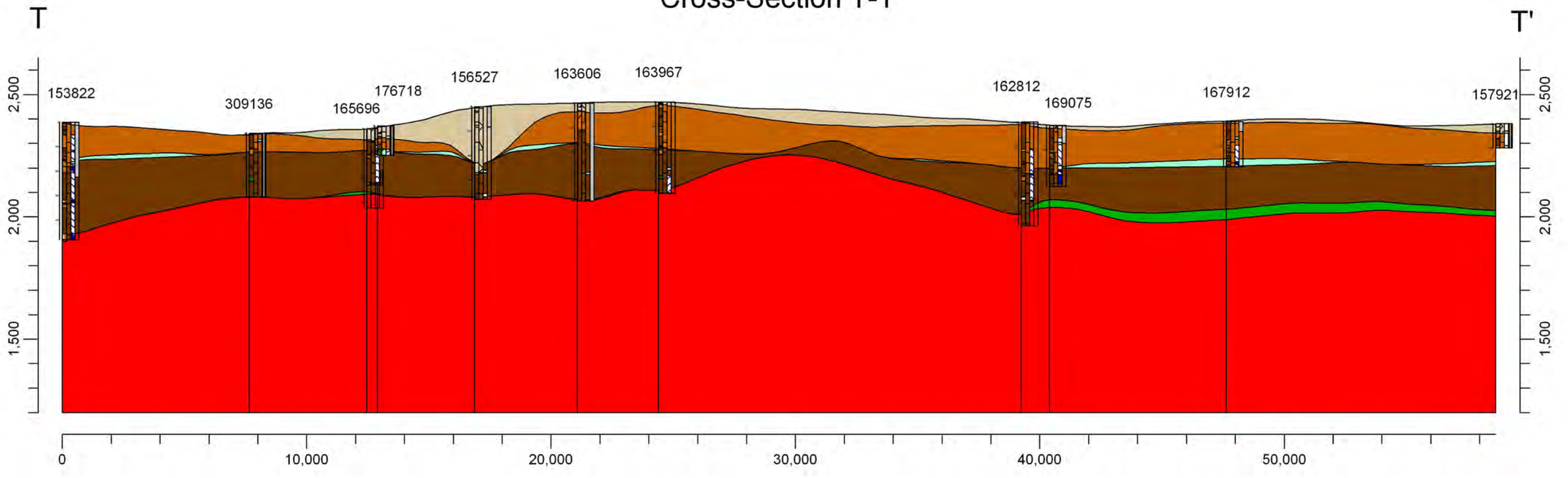
Cross-Section T-T'



Lithology Key

- 10-basalt, fractured
- 11-basalt, medium
- 12-basalt, soft or decomposed
- 13-basalt, porous or vesicular
- 14-basalt w/clay or shale
- 15-sand, interbed
- 16-clay, interbed
- 17-gravel, interbed
- 18-sand and gravel, interbed
- 19-sand, gravel, clay, interbed
- 1-soil or overburden
- 20-clay, sand, interbed
- 21-basement rock
- 2-sand, unconsolidated
- 3-gravel, unconsolidated
- 4-clay, unconsolidated
- 5-sand and gravel, unconsolidated
- 6-basalt debris, unconsolidated
- 7-sand, gravel, and clay, unconsolidated
- 8-sand and clay, unconsolidated
- 9-basalt, hard

Stratigraphy Key

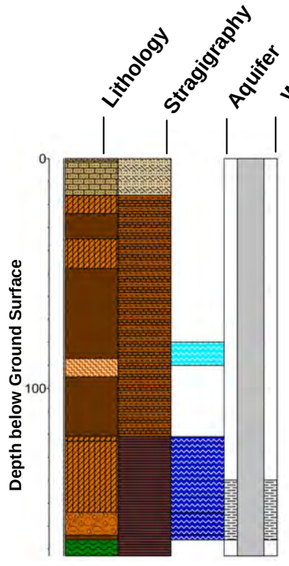
- unconsolidated
- basalt-Wanapum
- Latah I
- basalt-Grande Ronde
- Latah II
- basement

