



ATTN Government Buyers!

40+ years of experience serving government and institutions. Response Marketing, Inc. dba Modern Office. Cage Code 1GP08. DUNS #071351449.

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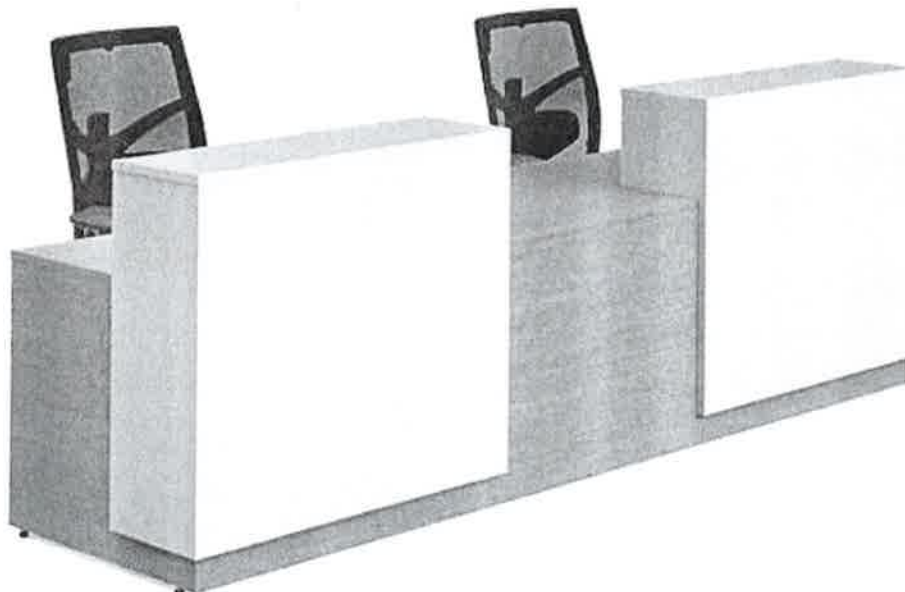
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Home / Reception Room / Custom Reception Desks / Contrasts Custom 2-Person Reception Desk w/Drawers - 10'W Desk

FREE SHIPPING



pedestals for plentiful and secure file storage. **10'W Desk sold above, other sizes and accessories below.**

10'W Contrasts Custom 2-Person Reception Desk measures 122"W x 31"D x 42"H overall. Left and right side desks measure 42"W. Center desk measures 36"W. Desk includes one file/file and one box/box/file pedestal under center desk. Reception desk ships unassembled, files ship assembled. PRICE INCLUDES SHIPPING! (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Desk Series Features:

- * Unique design will surely make an impression on clients.
- * All Contrasts desks are finished in durable, high pressure laminates throughout.
- * Choose to have your desk made in all one color, two-tone or multi-colored to your specification.
- * Desktops are 30"D with grommet access on the left and right side desks.
- * Center desk is made without reception cap for ADA accessibility.
- * Transaction counters on top of reception caps are 13"D and 42"H from the floor.
- * Underneath the transaction counters, paper sorter house important documents and keep desktops looking neat and clean.
- * Front panels of reception caps are perfect for mounting signage.
- * Each desk includes one locking box/box/file pedestal and one locking file/file pedestal. On 10' and 12' desks, files can install under center desk to allow maximum legspace on side desks.
- * Several cabinet storage options sold below.
- * **Need a custom size? Do you need a desk that is larger or smaller, or want to add or delete a section? Just email or fax us a rough sketch of**

measure 66"W x 30"D and include grommets for wire management. Center desk also measures 60"W x 30"D. Counters of top of reception caps are 13"D and are 42"H from the floor. Measures 194"W x 31"D x 42"H overall. Reception desk ships unassembled, files ship assembled. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Desk Color:

Dark Suede ▼

Reception Cap Color:

Dark Suede ▼

File Color:

Dark Suede ▼

Drawer Pull:

Equinox Aluminum ▼

Contrasts Custom 6'W Credenza

Y11379

Custom credenza includes a two-door cabinet with interior adjustable shelf and two lateral file drawers. File drawers accommodate both letter and legal hanging files. Both cabinet and lateral file include locks and keys. Measures 72"W x 21"D x 29"H overall. Ships assembled, just attach the top surface over both storage units. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Color:

Sea Gray Rift ▼

Handle Style/Color:

Equinox Aluminum ▼

Contrasts Custom 120"W Credenza

Y11366

An essential fixture for any reception area. Custom made in several laminate colors, the Contrasts Custom Credenza offers ample file and cabinet storage. Includes two, 2-door cabinets with one interior adjustable shelf and

Qty: 0

\$3,399.00

Qty: 0

\$5,399.00

Contrasts Custom 6'W Wall Mounted Hutch

Y11380

Features four, white painted glass doors for overhead storage. Doors are non-locking. Measures 72"W x 15"D x 29"H overall. Ships assembled. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Color:

Sea Gray Rift 

Contrasts Custom Box/Box/File Pedestal

Y11367

For use under any Contrasts Custom Reception Desk. Choose from several laminate colors and drawer pull styles. Locking box/box/file pedestal accommodates letter and legal size hanging folders. Unfinished top surface - not to be used as a freestanding file. Ships fully assembled. Measures 16"W x 18"D x 28"H overall. Shipping weight 62 lbs. **PRICE INCLUDES SHIPPING! Please allow 8-9 weeks for delivery.**

File Color:

Riviera Maple 

Drawer Pull Style/Color:

Neo 

Contrasts Custom File/File Pedestal

Y11375

For use under any Contrasts Custom Reception Desk. Choose from several laminate colors and drawer pull styles. Locking file/file pedestal accommodates letter and legal size hanging folders. Unfinished top surface – not to be used as a freestanding file. Ships fully assembled. Measures 16"W x 18"D x 28"H overall. Shipping weight 62 lbs. **PRICE INCLUDES**

Qty: 0

\$2,499.00

Qty: 0

\$799.00

Qty: 0

\$699.00

12'W Three-Person Contrasts Custom
Standing Height Reception Desk with Drawers

60"W Custom Reception Desk with Frosted
Glass Window

5'W Classic Custom Standing Height
Reception Desk

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YOU MAY ALSO LIKE



Contrasts Custom L-Shaped Lobby Desk, Right Return

We're currently collecting product reviews for this item. In the meantime, here are some reviews from our past customers sharing their overall shopping experience.

4.6
Out of 5.0



**Overall
Rating**



Contrasts Custom Reception Desks w/Glass Counter - 5'W Desk

\$4,999.00

93%

of customers that
buy
from this merchant
give
them a 4 or 5-Star
rating.

March 9, 2023 by DJ (WA, United States)

"Easy to order; order was shipped promptly and no damage to shipping container purchase. The assembly instructions were easy to follow."



Emerge Glass Top 2-Person Reception Desk w/Drawers & LED Lights - 132\"/>

Price: \$4,700.00

Your Price: \$2,699.00

March 9, 2023 by Jed C. (TX, United States)

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Web Code: GJEAXP-429114
888-611-1892
LIFETIME GUARANTEE

Image not available for the option selected

Corben Four Person Modular Workstation Cubicle Set - 280"W

Item#: 14984 Brand: NBF Signature Series

Collection: Corben

☆☆☆☆ 0.0 No Reviews [Write the First Review](#)

\$8,899.00

List: ~~\$34,042.58~~ You Save: 74%

Order Free Color Samples >

GSA

PayPal As low as \$444.53/mo. [Learn more](#)

Panel/Tackboard & Overhead Storage:

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Laminate Worksurface:

Buka Bark



Frame: Metallic Silver

Product Details

The Corben Four Person Modular Workstation Cubicle Set with P Legs offers an ample work surface and plenty of personal storage for your employees' work or belongings.

Each workstation contains a 66"W x 63"D L-shaped work surface with a user curve. One mobile pedestal in each cube provides storage for supplies, as well as important documents. One overhead flipper door storage cabinet (30"Wx12"D) can hold personal belongings or additional work materials. Directly below, a 16"W x 30"H tackboard is perfect for pinning inspiration, messages or reminders. A toolbar with binder storage, as well as a diagonal and vertical paper tray holder, provides more space to store literature and other paper items. This set comes with P legs. The tallest panels measure 67"H.

Please note that this workstation set will be custom-made specifically for your order, and as such it is non-returnable. Assembly required. Professional installation strongly recommended for Open Plan items

Features:

- Includes: Four L-desk workstations

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We are proud to process over 20,000 government orders each year; all backed by our lifetime guarantee. With more than 40 years of experience, we know the unique needs of government shoppers. Shop how you want and need, whether its directly from our website with live GSA contract pricing, on a government shopping portal or through one of our set-aside teaming partners, we are here for you, every step of the way.

Contracts: GSA Contract | Navy BPA | TXMAS | CMAS

Alternate Shopping Portals: [GSAadvantage.gov](https://gsaadvantage.gov) | [AFAdvantage.gov](https://afadvantage.gov) | [TxSmartBuy](https://txsmartbuy.com)

GSA Contract



Contract No: GS-27F-0024V

- [Contract Terms and Price List](#)
- [NBF Government Brochure \(pdf\)](#)



How to Shop:

- [NBF.com/GSA](https://nbf.com/gsa) - Shop over 2,000 contract items. Sign in or create an account for live GSA pricing.
- [GSAadvantage.gov](https://gsaadvantage.gov) - online shopping/ordering system
- [Set-Aside Purchases](#) - purchase NBF products, under contract, from several teaming partners who meet set-aside socioeconomic standards.

Department of Navy Furniture BPA



The U.S. Department of Navy (DON) has awarded National Business Furniture a Blanket Purchase Agreement. Spiral III of the Navy's Furniture BPA program went into effect October 1, 2017.

NOTE: NBF's Navy BPA product offering mirrors NBF's GSA Schedule contract (GS-27F-0024V). Applicable products are identified on the NBF website with a blue GSA icon: **GSA**



Contract No: N00189-17-A-0110

- [Contract Information and Support Documents](#)



How to Shop:

- [NBF.com/GSA](https://nbf.com/gsa) - Shop over 2,000 contract items. Sign in or create an account for live GSA pricing.

Available in 1 Option

Two-person L-desk Workstation Set

\$5,679.00

☆☆☆☆☆

Available in 3 Options

At Work Four Person Compact Workstation Set

\$3,994.15

~~\$6,892.00~~

☆☆☆☆☆

🚚 Ships Today!

Available in 1 Option

Element Two Person Workstation - 48"w

\$599.00

★★★★★

🚚 Ships Today!

Available in 1 Option

Element Two Person Workstation - 59"w

\$699.00

☆☆☆☆☆

Frequently Bought Together

Available in 10 Options

Corben Two Person Modular Workstation Cubicle Set

\$3,999.00

GSA

★★★★★

Available in 1 Option

Three-person L-desk Workstation Set

\$8,519.00

☆☆☆☆☆

Available in 10 Options

Corben Modular Workstation Cubicle Corner Desk

\$2,299.00

GSA

★★☆☆☆

Available in 3 Options

Straight Basic Workstation

\$1,579.00

☆☆☆☆☆



Zira Layout Shown

Absolute Acajou (ACJ)

Model	Description	List Price
Z2472T	24" Deep Freestanding Table	\$695
Z16L2ES+HQ	File File Storage Shelf	\$609
Z16L2BFS+HQ	Box Box File Storage Shelf	\$702
Z72S42H+HQ	Open Hutch with Closed Back	\$1282
Z3072F23+HQ	Double Pedestal Desk	\$1882
Z36L2E	File File Storage Module (\$1357 each)	\$2714
Total		\$7884

Components Shown



Seating shown, Factor 5541-8
with Cloud Frame (JC)
(page 6)

Available immediately
in the following finish:



ACJ Absolute Acajou



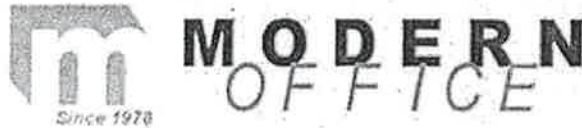
HQ Handle

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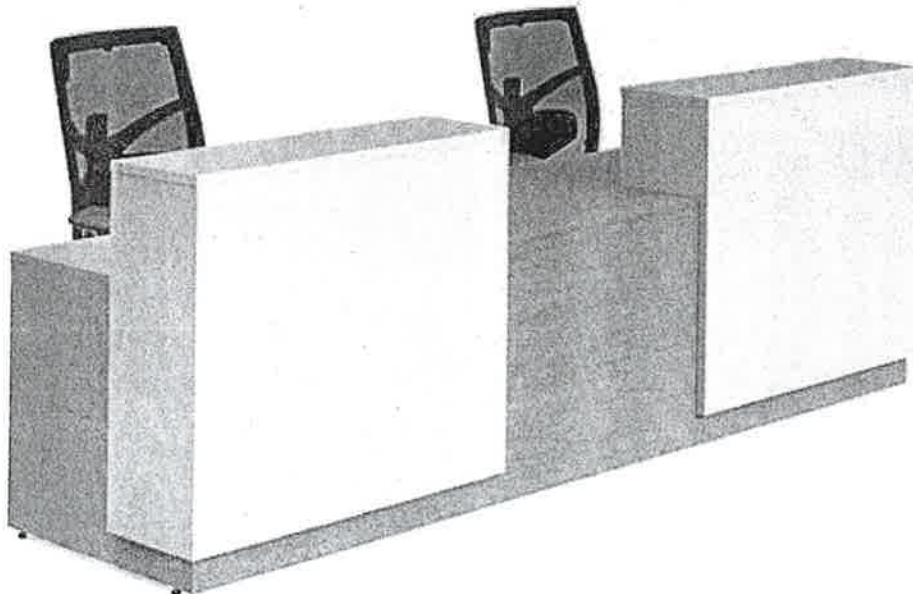
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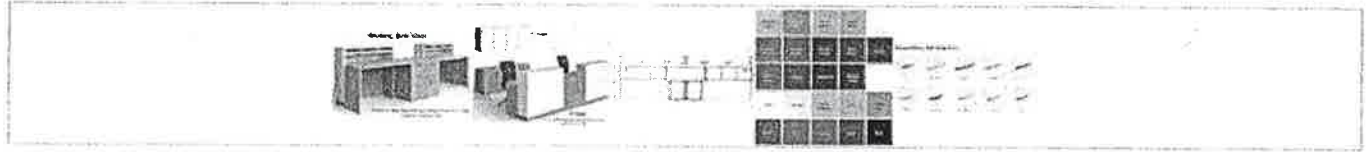
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Home / Reception Room / Custom Reception Desks / Contrasts Custom 2-Person Reception Desk w/Drawers - 10'W Desk

FREE SHIPPING





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Contrasts Custom 2-Person Reception Desk w/Drawers - 10'W Desk

Item #: Y12886

\$6,299.00

Desk Color: Sea Grey Rift

Reception Cap Color: White

File Color: Sea Grey Rift

Drawer Pull: Equinox Aluminum

Quantity: 0

ADD TO CART



FREE SHIPPING
ALL ITEMS

[Assembly Resources and Instructions](#)

PRODUCT DETAILS

Our Contrasts Custom 2-Person Reception Desks are modern, trendy and functional. Custom-made in your choice of many laminates, you can order your reception desk to match your lobby's décor. All desks include two file

pedestals for plentiful and secure file storage. **10'W Desk sold above, other sizes and accessories below.**

10'W Contrasts Custom 2-Person Reception Desk measures 122"W x 31"D x 42"H overall. Left and right side desks measure 42"W. Center desk measures 36"W. Desk includes one file/file and one box/box/file pedestal under center desk. Reception desk ships unassembled, files ship assembled. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

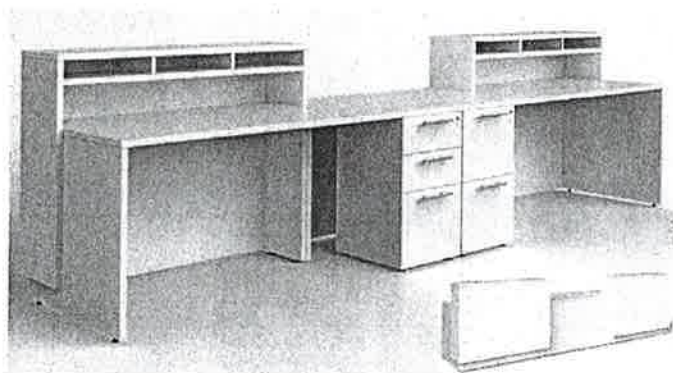
Desk Series Features:

- * Unique design will surely make an impression on clients.
- * All Contrasts desks are finished in durable, high pressure laminates throughout.
- * Choose to have your desk made in all one color, two-tone or multi-colored to your specification.
- * Desktops are 30"D with grommet access on the left and right side desks.
- * Center desk is made without reception cap for ADA accessibility.
- * Transaction counters on top of reception caps are 13"D and 42"H from the floor.
- * Underneath the transaction counters, paper sorter house important documents and keep desktops looking neat and clean.
- * Front panels of reception caps are perfect for mounting signage.
- * Each desk includes one locking box/box/file pedestal and one locking file/file pedestal. On 10' and 12' desks, files can install under center desk to allow maximum legspace on side desks.
- * Several cabinet storage options sold below.
- * **Need a custom size? Do you need a desk that is larger or smaller, or want to add or delete a section? Just email or fax us a rough sketch of**

the above desk showing your preferred dimensions and we'll respond with a customized proposal.

MORE SIZES & ACCESSORIES BELOW

+ ADD SELECTED ITEMS TO CART



Qty: 0

\$6,599.00

12'W Contrasts Custom 2-Person Reception Desk w/Drawers

Y12887

12'W Desk features high pressure laminate construction throughout, for excellent wear and cleanability. Includes two reception caps, a locking box/box/file and a locking file/file under the center desk. Left and right side desks each measure 48"W x 30"D and include grommets for wire management. Center desk also measures 48"W x 30"D. Counters of top of reception caps are 13"D and are 42"H from the floor. Measures 146"W x 31"D x 42"H overall. Reception desk ships unassembled, files ship assembled. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Desk Color:

White ▼

Reception Cap Color:

White ▼

File Color:

White ▼

Drawer Pull:

Equinox Aluminum ▼

Qty: 0

\$7,299.00

16'W Contrasts Custom 2-Person Reception Desk w/Drawers

Y12888

16'W Desk features high pressure laminate construction throughout, for excellent wear and cleanability. Includes two reception caps, a box/box/file and a file/file on the left and right side desks. Left and right side desks each

measure 66"W x 30"D and include grommets for wire management. Center desk also measures 60"W x 30"D. Counters of top of reception caps are 13"D and are 42"H from the floor. Measures 194"W x 31"D x 42"H overall. Reception desk ships unassembled, files ship assembled. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions).

Please allow 8-9 weeks for delivery.

Desk Color:

Dark Suede ▼

Reception Cap Color:

Dark Suede ▼

File Color:

Dark Suede ▼

Drawer Pull:

Equinox Aluminum ▼

Contrasts Custom 6'W Credenza

Y11379

Custom credenza includes a two-door cabinet with interior adjustable shelf and two lateral file drawers. File drawers accommodate both letter and legal hanging files. Both cabinet and lateral file include locks and keys. Measures 72"W x 21"D x 29"H overall. Ships assembled, just attach the top surface over both storage units. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Color:

Sea Gray Rift ▼

Handle Style/Color:

Equinox Aluminum ▼

Contrasts Custom 120"W Credenza

Y11366

An essential fixture for any reception area. Custom made in several laminate colors, the Contrasts Custom Credenza offers ample file and cabinet storage. Includes two, 2-door cabinets with one interior adjustable shelf and

Qty: 0

\$3,399.00

Qty: 0

\$5,399.00

two locking 2-drawer lateral files. 2-Piece top surface of credenza features squared off laminated edges to match the Contrasts Custom L-Desk. Finished back panel. Measures 120"W x 21"D x 30"H overall. Cabinets and files ship assembled, just attach the top surfaces. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Cabinet/File Color:

Mocha Walnut ▼

Top Surface/Edge Color:

Mocha Walnut ▼

Drawer Pull Style/Color:

Neo ▼

Contrasts Custom 5'W Wall Storage Unit

Y11374

This wall unit has it all, display and function! Top of wall unit features two, non-locking two-door cabinets with frosted glass doors set in aluminum frames. Each cabinet includes two adjustable height shelves. Underneath, two locking 2-drawer lateral files accept both legal and letter files. This wall unit is made to order in dozens of laminate colors. Upper glass door portion measures 60"W x 15"D x 35"H (outside measurements). Overall, this wall unit measures 60"W x 21"D x 64"H. Cabinets and files ship assembled! Just attach the top surface to the lateral files. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Color:

Stream Walnut ▼

Drawer Pull Style/Color:

Vista Aluminum ▼

Qty:

\$7,199.00

Qty:

\$2,499.00

Contrasts Custom 6'W Wall Mounted Hutch

Y11380

Features four, white painted glass doors for overhead storage. Doors are non-locking. Measures 72"W x 15"D x 29"H overall. Ships assembled. **PRICE INCLUDES SHIPPING!** (Truck shipment - see Terms & Conditions). **Please allow 8-9 weeks for delivery.**

Color:

Sea Gray Rift

Contrasts Custom Box/Box/File Pedestal

Y11367

For use under any Contrasts Custom Reception Desk. Choose from several laminate colors and drawer pull styles. Locking box/box/file pedestal accommodates letter and legal size hanging folders. Unfinished top surface - not to be used as a freestanding file. Ships fully assembled. Measures 16"W x 18"D x 28"H overall. Shipping weight 62 lbs. **PRICE INCLUDES SHIPPING! Please allow 8-9 weeks for delivery.**

File Color:

Riviera Maple

Drawer Pull Style/Color:

Neo

Qty:

\$799.00

Contrasts Custom File/File Pedestal

Y11375

For use under any Contrasts Custom Reception Desk. Choose from several laminate colors and drawer pull styles. Locking file/file pedestal accommodates letter and legal size hanging folders. Unfinished top surface – not to be used as a freestanding file. Ships fully assembled. Measures 16"W x 18"D x 28"H overall. Shipping weight 62 lbs. **PRICE INCLUDES**

Qty:

\$699.00

SHIPPING! Please allow 8-9 weeks for delivery.

File Color:

Mocha Walnut

Drawer Pull Style/Color:

Equinox/Brushed Stainless Steel

Qty: 0

\$399.00

Black Articulating Keyboard Tray

Y11368

Mounts to under any of the desk surfaces that make up the Contrasts Custom L-Shaped Lobby Desk. Keyboard tray can slide in and out, raise and lower and tilt. Available in black only. Measures 27"W x 11"D. Shipping weight 15 lbs. **PRICE INCLUDES SHIPPING! Please allow 8-9 weeks for delivery.**

Qty: 0

\$299.00

Matching Pencil Drawer

Y11369

Made in any laminate of your choice. Mounts to under any of the desk surfaces that make up the Contrasts Custom L-Shaped Lobby Desk. Includes a plastic tray insert. Measures 16"W x 14"D x 2-1/4"H. Shipping weight 5 lbs. **PRICE INCLUDES SHIPPING! Please allow 8-9 weeks for delivery.**

Color:

Mocha Walnut

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Contrasts Custom L-Shaped Lobby Desk, Right Return

Contrasts Custom 2-Person Reception Desk w/Drawers - 10'W Desk

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Contrasts Custom Reception Desks w/Glass Counter - 5'W Desk

6' x 6' Small Office Contrasts Custom L-Shaped Reception Desk w/ Right Return

8'W Two-Person Contrasts Custom Standing Height Reception Desk with Drawers

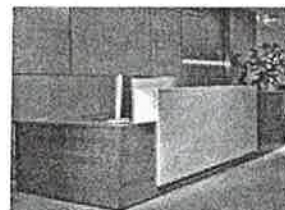
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YOU MAY ALSO LIKE



Contrasts Custom L-Shaped Lobby Desk, Right Return

~~\$4,999.00~~

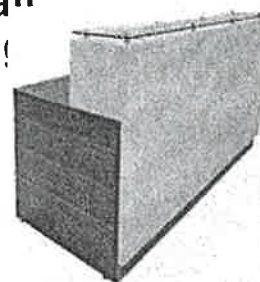
We're currently collecting product reviews for this item. In the meantime, here are some reviews from our past customers sharing their overall shopping experience.

4.6

Out of 5.0



**Overall
Rating**



Contrasts Custom Reception Desks w/Glass Counter - 5'W Desk

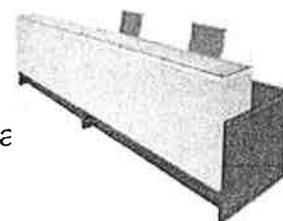
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93%

of customers that
buy
from this merchant
give
them a 4 or 5-Star
rating.

March 9, 2023 by DJ (WA, United States)

"Easy to order; order was shipped promptly and no damage to shipping contents purchase. The assembly instructions were easy to follow."



Emerge Glass Top 2-Person Reception Desk w/Drawers & LED Lights - 132\"/>

Price: \$4,700.00

Your Price: \$2,699.00

March 9, 2023 by Jed C. (TX, United States)

"I placed an order, they sent me what I ordered. There was a slight delay in shipping, but that was a force majeure issue with the weather. There was some minor cosmetic damage in shipping, but the packaging was good over all. I am sure if I had filed a claim sent me a replacement part, but I could not be bothered, since I use the chair garage/man cave."



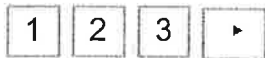
**Emerge Glass Top 2-
Person Shared
Peninsula Reception
Desk w/Drawers &
LED Lights**

Price: \$5,000.00

Your Price: \$3,299.00

March 7, 2023 by Happy C. (WA, United States)

"Excellent!"



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MAR 20 2023

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: DCD

WORK SESSION ☒ Meeting Date: 3-20-2023

REGULAR AGENDA ☒ Meeting Date: 3-28-2023

Required originals approved and attached? ☒
Will be provided on:

Item summary:

- | | | |
|--|--|--------------------------------------|
| ☒ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☒ Draft Ordinance | ☐ Final Ordinance | ☐ Other |

Documents exempt from public disclosure attached: ☐

Executive summary:

The Clallam County Planning Commission has completed its review and public hearing process regarding revisions to the Clallam County Sign Ordinance. The Planning Commission held a public hearing on March 1, 2023 and voted 6-0 that day to forward the Sign Ordinance to the Board of County Commissioners. The Board may now review the ordinance for adoption and move forward with their public hearing process. The changes to the ordinance include updates to the Goals and Intent of the sign code, adds 17 new definitions to help identify different types of signs previously undefined, revises Exempt and Prohibited signs to ensure content neutral standards, clarifies permitting requirements, adds standards for freestanding and façade signs, removes specific zones listed in code, clarifies nonconforming signs, and aims to streamline enforcement actions.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
None

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
Discuss the proposed ordinance and approve a Call for Hearing.

County Official signature & print name: Bruce W. Emery Bruce Emery

Name of Employee/Stakeholder attending meeting: Donella Clark, Principal Planner

Relevant Departments: DCD

Date submitted: 3-15-2023

- * Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting - Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Agenda3-20-23
Revised: 3-04-2019

PUBLIC HEARING
Proposed Ordinance titled "Signs"

NOTICE IS HEREBY GIVEN that the Clallam County Board of Commissioners will conduct a public hearing on Tuesday, April 11, 2023 at 10:30 a.m., or as soon thereafter as possible in the Commissioners' Meeting Room of the Clallam County Courthouse, 223 East 4th Street, Room 160, Port Angeles, Washington. The hearing may also be attended by Zoom by going to <https://zoom.us/join> or by calling 253-215-8782 and then enter Meeting ID: 875 561 7844 Passcode: 12345. The purpose of the public hearing is to receive public testimony on proposed changes to the Clallam County Zoning code, amending and adding definitions to the Sign Ordinance.

SUMMARY OF PROPOSAL: Clallam County is proposing revisions to the Sign Ordinance in order to update the Goals and Intent of the sign code, add 17 new definitions to help identify different types of signs previously undefined, revise Exempt and Prohibited signs to ensure content neutral standards, clarify permitting requirements, add standards for freestanding and façade signs and prohibit new electronic signs, remove specific zones listed in code, clarify nonconforming signs, and add language to streamline enforcement actions.

HOW TO COMMENT: All persons wishing to comment are welcome to either submit their written comments before the hearing is commenced or present written and/or oral comments in person during the public hearing. Written comments should be sent to the Clallam County Board of Commissioners, 223 East 4th Street, Suite 4, Port Angeles, WA 98362-3015.

DOCUMENTS AND INFORMATION: Copy of the Ordinance is available for review at the Clallam County Department of Community Development located in the Clallam County Courthouse at 223 E. 4th Street, Port Angeles, WA or <https://www.clallamcountywa.gov/228/Comment-on-Proposed-Ordinances-Policies>.

In compliance with the Americans with Disabilities Act (ADA), appropriate aids and/or reasonable accommodations will be made available upon request. Requests must be received by the Commissioner's office (Phone: 360-417-2233; see address above) at least 7 days prior to the hearing. The facility is considered "barrier free" and accessible to those with physical disabilities.

Publish: March 31 and April 7

Bill: Dept. of Community Development

Loni Gores, Clerk of the Board

LETTER OF TRANSMITTAL

To: Clallam County Board of Commissioners

From: Clallam County Planning Commission

Subject: Transmittal to BOCC: Findings and Conclusions regarding revisions to Title 33.57 Signs

Dear Commissioners:

The Clallam County Planning Commission has completed its review and public hearing process regarding revisions to CCC 33.57 Signs. The Planning Commission completed its review and approved its final recommendations to forward to the BOCC at its meeting on March 1, 2023. As Chair of the Clallam County Planning Commission, having first received the authorization of the Commission, I am transmitting herewith the findings and recommendations of the Commission on this proposed Ordinance:

FINDINGS OF FACT:

1. The Clallam County Planning Commission is proposing revisions to the Sign Ordinance, CCC 33.57.
2. DCD staff initiated discussion of the deficiency of the sign code to the Planning Commission in June 2022.
3. DCD met with the Planning Commission on August 17, 2022, September 21, 2022, October 19, 2022, November 16, 2022, December 14, 2022, January 4, 2023, January 18, 2023, February 1, 2023 to develop the ordinance.
4. During the August 17, 2022 meeting a presentation by the Northwest Sign Council was given on Electronic and Digital Signs.
5. Staff attended the Board of County Commissioners Work Session on January 30, 2023 to inform the Board of the proposed revisions and the upcoming stakeholder's meeting and public hearing.
6. Letters were sent to stakeholders inviting them to attend the February 1, 2023 to specifically discuss the revisions to the ordinance, however, nobody attended.
7. DCD issued a SEPA Threshold Determination of Non-Significance on February 10, 2023 with the comment period ending February 27, 2023.
8. Staff forwarded the proposed draft ordinance to the Jamestown S'Klallam and Elwha Tribes on February 22, 2023 and informed them of the public hearing.

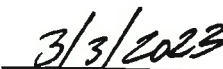
9. Legal notice was published twice in the Peninsula Daily News, Sequim Gazette, and Forks Forum prior to public hearing.
10. A public hearing was conducted on March 1, 2023 regarding the proposed Ordinance. No comments were received from the public, other agencies, and there was nobody in attendance at the hearing.
11. The Planning Commission requested minor changes to the draft ordinance at the March 1, 2023 meeting and voted 6-0, with 2 members absent, for the amended ordinance to be forwarded to the BOCC for consideration.
12. Based on the above facts and findings, and the attached proposed revisions to CCC 33.57 Signs, the Planning Commission adopts and transmits the following conclusion to the Clallam County Board of Commissioners.

CONCLUSION: The Clallam County Planning Commission concludes that the proposed Ordinance shall be included in the zoning code to:

1. Update the Goals and Intent into a Purpose Section to better reflect the purpose of the sign code.
2. Add definitions (17) to help identify different types of signs previously undefined.
3. Review the list of Exempt and Prohibited signs to ensure content neutral standards.
4. Clarify permitting requirements and provisions to require inclusion of drawings and details of the proposed sign.
5. Addition of standards proposed for both commercial/industrial freestanding and façade signs, incorporating design standards to integrate a top, middle and base, requiring landscaping, integrating architectural features, and prohibiting electronic/digital signs.
6. Removal of specific zones listed in the code.
7. Clarify section regarding legal nonconforming signs and remove the section regarding special variance provisions. Variances are identified in a separate section of the Zoning code and are not specifically needed in the sign code.
8. Outline Enforcement action, clarifying the process in an effort to streamline the process to ensure compliance of the code.

The Planning Commission recommends approval by the BOCC and as Chair of the Commission, has directed me as its duly authorized agent to transmit this recommendation to the BOCC.


Steve Gale, Chair


Date

An ordinance amending Clallam County Code Chapter 33.57 Signs

BE IT ORDAINED BY THE BOARD OF CLALLAM COUNTY COMMISSIONERS:

Section 33.57.010. ~~Goals and intent~~Purpose is amended to read as follows:

~~— (1) The goals of these sign regulations are:~~

~~(1a) To exempt certain signs from permitting requirements, prohibit specific signs as listed herein, and to establish minimum standards and permitting requirements for signs neither prohibited or allowed outright; encourage the effective use of signs as a means of communication in the County;~~

~~(b) To maintain and enhance the visual environment and the County's ability to attract sources of economic development and growth;~~

~~(2e) To minimize excessive lighting in rural Clallam County along designated scenic highways;~~

~~(3d) To maintain and enhance not impede scenic views along the County scenic highways;~~

~~(4e) To improve traffic and pedestrian safety and to eliminate minimize distractions to vehicle drivers;~~

~~(5f) To minimize the potential adverse effects of signs on neighboring public and private property;~~

~~— (6) To prevent damage and personal injury from signs improperly constructed;~~

~~(7g) To ensure compliance with the Scenic Vistas Act and the Growth Management Act; and~~

~~(8h) To enable the fair and consistent enforcement of the sign regulations.~~

~~This chapter is adopted under the zoning authority of the County in furtherance of the more general purposes set forth in this title.~~

~~— (2) It is the intent of this chapter that signs may be erected, placed, established, painted, created or maintained in the County only in conformance with the standards, procedures, exemptions and other requirements of this chapter. The intent of this chapter, as more specifically set forth herein, is:~~

~~— (a) To permit a variety of types of signs in commercial and industrial zones and a limited variety of signs in other zones, subject to the standards of this chapter;~~

~~— (b) To permit certain signs which are small, unobtrusive, and incidental to the principal use of the lots on which they are located; provided, that these types of signs are not portable signs which often cause safety problems due to blockage of vehicle/pedestrian sight lines and are further subject to the substantive requirements of this chapter;~~

~~— (c) To bring existing, nonconforming signs which exceed an area/height/number cap set in this chapter into compliance with these standards after a set period of time in order to further the goals and intent set forth in this chapter;~~

~~— (d) To prohibit signs not expressly permitted by this chapter; and~~

~~— (e) To provide for monitoring and compliance with the provisions of this chapter. This chapter distinguishes between signs by their structural type and duration of use but to the maximum extent possible does not distinguish between signs by their content. Certain types of signs are classified as temporary if they are only up for a short and specified period of time. Signs required by law, public signs required for safety, and public signage, the purpose of which is to inform the traveling public of public roadside facilities, are exempt from the ordinance requirements.~~

Section 33.57.020. Definitions is amended to read as follows:

Except where specifically defined herein, all words used in this chapter shall carry their customary meanings. Words used in the present tense include the future, and the plural includes the singular. The word "shall" is mandatory; the word "may" denotes a use of administrative discretion in making a

decision. The words “used” or “occupied” shall be considered as though followed by the words “or intended, maintained, arranged or designated to be used or occupied.”