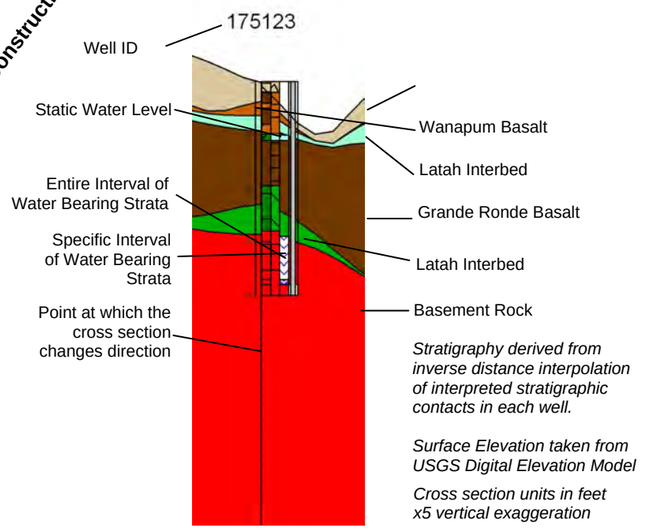
Aquifer Key

- static water level
- upper sand and gravel
- basalt
- basement

Well Construction Key

- casing
- perforations
- screen

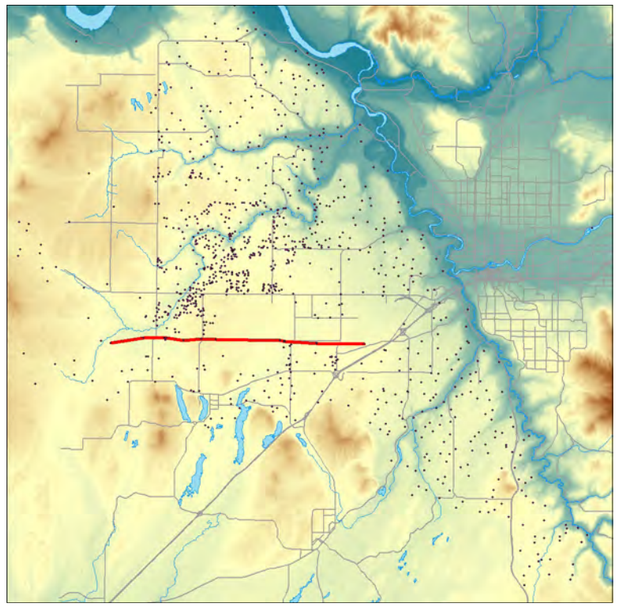




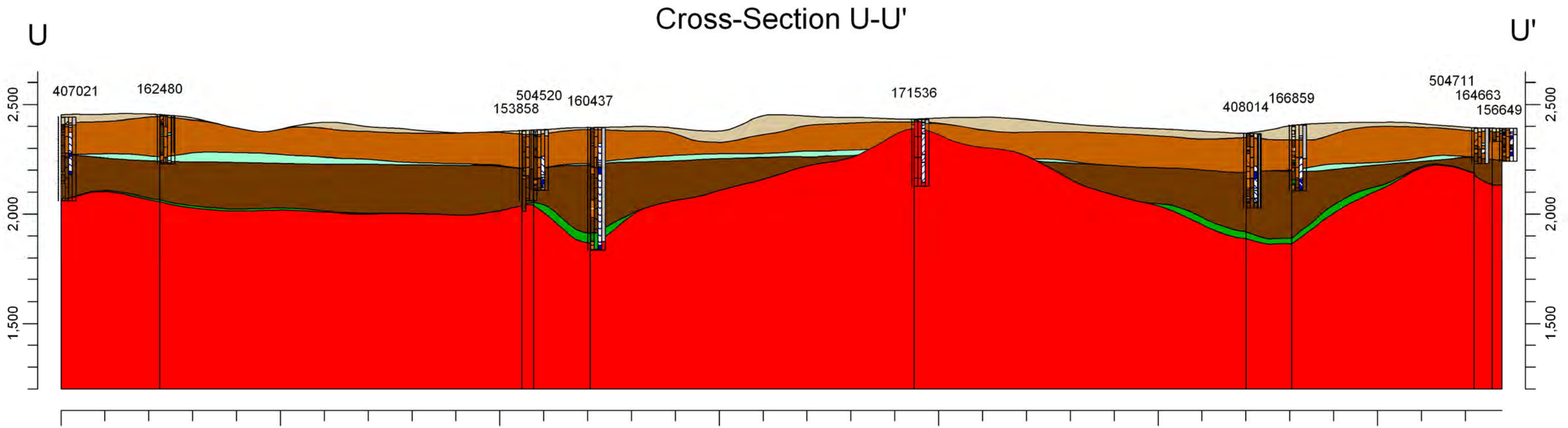
Stratigraphy derived from inverse distance interpolation of interpreted stratigraphic contacts in each well.

Surface Elevation taken from USGS Digital Elevation Model

Cross section units in feet x5 vertical exaggeration



Cross-Section U-U'



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- 18-sand and gravel, interbed
- 19-sand, gravel, clay, interbed
- 1-soil or overburden
- 20-clay, sand, interbed
- 21-basement rock
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- 3-gravel, unconsolidated
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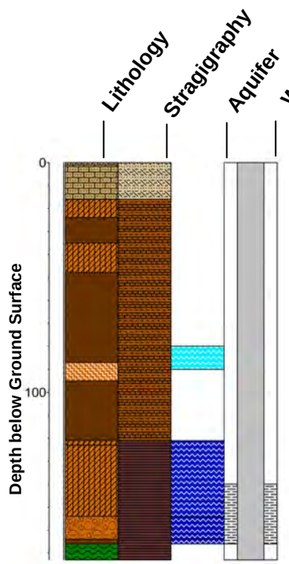
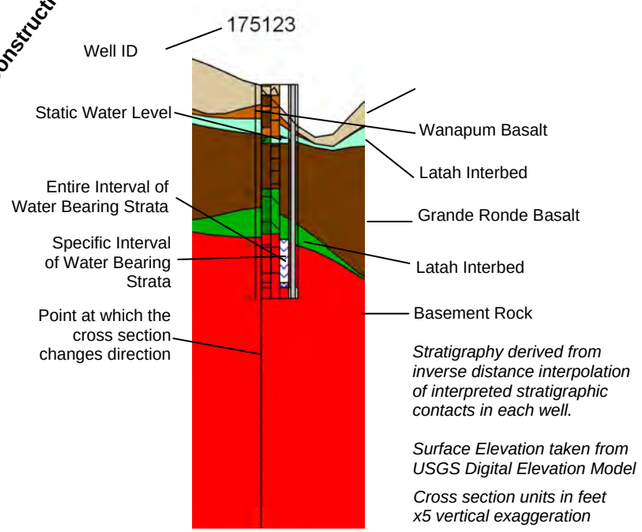
Well Construction Key

- casing
- perforations
- screen





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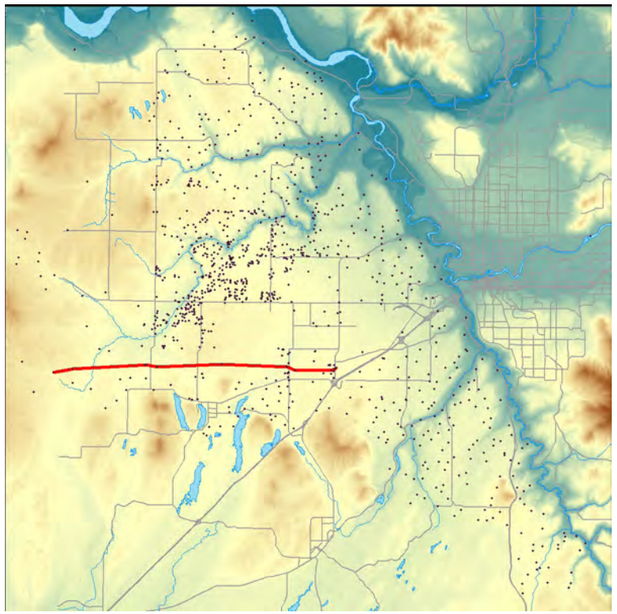
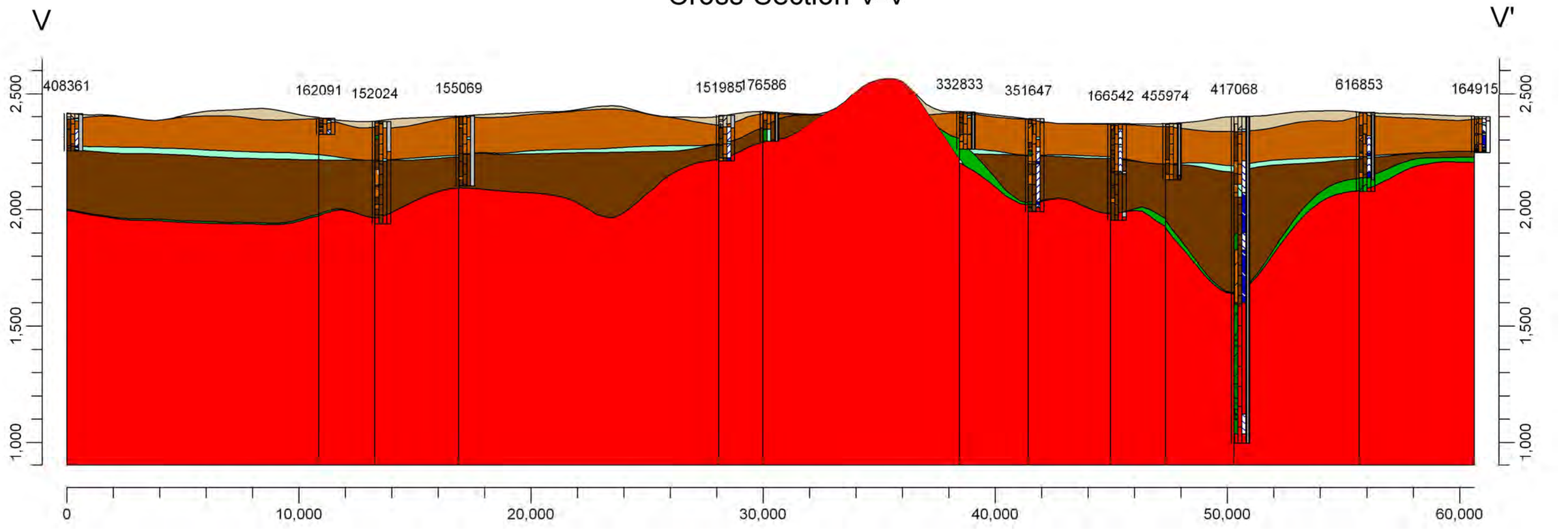
Cross section units in feet x5 vertical exaggeration