(1) “Abandoned sign” means a sign that, for a period of more than six (6) months, no longer correctly identifies, exhorts, or advertises any person, business, lessor, lessee owner, product or activity conducted or available on or off the premises on which the sign is located. Signage on a property which is continuously listed for sale or lease shall not be considered abandoned. ~~for a period of six (6) months after which it shall be considered abandoned and subject to conformance with this chapter.~~

(2) “Administrator” means the Director of the Clallam County Department of Community Development or ~~their~~ his/her designee.

(3) “Advertising” means to announce publicly by emphasizing a printed notice or to call public attention to desirable qualities so as to arouse a desire to patronize. This also includes logos, borders, backgrounds and accents.

~~(4) “A-frame sign” or “Sandwich Board sign” means two usually hinged boards not permanently attached to the ground and generally oriented to pedestrians.~~

~~(5) “Animation” means the manipulation of electronic images in order to create moving images; or a sign depicting action, motion, light, or color changes through electrical or mechanical means.~~

~~(6) “Awning” means a shelter extending from the exterior wall of a building and composed of nonrigid materials except for the supporting framework.~~

~~(7) “Backlit sign” means a sign whose face is illuminated from behind.~~

~~(8) “Banner sign” means a flexible substrate on which copy or graphics are displayed. These signs can be mounted to a structure with a cord, rope, cable, or a similar method, or that may be supported by stakes in the ground. These signs are considered a temporary sign unless affixed to a building.~~

~~(9) “Building frontage” means the building frontage of a building facing an abutting public or private street. When a building fronts on multiple streets, the building frontage shall be the one building front that would result in the greatest linear frontage.~~

~~(10) “Copy” means the words, logos, symbols, or message displayed on a sign.~~

~~(11) “Digital or Electronic components” means changeable copy that uses illumination (LED-light emitting diodes, LCD-light crystal display, plasma display, individual light bulbs) to display or project copy.~~

~~(12) “Exterior illuminated sign” means a sign illuminated by a light source that is directed toward and shines on the face of a sign.~~

~~(13) “Community event sign” means a temporary informational sign that pertains exclusively to a specific upcoming event sponsored by a nonprofit organization or by a governmental entity and is removed soon after the event.~~

~~(14) “Construction sign” means a temporary informational sign that identifies the architect, engineers, contractors, suppliers or grant agencies involved in construction project or announces the character of the building and is removed soon after completion of construction.~~

~~(15) “Election sign” means any sign which serves to influence, is intended to influence, or appears to be of the type which is commonly erected to influence, an election or ballot proposition.~~

(138) “Facade sign” means a sign which is attached parallel to and within nine (9) inches of the wall of a building, or vertical face of an awning or parapet which is supported by and confined within the limits of such wall, awning or parapet and which displays only one sign surface. “Facade sign” also includes signs affixed to (within nine (9) inches at one point) or painted on an awning, canopy or roof so long as they do not extend above the primary roofline or more than eight (8) feet

from the outside edge of the building. Soft drink dispensing machines will be considered a facade sign if located within nine (9) inches of the building.

(14) "Fade" means a mode of message transition on a digital sign accomplished by varying light intensity or color, where the first message gradually grows faint and disappears.

(15) "Feather, Flutter, Flag, or Blade sign" means a freestanding portable sign that contains a harpoon-style pole or staff driven into the ground for support that resembles a sail or flag made of fabric, or nylon, or a flexible material.

(169) "Flashing sign" means a sign or a portion thereof which changes light intensity or switches on and off in a repetitive pattern at less than one-minute intervals, or uses electrical energy to provide motion or the optical illusion of motion.

(1740) "Freestanding sign" means a sign which is supported by permanent uprights, pole or braces to the ground and which is not connected to a building.

(1814) "Grade" means the average elevation of the natural ground surface immediately below the sign before construction, exclusive of any filling, berming, mounding or excavating solely for the purpose of locating the sign; and provided, that where the elevation of the natural ground surface of a freestanding/monument sign is below the grade at the edge of the adjacent roadway, then the height of a freestanding or monument sign shall be measured from the grade at the outer edge of the roadway nearest the proposed sign location.

(1942) "Grand opening sign" means a temporary sign of no more than thirty (30) days' duration announcing the new opening of a store or a company or change in ownership or product line sold.

(2043) "Illuminated sign" means any sign illuminated in any manner by an on-site artificial light source. These signs include both exterior-illuminated and backlit signs.

(21) "Illegal sign" means any sign placed without proper approval or permits as required by any applicable zoning or building code and also any sign placed contrary to the terms of time limits of any permit, or out of compliance with any applicable code.

(22) "Legal Nonconforming sign" means any sign in existence within the County on the date of adoption of Ordinance 694 codified in the year 2000 which did not conform to all applicable laws in effect on the date the sign was originally erected. Also, those signs permitted under Ordinance 694 that do not conform to the standards herein.

(23) "Marquee" means a permanent, roof-like canopy with an integral sign that extends from part or all of the building face that may or may not project over a public right-of-way.

(24) "Memorial sign" means a sign memorializing a person, event, or significance related to a site, building, or structure.

(2514) "Monument sign" means a ground-related, freestanding sign which is attached to the ground or to a base on grade or a solid sign structure and which structure extends from the ground or base to the sign face at the same or greater width as the sign face. Banner signs on fences are considered a form of monument sign and are only allowed to be placed temporarily. Signs on fences are considered a form of monument sign.

(2645) "Multiple-business complex" means a group of structures housing at least two (2) separate businesses or agencies operating under separate State tax numbers, or a single structure containing more than one business with separating walls and at least one outside or inside access for each business which shares a common lot, access and/or parking facility operating under separate State tax numbers.

(16) "Multiple-business complex sign" means a sign that is designated to identify a multiple business complex including directory signs for businesses within the complex.

(2717) "Mural" means an outdoor wall painting on a building which consists exclusively of paint applied to the wall or to framework attached within nine (9) inches of the wall and which contains no advertising.

(2818) "Noise" means any intended or unintended sound created by the sign or its installed equipment which exceeds forty (40) decibels as measured from the nearest point adjacent to the property or place of business, whichever is closer.

~~(19) "Nonconforming sign" means any sign in existence within the County on the date of adoption of the ordinance codified in this chapter which does not conform with the provisions of this chapter, but which did conform to all applicable laws in effect on the date the sign was originally erected.~~

~~(29) "Permanent sign" means a sign attached to a building, structure, or the ground, in a manner that enables the sign to resist environmental loads, such as wind, and precludes ready removal or movement of the sign.~~

~~(3020) "Portable sign" or "Movable sign" means any moveable sign which is not permanently affixed to the ground or a structure or building. This definition includes movable reader boards, outdoor soft drink dispensers located farther than nine (9) inches from a building and sandwich boards that are placed so as to be seen from public right-of-ways.~~

~~(3124) "Primary roofline" means the roofline under which a majority of the square footage of the business is located.~~

~~(3222) "Real estate sign" means a temporary sign advertising real estate for sale, rent or lease.~~

~~(33) "Rotating sign" means a moving sign that physically revolves about an axis.~~

~~(34) "Sidewalk sign" means a moveable sign not secured or attached to the ground or surfaces upon which it is located, supported by its own frame.~~

~~(3523) "Sign" means any object, device, structure, board, banner, structure or portion thereof, including any lettering, figure, design, symbol, trademark or device that uses any color, form, graphic, illumination, symbol or writing intended to advertise, announce the purpose of, or identify the purpose of a person or entity, or to attract attention to any message, activity, service, place, subject, person, firm, corporation, public performance, article, machine or merchandise or to communicate information of any kind to the public, and which is visible from any right-of-way open to the public. Lighting that highlights an architectural feature of a building and does not consist of lettering, symbols or graphics shall not be considered a sign.~~

~~(3624) "Sign area" means the entire face of the sign, including advertising surface, backlit surface, but does not include and any framing, trim or molding, or supporting structure, but does not include the supporting structure.~~ Sign area is measured by multiplying the maximum horizontal width by the maximum vertical width. The surface area of a sign painted on a wall, awning or roof shall be measured by multiplying the maximum width of the copy by the maximum length of the copy. Sign areas may also be calculated by measuring the smallest square, circle, rectangle, triangle or combination thereof which encompass the extreme limits of the advertising copy, together with any material or color forming an integral part of the background of the display or used to differentiate the sign from the backdrop or structure against which it is placed, including an awning. Supportive framework which contains no written copy or other advertising and is clearly incidental to the display itself shall not be included in sign area calculations; provided, that the sign support structure shall be the minimum necessary to support the sign. For the purpose of this chapter the total sign area of any two (2) faced sign with parallel faces or V-type sign having an interior angle of forty-five (45) degrees or less shall be calculated as the area of the larger of the two (2) faces or one face if equal in size. All other multiple-faced or paneled signs shall be the total area of all faces or panels combined.

(3725) "Sign surface" means any surface of a sign upon which there is lettering, logos, symbols, or other advertising.

(3826) "Sign height" means the vertical distance from grade to the highest point of a sign or any projection thereof.

(3927) "Sign structure" means any structure that supports or is capable of supporting any sign as defined in this chapter. A sign structure may be a pole or poles, or may be an integral part of a building. Structures that perform a separate use, such as a telephone booth, bus shelter, recycling or used goods container, etc., shall not be considered a sign structure. Sign structures shall be the minimum necessary to support the sign and shall not depict any product being advertised.

(4028) "Street" means a public or private way open to the general public for the purpose of vehicular traffic, including all classes of roadways and easements.

(4129) "Temporary sign" means a nonpermanent sign intended for use for a short period of time, which includes election signs, construction signs, real estate signs, grand opening signs, community event signs and residential yard sale signs.

(4230) "Under common ownership" describes a situation where one person, corporation, legal entity or related legal entities owns contiguous properties occupied by closely related businesses in which case these businesses will be considered as one business, operating on the property for the purpose of applying this chapter (i.e., a car dealership may own multiple contiguous parcels and have several related businesses on these parcels but shall be considered to be "under common ownership" for the purpose of interpreting the provisions of this chapter).

(4334) "Vehicular signs" are signs affixed or painted on work vehicles, tractor-trailers, busses, vans or other vehicles.

(44) "Window sign" is any sign viewable through and/or affixed in any manner to a window or exterior glass that is intended to be viewable from the exterior. These signs count toward the square footage of façade signs.

Section 33.57.030060. Exempt signs is amended to read as follows:

The following types of signs shall be exempt from the standards established within this code and from the certificate of compliance requirements permitting requirements of this chapter; provided, that the any standards in this section are met.

(1) Official notices authorized by a court, public body or public safety official, provided they are removed within seven (7) days after conclusion of the subject of notification;

(2) Directional, warning or information signs authorized by federal, State or municipal governments or signs required by law not exceeding 200 square feet of sign area and twenty (20) feet in height. Directional signs located within State or County right-of-way shall be administered by State standards for directional signs and, if within Clallam County right-of-way, shall be administered by the Motorist Informational Sign Ordinance, Chapter 9.21 CCC;

(3) Memorial plaques, building identification signs and building cornerstones which are cut or carved into a masonry surface or when made of noncombustible material and made an integral part of the building or structure. Plaques, tablets, or inscriptions indicating the name of a building, its date of erection, or other commemorative information, which are an integral part of the building structure or are attached flat to the face of the building, and which are not illuminated, except incidentally from light sources used for other purposes;

(4) Sculptures, murals, landscape features, fountains, mosaics, religious symbols, and design features which do not incorporate advertising or identification;

(5) The flag of a recognized government or noncommercial institution such as a school;

(6) Traffic or pedestrian control signs or signals, or signs indicating scenic or historic points of interest which are erected by, or on the order of, a public officer in the performance of his/her public duty;

(7) Exterior signs or displays not visible from streets or ways open to the public;

(8) "No trespassing," "no dumping," "no parking," "private," and other informational warning signs which shall not exceed four (4) square feet in surface area and eight (8) feet maximum height above grade;

(9) Commercial or residential address signs with lettering not exceeding twelve (12) inches in height and newspaper boxes located within ten (10) feet of an existing commercial/industrial building; and

(10) Election signs no greater than thirty-two (32) square feet in area and five (5) feet in height above grade. Signs erected in anticipation of an election (for the purpose of advertising a candidate or proposal) shall be no greater than thirty-two (32) square feet in area and ten (10) feet in height above grade and shall be compliant with WAC 468-66-090 regarding removal;

(11) Replacement of legal nonconforming signs if not changed in height, shape, size, lighting/illumination and does not affect the structure of the sign;

(12) Paining, cleaning, refacing, or replacement of defective parts;

(13) Signs at a construction site, no more than three signs and no greater than 32 square feet each, that may identify the architect, engineers, contractors, supplies, or grant agencies involved in the construction project or announces the character of the building. Signs not permitted shall be removed fourteen days after construction is complete;

(14) Signs advertising real estate for sale, rent, or lease, no greater than thirty-two (32) square feet, and removed after the real estate transaction is complete;

(15) Grand opening or closing displays, such as temporary banners, flags, or balloons, are allowed to remain for a period of fourteen days from setup of the display, to announce the opening of a completely new business, new management, or closing of the business;

(16) Banner signs displayed for 3 months as a temporary monument sign used by businesses within commercial zones. Banner signs shall not be used as permanent monument signs. Banner signs affixed to a wall shall be required to be permitted as facade signs.

(17) Portable signs used to provide traffic and directional information during events or for agricultural businesses that do not block safety sign lines of motorists pulling into or out from a business or within safety sight triangles on corner lots, and are removed immediately upon conclusion of the event or the end of the harvest season.

Section 33.57.040070. Prohibited signs is amended to read as follows:

The following signs or displays are prohibited, except as otherwise specifically allowed within this chapter, and subject to enforcement action and/or removal by the County. Prohibited signs are subject to removal by the County at the owner's or user's expense.

(1) Signs which, by reason of their size, location, movement, content, coloring or manner of illumination may be confused with or construed as a traffic control sign, signal, or device, or the light of an emergency or radio equipment vehicle; or which obstruct the visibility of any street sign or signal device;

(2) Signs erected, altered or relocated without a permit issued by the County or any other governmental agency that requires a permit under law;

(32) Signs identifying activities, products, businesses or services which have been discontinued for more than six (6) months on the premises upon which the signs are located;

(43) Private signs on public utility poles;

(5) Any sign that interferes with safe sight distances (determined by the County Road Department) at an intersection or causes an intersection to be illuminated;

(64) Portable signs, except if placed as an exempt sign as listed in section 33.57.030, but that shall not due to fact that they are often placed where they block safety sight lines of motorists pulling into or out from a business or within safety sight triangles on corner lots;

(5) Signs erected, altered or relocated without a permit issued by the County or any other governmental agency that requires a permit under law;

(76) Signs that rotate or have a part or parts that move or revolve shall not be permitted in any zone except for the face of a clock less than six (6) square feet in size;

(87) Signs or advertising displays consisting of clusters of posters, banners not affixed to a building wall, pennants, ribbons, streamers, strings of lights other than holiday lights used exclusively for decorative purposes, spinners, twirlers or propellers, flashing signs, rotating or blinking lights, chasing or oscillating lights, light projections on other natural or manmade surfaces, television type video, flares, balloons, inflatable signs, bubble machines and similar devices of carnival nature, or containing elements creating sound greater than 40 decibels as measured from the nearest adjacent property or business boundary shall not be permitted in any zone;

(9) Banner signs that do not meet the exemption listed under 33.57.030;

(10) Pennants, ribbons, streamers, strings of lights other than holiday lights used exclusively for decorative purposes, spinners, twirlers or propellers, flashing signs, rotating or blinking lights, chasing or oscillating lights, light projections on other natural or manmade surfaces, television type video, flares, balloons, inflatable signs, bubble machines and similar devices of carnival nature, or containing elements creating sound greater than 40 decibels as measured from the nearest adjacent property or business boundary shall not be permitted in any zone;

(11) Parking of vehicles with the sole intent to remain stationary for more than three days for purposes of using the signage in or on the vehicle as advertising. Parking of registered vehicles on property with a company message is not considered intentionally advertising;

(812) Signs within the public right-of-way, unless erected by Clallam County or the State of Washington. These signs are subject to removal by the Clallam County Road Department.

(13) Electronic signs.