Cross-Section V-V'



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- basalt
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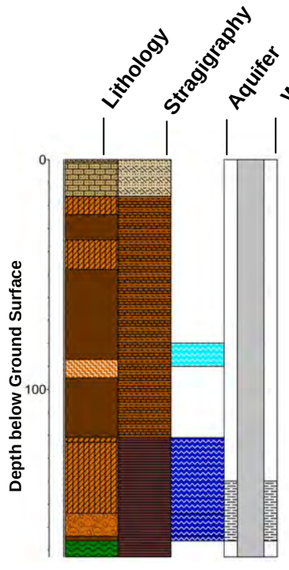

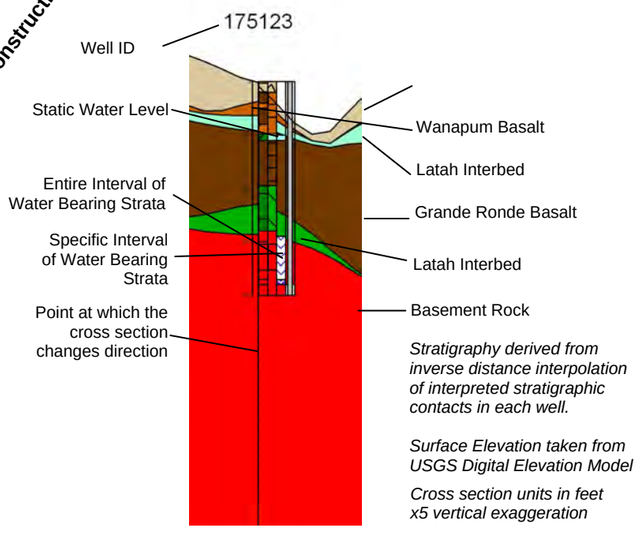

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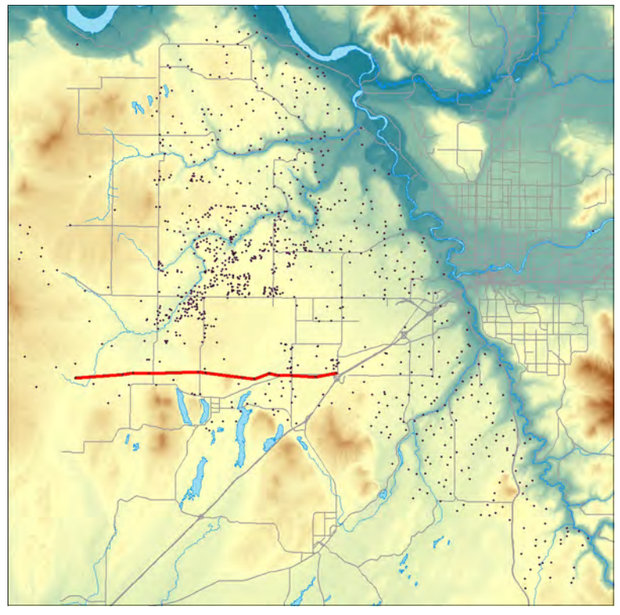


GSI Job No.: 6892
Issued: 13 August 2024

SITE ASSESSMENT REPORT
Spokane International Airport
Spokane, WA

APPENDIX B

Historical Reports

GSI Job No.: 6892
Issued: 13 August 2024

SITE ASSESSMENT REPORT

Spokane International Airport
Spokane, WA

APPENDIX B.1

Fairchild Airforce Base, Perpetual Flowage Document (provided by Fairchild Airforce Base on 12 June 2024)

Base Tract E

FEDERAL COMMUNICATIONS COMMISSION
PERMIT TO OTHER FEDERAL GOVERNMENT DEPARTMENT OR
AGENCY TO USE PROPERTY ON

A parcel of land in the west half of Government Lot 12, Section 2, Township 24 North, Range 41 East of the Willamette Meridian, Spokane County, Washington, described as beginning at a point which is 466.69 feet south and 30.00 feet east of the northwest corner of said Government Lot 12; thence east 466.69 feet; thence south 183.31 feet; thence east 164.43 feet; thence south 677.00 feet; thence west 631.12 feet; thence north in the west right-of-way line of Craig Road 860.31 feet to the point of beginning, containing 11.62 acres, more or less.

The United States Air Force is hereby granted permission to employ the described property as part of an industrial and storm drainage outfall from Fairchild Air Force Base as shown substantially in red on Exhibit "A", attached hereto and made a part hereof.

THIS PERMIT is granted subject to the following provisions and conditions:

1. That the use and occupation of the said premises shall be without cost or expense to the FCC, under the general supervision and subject to the approval of the officer having immediate jurisdiction over the premises, and subject also to such rules and regulations as he may from time to time prescribe.

2. That the permittee shall, at its own expense and without cost or expense to the FCC, maintain and keep in good repair and condition, including the control of noxious weeds, the premises herein authorized to be used insofar as it may legally do so.

3. That any interference with or damage to property under control of the FCC incident to the exercise of the privileges herein granted shall be promptly corrected by the permittee to the satisfaction of the said officer.

4. That no additions to or alterations of the premises shall be made without the prior consent of the said officer.

5. In the event flowage from the outfall, except that occuring during the spring run-off, shall approach the direction finding

equipment by a distance less than 500 feet the permittee shall take immediate steps to direct flowage to a greater distance from the Commission's equipment by constructing at the permittee's expense, dams, drainage ditches or other devices to prevent encroachment of flowage closer than 500 feet to the Commission's equipment, provided however, that no part of the construction shall be of a nature that will interfere with the Commission's monitoring or direction finding activities, and no pipes or conduits shall be installed on the property without the approval of the officer in charge of the property.

6. This agreement, with the rights and privileges herein granted, shall be subject to cancellation or termination only by mutual agreement of the parties, or in the event the terms and conditions hereof are not fulfilled, or in the event the Air Force abandons the use of the premises for the purposes herein granted. In either of the latter two events, cancellations may be effected by either party hereto upon thirty (30) days' written notice to the other; and upon the expiration of said thirty (30) days after service of such notice, this agreement and the rights and privileges hereby granted, as well as the obligations hereby imposed upon the parties, shall absolutely cease and determine. All obligations requiring expenditures of funds shall be subject to the availability of legal appropriations therefor.

ACCEPTED FOR THE UNITED STATES AIR FORCE

By: Gerald B. Fauth
Contracting Officer

U.S. Army Engineer District, Seattle
Corps of Engineers

Dated: 16 March 1959

ACCEPTED FOR THE FEDERAL COMMUNICATIONS COMMISSION

By: John L. Ingle

FEB 9 1983

George Gregory Moen, Chief
Real Estate Division
Seattle District, Corps of Engineers
P.O. Box C-3755
Seattle, WA 98124

Dear Mr. Moen:

This letter amends our letter of December 7, 1982, concerning the value of the 39.41 acre FCC Spokane Monitoring Station, Spokane County, Washington, GSA Control Number Z-Wash-890.

Prior to reporting the property excess, the Federal Communications Commission issued a permit to the Air Force for use of 11.62 acres of the FCC Monitoring Station as a storm drain outfall and the property was reported to GSA subject to this permit. The fair market value of the flowage easement quoted in our letter of December 7, 1982, was $78,800 based on an easement over the entire tract. Inasmuch as the Permit covering the 11.62 acres existed prior to reporting the property excess, the Air Force requires a flowage easement only over the remaining 27.79 acres.