Section 33.050030 Permitting Certificate of compliance is amended to read as follows:

No sign may be erected, relocated, constructed, or altered within the areas of the County under Clallam County jurisdiction without a permit obtained from the Clallam County Department of Community Development. A certificate of compliance for a sign is used to track sign installations for record-keeping and to ensure all signs erected after passage of this chapter are in conformance with the chapter. No sign may be erected within the areas of the County under Clallam County jurisdiction without a certificate of compliance obtained from the Clallam County Department of Community Development unless specifically it is a temporary sign or an exempt sign under this code (CCC 33.57.03033.57.080). Painting, cleaning, refacing, or replacement of defective parts may be completed without a permit; however, replacement of the sign structure will need to be reviewed by the building department to determine if a building permit is required in accordance with the International Building Code. No noneonforming sign maintenance, except exchanging the area of existing advertising copy for a business not changing land use category or repainting to freshen faded or damaged advertising copy shown on the face of the sign for a business not changing land use category or changing lighting tubes/bulbs with bulbs of the same or lesser intensity, is allowed without a certificate of compliance.

The application for permitting a sign shall include drawings and details of the proposed sign, associated support structure and method of attachment, drawing of all exterior lighting (if any), a site plan with location of all proposed and existing signs, and dimensions of all existing signs.

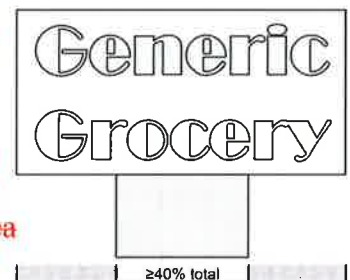
Section 33.57.060040. Commercial and industrial sign standards is amended to read as follows:

The following standards shall apply to signs placed on property zoned commercial or industrial: There are only four (4) basic types of signs that are used by business and industry. Those four (4) types include signs that are attached to the building (facade), signs that are set apart from the building (freestanding/monument), vehicular signs and temporary signs that are needed when certain conditions are met. Any sign that cannot be configured to qualify as one of these four (4) sign types and is not an exempt sign is prohibited in all zones. The time, place, number and manner regulations of these four (4) types of signs is as follows:

— (1) The total area of signage attached to any face of the building(s) in one or more facade signs shall not exceed the square footage limit for a facade signage of one square foot of sign area for each linear foot of building frontage facing a single public or private road. No facade sign may extend above the primary roofline or project more than eight (8) feet from the roofline edge of the building. For multiple business complexes each business within a plaza may have one facade sign attached to the commercial structure that is limited to one square foot of sign area per linear foot of each businesses building frontage.

(12) FA freestanding sign, or monument signs, shall meet the following standards:

- a. Shall be designed so they appear firmly anchored to the ground with a base width at least forty percent (40%) of the total sign width;
- b. Integrates a top, middle, and base element;
- c. One sign permitted for each business not part of a multiple-business complex; within a commercial or industrial zone shall be limited to one sign for each area of land under common ownership that is not the site of a multiple-business complex;
- d. Shall be designed as an integrated architectural feature of the site and include durable high-quality materials that complement the design of on-site buildings;
- e. Located outside of the public right-of-way;
- f. Shall include one square foot of decorative landscaped area around the base of the sign per one square foot of sign area. Landscaping shall include ground cover and/or non-invasive shrubs, and encourage the use of native, drought-tolerant plantings;
- g. This one sign (either freestanding or monument) shall not exceed thirty-two (32) square feet sign area and shall not exceed ten (10) feet in height above grade. Except for multiple-business complexes advertising multiple businesses;
- h. Multiple-business complex signs shall be limited to, one freestanding sign or one monument sign may be used to advertise the plaza or complex name and the businesses within the complex. This sign shall be limited to one sign not exceeding the signage area limit of 100 square feet and whose height shall not exceed ten (10) feet in height above grade shall be used to advertise the complex name and the businesses within the complex. The business complex name shall be distinct from the names of the tenants, and can be included on a distinctive sign cap. The sign may not be used entirely for only on tenant unless it is limited to 32 square feet. Individual tenants in a multiple-business complex may not erect individual freestanding signs.



- i. Sign copy shall not exceed fourteen (14) feet in height above grade and the structure shall be maximum fifteen (15) feet above grade;
- j. Sign may be internally or externally illuminated and shall have a steady, stationary, fully shielded light source with a brightness of no greater than 0.3 foot candles at the property line and shall contain no electronic/digital components, unless displaying a numeric price per unit of a fixed item, such as the current price of gasoline at a gas station;
- k. Illumination of a business's fleet or outside inventory shall be considered advertising and shall not exceed brightness of no greater than 0.3 foot candle at the property line.

(2) Façade sign(s) shall meet the following standards:

- a. The total area of signage attached to any face of the building(s) shall not exceed a total of one square foot of sign area for each linear foot of the building frontage facing a single public or private road. Banner signs affixed to a wall count toward the total square footage for façade signs. For multiple-business complexes each business within a plaza may have one façade sign attached to the commercial structure, limited to one square foot of sign area per linear foot of each businesses building frontage;
- b. Shall not extend above the building parapet soffit, eave line, or primary roofline of the building;
- c. The sign frame shall be concealed or integrated into the building's architectural character in terms of form, color, and materials;
- d. Marquee, awning, and window signs will be considered façade signs;
- e. Shall be placed a minimum of eight feet above a sidewalk or walkway;
- f. Sign may be internally or externally illuminated and shall have a steady, stationary, fully shielded light source with a brightness of no greater than 0.3 foot candles at the property line and shall contain no electronic/digital components, unless displaying a numeric price per unit of a fixed item, such as the current price of gasoline at a gas station.

~~(3) Vehicular signage visible from a State scenic and recreational highway shall be limited to thirty-two (32) square feet and vehicular signage shall be set back from the lot line or right of public use line that fronts on the State scenic and recreational highway a minimum of fifty (50) feet. Firm identification signage and other signage at the minimum sizes required by State or federal law on commercial/industrial vehicles shall not be calculated as part of the thirty-two (32) square foot signage limitation. Work vehicles making a delivery or making a service call away from the home base of the business are not subject to this provision, as the purpose of this provision is to prevent vehicular signs from being used as a form of long-term freestanding sign. Likewise, local franchise holders for national moving van companies are not subject to the square footage limitation of this provision, as the local franchise holder has no control over the size of signage on the vehicles.~~

~~(4) When the conditions for a temporary sign are met, one temporary sign may also be allowed on a commercial/industrial property. Conditions present to qualify for a temporary sign would include the sale of property/business, a grand opening, construction of a business, and when advertising a community event. Such signage is limited to one unlit thirty-two (32) square foot sign that shall not exceed five (5) feet in height above grade.~~

~~(5) Externally illuminated signs shall not exceed background area average illumination levels when measured five (5) feet beyond any vertical surface of the sign; lighting fixtures shall be carefully located, aimed and shielded so that light is only directed on to the sign surface with a light source that is not directly visible from the adjacent roadway. Internally illuminated signs using 800~~

~~milliamp ballasts shall not have lamps spaced closer than twelve (12) inches apart or if using 425 milliamp ballast shall not be closer than six (6) inches apart.~~

~~———— (6) Commercial/Industrial zoning includes the following zoning districts~~

~~———— Zone Name~~	~~Zoning Symbol~~
~~———— Light Industrial~~	~~LI~~
~~———— Industrial~~	~~M~~
~~———— Commercial~~	~~GC~~
~~———— Tourist Commercial~~	~~TC~~
~~———— Western Region Rural Center~~	~~WRG~~
~~———— Urban Center~~	~~UC~~
~~———— Urban Regional Commercial~~	~~URC~~
~~———— Urban Neighborhood Commercial~~	~~UNC~~
~~———— Rural Center~~	~~CEN~~
~~———— Rural Limited Commercial~~	~~RLC~~
~~———— Rural Neighborhood Commercial~~	~~RNC~~
~~———— Carlsborg Commercial~~	~~CC~~
~~———— Rural Village~~	~~RV~~
~~———— Rural Commercial~~	~~RC~~
~~———— Sequim General Retail District~~	~~S(GC)~~
~~———— Sequim Light Manufacturing~~	~~S(LM)~~
~~———— Sequim Bypass Commercial~~	~~S(BC)~~
~~———— Sequim Neighborhood Commercial~~	~~S(NC)~~

Section 33.57.070050. Residential/Resource zoning district sign standards is amended to read as follows:

~~———— The following standards shall apply to signs placed on property zoned residential or resource: There are only four (4) basic types of signs that are used in residential/resource zones. Those four (4) types include signs that are attached to the building (facade), signs that are set apart from the building~~

(freestanding/monument), vehicular signs and temporary signs that are needed when certain conditions are met. Any sign that cannot be configured to qualify as one of these four (4) sign types and is not an exempt sign is prohibited in all zones. The time, place, number and manner regulations of these four types of signs is as follows:

(1) ~~Freestanding, monument and facade signage in Residential/Resource zoning districts, regardless of use, is limited to one unlit sign freestanding or facade sign;~~

~~(2) Sign shall contain no electronic or digital components or be illuminated;~~

~~(3) Sign shall be no more than of one type with a maximum of six (6) square feet of signage; on residentially zoned property and no more than and provided, that within a Commercial Forest zoning district (CF) the maximum sign size is twenty (20) square feet. Signage on resource zoned property; -~~

~~(42) Freestanding sign If the one sign allowed is a freestanding sign or monument sign, it shall not exceed five (5) feet in height above grade and shall be unlit. no facade sign may extend above the primary roofline.~~

~~(3) Vehicular signage visible from a County road or State scenic and recreational highway shall be limited to a total of thirty-two (32) square feet and vehicular signage shall be set back from the lot line or public right of use line that fronts on the State scenic and recreational highway a minimum of 100 feet. On parcels that predate the effective date of this chapter that cannot meet the 100-foot vehicular sign setback due to lack of lot depth, vehicular signs can be parked within twenty (20) feet of the lot line farthest from the scenic and recreational highway. Firm identification signage and other signage at the minimum sizes required by State or federal law on commercial/industrial vehicles shall not be calculated as part of the thirty-two (32) square foot signage limitation. Work vehicles making a delivery or making a service call away from the home base of the business are not subject to this provision, as the purpose of this provision is to prevent vehicular signs from being used as a form of long-term freestanding signs.~~

~~(4) When the conditions for a temporary sign are met, one temporary sign may also be allowed on a Residential/Resource property. Conditions present to qualify for a temporary sign would include property/home sale and when advertising a community event. Such signage is limited to one unlit six (6) square foot sign for a property/home sale, construction sign and community event and shall not exceed five (5) feet in height above grade.~~

~~(5) Residential/Resource Zoning includes the following zoning districts~~

~~Zone Name~~	~~Zoning Symbol~~
~~Urban Moderate Density~~	~~MD~~
~~Urban Very Low/Urban Low Density~~	~~VLD/LD~~
~~Urban Low Density~~	~~LD~~
~~Urban Very Low Density~~	~~VLD~~
~~Urban Residential Low~~	~~URL~~
~~Urban Residential High~~	~~URH~~

Zone Name	Zoning Symbol
Rural Low Mixed	RLM
Rural Character Conservation 3	RCC3
Rural Character Conservation 5	RCC5
Quillayute Residential	QR
Western Regional Rural	RW1
Rural	R1
Rural Suburban Community	RSC
Western Regional Rural Moderate	RW2
Rural Moderate	R2
Western Regional Rural Low	RW5
Rural Low	R5
Rural Very Low	R20
Commercial Forest/Mixed Use 5	CFM5
Commercial Forest/Mixed Use 20	CFM20
Commereial Forest	CF
Agricultural Retention	AR
Public Land	P
Airport Overlay District	AO
Open Space Overlay/Open Space Corridors	OS
Sequim Urban Residential—I	S(R-I)
Sequim Urban Residential—II	S(R-II)
Sequim Urban Residential—III	S(R-III)
Sequim Urban Residential—IV	S(R-IV)

Section 33.57.060. Exempt signs is amended to read as follows:

The following types of signs shall be exempt from the standards established within this code and from the certificate of compliance requirements of this chapter, provided, that any standards in this section are met:

(1) Official notices authorized by a court, public body or public safety official, provided they are removed within seven (7) days after conclusion of the subject of notification;

(2) Directional, warning or information signs authorized by federal, State or municipal governments or signs required by law not exceeding 200 square feet of sign area and twenty (20) feet in height. Directional signs located within State or County right-of-way shall be administered by State standards for directional signs and, if within Clallam County right-of-way, shall be administered by the Motorist Informational Sign Ordinance, Chapter 2.21 CCC;

(3) Memorial plaques, building identification signs and building cornerstones which are cut or carved into a masonry surface or when made of noncombustible material and made an integral part of the building or structure. Plaques, tablets or inscriptions indicating the name of a building, its date of erection, or other commemorative information, which are an integral part of the building structure or are attached flat to the face of the building, and which are not illuminated, except incidentally from light sources used for other purposes;

(4) Sculptures, murals, landscape features, fountains, mosaics, religious symbols, and design features which do not incorporate advertising or identification;

(5) The flag of a government or noncommercial institution such as a school;

(6) Traffic or pedestrian control signs or signals, or signs indicating scenic or historic points of interest which are erected by, or on the order of, a public officer in the performance of his/her public duty;

(7) Exterior signs or displays not visible from streets or ways open to the public;

(8) "No trespassing," "no dumping," "no parking," "private," and other informational warning signs which shall not exceed four (4) square feet in surface area and eight (8) feet maximum height above grade;

(9) Commercial or residential address signs with lettering not exceeding twelve (12) inches in height and newspaper boxes located within ten (10) feet of an existing commercial/industrial building; and

(10) Election signs no greater than thirty-two (32) square feet in area and five (5) feet in height above grade.

Section 33.57.070. Prohibited signs is amended to read as follows:

The following signs or displays are prohibited, except as otherwise specifically allowed within this chapter. Prohibited signs are subject to removal by the County at the owner's or user's expense.

(1) Signs which, by reason of their size, location, movement, content, coloring or manner of illumination may be confused with or construed as a traffic control sign, signal, or device, or the light of an emergency or radio equipment vehicle; or which obstruct the visibility of any street sign or signal device;

- ~~———— (2) Signs identifying activities, products, businesses or services which have been discontinued for more than six (6) months on the premises upon which the signs are located;~~
- ~~———— (3) Private signs on public utility poles;~~
- ~~———— (4) Portable signs, due to fact that they are often placed where they block safety sight lines of motorists pulling into or out from a business or within safety sight triangles on corner lots;~~
- ~~———— (5) Signs erected, altered or relocated without a permit issued by the County or any other governmental agency that requires a permit under law;~~
- ~~———— (6) Signs that rotate or have a part or parts that move or revolve shall not be permitted in any zone except for the face of a clock less than six (6) square feet in size;~~
- ~~———— (7) Signs or advertising displays consisting of clusters of posters, banners not affixed to a building wall, pennants, ribbons, streamers, strings of lights other than holiday lights used exclusively for decorative purposes, spinners, twirlers or propellers, flashing signs, rotating or blinking lights, chasing or oscillating lights, light projections on other natural or manmade surfaces, television type video, flares, balloons, inflatable signs, bubble machines and similar devices of carnival nature, or containing elements creating sound greater than 40 decibels as measured from the nearest adjacent property or business boundary shall not be permitted in any zone;~~
- ~~———— (8) Signs within the public right-of-way unless erected by Clallam County or the State of Washington.~~

Section 33.57.080. Legal Nonconforming signs is amended to read as follows:

It is the intent of this section to ensure that nonconforming signs are brought into compliance with standards with the standards of this code. ~~or exceptional size and height are reduced in size and height in accord with this section and to ensure that nonconforming signs are retrofitted into conforming signs as expeditiously and fairly as possible while avoiding any unreasonable invasion of established property rights.~~ The following standards apply to nonconforming signs:

(1) ~~Residential/Resource Zones:~~ A nonconforming sign shall not be altered in height, shape, size, lighting/illumination, or affect the base or support without conforming with the provision of this chapter. No off-premise sign shall add electronic/digital components to a sign and existing electronic/digital signs shall be no greater than 0.3 foot candles above ambient light (includes day and night) and shall remain static for a minimum of 10 seconds, changing instantaneously to avoid startling flashing of lights, and shall transition without animation;

(2) A nonconforming sign may be maintained as long as the nonconformity of the sign is not increased.

(3) Properties with nonconforming signage shall only be allowed new or replacement signage requiring a permit after an equivalent number of nonconforming signs on the property are brought into conformance with standards of this chapter.

(a) Existing, legally erected, nonconforming freestanding signs greater than 128 square feet in area and/or taller than fifteen (15) feet shall be reduced to this standard (128 square feet in area/fifteen (15) feet in height).

(b) A property whose commercial use predates the existence of a zoning code in Clallam County shall be able to retain one existing, legally erected, nonconforming freestanding sign between thirty-two (32) square feet and 100 square feet in area and fifteen (15) feet in height but any sign larger than this standard shall be reduced to this standard. All existing, legally erected, nonconforming facade signage may be retained but shall not be enlarged in area or changed in location.

(c) All existing, legally erected, nonconforming, freestanding signs not covered in subsections (1)(a) or (1)(b) of this section which are greater than twenty (20) square feet in area and/or taller than five (5) feet shall be reduced to this standard.

(2) Commercial/Industrial Zones:

— (a) Existing, legally erected, nonconforming, freestanding signs greater than 128 square feet in area and/or taller than fifteen (15) feet shall be reduced to this standard (128 square feet in area/fifteen (15) feet in height).

— (b) A property with one or more existing, legally erected, nonconforming, freestanding sign(s) larger than 128 square feet covered by subsection (2)(a) of this section, that also has a secondary sign larger than thirty-two (32) square feet but smaller than 128 square feet may retain such secondary, existing nonconforming, freestanding sign; provided, that if it is greater than sixty-four (64) square feet in size and fifteen (15) feet in height then it must be reduced to this standard.

— (c) A property with no existing, legally erected, nonconforming, freestanding sign(s) larger than 128 square feet may retain one existing, legally erected, nonconforming freestanding sign between thirty-two (32) square feet and 100 square feet in size and fifteen (15) feet in height but any sign larger than this standard shall be reduced to this standard if a single sign or the standards below if more than one sign exceeds this standard.

— (d) All existing nonconforming, freestanding signs not covered in subsections (2)(a), (2)(b) or (2)(c) of this section shall be reduced to the new sign standard of thirty-two (32) square feet in area and ten (10) feet in height.

— (e) All existing, legally erected, nonconforming facade signage erected prior to the passage of the 1993 sign code may be retained but shall not be enlarged in area or changed in location.

— (3) Clallam County passed a comprehensive sign code in 1993. Since the 1993 sign code did not require nonconforming signs to come into compliance, all owners of legally erected, nonconforming signs have already had at least seven (7) years to amortize their signs. Nonconforming signs which must be brought into conformance with the area and/or height standards of this chapter may elect to do so after an amortization period that begins either on the date of the original sign building permit and runs for a term of one year for every \$1,000 of project value claimed on the original sign building permit, or alternatively, two (2) years from the effective date of this chapter whichever is greater.

— (4) Any sign which was nonconforming under the sign code adopted in 1993 (formerly Chapter 9.26 CCC) or under this code that has been enlarged shall be subject to conformance with the standards of this code without the amortization periods provided in subsection (3) of this section for legally established nonconforming signs after the notice specified in this title is provided to the owner. If the enlarged portions of the sign are not removed within the period specified in the notice, the entire sign becomes a prohibited sign subject to immediate conformance with the area and height requirements of this code.

— (5) Any sign erected after the passage of the 1993 sign code (formerly Chapter 9.26 CCC) that was a prohibited sign under the 1993 sign code shall be subject to removal by the County after the notice specified in this title is provided to the owner.

— (6) Properties with nonconforming signage shall only be allowed to erect new or replacement signage requiring a certificate of compliance after bringing an equivalent number of nonconforming signs on the property into conformance with the standards of this chapter.

— (7) A change in commercial or industrial land use as determined from review of land uses listed for each zone or change in a conditional use or a change of use under Section 3405 of the Uniform Building Code shall require all signage to come into conformance with the new sign standards of this chapter.

— (8) Nonconforming signs which have had the entire sign face area taken down to the ground as a result of natural disaster or which are removed as a result of loss of lease or are removed as a result of a construction project shall not be re-erected without bringing them into conformance with this chapter. No work on an undamaged, existing nonconforming sign that brings such sign into greater conformance with this code shall be considered to be a sign removal requiring conformance with the standards for new signage.

~~— (9) A sign or sign structure removed by the County shall be held not less than thirty (30) days after notice to the owner by the County during which period it may be recovered by the owner upon paying the County for cost of removal and storage, and upon payment of any imposed fine. If not recovered within the thirty (30) day period, the sign or sign structure is hereby declared abandoned and title thereto shall be vested in the County for disposal in any manner permitted by law.~~

~~— (10) All existing illuminated signs, other than facade signs, located in Rural Commercial, Rural Limited Commercial and Rural Neighborhood Commercial zoning districts and which:~~

~~— (a) Are within 600 feet of the outer boundary of a designated scenic and recreational highway; and~~

~~— (b) Do not advertise a business that is open during the entire time the sign is illuminated; shall be allowed a five (5) year amortization period after which lighting to these signs must be set by timer to be off when the business closes in order to further the goal in CCC 33.57.010(1)(c).~~

~~— (11) To encourage the retrofit of noneconforming signs to the standards of this chapter, Clallam County establishes an incentive program to assist owners of such signs. The County will make available, on a competitive basis, the total sum of \$30,000 for a program to assist the owners of noneconforming signs to replace or retrofit such signs into a sign that meets the standards of this code. The \$30,000 County funding set aside for this program may also be used as a match to scenic byway grant funding available to remove outdoor advertising signs.~~

Section 33.57.090. Signage visible from a scenic highway is amended to read as follows:

A permit or other written approval is required from the Washington State Department of Transportation prior to review of certain types of sign permits by Clallam County for those areas within 600 feet of a designated scenic and recreational highway to show conformance with the Scenic Vistas Act and the Highway Advertising Control Act (Chapter 468-66 WAC).

Section 33.57.100. Variances is amended to read as follows:

~~— Applications for a variance from the standards established by this code shall be processed as Type III permits as set forth in Chapter 26.10 CCC and the review criteria outlined in Chapter 33.30 CCC, Variances. Variances shall not be permitted for modification to the number of signs and sign types specified in this chapter. Sign size variances shall not exceed 10 percent of the standard required unless it can be demonstrated that the sign qualifies as a community landmark sign and must show that the increase is required to allow the sign owner to purchase a standardized sign required by a national manufacturer who does not offer signs in a conforming size. A sign size (area) variance of less than 10 percent in area that meets the preceding criteria shall be processed as a Type II administrative variance as set forth in Chapter 26.10 CCC. Sign height variances over the 10 percent limit are available to those business owners that can demonstrate that their noneconforming sign qualifies as a community landmark sign. A community landmark sign must predate the effective date of this code by at least 20 years, have advertised the same business under the same name for all of that time, have become an important cultural landmark to County residents and would be difficult to retrofit to the noneconforming sign standard without destroying the unique character of the sign.~~

Section 33.57.100110. Review of Administrator's action (appeals) is amended to read as follows:

Any person aggrieved by the granting, denying or rescinding of a decision of the Administrator made under this chapter may seek review from the Hearing Examiner in accordance with Chapters 33.33 and 26.10 CCC. The request must be in writing setting forth the basis of the appeal and must be accompanied by the appropriate fees outlined in Chapter 5.100 CCC.

Section 33.57.110. Enforcement is amended to read as follows:

The provisions of this title are subject to enforcement and penalty provisions contained in CCC Title 20, Code Compliance, except to the extent preempted by State or Federal law, and except to the extent preempted by any contrary enforcement and penalty provisions contained in this title.

Upon identification of a noncomplying or abandoned sign by the Department of Community Development, a notice of violation will be sent to the violator and landowner (if different) requiring corrective action within 90-days. Failure to correct the violation on or before a specified date, which shall be 90 days after mailing of the notice of violation, will result in the accrual of fines. If the violation identified in the notice of violation have not been corrected by the specified date, a certified letter will be sent informing the violator and/or landowner that fines shall accrue at a rate of \$100 per day on residential property and \$250 per day on commercial/industrial property until the violations are corrected.

Section 33.57.120. Severability is amended to read as follows:

If any provision of this chapter or its application to any person or circumstance is held invalid, the remainder of this chapter or the application to other persons or circumstances shall not be affected.

ADOPTED this ____ day of _____ 2023

BOARD OF CLATSOP COUNTY COMMISSIONERS

Mark Ozias

Randy Johnson

ATTEST:

Loni Gores, CMC, Clerk of the Board



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AGENDA ITEM SUMMARY

MAR 20 2023

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: Public Works

WORK SESSION ☒ **Meeting Date: March 20, 2023**

REGULAR AGENDA ☐ **Meeting Date:**

Required originals approved and attached? ☐
Will be provided on:

Item summary:

- | | |
|---|---|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # |
| ☐ Resolution | ☐ Proclamation |
| ☐ Draft Ordinance | ☐ Budget Item |
| | ☒ Other: Project Summary Briefing |

Documents exempt from public disclosure attached: ☐

Executive summary: The Public Works Department will provide a project update on the Dungeness Off-Channel Reservoir Project. Attached is an update of the last project summary presented in January. Project 1st Quarter highlights include, but are not limited to:

- Continued work on project design and field investigative work.
- Continued negotiations with DNR on acquisition.
- Recent notice of approval of the County's FY 2023 federal appropriation for \$2,727,870 to support project related Highland Irrigation Ditch Capacity main canal improvements (e.g., piping)
- Held three meetings (Jan. 17, Jan. 25 and Feb 3, 2023) with the Jamestown S'Klallam Tribe (JSKT), consultant team, and Washington State Dept. of Fish and Wildlife to exchange information and address JSKT staff project input, questions, and concerns.
- Held a Dungeness Reservoir Work Group Meeting on March 13, 2023 that covered topics including history of project, completed and pending design and field (cultural, surveying, geophysics) work, safety process and features, design considerations and potential adjustments, permitting, partner questions/comments, and next-steps.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

N/A

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

No action needed. This is intended to be a project briefing to the Board.

County Official signature & print name:

Steve Gray

Name of Employee/Stakeholder attending meeting: Steve Gray and Carol Creasey

Relevant Departments: Public Works

Date submitted: January 18, 2023

* Work Session Meeting - Submit 1 single sided/not stapled copy

** Regular Meeting - Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

DUNGENESS OFF-CHANNEL RESERVOIR PROJECT

(Last Updated March 2023)

Project Description

See the attached factsheet for a project description summary. To learn more, go to the Dungeness Off-Channel Reservoir website at: www.clallamcountywa.gov/188/Dungeness-Off-Channel-Reservoir

Project Team

Team Lead:	Steve Gray, Deputy Public Works Director
Project Manager:	Carol Creasey, Water Resources Program Manager
Legal:	Dee Boughton, Deputy Prosecuting Attorney
Engineering:	Joe Donisi, County Engineer and Pat McElroy, Engineer
Finance:	Hilary Steeby, Public Works Accountant Mark Lane, County Chief Financial Officer
Other Support:	Cathy Lear, Habitat Biologist County Permits: Dept. of Community Development Don Crawford, Parks Director (<i>Future Project Park Planning & Development</i>) Administrative Support: Public Works Administrative Staff
Consultant:	Anchor QEA and sub-consultants (<i>Phase 2 Support</i>) Washington Water Trust (<i>Phases 1 & 2 Support</i>)
Project Partners:	City of Sequim, Clallam Conservation District, Dungeness Water Users Association, Washington Water Trust, Jamestown S’Klallam Tribe, WA Dept. of Ecology, and WA. Dept. of Fish and Wildlife.

Project Phases/Timeline

Phase	Description	Tentative Timeline ¹
Phase 1	Land Transfer/Acquisition from State to County.	Jan. 2020 – June 2023
Phase 2	Site Assessments (e.g., seismic, environmental, cultural), project design, public outreach, permitting, water quality testing, and other related support work.	June 2021 – Dec. 2023
Phase 3	Construction	Jan. 2024 – June 2026
Phase 4	Park Planning and Development	TBD

¹ *Dependent on the timing to: (1) reach final agreement on land transfer (Phase 1) with the WA. Dept. of Natural Resources (DNR); (2) obtain all local, state, and federal permit approvals (Phase 2), and (3) secure remaining funded needed to construct (Phase 3) the Off-Channel Reservoir Project and related infrastructure.*

Project Budget Summary

Phase	Estimated Cost	Grant Funding	Comments
Phases 1 & 2	\$5,996,990	\$5,996,990	No County grant match required.
Phase 3A—Highland Irrigation Ditch Intake & Lateral Upgrades	\$2,417,700	\$1,813,275	The \$604,425 match (25%) met by Phase 2 grant work (e.g., design, permitting).
Phase 3B—Highland Irrigation Ditch Main Canal Improvements (e.g., piping)	\$2,727,870	\$2,727,870	FY2023 federal congressional appropriation. No match required.
Phase 3C: Off-Channel Reservoir & Related Infrastructure Construction	\$30,854,430	\$3,955,699	• No County match on awarded grant funding. • Awaiting decision on ~ \$29.9 million in federal grants requests.
TOTALS	\$41,996,990	\$14,993,834	

See attachments for a more detailed project funding summaries, including current grant funding and expenditures supporting Phases 1 and 2. Phase 3 work (construction) has not yet commenced.

Status and Key Milestones

Phases 1 and 2 (Land Acquisition, Design, Public Outreach and Permitting)

- Awarded \$5,996,990 between four state grants to complete project Phases 1 and 2 and public outreach. No County match required for this grant funding.
- Appraisal(s) completed for the ~ 396 acres of state lands targeted for land transfer with negotiations in process. May require update appraisals and/or third-party review of state and county appraisals to help reach agreement on purchase price.
- Site assessments completed: Seismic/Geohazard, Phase 1 and 2 Environmental Site Assessments (ESA), and Cultural Resources.
- Field work conducted or in process includes soil borings, well installations, surveying, geophysics, and additional cultural resources survey.
- Completed Draft Preliminary Basis of Design Report (March 2022).
- Preliminary Draft 30% Design for the Dungeness Off-Channel Reservoir Project in 2022; 60%, 90% and final design in process.
- Conducted public outreach meetings for the Dungeness Reservoir Partners, Clallam County Commissioners, and community presentations.
- Held a Preliminary Design Public Open House on December 6, 2022.
- Work on various local, state, and federal permit applications based on 30% preliminary design in progress.
- Held three meetings (Jan. 17, Jan. 25 and Feb 3, 2023) with Jamestown S'Klallam Tribe (JSKT), consultant team, and Washington State Dept. of Fish and Wildlife to exchange information and address JSKT staff project input, questions, and concerns.
- Held a Dungeness Reservoir Work Group Meeting on March 13, 2023 that covered topics including history of project, completed and pending design and field (cultural, surveying, geophysics) work, safety process and features, design considerations and potential adjustments, permitting, partner questions/comments, and next-steps.

Phase 3 (Construction)

- Awarded \$1,813,275 federal grant to construct Highland Irrigation Ditch intake and lateral upgrades. The estimated project cost is \$2,417,700 with a 25% match. The estimated required \$604,425 federal grant match will be met by the County's Phase 2 state grant work (design, permitting, etc.).
- Awarded \$3,955,699 between two state grants to support the Off-Channel Reservoir Project and related infrastructure construction phases.
- New project funding award:
 - Received notice in March 2023 of approval of the County's FY 2023 federal appropriation for \$2,727,870 to support Highland Irrigation Ditch Capacity main canal improvements (e.g., piping)
- Project construction funding requests pending an award decision:
 - Federal FEMA Hazard Mitigation Grant Program request totaling \$29,886,688 to support construction of the Off-Channel Reservoir Project and related infrastructure.
 - FY2024 federal appropriation (Murray) request of \$5,293,343 to support construction of the Off-Channel Reservoir Project and related infrastructure.
- Received notice in March 2023 that the County 10.6 million federal NOAA grant request to support construction was not selected for funding.

Challenges

- Reaching agreement on land value for the transfer of ~ 396 acres of DNR lands to County. DNR and County appraisals are \$925,350 apart.
- Clean-up and remediation of former dump site on DNR lands. Estimated cost for clean-up is approximately \$785,000.
- Due to higher costs than originally projected, there is an estimated \$300,000 funding gap to complete Phase 2 work. Listed as a potential project for receiving County allocated ARPA funds.
- Securing remaining estimated \$29.6 million needed to fully construct Off-Channel Reservoir and related infrastructure.

Sources of Funding as of 3-14-23

FUNDING SECURED	Secured	Contract	Amount Requested (including match)	Match	Expended	Remaining	Notes
State							
WA Ecology Streamflow Restoration (2019) PM, land aquisition, design, permitting, outreach/water rights/MOU	Yes	Yes	\$5,692,854	No	\$1,758,014.44	\$3,934,839.56	
WA Ecology Streamflow Restoration (2020) PM, construction	Yes	No	\$2,275,699	No	0	\$2,275,699	
WA Ecology Streamflow Restoration (2022) PM, construction	Yes	No	\$1,680,000	No	0	\$1,680,000	
WA Irrigation Efficiencies 2021 Environmental Site Assessment	Yes	Yes	\$54,136	No	\$54,136	0	
WA Irrigation Efficiencies 2022 Cultural resources, surveying, capacity verification, water quality analysis, borings/test pits/wells, drought pump evaluation	Yes	Yes	\$250,000	No	\$83,810.82	\$166,189.18	
Subtotal			\$9,952,689				
Federal							
US Bureau of Reclamation WaterSMART Improvements to upgradient HID including automated headgate, settling pond, piping od HID lateral	Yes	In process	\$2,417,700	\$604,425.05	0	\$2,417,700	25% match
FY23 Congressional Directed Spending Increase capacity and pipe HID main	Yes	In process	\$2,727,870	No	0	\$2,727,870	
Subtotal		total	\$5,145,570				
TOTAL (state and federal)			\$15,098,259				
Pending Grants							
FEMA Hazard Mitigation Grant Program (HMGP)			\$29,986,688	\$1,499,334.40			5% match
FY 24 Murray Appropriation Request			\$5,293,343	No			

BUDGET SUMMARY

WA Ecology Streamflow Restoration Grant (2019)			
Tasks	Est. Expense	as of 3/14/23	
		Total Expenditures	Remaining Budget
1 Grant Administration	\$335,877.00	\$267,130.28	\$68,746.72
2 Land Acquisition	\$2,170,000.00	\$51,511.75	\$2,118,488.25
3 Detailed Design	\$2,895,300.00	\$1,322,929.50	\$1,572,370.50
4 Permitting	\$156,727.00	\$52,322.45	\$104,404.55
5 Outreach/Water Rights/MOU	\$134,950.00	\$64,120.46	\$70,829.54
Total	\$5,692,854.00	\$1,758,014.44	\$3,934,839.56

WA Conservation Irrigation Efficiencies (2022-2023)			
Tasks	Est. Expense	as of 3/6/23	
		Total Expenditures	Remaining Budget
1 Add. Cultrual Resources	\$25,000.00	\$19,659.24	\$5,340.76
2 Topographic Boundary Survey	\$109,000.00	\$59,660.02	\$49,339.98
3 Verify Capacity of HID Main	\$4,000.00	\$3,920.31	\$79.69
4 Water Quality Analysis for Irrigators	\$12,000.00	\$360.00	\$11,640.00
5 Borings and Observation Wells	\$93,000.00	\$0.00	\$93,000.00
6 HID Drought Pump Evaluation	\$7,000.00	\$211.25	\$6,788.75
Total	\$250,000.00	\$83,810.82	\$166,189.18



DUNGENESS OFF-CHANNEL RESERVOIR

The solution to freshwater supply challenges facing people, farms, and fish.