We have recently been advised that Spokane County has a requirement to make a minor realignment of Craig Road near the northwest corner of the property. This change encompasses a triangular area at the extreme northwest corner bordering the easterly right-of-way of Craig Road extending easterly from Craig Road 170 feet and southerly along the east right-of-way of Craig Road about 450 feet encompassing approximately 0.88-acre. (See attached drawing). This conveyance to the County would not be subject to the flowage easement, however, the County will be required as a condition of the conveyance to take any necessary precautior to protect the integrity of the Air Force's outfall system including rerouting of any ditch or tile network in order to provide continuity of storm water flow onto the property. With the County being required to comply with the above conditions we do not anticipate any adverse impact on the use of the remaining 38.53 acres by the Air Force.

The fair market value for a flowage easement covering 26.91 acres (38.53 acres less the 11.62 acres already under permit to the Air Force) has been determined to be $53,800. The flowage easement description will encompass the 38.53 acres.

Please submit to this office within 30 days from date of this letter, a completed GSA Form 1431 requesting transfer of the property indicating that funds are available for reimbursement. Upon receipt of the Request for Transfer, we will request that our Finance Division prepare and forward to you Standard Form 1081 in the amount of $53,800 for your execution. Upon completion of the transfer of funds, we will prepare the easement transfer document.

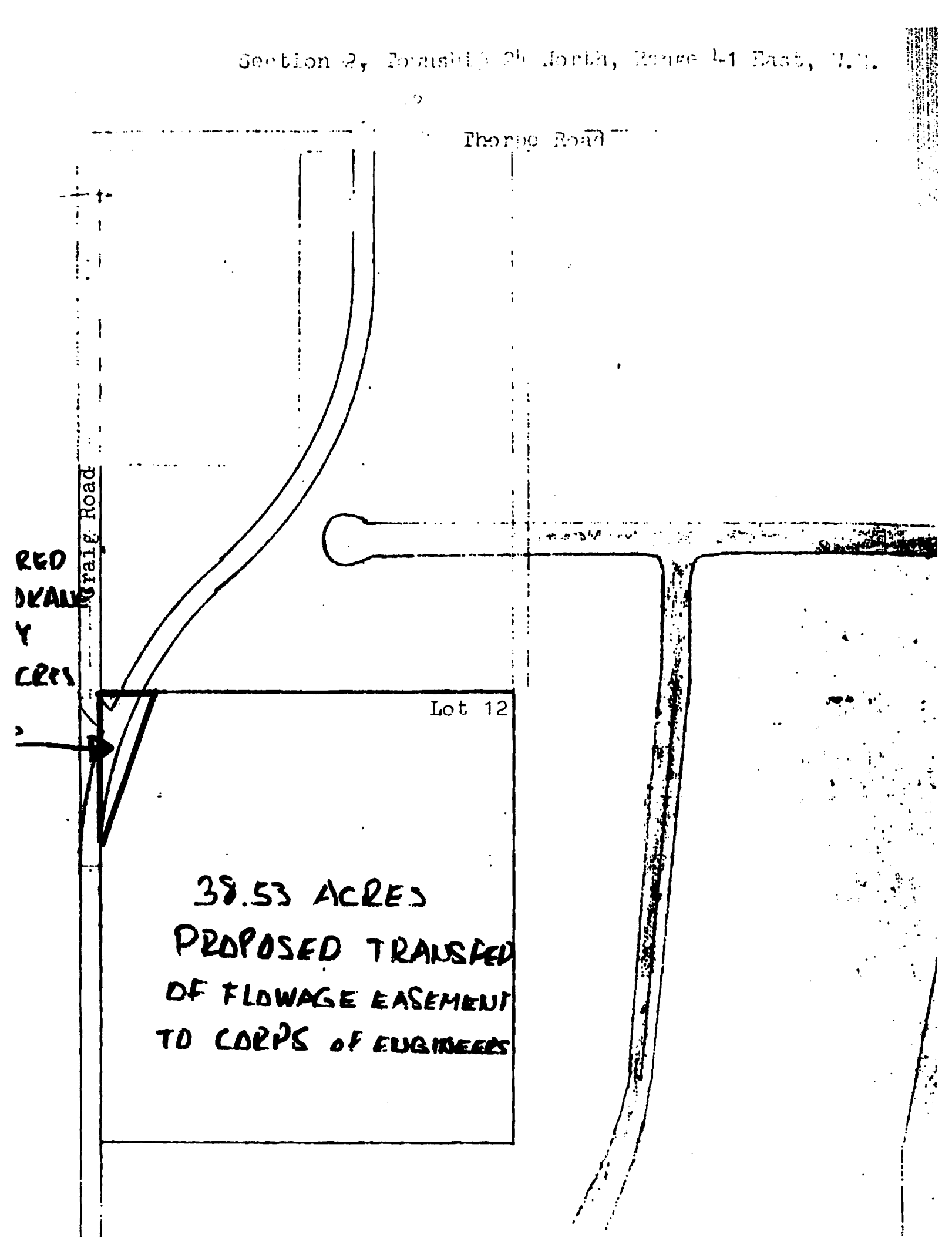
If you have any questions, please let us know.

Sincerely,

James R. Clay

JAMES R. CLAY
Acting Assistant Chief
Disposal Branch
Real Estate Division

Section 2, Township 2N North, Range 4-1 East, W.M.



REQUEST FOR TRANSFER OF EXCESS REAL AND RELATED PERSONAL PROPERTY

1. GSA CONTROL NO. Z-Wash-890
2. DATE OF REQUEST
PAGE 1 OF 2 PAGES

THIS BLOCK FOR USE BY AGENCY RECEIVING REQUEST
DATE REQUEST RECEIVED
HOLDING AGENCY NO. (If any)
ACQUISITION COST $
APPRAISED FAIR MARKET VALUE $
REIMBURSEMENT $

3. TO (Name, address and ZIP Code of agency being requested to transfer the property)

General Services Administration
Region 10
Auburn, Washington 98002

4. FROM (Name, address and ZIP Code of agency requesting transfer of the property)

Commander
U. S. Army Corps of Engineers
Seattle District
P. O. Box C-3755
Seattle, Washington 98124

5. REQUESTING AGENCY'S REPRESENTATIVE TO BE CONTACTED FOR FURTHER INFORMATION (Name, address and ZIP Code)

Linda B. Vert
Real Estate Division
Seattle, Dist. C. of E.
P O Box C-3755, Seattle, WA 98124

6. PROPERTY IDENTIFICATION AND ADDRESS (Include ZIP Code)

Federal Communications Commission Monitoring Stat:
Craig Road
Spokane, Washington

REAL PROPERTY REQUESTED

A. STRUCTURES

USE (a)	NUMBER OF BUILDINGS (b)	FLOOR AREA (Sq. Ft.) (c)
1) OFFICE		
2) STORAGE		
3) OTHER (Specify)		
4) TOTAL		

B. LAND

GOVERNMENT'S INTEREST (a)	AREA (Acres or Sq. Ft.) (b)
(1) FEE	
(2) LEASED	
(3) OTHER (Specify) Easement	39.41
(4) TOTAL	39.41

C. UTILITIES

None

7. RELATED PERSONAL PROPERTY REQUESTED

None

9. ARE FUNDS AVAILABLE FOR REIMBURSEMENT FOR THE TRANSFER OF THIS PROPERTY?

[X] YES [ ] NO

10. CERTIFICATION

Certification is hereby made that this agency has a need for the property identified above to carry on an approved program; that he transfer thereof to this agency for the purposes indicated would be in accord with the intent of the Congress with respect to tha rogram; that the requirement cannot be satisfied by better use of this agency's existing property; and that the proposed land use i consistent with FPMR 101-47.201-1 and 201-2. The statement of justification under block 11 below for the transfer of the property equested is complete and accurate.

SIGNATURE	TITLE	DATE
George Gregory Moen GEORGE GREGORY MOEN	Chief, Real Estate Division Seattle District, Corps of Engineers	4 NOV 1993

11. STATEMENT OF JUSTIFICATION (This statement must include data with respect to all factors covered in FPMR 101-47.4904-1(c) Block 11, Instructions for Preparation of GSA Form 1334).

Transfer is requested pursuant to Title 40, United States Code, Section 483. The easement is required for storm and industrial drainage overflow from Fairchild Air Force Base. The Air Force has had a permit from the Federal Communications Commissior for overflow over 11.62 acres of the requested easement since March 1959.

A copy of the acquisition authorization is attached. This acquisition is authorized under the provisions of 10 USC 2672.

There is no other available property in the area suitable for the overflow area.

An estimate of the probable value of the 39.41 acres of easement is $55,000.00.

(If required, use an additional sx10¼ shee

Continued use of the property will continue to be compatible with state, regional and local agencies program. The property is not eligible for listing on the National Register of Historic Places.

A legal description, drawing and flowage easement estate are attached for your reference.

FAIRCHILD AIR FORCE BASE, WA
Perpetual Flowage Easement

Tract M
(39.41 ac ±)

LEGAL DESCRIPTION

All of Government Lot 12, Section 2, Township 24 north, Range 41 east, Willamette Meridian, Spokane County, Washington, lying easterly of the public road right-of-way running along the west boundary of said lot.

Contains 39.41 acres, more or less.

Written by: DJD 12 Sep 83
Chkd by: EHL 12 Sep 83
Prfd by: DJD 16 Sep 83
Rev by: DJD 31 Oct 83
Prfd by: DJD 3 Nov 83
WANG: 0342P

E S T A T E

The estate hereby conveyed is the perpetual right, power, privilege and easement in, upon, over and across all of Government Lot 12, Section 2, Township 24 north, Range 41 east, Willamette Meridian, Spokane County, Washington, lying easterly of the public road right-of-way running along the west boundary of said lot, for the purposes set forth below:

(a) Permanently or intermittently to overflow, flood and submerge the lands with waters and industrial waste from Fairchild Air Force Base, Spokane County, Washington, together with the permanent right, power and privilege to enter upon said lands to inspect and improve water flow conditions and to remov any natural or artificial obstructions, which in the opinion of the representative of the United States in charge may be detrimental to the operation and maintena of the project, including underbrush or debris, as may be necessary from time to time, and to clear, improve and maintain existing water courses, streams and drainage channels.

(b) The permanent right, power and privilege to enter upon said lands for the purpose of constructing, maintaining, operating and patrolling any necessa drainage structures or appurtenances.

(c) The permanent right, power and privilege to prohibit construction or maintenance of structures for human habitation on said lands.

(d) All rights and privileges which may be used or enjoyed without interfe with or abridging the rights and easements hereby acquired are specifically reserved to the Grantors, their heirs and assigns.

WORK ORDER/COMPLETION REPORT

(NO CARBON REQUIRED)

DISTRICT: SEATTLE

APPROPRIATION: 733300 377-6725 P351 MCAF(BAAN 83-6725)

PROJECT: Fairchild AFB,WA

CLASS OF WORK: Military Construction, Air Force
Fairchild AFB (SAC), WA

ORIGINAL ESTIMATE — DATE: 20Mar84 — AMOUNT: $55,000.00

DATE WORK IS TO START: 20 Mar 84

ESTIMATED COMPLETION DATE:

METHOD OF WORK: XX CONTRACT ☐ HIRED LABOR

BASIS FOR ORDER: ☒ JOB ☐ FISCAL YEAR

TYPE OF ESTIMATE: X ORIGINAL ☐ REVISED

FEATURE AND SUB-FEATURE NR: KA3 DND 3000 30006

ACCOUNT NUMBER	DESCRIPTION OF WORK	ESTIMATED TOTAL QUANTITIES	ESTIMATED TOTAL COST	ESTIMATED UNIT COST	ACTUAL TOTAL QUANTITIES	ACTUAL TOTAL COST	ACTUAL UNIT COST
	Land Acquisition		$55,000.00				
	TOTALS		$55,000.00				

ENTERED BY: [signature]
PATRICIA M. DICE, Ch, P&C Br, RE Div — 3/21/84
(NAME) (ORGANIZATION UNIT) (DATE)

FUNDS FOR THIS WORK ARE AVAILABLE
CHARLES WILSON, Ch, F&A Br
(NAME) (OFFICE OF THE COMPTROLLER) (DATE)

WORK IS INCLUDED IN THE APPROVED PROGRAM
JOHN LEONARD, Ch, Budget Br
(NAME) (BUDGET & PROGRAM BRANCH) (DATE)

APPROVED
GEORGE GREGORY MOEN, Ch, RE Div
(DISTRICT ENGINEER, CORPS OF ENGINEERS) (DATE)

WORK DESCRIBED ABOVE HAS BEEN COMPLETED

DATE COMPLETED

AMOUNTS REPORTED ABOVE AS ACTUAL COSTS ARE REFLECTED IN THE COST ACCOUNTS AS OF THIS DATE

BETWEEN APPROPRIATIONS AND/OR FUNDS

SCHEDULE NO. DEC 2 8 1983

BILL NO.

PAID BY

tment, establishment bureau, or office billing

eneral Services Administration
.nance Division-Accounts Receivable 9BCR

tment, establishment, bureau, or office billed

• U.S. ARMY CORPS OF ENGINEERS •
Seattle District
P.O. Box C-3755
SEATTLE, WA. 98124

P084-159

t NO.	DATE OF DELIVERY	ARTICLES OR SERVICES	QUANTITY	UNIT PRICE COST	UNIT PRICE PER	AMOUNT DOLLARS AND CENTS
		Transfer of a permanent flowage easement over approximately 0.88 acre of the former Spokane FCC Monitoring Station. GSA Control No. Z-WASH-890				1,200.00
					TOTAL,	$1,200.00

ance in payment hereof should be sent to—

eneral Services Administration
inance Division Accounts Receivable Branch 9BCR
25 Market Street, San Francisco, Ca. 94105

ACCOUNTING CLASSIFICATION—*Billing Office*

7 0952 114.1/409.1

2 0952 303.5/114.1

CERTIFICATE OF OFFICE BILLED

I certify that the above articles were received and accepted or the services performed as stated and should be charged to the propriation(s) and/or fund(s) as indicated below; or that the advance payment requested is approved and should be paid as licated.

March 1984
(Date)

George Gregory Moen
(Authorized administrative or certifying officer)

GEORGE GREGORY MOEN, Chief, Real Estate Division
(Title)

ACCOUNTING CLASSIFICATION—*Office Billed*

Check No.