WATER SUPPLY

The Dungeness River is an important water supply for local farms, communities, and four ESA-listed fish species. However, Dungeness salmon and steelhead numbers have decreased significantly over the past 150 years largely due to low streamflows in the late summer.

STREAMFLOW CHALLENGES

- Agricultural users withdraw up to 50% of river flows in late summer,
- Climate change is projected to decrease spring and summer season streamflow by 24-31%, raising stream temperatures 2.2-2.5°C by the 2080's.
- Low streamflows mean dangerously high water temperatures and passage challenges for fish.

FOR MORE INFORMATION



web_reservoir@clallamcountywa.gov
<https://www.clallamcountywa.gov/188/Dungeness-Off-Channel-Reservoir>

PROJECT DESCRIPTION



The **Dungeness Off-Channel Reservoir** is designed to restore flows to the Dungeness River in the late summer by storing water from the Dungeness River during winter and spring when flows are plentiful. This stored water will be used for irrigation later in the year in place of water withdrawn directly from the river when flows are at their lowest and for aquifer recharge. The result will be:

- Restored streamflow to the River.
- Increased groundwater levels in the heavily tapped shallow aquifer.
- A stable, drought-resistant and climate-resilient water supply for local agriculture and communities.

BY THE NUMBERS

Reservoir size	Reservoir capacity	Size of new county park
41.6 acres	1,600 acre feet	396 acres
Flow restoration benefit	One-month irrigation supply annually for	ESA-listed fish species benefitting
15-26.5 cfs*	3,200 acres	4 species**

*Represents up to a 47% increase in flow which dropped to 56 cfs in 2015. Restored flow will be protected by Trust Water/MOA agreement from other diverters.

**Puget Sound Chinook, Hood Canal Summer Chum, Puget Sound Steelhead & Bull Trout

COMMUNITY BENEFITS



Climate-Resilient Water Supply - Decreasing water supplies for both people and the environment is the biggest climate concern for eastern Clallam County. Drought conditions have been present in the area in four of the past eight years. This project will use water storage to provide a reliable climate-resilient water supply for farmers, offset the impact of new domestic wells, while leaving water in-stream for fish..



Agriculture/Irrigation - The reservoir would benefit agricultural needs by providing greater water supply reliability, releasing stored water for irrigation use in the late summer during the fish critical low-flow period (August to September).



Aquifer Recharge - Stored water from the reservoir can be used for aquifer recharge to increase groundwater levels in the heavily tapped shallow aquifer as well as augment flows in local streams, and offset the impact of new domestic wells with the Dungeness Water Exchange (a local water bank).



Streamflow Restoration - The project will restore between 15 - 26.5 cfs of flow in the Dungeness River during late summer, greatly improving low streamflows and fish passage, restoring habitat, and reducing water temperature for ESA-listed salmon, steelhead and bull trout.



Floodwater Management - The project will alleviate flooding on roads and properties in Clallam County and the City of Sequim by intercepting upland overland flow before it reaches and inundates city infrastructure.



Recreation - The project site is currently owned by the WA Department of Natural Resources and will be owned and managed by Clallam County as a new public park with hiking, biking, wildlife viewing, and river access opportunities. The park will provide aesthetic benefits for improved recreation access.

TENTATIVE PROJECT TIMELINE*

PHASE	DATE
PHASE 01 LAND TRANSFER & ASSESSMENTS	JAN 2020 - JUNE 2023
PHASE 02 DESIGN, RELATED OUTREACH & PERMITTING	JUNE 2021 - DEC 2023
PHASE 03 CONSTRUCTION & RELATED OUTREACH	JAN 2024 - JUNE 2026

TOTAL CONSTRUCTION BUDGET OF - \$36 MILLION

*Depending upon secured funding and permitting approval.

PROJECT SPONSOR: CLALLAM COUNTY

PARTNERS:

- | | |
|-------------------------------------|-------------------------------|
| • CITY OF SEQUIM | • JAMESTOWN S'KLALLAM TRIBE |
| • CLALLAM CONSERVATION DISTRICT | • WA DEPT. OF ECOLOGY |
| • DUNGENESS WATER USERS ASSOCIATION | • WA DEPT. OF FISH & WILDLIFE |
| | • WASHINGTON WATER TRUST |

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MAR 20 2023



AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: BOCC

WORK SESSION ☒ Meeting Date: 3-20-23

REGULAR AGENDA ☒ Meeting Date: 3-21-23

Required originals approved and attached? ☐
Will be provided on:

Item summary:

- | | | |
|---|--|---|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # | |
| ☐ Resolution | ☐ Proclamation | ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance | ☒ Other – Letter of Support |

Documents exempt from public disclosure attached: ☐

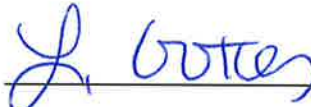
Executive summary:

HB 1628 Letter of Support:

The WA Association of Counties is looking for counties interested in advocating for HB 1628 which would provide additional resource and local opt-in for an additional revenue stream that could be used to help build affordable housing units in our community. We will review a draft LOS.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
None.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
Review and approval.

County Official signature & print name:  Loni Gores, Clerk

Name of Employee/Stakeholder attending meeting: Board of Commissioners

Relevant Departments: Board of Commissioners

Date submitted: 3-14-23

* Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)



MARK OZIAS, District 1, Chair
RANDY JOHNSON, District 2
MIKE FRENCH, District 3

Board of Clallam County Commissioners

223 East 4th Street, Suite 4
Port Angeles, WA 98362-3015
360.417.2233 Fax: 360.417.2493
Email: commissioners@clallamcountywa.gov

RICH SILL, County Administrator

March 21, 2023

House Finance Committee
Representative Chopp
P.O. Box 40600
Olympia WA, 98504-0600

Re: House Bill 1628 Affordable Homes Act

Dear Representative Chopp and Members of the House Finance Committee,

We write today in support of HB 1628: The Affordable Homes Act. The need for stable and affordable homes is dire throughout the state and is most acute for households of low and moderate means. As more and more families struggle to find affordable homes, it is imperative for strong state action that makes a significant and dedicated investment in something so essential as housing.

Rapidly increasing housing costs, population growth, and chronic underproduction has led to a substantial shortage of affordable housing, making low-income residents increasingly vulnerable to homelessness. Having a safe, stable, and affordable place to call home is the foundation of a healthy and vibrant community. While Washington needs to increase housing production for all people across the income spectrum, the private market cannot provide enough affordable housing options for low-income people. Public investment is essential to meet the full spectrum of our state's housing needs, including both rental housing and homes for purchase.

The Affordable Homes Act would expand the supply of affordable housing through a significant investment from the state. It would create a new graduated tier for the state Real Estate Excise Tax (REET) on the portion of property sales price above \$5 million. This progressive revenue source will generate over \$200 million per biennium and be dedicated to the Housing Trust Fund, Apple Health and Homes account, a developmental disabilities trust account, and operations, maintenance and services for permanent supportive housing.

The Affordable Homes Act would also give jurisdictions like Clallam County the option to create a 0.25% local option REET for affordable housing. These new revenues can be leveraged with other

local, state, and federal sources to fund housing development and operations, helping local jurisdictions meet the ambitious affordable housing need targets set by the Washington State Department of Commerce. The ongoing housing crisis requires all levels of government to take large-scale action by significantly investing in affordable housing.

The Affordable Homes Act is a crucial tool in a comprehensive strategy to meet the housing needs of all Washingtonians. This bill invests in affordable housing at the scale we need, reducing homelessness, increasing access to homeownership, and improving the lives of countless individuals and families in our state. We urge you to support The Affordable Homes Act and to make affordable housing a priority throughout the state.

Sincerely,

BOARD OF CLALLAM COUNTY COMMISSIONERS

Mark Ozias, Chair

Randy Johnson

Mike French

DRAFT



16
MAR 20 2023
MAR 20 2023

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: BOCC

WORK SESSION ☒ **Meeting Date:** 3/20/23

REGULAR AGENDA ☐ **Meeting Date:**

Required originals approved and attached? ☐
Will be provided on:

Item summary:

- | | |
|---|---|
| ☐ Call for Hearing | ☐ Contract/Agreement/MOU - Contract # |
| ☐ Resolution | ☐ Proclamation ☐ Budget Item |
| ☐ Draft Ordinance | ☐ Final Ordinance ☒ Other – Update only |

Documents exempt from public disclosure attached: ☐

Executive summary:

Legislative Session Update:

The purpose of this discussion will be to regularly review Clallam County's priorities, projects and programs that require support from the Washington State Legislature and to plan and coordinate our individual and collective outreach efforts. We envision this to be a standing weekly agenda item throughout the term of this current Legislative session.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
None.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
Update only.

County Official signature & print name: Loni Gores Loni Gores, Clerk

Name of Employee/Stakeholder attending meeting: Board of Commissioners

Relevant Departments: Board of Commissioners

Date submitted: 3/14/23

* Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)



Clallam County

CLALLAM COUNTY MEETING PARTICIPATION

Board of Clallam County Commissioner meetings will also be available virtually at:

If you would like to participate in the meeting via Zoom audio only, call 253-215-8782 and use meeting ID: 875 561 7844 and passcode: 12345

If you would like to participate in the meeting via Zoom video conference, visit <https://zoom.us/j/8755617844> and use meeting ID: 875 561 7844 and passcode: 12345

This meeting can be viewed on a live stream at this link:
<https://www.clallamcountywa.gov/669/Live-Archived-Meetings-Online>

Public comment can be directed to the Clerk of the Board at 360-417-2256 or Loni.Gores@clallamcountywa.gov

DNR
meeting @
1pm 3/20/23

Clallam County

2022 Quarterly Income Report – Quarter 4

The Washington State Department of Natural Resources manages more than 600,000 acres of state forestlands in Washington. State forestlands generate revenue that helps support counties and local services. The lands are located in 21 counties, though the amount of acreage of trust land varies considerably by county. This report provides county-specific information regarding quarterly revenue from state forestlands.

ALL REVENUE¹ distributed to Clallam County in Calendar Quarter 4 (October 1 - December 31, 2022). Due to the specific date monies are received by the Department and the cutoff dates used by the State Treasurer for wire transfers, the revenue for the current period may be different than actual remittances received by the county.

\$ 1,788,915.42

ALL REVENUE¹ accrued for Clallam County this calendar year, 2022, as of December 31, 2022. For reporting purposes, DNR follows the modified accrual basis of accounting per Generally Accepted Accounting Principles (GAAP). Under this measurement focus, revenues are recognized and recorded when they become both measurable and available, i.e., when invoiced.

\$ 5,914,742.00

NET VALUE² of State Forestland timber in Clallam County under contract as of December 31, 2022.

\$ 9,467,204.29

[Click here](#) for 10-Year Revenue History.

[Click here](#) for detail about timber sales under contract.

¹ All revenue refers to distributions from timber and non-timber sources.

² Net value of timber includes the estimated value of timber currently under contract and does not include the estimated value from non-timber sources.

There are two types of state forestlands: State Forest Transfer lands, and State Forest Purchase lands.

1. **State Forest *Transfer* Lands.** These are lands acquired by counties through tax foreclosures that were subsequently turned over to the state. The Department of Natural Resources currently manages more than 538,000 acres of these forestlands in trust for 20 counties. Revenue from State Forestlands is distributed in accordance with RCW 79.64.110. Based on population, Skamania and Wahkiakum Counties have different distribution requirements compared with other counties.
2. **State Forest *Purchase* Lands.** State-issued bonds were used to acquire certain parcels of forestland from private owners. Typically, these forestlands had been logged and were in need of active management. Allocation of revenue from these lands was determined when purchase was authorized, as follows: 26.5 percent to the county in which the property is located; 50 percent to DNR for management expenses; and the remaining 23.5 percent to the State General Fund.

State Forestlands

Current as of 04/09/2021

	State Forest Transfer	State Forest Purchase	Total Acres
Clallam	93,018	242	93,260
Clark	26,497	3,850	30,347
Cowlitz	11,083	275	11,358
Grays Harbor	2,315	29,033	31,348
Jefferson	14,706	16	14,722
King	22,908	0	22,908
Kitsap	7,561	79	7,640
Kittitas	0	3	3
Klickitat	20,360	41	20,401
Lewis	39,999	3,069	43,067
Mason	28,344	561	28,905
Okanogan	42	0	42
Pacific	14,839	8,163	23,002
Pierce	8,880	3,339	12,219
Skagit	86,146	2	86,148
Skamania	37,917	4,461	42,378
Snohomish	62,480	1,681	64,161
Stevens	160	41	201
Thurston	20,019	23,531	43,550
Wahkiakum	12,405	0	12,405
Whatcom	29,241	996	30,237
Total Acres	538,918	79,384	618,302

CLALLAM COUNTY

Table 2: STATE FORESTLANDS -TIMBER SALES UNDER CONTRACT

(NOTE: 30 month timeline - updated every quarter)

LUMP SUM SALES	Contract #	Estimated total sale value to be distributed to the County*	Total Sale Distributions to the County through 12/31/2022	Estimated Remaining Value to be Distributed to the County	Contract End Date	2023	2024	2025
Willey Ridge VRH VDT	98103	59,251.50		59,251.50	10/31/2024			
Whiskey Creek Limit	99241	1,383,736.95	1,250,142.76	133,594.19	10/31/2023			
South Chicago	99255	1,141,938.00	934,844.26	207,093.74	4/30/2023			
Flutterby	99655	569,157.19	403,946.81	165,210.38	12/31/2023			
Good Golly	100647	136,643.64	124,620.96	12,022.68	4/15/2023			
Salty View	100653	1,522,607.10	476,448.81	1,046,158.29	10/31/2023			
Solducking	100655	386,749.70	349,367.00	37,382.70	10/31/2023			
Shu Tye	100656	65,628.00	59,461.17	6,166.83	1/31/2023			
For What It's Worth	100852	197,116.75	134,512.98	62,603.77	9/30/2023			
Overunder	102019	800,345.25	500,200.54	300,144.71	10/31/2023			
Black Diamond	102024	1,837,045.11		1,837,045.11	10/31/2023			
Aldwell	102251	2,188,500.00		2,188,500.00	10/31/2024			
Morse Siebert Divide	102260	59,910.49		59,910.49	10/31/2024			
Tyee Ridge	102262	765,236.01		765,236.01	9/04/2024			
Outfield	102802	1,363,114.50	182,164.68	1,180,949.82	10/31/2024			
Striped Fly	102915	86,250.00		86,250.00	1/15/2023			
Rio	103161	679,117.26		679,117.26	10/31/2024			
Dry Fire	103791	4,339.02	3,920.01	419.01	10/31/2023			
Total		13,246,686.47		8,827,056.49				
SCALE SALES	Contract #	Estimated total sale value to be distributed to the County*	Total Sale Distributions to the County through 12/31/2022	Estimated Remaining Value to be Distributed to the County	Contract End Date			
Center 21 Thinning	100662	220,163.54	37,416.35	182,747.19	10/31/2025			
Trees a Crowd VDT	102250	457,400.62		457,400.62	10/31/2025			
Total		677,564.16		640,147.81				
SORT SALES	Contract #	Estimated total sale value to be distributed to the County*	Total Sale Distributions to the County through 12/31/2022	Estimated Remaining Value to be Distributed to the County	Harvest Contract End Date			
Total								
Net Estimated Remaining Value of State Forestland Timber Under Contract						8,457,204.29		

1-LUMP SUM SALES Purchaser bids a fixed total sale value. Distributions occur throughout the contract as timber is harvested and invoiced. Contract can be extended.

2-SCALE SALES Purchaser bids a fixed price per thousand board feet for the biddable species; prices for all other species are set by DNR prior to auction. The total value for scale sales are estimates only, actual value will depend upon the amount of timber volume harvested by species. Distributions occur throughout the contract as timber is harvested and invoiced. Contract can be extended.