Department, establishment, bureau, or office billing
G.S.A. , Finance Div., Accts. Receivable Branch
9BCR, 525 Market Street, San Francisco, Ca. 94105

BILL NO.
1AR84110

PAID BY

Department, establishment, bureau, or office billed

U.S. ARMY CORPS OF ENGINEERS
Seatle District
P.O. Box C-3755
Seatle, Wa. 98124

PO84 - 108

ORDER NO.	DATE OF DELIVERY	ARTICLES OR SERVICES	QUANTITY	UNIT PRICE COST	UNIT PRICE PER	AMOUNT DOLLARS AND CEN
		Payment of FMV for transfer of a permanent flowage easement over +38.53 acres of the former Spokane FCC Monitoring Station G.S.A. Control No. Z-WASH-890				$53,800.00
					TOTAL,	$53,800.00

Remittance in payment hereof should be sent to—
G.S.A. , Finance Division
Accounts Receivable Branch 9BCR
525 Market Street, San Francisco, Ca. 94105

ACCOUNTING CLASSIFICATION—*Billing Office*

J7 0951 114.1/409.1.

C2 0951 303.5/114.1

CERTIFICATE OF OFFICE BILLED

I certify that the above articles were received and accepted or the services performed as stated and should be charged to th appropriation(s) and/or fund(s) as indicated below; or that the advance payment requested is approved and should be paid indicated.

22 March 1984
(Date)

(Authorized administrative or certifying officer)
GEORGE GREGORY HOKE, Chief, Real Estate Div.
(Title)

ACCOUNTING CLASSIFICATION—*Office Billed*

Paid by Check No.

ENCE OR OFFICE SYMBOL	SUBJECT
E-AQ	Request for Check - Payment of Permanent Easement over +38 and 0.88 acres - Spokane FCC Monitoring Station

RU: NPSF-Property Br
Attn: Barbara Schlosser

FROM Ch, Real Estate Div DATE 23 March 1984 CMT
VERT/ds/3666

: ~~NPDF~~
NPPDC-F

It is requested a check for $55,000.00 be forwarded to General Services Administratio
nce Division, Accounts Receivable Branch 9BCR, 525 Market Street, San Francisco, CA 9
vouchers attached. Please advise us when check has been mailed.

The work order for this acquisition and ENG Form 4480 are also enclosed.

cl

George Gregory Moen
GEORGE GREGORY MOEN
Chief, Real Estate Division

APR 6 1984

Mailed 6 Sept 84

Pauline Morgan

PAULINE MORGAN, NPPDC-F-D
CHIEF, DISBURSING SECTION
221-6962

MAY 11 1984

Mr. George Gregory Moen
Chief, Real Estate Division
Seattle District, Corps of Engineers
P.O. Box C-3755
Seattle, WA 98124

Dear Mr. Moen:

Your letter of November 7, 1983, requested transfer of a permanent flowage easement over 39.41 acres at the former FCC Monitoring Station, Spokane County, Washington. Reimbursement in the amount of $55,000.00 has been received from your agency.

Pursuant to the authority delegated under the Federal Property and Administrativ Services Act of 1949, 63 Stat. 377, as amended, such an easement over the proper is hereby transferred to the Department of the Air Force subject to compliance with the provisions of the National Environmental Policy Act of 1969, including the preparation of an environmental impact statement, if necessary, and the Flood Disaster Protection Act of 1973. The legal description of the property rights transferred is enclosed as Exhibit A.

In order to expedite the transfer of this property, we are recommending the Federal Communications Commission take action to transfer custody and accountabi lity of the property to your agency effective 12:01 a.m., June 15, 1984. If for any reason you cannot accept custody and accountability as of that date, please advise us no later than May 30, 1984.

Mr. Charles D. Ferris, Chairman, Federal Communications Commission, Field Operati Bureau, 1919 M. Street NW, Washington, DC 20554 (telephone FTS 632-7593), will act on behalf of that agency in transferring custody and accountability of the property. A copy of our letter of this date to the FCC authorizing the transfer of custody and accountability is enclosed for your file.

Please sign and return the enclosed copy of this letter acknowledging receipt of this communication. If we may be of further assistance in accomplishing the transfer, please let me know.

Sincerely,

KENNETH E. LINDEBAK
Director
Disposal Division
Office of Public Buildings and Real Property

Enclosures

Original received and concurred in:

George Gregory Moen
Name

GEORGE GREGORY MOEN
Chief, Real Estate Division
Title Seattle District, Corps of Engin

DEPARTMENT OF THE ARMY
SEATTLE DISTRICT, CORPS OF ENGINEERS
P.O. BOX C-3755
SEATTLE, WASHINGTON 98124

REPLY TO
ATTENTION OF

May 22, 1984

Real Estate Division
Acquisition Branch

Kenneth E. Lindebak, Director
Disposal Division
Office of Public Buildings and Real Property
General Services Administration, Region 10
GSA Center
Auburn, Washington 98002

Dear Mr. Lindebak:

Enclosed as requested is the executed copy of your letter of May 1[illegible] 19[illegible] acknowledging receipt thereof. Thank you for your cooperation and assiance

Sincerely,

George Gregory Moen
Chief, Real Estate Division

Enclosure

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON

MAY 30 1984

OFFICE OF
MANAGING DIRECTOR

Mr. George Gregory Moen
Chief, Real Estate Division
Seattle District, Corps of Engineers
P.O. Box C-3755
Seattle, Washington 98124

Dear Mr. Moen:

The purpose of this letter is to transfer the custody and accountability of a permanent flowage easement over 39.41 acres of the former Federal Communications Commission Monitoring Station, Spokane County, Washington. The legal description of the property rights is enclosed. If you agree to accept the custody and accountability of this property, effective 12:01 a.m., June 15, 1984, please sign at the space indicated below and return it to me. I will use this as the document GSA requested in their letter of May 11, 1984, showing the transfer of the above property.

Sincerely,

Alan R. Mickê

Edward J. Minkel
Managing Director

Enclosure

I accept the custody and accountability of the above property effective 12:01 a.m., June 15, 1984.

George Gregory Moen

NAME

GEORGE GREGORY MOEN
Chief, Real Estate Division
Seattle District, Corps of Engineers

TITLE

7 JUN 1984

DATE

JUN 14 1984

Acquisition Branch

Mr. Edward J. Minkel, Managing Director
Federal Communications Commission
Room 316, Brown Building
1200 - 19th Street Northwest
Washington, D. C. 20554

Dear Mr. Minkel:

Enclosed as requested is acceptance of custody and accountability of permanent flowage easement over 39.41 acres of the former Federal Communications Commission Monitoring Station, Spokane County, Washington.

Sincerely,

Enclosure

GEORGE GREGORY MOEN
Chief, Real Estate Division

Copy furnished:
P&C Branch, Historical Files, w/encl
F&A Branch, Property & Accounting

QUITCLAIM DEED 8502220140

The UNITED STATES OF AMERICA, acting by and through the Administrator of General Services under and pursuant to the powers and authority contained in applicable provisions of the Federal Property and Administrative Services Act of 1949, 63 Stat. 377, as amended, and regulations and orders promulgated thereunder, (hereinafter referred to as "Grantor"), for a monetary consideration of FIFTY TWO THOUSAND DOLLARS ($52,000), and other valuable consideration, does hereby convey and quitclaim to WILLIAM J. HOUK, as his separate property, (hereinafter referred to as "Grantee"), his successors and assigns, all of Grantor's right, title and interest in and to the following described property (hereinafter referred to as "Property") situated in Spokane County, State of Washington.

Parcel B

Lot 12, Section 2, Township 24 North, Range 41 East, Willamette Meridian, Spokane County, Washington, EXCEPT a parcel of land identified as Beginning at the northwest corner of Lot 12 said Section, Township and Range thence easterly in the north line of said Lot 12 200 feet; thence southwesterly to a point on the west line of Lot 12 which point lies 550 feet south of the northwest corner of said Lot 12; thence north along the west line of Lot 12 550 feet to the point of beginning.