3-SORT SALES 1) Contractor hired by DNR harvests timber, delivers logs to individual purchasers of log sorts, and the harvester is paid for those services from the gross proceeds. Purchaser bids a delivered log value, per thousand board feet. The net value (after payment of harvesting costs) are estimates only until the project is completed. Actual net value will depend upon the amount of timber volume harvested by sort. 2) Distribution occurs once all operations are completed and the sale revenues and expenditures have been audited. Partial distributions may occasionally occur to provide revenue for the beneficiaries, or to meet the statutory requirement to maintain less than \$5 million in the Contract Harvest Revolving Fund at the end of each calendar year under RCW

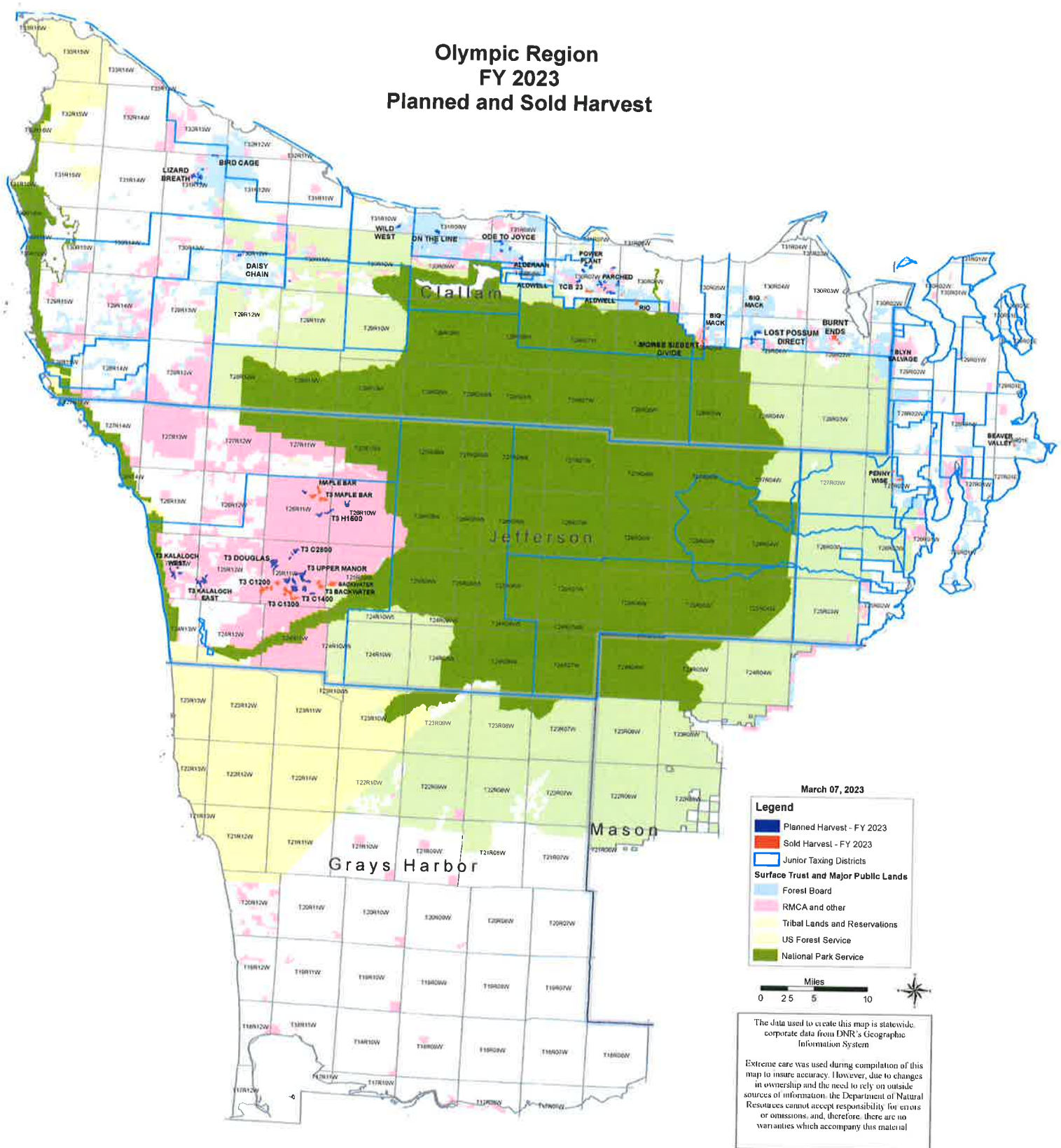
Estimated Distribution Window	SORTS Contract End Date:
-------------------------------	--------------------------

If you are interested in more information related to state trust land distribution, please contact:
mona.griswold@dnr.wa.gov 360-374-2800

NOTE: This table shows revenue from timber only, it does not include non-timber revenue.

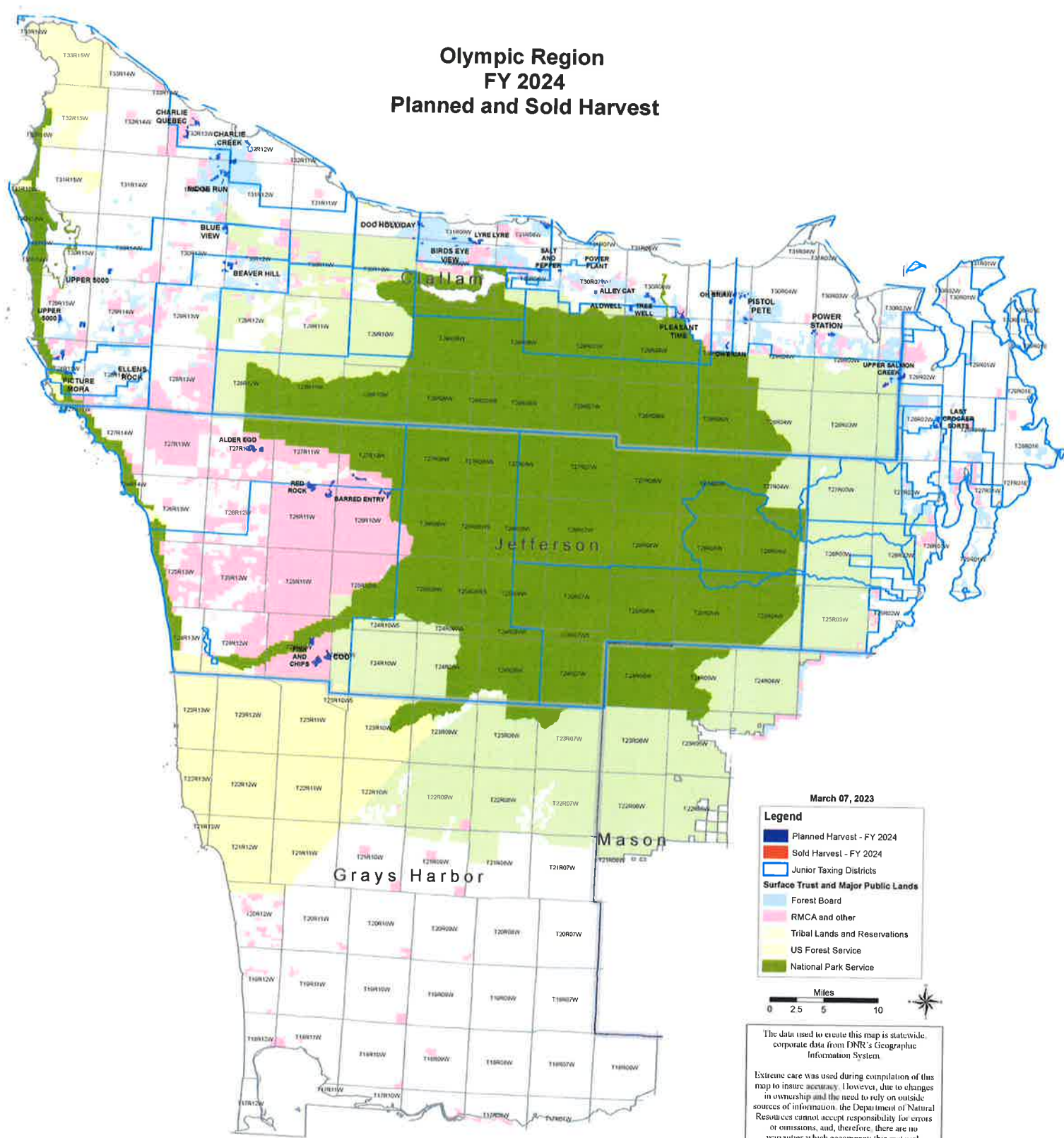
* This revenue is distributed by the county in accordance with RCW 79.64.110

Olympic Region FY 2023 Planned and Sold Harvest



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES
HILARY S. ENACE | COMMISSIONER OF PUBLIC LANDS

Olympic Region FY 2024 Planned and Sold Harvest



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES
HILARY S. FRANZ | COMMISSIONER OF PUBLIC LANDS



Olympic Region State Lands Management Presentations

Part 1: Timber Sale Planning



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

dnr.wa.gov

Sustainable Harvest Calculation

What is SHC?

It is a sustainable volume of timber to be offered for sale over a 10-year period, approved by the Board of Natural Resources.



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

dnr.wa.gov

RCWs and the SHC

Revised Codes of Washington (RCW) 79.10.320 directs the DNR to set and recalculate these levels every 10 years

(Currently operating in the 2015-2024 planning decade)

RCW 79.10.330 (Arrearage), “if an arrearage exists at the end of a decade...sale the arrearage in addition to the sustainable harvest level adopted for the next decade..”



What guides the SHC?

Policies:

- **Policy of Sustainable Forestry**
- **Habitat Conservation Plan (HCP)**

Procedures:

- **Over 50 Department procedures, guidelines, and tasks related to forest management**
- **Riparian and Wetland Zones, Potentially Unstable Slopes, Northern Spotted Owls, and Marbled Murrelets**



Policy of Sustainable Forestry

- **20 Westside Sustainable Harvest Units (SHUs)**
 - Olympic Region has the Clallam, Grays Harbor, and Jefferson County SHUs and the Olympic Experimental State Forest (OESF)
- **A harvest level is set for each unit**



Habitat Conservation Plan

- **Adopted by the DNR in 1997 and covers 1.8 million acres**
- **DNR's HCP provides mitigation for federally listed species and numerous T&E salmonid species**
- **Long-term land management plan – 70 years**
- **Includes species specific conservation strategies and plan implementation**



Procedures

- **Riparian and Wetlands**
- **Potentially Unstable Slopes**
- **Northern Spotted Owls**
- **Marbled Murrelets**
- **Forest Land and Landscape Plans**
- **Watershed analysis**
- **Operational constraints**



Olympic Region Planning

- **Once target levels set, District Managers and Unit Foresters identify forest management units (FMUs) to set an action plan**
- **Forestry Handbook**
- **GIS Review and Inventory**
- **Local Knowledge**



Timber Sale Reviews

- Once Timber Sales are identified, they are scheduled by Fiscal Year (FY)
- Approximately 1-2 years before the beginning of the FY schedule, all timber sales are submitted for review by DNR specialists
- Timber Sale Specialists include: Region Biologist, Licensed Region Geologist, Cultural Resource Specialist, Licensed Land Surveyor, Region and District Engineers, Rights-of-Way Specialists, and Region Management



Timber Sale Scheduling

- **After Specialist Reviews, workloads are considered when completing and finalizing the region's FY timber sale schedule**
- **Region's constraints include survey work, unstable slopes, and cultural resources**
- **Field Work begins on timber sales 7-8 months before scheduled auction date**



State Lands Management Presentations

Part 2: Timber Sale Field Work

- Field Recon
- Field Review with Specialists
- Timber Sale Boundary Marking
 - Leave Tree Retention Plans
 - Road Plans



Questions?



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

dnr.wa.gov



CLALLAM COUNTY REVENUE PROJECTIONS FOR 2023 (ALL NUMBERS ARE ESTIMATES AND ARE SUBJECT TO CHANGE)

SALES CURRENTLY UNDER CONTRACT																								
SALE NAME	CONTRACT NO.	SALE TYPE	SALE DATE	EXP. DATE	Total Volume	TOTAL VALUE	% COUNTY	Total Value to County	TAX DIST.		PREVIOUS YEARS	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		PROJECTED 1ST-4TH QUARTER	Yearly Total Wired	SALE TOTAL WIRE TO COUNTY	2024 under contract	
												Projected	Wired to County	Projected	Wired to County	Projected	Wired to County	Projected	Wired to County					
WILLEY RIDGE	C3000098103	LUMP SUM	4/28/2021	10/31/2024	8797	\$630,000	12.54%	\$59,252	302-100%%		N/A	\$0		\$0		\$25,000		\$0		\$25,000	\$0	\$0	\$59,252	
SPRUCED UP- EXTENDED	C3000098878	LUMP SUM	5/27/2020	1/31/2023	7672	\$1,922,487.00	14.52%	\$209,359	502-100%		\$183,762	\$0		\$25,597		\$0		\$0		\$25,597	\$0	\$183,762	\$25,597	
WHISKY CK. LIMIT-EXTENDED	C3000099241	LUMP SUM	8/26/2020	10/31/2023	9692	\$2,710,419.57	70.56%	\$1,434,354	102-9.05%		\$113,137	\$0				\$0		\$3,690		\$113,137	\$0	\$113,137	\$12,980	
									153-90.95%		\$1,137,006	\$0			\$0		\$37,086		\$37,086	\$0	\$1,137,006	\$130,454		
SOUTH CHICAGO-EXTENDED	C3000099255	LUMP SUM	6/17/2020	4/30/2023	8984	\$1,602,720.00	95.70%	\$1,150,352	153-100%		\$929,702	\$0		\$42,945		\$62,670		\$115,035		\$0	\$177,705	\$42,945	\$972,647	\$0
FLUTTERBY	C3000099655	LUMP SUM	10/28/2020	12/31/2022	3282	\$1,005,001.00	75.51%	\$569,157	102-43.24%		\$174,666	\$0		\$47,578		\$24,610		\$0		\$24,610	\$47,578	\$222,244	\$0	
									153-56.76%		\$229,280	\$0		\$62,455		\$32,305		\$0		\$32,305	\$62,455	\$291,735	\$0	
GOOD GOLLY-EXTENDED	C3000100647	LUMP SUM	12/16/2020	4/15/2023	6554	\$1,936,148	9.41%	\$136,644	502-100%		\$124,621	\$0		\$12,000		\$0		\$0		\$12,000	\$0	\$124,621	\$0	
SALTY VIEW	C3000100653	LUMP SUM	2/24/2021	10/31/2023	8628	\$2,387,841	85.02%	\$1,522,607	151-10.47%		\$49,884	\$0		\$20,940		\$52,758		\$20,940		\$94,638	\$0	\$15,942	\$15,942	
									102-19.51%		\$82,955	\$0		\$39,020		\$98,311		\$39,020		\$176,351	\$0	\$82,955	\$29,706	
									153-70.01%		\$333,609	\$0		\$140,040		\$352,829		\$140,040		\$632,909	\$0	\$333,609	\$106,612	
									502-100%		\$349,367	\$0		\$0		\$37,383		\$0		\$37,383	\$0	\$349,367	\$0	
SHU TYE-EXTENDED	C3000100656	LUMP SUM	6/16/2021	1/31/2023	1787	\$265,888	32.37%	\$64,551	502-76%		\$45,170	\$0		\$3,889		\$0		\$0		\$3,889	\$0	\$45,170	\$0	
CENTER 21 THIN	C3000100662	WEIGHT SCALE	12/15/2021	10/31/2024	4652	\$707,187.32	30.00%	\$159,117	503- 24%		\$14,264	\$0		\$1,228		\$0		\$0		\$1,228	\$0	\$14,264	\$0	
									202-100%		\$37,416	\$0	\$10,070	\$10,000		\$10,000		\$30,000	\$10,070	\$47,486	\$81,632			
FOR WHAT IT'S WORTH	C3000100852	LUMP SUM	1/27/2021	9/30/2023	5100	\$1,188,166	22.12%	\$197,117	502-100%		\$134,513	\$0		\$0		\$42,892		\$19,711		\$62,603	\$0	\$134,513	\$0	
OVER UNDER	C3000102019	LUMP SUM	1/26/2022	10/31/2023	2889	\$1,067,127	100%	\$800,345	503-100%		\$722,598	\$0		\$0		\$0		\$80,000		\$80,000	\$0	\$722,598	\$0	
BLACK DIAMOND	C3000102024	LUMP SUM	11/30/2021	10/31/2023	5469	\$2,449,393.48	100.00%	\$1,837,045	101-55.17%		N/A	\$0		\$334,528		\$220,680		\$152,821		\$594,181	\$334,528	\$334,528	\$101,350	
									102-44.83%		N/A	\$0	\$271,831	\$179,320		\$179,320		\$124,179		\$482,819	\$271,831	\$52,354		
TYEE RIDGE	C3000102262	LUMP SUM	6/15/2022	10/31/2023	4720	\$1,158,001	91%	\$790,336	503-100%		N/A	\$0		\$0		\$400,000		\$311,302		\$711,302	\$0	\$0	\$79,034	
									102-33%		N/A	\$0		\$0		\$0		\$0		\$0	\$0	\$173,992		
									202-34%		N/A	\$0		\$0		\$0		\$0		\$0	\$0	\$173,992		
									153-33%		N/A	\$0		\$0		\$0		\$0		\$0	\$0	\$173,992		
OUTFIELD	C3000102802	LUMP SUM	5/25/2022	10/31/2024	5559	\$1,827,170	98%	\$1,342,970	502-78.83%		\$143,600	\$0		\$346,391		\$197,075		\$197,075		\$68,656	\$462,806	\$346,391	\$489,991	\$105,866
									506-21.17%		\$38,564	\$0	\$93,024	\$52,925		\$52,925		\$18,438		\$124,288	\$93,024	\$131,588	\$28,431	
STRIPED FLY	C3000102915	LUMP SUM	4/27/2022	CLOSED	469	\$115,000	100%	\$86,250	153-100%		N/A	\$0		\$86,250		\$0		\$0		\$0	\$86,250		\$28,431	
RIO	C3000103161	LUMP SUM	8/24/2022	10/31/2024	1898	\$905,490	100%	\$679,117	101-80%		N/A	\$0		\$0		\$0		\$0		\$0	\$0	\$0	\$0	\$543,294
									102-20%		N/A	\$0		\$0		\$0		\$0		\$0	\$0	\$0	\$135,823	
ALDWELL	C3000102251	LUMP SUM	10/26/2022	10/31/2024	5899	\$2,918,000	100%	\$2,188,500	102-75%		N/A	\$0		\$193,559		\$435,000		\$435,000		\$413,680	\$1,283,680	\$193,559	\$193,559	\$164,137
									151-5%		N/A	\$0	\$12,903	\$29,000		\$29,000		\$27,578		\$12,903	\$10,942			
									152-20%		N/A	\$0	\$51,615	\$116,000		\$116,000		\$342,314		\$51,615	\$51,615	\$43,770		
									176-100%		N/A	\$0	\$0		\$0		\$0		\$0		\$0	\$116,467		
MORSE SIEBERT DIVIDE	C3000102260	LUMP SUM	10/26/2022	10/31/2024	1827	\$621,156	25%	\$116,467	503- 100%		\$3,920	\$0		\$419		\$0		\$0		\$0	\$419	\$4,339	\$0	
DRY FIRE	C3000103791	LUMP SUM	9/28/2022	CLOSED	754	\$190,936	3%	\$4,339	176-50%			\$0		\$0		\$0		\$0		\$0	\$0	\$0	\$397,747	
BIG MACK	C3000103761	LUMP SUM	1/25/2023	10/31/2025	3003	\$1,060,659	100%	\$795,494	202-50%			\$0		\$0		\$0		\$0		\$0	\$0	\$0	\$0	\$397,747
											\$0		\$0		\$0		\$0		\$0		\$0	\$0	\$397,747	
				TOTALS	102,419	\$ 27,475,902		\$ 14,256,606			\$4,848,034	\$0	\$1,553,568	\$1,602,299	\$0	\$2,364,208	\$0	\$1,577,455	\$0	\$5,543,962	\$1,553,568	\$6,401,602	\$2,365,615	

SALES PROJECTED TO BE SOLD IN CALANDAR YEAR 2023 (ALL NUMBERS ARE ESTIMATES AND ARE SUBJECT TO CHANGE)																																	
WILD WEST	C000103771	LUMP SUM	3/29/2023	10/31/2024	1542	\$158,000	100%	\$118,500	151-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$118,500							
DAISY CHAIN	C000103890	LUMP SUM	3/29/2023	10/31/2024	1043	\$100,000	50%	\$37,500	503-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,500							
BIRD CAGE	C000103967	LUMP SUM	3/29/2023	10/31/2023	612	\$137,700	100%	\$103,275	302-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$103,275	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0							
ALDERAAN	C000104353	LUMP SUM	4/26/2023	10/31/2025	1216	\$450,000	100%	\$337,500	151-25%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0							
									152-25%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
									153-50%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
TCB 23	C000103864	LUMP SUM	4/26/2023	12/31/2024	506	\$113,850	83%	\$70,872	102-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,750							
LIZARD BREATH	C000103773	LUMP SUM	5/24/2023	10/31/2025	4930	\$1,000,000	82%	\$615,000	302-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70,872							
LOST AND FOUND SORTS	C000103559	SORT	6/21/2023	5/31/2024	5679	\$1,135,800	98%	\$834,813	202-65%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$615,000						
									203-35%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$542,628	
									102-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$292,184
POWER PLANT	TBD	LUMP SUM	6/21/2023	10/31/2025	1638	\$409,500	100%	\$307,125	102-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$307,125							
PICTURE MORA	TBD	LUMP SUM	7/26/2023	TBD	4200	\$1,050,000	100%	\$787,500	502-50%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$307,125						
									506-50%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$393,750
CHARLIE CK	TBD	LUMP SUM	8/30/2023	TBD	6475	\$1,359,750	100%	\$1,019,813	302-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$393,750						
BLUE VIEW	TBD	LUMP SUM	8/30/2023	TBD	3000	\$675,000	100%	\$506,250	502-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,019,813						
UPPER SALMON	TBD	LUMP SUM	8/2/30/23	TBD	6290	\$1,887,000	32%	\$452,880	203-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$452,880						
LYRE LYRE	TBD	LUMP SUM	9/27/2023	TBD	3920	\$980,000	67%	\$492,450	153-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$492,450						
RIDGE RUN	TBD	LUMP SUM	9/27/2023	TBD	4900	\$1,225,000	100%	\$918,750	302-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$918,750						
OH BRIAN	TBD	LUMP SUM	9/27/2023	TBD	5396	\$1,888,600	100%	\$1,416,450	176-50%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$708,225						
									202-50%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$708,225
SALT AND PEPPER	TBD	LUMP SUM	10/25/2023	TBD	4566	\$1,598,100	100%	\$1,198,575	102-40%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$708,225						
									151-60%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$479,430
ELLENS ROCK	TBD	LUMP SUM	10/25/2023	TBD	3750	\$937,500	89%	\$625,781	502-50%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$719,145						
									506-50%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$312,890
									102-70%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLEY CAT	TBD	LUMP SUM	11/15/2023	TBD	2824	\$847,200	100%	\$635,400	151-20%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$444,780						
									152-10%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
BEAVER HILL	TBD	LUMP SUM	11/15/2023	TBD	5100	\$1,147,500	93%	\$800,381	503-100%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,540						
TREE WELL	TBD	LUMP SUM	12/13/2023	TBD	7972	\$2,391,600	100%	\$1,793,700	101-33%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$591,921						
									102-67%	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
				TOTALS	177,978	46,968,002		27,329,120		\$4,848,034	\$0	\$1,553,568	\$1,602,299	\$0	\$2,467,483	\$0	\$1,577,455	\$0	\$5,543,962	\$1,553,568	\$6,401,602	\$14,697,457											

ALL NUMBERS ARE ESTIMATES AND ARE SUBJECT TO CHANGE

All revenue figures are for calendar years, and already have DNR management fees deducted.

All Revenue:	\$0.00
Non-timber:	\$0.00
Com. Sites	
ROW/RUP	
LEASES	
SPECIAL FOREST PROD.	
Timber:	

CLALLAM COUNTY REVENUE PROJECTIONS FOR 2022 (ALL NUMBERS ARE ESTIMATES AND ARE SUBJECT TO CHANGE)																																	
SALES CURRENTLY UNDER CONTRACT.																																	
SALE NAME	CONTRACT NO.	SALE TYPE	SALE DATE	EXP. DATE	Total Volume	TOTAL VALUE	% COUNTY	Total Value to County	TAX DIST.		2018 TRANSFERS	2019 TRANSFERS	2020 TRANSFERS	2021 TRANSFERS	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		PROJECTED 4TH QUARTER	Yearly Total Wired	SALE TOTAL WIRE TO COUNTY	2023 under contract							
															Projected	Wired to County	Projected	Wired to County	Projected	Wired to County	Projected	Wired to County											
AGATE BAY CT	C3000096309	WEIGHT SCALE	6/13/2018	CLOSED	4,550	\$898,829	45.16%	\$304,433	153-100%		\$29,147	\$10,176	\$34,194	\$220,725	\$0	\$95	\$50	\$50	\$0	\$0	\$0	\$0	\$0	\$145	\$294,387	CLOSED							
PLEASANT PUSH	C3000096665	LUMP SUM	5/23/2018	CLOSED	6,042	\$2,131,406	71%	\$1,134,974	101- 15.55%		\$17,210	\$0	\$159,230	\$0	\$0	\$65	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$65	\$176,505	CLOSED							
									102- 84.45%		\$93,464	\$0	\$864,761	\$0	\$0	\$351	\$0	\$0	\$0	\$0	\$0	\$0	\$0										
PARK LINE	C3000097443	LUMP SUM	1/30/2019	CLOSED	3,373	\$602,200	0.86%	\$3,884	503-100%	N/A	\$3,021	\$863	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$351	\$958,576	CLOSED							
BOULDER DASH	C3000098722	LUMP SUM	8/28/2019	CLOSED	7202	\$924,000	55.74%	\$386,278	502-100%	N/A	N/A	\$21,416	\$331,474	\$0	\$0	N/A	\$0	\$0	\$33,388	\$33,389	\$0	\$0	\$0	\$33,389	\$386,279	\$0							
FOOT TRAIL	C3000097642	LUMP SUM	3/25/2020	CLOSED	6472	\$1,734,478	97.93%	\$1,273,931	101-100%	N/A	N/A	\$0	\$838,958	\$0	\$435,428	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0							
LONE SPRUCE	C3000091527	LUMP SUM	5/27/2020	CLOSED	3650	\$881,233.50	94.29%	\$623,186	502-100%	N/A	N/A	\$422,954	\$205,955	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$435,428	\$1,274,386	\$0							
KINGS SILVER	C3000100646	LUMP SUM	10/28/2020	CLOSED	3094	\$1,133,281	100.00%	\$849,961	202-100%	N/A	N/A	\$0	\$0	\$0	\$0	\$340,890	\$425,000	\$425,015	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0							
HOMEWARD	C3000101114	LUMP SUM	12/16/2020	CLOSED	4527	\$1,267,000	79.39%	\$754,403	502-5%	N/A	N/A	\$0	\$34,119	\$0	\$0	\$0	\$0	\$0	\$3,600	\$0	\$0	\$0	\$0	\$84,056	\$0	\$849,961	\$849,961	CLOSED					
									506-95%	N/A	N/A	\$0	\$648,285	\$0	\$0	\$0	\$0	\$0	\$68,399	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
									202-75%	N/A	N/A	\$0	\$80,864	\$0	\$0	N/A	\$0	\$14,907	\$0	\$164	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TEXAS SHOWDOWN SORTS	VARIOUS	SORT	2/24/2021	CLOSED	6055	\$2,667,956	6.13%	\$100,812	203-25%	N/A	N/A	N/A	\$26,955	\$0	\$0	\$0	\$4,969	\$0	\$55	\$0	\$55	\$0	\$0	\$0	\$15,071	\$95,935	\$0						
TOMAUDE	C3000100885	LUMP SUM	3/24/2021	CLOSED	1853	\$331,800	100.00%	\$248,850	302- 100%	N/A	N/A	N/A	\$142,127	\$0	\$83,491	\$23,232	\$23,232	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$106,723	\$248,850	CLOSED						
CLARK FLATS	C3000100651	LUMP SUM	5/26/2021	CLOSED	5645	\$1,718,846	78.57%	\$1,012,873	503- 100%	N/A	N/A	N/A	\$1,007,712	\$0	\$5,161	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,161	\$1,012,873	CLOSED						
GOLLY G	C300100648	LUMP SUM	5/26/2021	CLOSED	2862	\$909,328	100.00%	\$681,996	502- 100%	N/A	N/A	N/A	\$547,771	\$0	\$51,538	\$82,686	\$82,686	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$134,225	\$681,996	CLOSED						
WILLEY RIDGE	C3000098103	LUMP SUM	4/28/2021	10/31/2024	8797	\$630,000	12.54%	\$59,252	302- 100%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$59,252						
SPRUCE UP- EXTENDED	C3000098878	LUMP SUM	5/27/2020	1/31/2023	7672	\$1,922,487.00	14.52%	\$209,359	502-100%	N/A	N/A	\$1,088	\$66,244	\$0	\$55,508	\$26,000	\$26,121	\$39,619	\$34,751	\$0	\$49	\$0	\$0	\$0	\$0	\$0	\$0						
WHISKY CK. LIMIT-EXTENDED	C3000099241	LUMP SUM	8/26/2020	10/31/2023	9692	\$2,710,419.57	70.56%	\$1,434,354	102-9.05%	N/A	N/A	\$5,883	\$17,647	\$0	\$7,829	\$0	\$0	\$42,734	\$0	\$0	\$81,778	\$0	\$89,607	\$113,137	\$16,671	\$25,597							
SOUTH CHICAGO-EXTENDED	C3000099255	LUMP SUM	6/17/2020	4/30/2023	8984	\$1,602,720.00	95.70%	\$1,150,352	153-100%	N/A	N/A	\$0	\$529,853	\$0	\$76,962	\$75,000	\$62,766	\$200,000	\$175,050	\$0	\$85,071	\$0	\$399,849	\$929,702	\$220,651								
									102-43.24%	N/A	N/A	\$0	\$97,410	\$0	\$50,385	\$23,782	\$0	\$24,142	\$0	\$46,827	\$26,871	\$46,827	\$77,256	\$174,666	\$24,610								
FLUTTERBY	C3000099655	LUMP SUM	10/28/2020	12/31/2022	3282	\$1,005,001.00	75.51%	\$569,157	153-56.76%	N/A	N/A	\$0	\$127,868	\$0	\$66,138	\$31,218	\$0	\$31,691	\$0	\$61,468	\$35,274	\$61,468	\$101,412	\$229,280	\$32,305								
GOOD GOLLY-EXTENDED	C30000100647	LUMP SUM	12/16/2020	4/15/2023	6554	\$1,936,148	9.41%	\$136,644	502-100%	N/A	N/A	N/A	\$42,181	\$0	\$9,588	\$23,560	\$23,560	\$25,000	\$17,122	\$0	\$32,169	\$0	\$82,440	\$124,621	\$12,023								
SALTY VIEW	C3000100653	LUMP SUM	2/24/2021	10/31/2023	8628	\$2,387,841	85.02%	\$1,522,607	151-10.47%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$26,175	\$31,380	\$0	\$18,504	\$0	\$49,884	\$49,884	\$109,533								
									102-19.51%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$48,775	\$58,474	\$0	\$34,481	\$0	\$92,955	\$92,955	\$204,106					
									153-70.01%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$175,025	\$209,858	\$0	\$123,751	\$0	\$333,609	\$333,609	\$732,521						
SOLDUCKING	C3000100655	LUMP SUM	12/15/2021	10/31/2023	4902	\$1,276,717.67	40.39%	\$386,750	502-100%	N/A	N/A	N/A	N/A	\$0	\$14,640	\$235,000	\$234,914	\$0	\$20,431	\$0	\$79,382	\$0	\$349,367	\$349,367	\$37,383								
SHU TYE-EXTENDED	C3000100656	LUMP SUM	6/16/2021	1/31/2023	1787	\$265,888	32.37%	\$64,551	502-76%	N/A	N/A	N/A	N/A	\$0	\$34,519	\$0	\$0	\$14,540	\$0	\$0	\$10,651	\$0	\$45,170	\$45,170	\$3,890								
									503- 24%	N/A	N/A	N/A	N/A	\$0	\$10,901	\$0	\$0	\$4,591	\$0	\$0	\$3,363	\$0	\$14,264	\$14,264	\$1,228								
CENTER 21 THIN	C3000100662	WEIGHT SCALE	12/15/2021	10/31/2024	4652	\$707,187.32	30.00%	\$159,117	202-100%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$10,970	\$0	\$26,447	\$0	\$37,416	\$37,416	\$121,701								
FOR WHAT IT'S WORTH	C3000100852	LUMP SUM	1/27/2021	9/30/2023	5100	\$1,188,166	22.12%	\$197,117	502-100%	N/A	N/A	N/A	\$28,824	\$0	\$0	\$85,000	\$105,689	\$42,604	\$0	\$0	\$0	\$0	\$105,689	\$134,513	\$62,604								
OVER UNDER	C3000102019	LUMP SUM	1/26/2022	10/31/2023	2889	\$1,067,127	100%	\$800,345	503-100%	N/A	N/A	N/A	N/A	\$0	\$0	\$159,000	\$222,398	\$0	\$477,781	\$0	\$22,419	\$0	\$722,598	\$722,598	\$77,747								
BLACK DIAMOND	C3000102024	LUMP SUM	11/30/2021	10/31/2023	5469	\$2,449,393.48	100.00%	\$1,837,045	101-55.17%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$241,093	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,013,498						
									102-44.83%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$195,907	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
TYEE RIDGE	C3000102262	LUMP SUM	6/15/2022	10/31/2023	4720	\$1,158,001	91%	\$790,336	503-100%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$823,547						
TREES A CROWD VDT	C3000102250	WIEIGHT SCALE	6/15/2022	10/31/2025	3639	\$781,989	89%	\$521,978	102-33%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$790,336					
									202-34%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$173,992
									153-33%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OUTFIELD	C3000102802	LUMP SUM	5/25/2022	10/31/2024	5559	\$1,827,170	98%	\$1,342,970	502-78.83%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$173,992						
STRIPED FLY	C3000102915	LUMP SUM	4/27/2022	10/31/2022	469	\$115,000	100%	\$86,250	506-21.17%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$143,600	\$0	\$143,600	\$143,600	\$915,063								
									153-100%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
RIO	C3000103161	LUMP SUM	8/24/2022	10/31/2024	1898	\$905,490	100%	\$679,117	101-80%	N/A	N/A	N/A	N/A	\$0	\$0	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0					
									102-20%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$543,294
									102-75%	N/A	N/A	N/A	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALDWELL	C3000102251	LUMP SUM	10/26/2022	10/31/2024	5899	\$2,918,000	100%	\$2,188,500	151-5%	N/A	N/A	N/A	N/A	\$0	\$0	N/A	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$109,425					
									152-20%	N/A	N/A	N/A	N/A	\$0	\$0	\$85,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0</	

ALL NUMBERS ARE ESTIMATES AND ARE SUBJECT TO CHANGE
All revenue figures are for calendar years, and already have DNR management fees deducted.

	2022
All Revenue:	\$5,823,301.28
Non-timber:	\$461,198.17
Com. Sites	\$384,332.25
ROW/RUP	\$50,069.98
LEASES	\$14,712.29
SPECIAL FOREST PROD.	\$12,083.65
Timber:	\$5,362,103.11