RESERVING TO the United States of America and its assigns the right to permanently or intermittently to overflow, flood and submerge the land herein described with waters and industrial waste from Fairchild Air Force Base, Spokane County, Washington, together with the permanent right, power and privilege to enter upon said lands to inspect and improve water flow conditions and to remove any natural or artificial obstruction, which in the opinion of the representative of the United States in charge, may be detrimental to the operation and maintenance of the project, including underbrush or debris, as may be necessary from time to time, and to clear, improve and maintain existing water courses, streams, and drainage channels. Also, the permanent right, power and privilege to enter upon said lands for the purposes of constructing, maintaining, operating and patrolling any necessary drainage structures or appurtenances, and the permanent right, power and privilege to prohibit construction or maintenance of structures for human habitation on said lands.

TOGTHER WITH
Improvements located thereon.

All rights and privileges which may be used or enjoyed without interfering with or abridging the rights described in the Reservation to the United States.

SUBJECT TO
Existing easements for public roads and highways, public utilities, railroads and pipelines and to other easements of record.

TO HAVE AND TO HOLD the Property together with all the privileges and appurtenances thereto belonging, unto Grantee, his successors and assigns, forever.

By acceptance of this deed, the Grantee herein named covenants for himself, his heirs, successors or assigns that:

Excise Tax Paid on Sale Amt. Pd. None
D.E. "SKIP" CHILBERG
Spokane County Treas. 303485
By 2/22/85

The Government shall be held harmless from all claims for damage that may accrue to any or all of the property herein described by reason of the overflow of water and industrial waste or by the exercise of any or all of the rights, powers, privileges enumerated in the Reservation to the United States of America described above.

No structures or alterations to existing structures shall be made which would exceed fifty (50) feet in height unless a determination of no hazard to air navigation is issued by the Federal Aviation Administration in accordance with CFR Part 77 "Objects Affecting Navigable Air Space," or under the authority of the Federal Aviation Act of 1958, as amended.

The Property was both duly determined to be surplus to the needs and requirements of the United States of America and assigned to General Services Administration for disposal pursuant to authority contained in the said Federal Property and Administrative Services Act as amended, and applicable orders and regulations promulgated thereunder.

IN WITNESS WHEREOF, Grantor has caused this instrument to be effective as of April 25, 1983.

GENERAL SERVICES ADMINISTRATION

UNITED STATES OF AMERICA
Acting by and through the
Administrator of General Services

BY _____
Director, Disposal Division
Public Buildings and Real Property

STATE OF WASHINGTON)
)
COUNTY OF KING)

On this 24th day of May, 1983, before the undersigned, a Notary Public in and for the State of Washington, personally appeared Kenneth E Lindebak, to me known to be the Director, Disposal Division, Public Buildings and Real Property, General Services Administration, Region 10, and to me known to be the individual described in and who executed the foregoing instrument and who under oath stated that he was duly authorized, empowered, and delegated by the Administrator of General Services to execute the said instrument and acknowledged the foregoing instrument to be his free and voluntary act and deed, acting for and on behalf of the Administrator of General Services, acting for and on behalf of the United States of America, for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

FILED OR RECORDED
REQUEST OF William J. Houk
FEB 22 11 32 AM '85
WILLIAM E. DONAHUE
AUDITOR
SPOKANE COUNTY, WASH.
DEPUTY
4.00

_____
Notary Public in and for the State of Washington, residing in _____

W 5905 Vale Spokane 99208

GSI Job No.: 6892
Issued: 13 August 2024

SITE ASSESSMENT REPORT

Spokane International Airport
Spokane, WA

APPENDIX B.2

AECOM, 2017a. DRAFT- Groundwater Monitoring for Perfluorinated Chemicals.

July 14, 2017

Mr. Matt Breen
Spokane International Airport
9000 West Airport Drive
Spokane, Washington 99219

Re: **DRAFT** -Groundwater Monitoring for Perfluorinated Chemicals
Spokane International Airport
Spokane, Washington
SIA Environmental #4304-00
AECOM Job No.:60545218

Dear Mr. Breen:

Attached are the results and supporting documentation for the recent, limited groundwater monitoring event of four select monitoring wells that were analyzed for the perfluorinated chemicals, Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonic Acid (PFOS). This monitoring event was conducted per your request so that Spokane International Airport's (SIA) could ascertain if detectable levels of perfluorinated chemicals are present in shallow groundwater beneath the airport and if concentrations present a risk to human health and the environment.

Our scope of work for this project included the following tasks:

- Performed one limited groundwater monitoring and sampling event on May 23, 2017. Groundwater samples were collected from downgradient monitoring wells MW-1, MW-3 and MW-5 and from the inferred upgradient well, MW-8 (Figure 1).
- Goundwater samples were shipped to ALS Global Laboratories' (ALS) laboratory in Kelso, Washington for analysis. ALS is accredited by the Washington State Department of Ecology with the certification number C544. The samples were analyzed for PFOA and PFOS by USEPA Method 537M. Samples were submitted on a standard turnaround time of 15–business days. An AECOM project chemist reviewed all of the analytical data and no data usability issues were identified.
- Prepared this letter report presenting the results of the sampling event, compared the analytical results to national standards, and provided our conclusions and recommendations.

Groundwater Sampling
Depth to water in each well was measured to the nearest $1/100^{th}$ of a foot prior to sampling. Groundwater samples were collected from each well using a peristaltic pump. The wells were purged and sampled using low-flow sampling techniques where flow rates were generally about 0.3 to 0.5 liters per minute (l/min). The purge rate was adjusted to minimize the drawdown of groundwater in the wells during purging.

AECOM
528 E. Spokane Falls Blvd.
Suite 503
Spokane, WA 99202
Tel: 509.928.4413
www.AECOM.com

Field parameters were measured with a Horiba-U52 water quality meter. Parameters include pH, conductivity, turbidity, dissolved oxygen (DO), temperature, and oxidation reduction potential (ORP). Once field parameters stabilized within 10% from reading to reading for each parameter, laboratory-prepared sample containers were filled with water from the wells, sealed and placed on ice pending next-day transport to the laboratory.

Results

Groundwater levels measured in the monitoring wells on May 23, 2017 were noted at depths ranging from 2.94 to 9.55 feet bgs. Groundwater samples were collected from monitoring wells MW-1, MW-3, MW-5 and MW-8. Monitoring well locations and analytical results are shown on **Figure 1**. MW-1 is located along the 3-21 Outfall flow path and MW-3 is located along the Alpha Outfall flow path. MW-5 is located east, and down-gradient of the main infiltration area. MW-8 is located in an inferred up-gradient direction of the Airport. Groundwater flow direction was not calculated for this event. Various studies have been conducted in support of the pending Stormwater Discharge Permit and each has concluded that the direction of flow for shallow groundwater across the site is generally northeasterly.

The downgradient monitoring wells MW-1, 3 and 5 detected concentrations of PFOA\PFOS at levels exceeding the screening level of 70 ng\L. The greatest concentrations are observed in samples collected from MW-3 and MW-1, respectively. These areas are subjected to stormwater collection and discharge from active portions of the Airport. The upgradient groundwater sample collected from MW-8 did not detect PFOA or PFOS at concentrations exceeding the screening levels. Analytical results are shown on **Table 1** and the laboratory analytical report is included in **Attachment A**.

Discussion

Perfluorinated chemicals are widespread and persistent in the environment. Potential sources of these chemicals include aviation-related products such as lubricants, hydraulic oils, detergents, firefighting agents and deicing compounds. It has been reported that the use of PROA/PFOS has been curtailed beginning in the early 2000s, however, there has been no known substitute developed for usage in aircraft hydraulic systems.

Given that the perfluorinated compounds are not easily degraded, their detection in the shallow groundwater downgradient of the airport suggests that historic releases of various aviation related fluids have occurred, and are not necessarily indicative of current practices.

Summary

The highest concentration of perfluorinated compounds was detected in the groundwater sample collected from MW-3 and this well is downgradient of the Alpha Outfall. Current and historic aviation practices within the capture zone of this outfall appear to have an impact on the outfall and shallow groundwater quality downgradient of the Airport.

The likely source for this impact is deicing fluids since deicing was and continues to be a standard practice during wintertime operations. Further assessment of current and past deicing

agents is advised to evaluate if this is a primary source of PFOS/PFOA.

Limitations

The findings and conclusions documented in this report have been prepared for specific application to this project and have been developed in a manner consistent with the level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area and in general accordance with the terms and conditions set forth in our Agreement, and with the AECOM proposal dated May 17, 2017. No other warranty, express or implied, is made.

The findings presented in this report are based on conditions observed at specific site locations and sampling intervals at the time of the assessment. Because conditions between the wells and sampling intervals may vary over distance and time, the potential always remains for the presence of unknown, unidentified, unforeseen, or changed surface and subsurface contamination.

This report is for the exclusive use of Spokane International Airport and its representatives. No third party shall have the right to rely on AECOM's opinions rendered in connection with the services or in this document without our written consent and the third party's agreement to be bound to the same conditions and limitations as Spokane International Airport.

AECOM appreciates the opportunity to provide these services. Please contact the undersigned regarding any questions related to the information provided in this letter report.

Sincerely,

AECOM

Gary D. Panther, LG, LEG

Attachments:

Figure 1: Spokane International Airport PFOA\PFOS Study Area
Table 1: Summary of Groundwater Analytical Results
Attachment A: Analytical Results

Legend

- Monitoring Well
- Inferred Groundwater Direction of Flow

Notes:
Perfluorooctanoic Acid (PFOA)
Perfluorooctane Sulfonic Acid (PFOS)
ng\L = nanograms per liter, or parts per trillion
Samples analyzed by ALS Environmental, Kelso, Washington

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
USGS Imagery, 2012.

500 0 500 1,000
SCALE IN FEET

AECOM

SPOKANE INTERNATIONAL AIRPORT PFOA/PFOS STUDY AREA

MAY 2017
60545218

SPOKANE INTERNATIONAL AIRPORT
PFOA/PFOS STUDY AREA
SPOKANE, WASHINGTON

FIGURE 1

K:\60545218_SI\AIMXD\Fig 1_Study Area.mxd

Table 1
Summary of Groundwater Analytical Results
Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonic Acid (PFOS)
Spokane International Airport

Well ID	Sample Date	Depth to Water (feet bgs)	PFOA (ng/L)	PFOS (ng/L)
Groundwater Screening Level (ng/L) [1]			70	70
MW-1	5/23/2017	5.93	**130**	**130**
MW-3	5/23/2017	3.48	**330**	**93**
MW-5	5/23/2017	2.94	**110**	**140**
MW-8	5/23/2017	9.55	1.4 U	9.5

Notes:

[1] Groundwater screening levels were obtained from EPA's "Fact Sheet, PFOA & PFOS Drinking Water Health Advisories," dated November 2016.

Values in **bold** font indicate that the result reported meets or exceeds the groundwater screening level.

feet bgs - feet below ground surface

ng/L - nanogram per liter

PFOA - perfluorooctanoic acid

PFOS - perfluorooctane sulfonic acid

U - Compound was analyzed for but not detected above the reporting limit shown.

Samples analyzed by ALS Global Laboratories, Kelso, Washington.

ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
www.alsglobal.com

June 26, 2017

Analytical Report for Service Request No: K1705255

Gary Panther
AECOM
528 E. Spokane Falls Boulevard,
Suite 503
Spokane, WA 99202

RE: SIA PFOA-PFOS Sampling / TBD

Dear Gary,

Enclosed are the results of the sample(s) submitted to our laboratory May 24, 2017
For your reference, these analyses have been assigned our service request number **K1705255.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3275. You may also contact me via email at Chris.Leaf@ALSGlobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Chris Leaf
Project Manager

ALS Environmental
ALS Group USA, Corp
1317 South 13th Avenue
Kelso, WA 98626
T : +1 360 577 7222
F : +1 360 636 1068
www.alsglobal.com

Table of Contents

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value.
J	The result is an estimated value.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L14-51
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Case Narrative

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS ENVIRONMENTAL

Client:	AECOM	**Service Request No.:**	K1705255
Project:	SIA PFOA-PFOS Sampling/TBD	**Date Received:**	05/24/17
Sample Matrix:	Water		

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Control Sample (LCS), and Laboratory/Duplicate Laboratory Control Sample (LCS/DLCS).

Sample Receipt

Four water samples were received for analysis at ALS Environmental on 05/24/17. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4ºC upon receipt at the laboratory.

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

No anomalies associated with the analysis of these samples were observed.

Approved by_____

Chain of Custody

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS Environmental

CHAIN OF CUSTODY
79857

001

SR# K1405265

COC Set____of____

COC#_____

1317 South 13th Ave, Kelso, WA 98626 Phone (360) 577-7222 / 800-695-7222 / FAX (360) 636-1068
www.alsglobal.com

Project Name: SIA PFOA-PFOS Sampling	Project Number: TBD
Project Manager: GARY PANTHER	
Company: AECOM	
Address: 528 E. Spokane Falls Blvd #503 Spokane, WA 99019	
Phone #: 509-954-5090	email: GARY.PANTHER@AECOM.COM
Sampler Signature:	Sampler Printed Name: Gary D. Panther

CLIENT SAMPLE ID	LABID	SAMPLING Date	SAMPLING Time	Matrix	NUMBER OF CONTAINERS	14D PFC/537M / PFOA	1	2	3	4	5	Remarks
1. MW-8		5-23-17	900	W	4	X						
2. MW-3		5-23-17	1000	W	2	X						
3. MW-1		5-23-17	1100	W	2	X						
4. MW-5		5-23-17	1200	W	2	X						
5.												
6.												
7.												
8.												
9.												
10.												

Report Requirements

- __ I. Routine Report: Method Blank, Surrogate, as required
- X II. Report Dup., MS, MSD as required
- __ III. CLP Like Summary (no raw data)
- __ IV. Data Validation Report
- __ V. EDD

Invoice Information

P.O.#_____

Bill To: AECOM

Turnaround Requirements

- __ 24 hr.
- __ 48 hr.
- __ 5 Day
- X Standard

Requested Report Date

Circle which metals are to be analyzed

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Special Instructions/Comments:

*Indicate State Hydrocarbon Procedure: AK CA WI Northwest Other____(Circle One)

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: GARY D. PANTHER	Printed Name: B RICHMAN	Printed Name	Printed Name	Printed Name	Printed Name
Firm: AECOM	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 5-23-17 1400	Date/Time: 5/24/17 1610	Date/Time	Date/Time	Date/Time	Date/Time