

September 18, 2023

Tilson Infrastructure 16 Middle Street, 4th Floor Portland, ME 04101

RE: Compliance Scope- Wetland Delineation for a New Site Build Harmoni Towers Proposed Monopole Location Verizon Wireless Name #: SPO Naples 211 Cindy Lane, Sandpoint, Idaho RP59N01W097510A; T59N R 1W portion of Sec 9; (48.47723. -116.46786) GE²G Project # 311746

Geist Engineering and Environmental Group, Inc. (GE²G), appreciates the opportunity to assist Tilson Infrastructure by having a wetland delineation completed in the vicinity of the proposed new site build tower location. The National Wetland Inventory (NWI) shows that an emergent wetland extends throughout the parcel. The NWI is just an inventory and it has no legal or jurisdictional power. Actual regulated wetlands are not based on the NWI, they are based on a formal delineation which was completed on August 29, 2023.

Executive Summary:

- A survey was completed to determine whether the three required wetland parameters (hydrophytic vegetation, hydric soils, and wetland hydrology) were present. The wetland boundary points were staked, flagged, labelled, and located using a submeter GPS handheld unit.
- Wetland boundaries are depicted with white as depicted in Figure 3.
- Bonner County imposes a 40-foot building-to-wetland boundary setback are depicted with blue line as depicted in Figure 3.
- At this point in the development process, there is no intent to fill or alter the wetlands identified in this report.

Findings:

At this point in the development process, there appears to a viable location for the ground lease area. The access road may be viable depending on the road setback requirements from U.S. Highway 2 (US-2).

If you have any inquiries or would like any additional information, please contact me at (510) 238-8851, or sgeist@geistenvironmental.com.

Sincerely,

Stephen Geist, President,

Geist Engineering and Environmental Group, Inc.

Attached:

Appendix A: Wetland Delineation Letter Report for property located at 211 Cindy Lane, Sandpoint, ID Dolyniuk Trust Property: dated September 11, 2023

Appendix B: Tabular Field Data Points with Names Latitude and Longitude

Compliance Scope Wetland Delineation for a New Site Build Harmoni Towers Proposed Monopole Location Verizon Wireless Name #: SPO Naples 211 Cindy Lane, Sandpoint, Idaho GE²G Project # 311746



Appendix A: Wetland Delineation Letter Report for property located at 211 Cindy Lane, Sandpoint, ID Dolyniuk Trust Property dated September 11, 2023

GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC. 4200 Park Boulevard #149, Oakland, California 94602 510.238.8851 (p) / sgeist@geistenvironmental.com Field Offices: Arizona, California, Colorado, Oregon, and Washington

Tom Duebendorfer - Biological Consultant, Professional Wetland Scientist

September 11, 2023

Steven Geist, President GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC. 4200 Park Boulevard #149 Oakland, California 94602 510.238.8851 (p) 510.610.1453 (m) sgeist@geistenvironmental.com

Re: Wetland Delineation Letter Report for property located at 211 Cindy Lane, Sandpoint, ID Dolyniuk Trust Property: RP59N01W097510A; T59N R 1W portion of Sec 9; 48.47723. -116.46786

Dear Steven:

Per your request for environmental services, I am submitting this Wetland Delineation Letter Report for the property referenced above (Figure 1). On August 29, 2023, I visited the site and used the Regional Supplement to the Corps of Engineers (Corps) Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region U.S. Army Corps of Engineers 2010, to determine whether the three required wetland parameters (<u>hydrophytic vegetation</u>, <u>hydric soils</u>, and <u>wetland hydrology</u>) were present. The wetland boundary points were staked, flagged, labelled, and located using a sub-meter GPS handheld unit. I focused only on the eastern portion of the property adjacent US 95.

I understand the project intent is to potentially lease a portion of the Dolyniuk property and construct a Verizon cell tower in the northeast portion of the property (SPO Naples). The tower would have an approximately 70' x 70' base.

Site Conditions

The property has a residence in the western portion of the property with the majority of the undeveloped property used for horse pasture. It is located between Elmira and Samuels adjacent Hwy 95. The National Wetland Inventory (NWI) mapped a large emergent (PEM1C) wetland through the center of the property.

Vegetation

The vegetation consists of two associations:

- Wet meadow: low-growing willow, dogwood, rose, sedge, bentgrass, aster, and goldenrod. This association is hydrophytic.
- <u>Upland meadow</u>: This is located on higher topography than the wet meadow (clearly defined slopes and grazed) and consist of weedy upland vegetation: knapweed, tumble mustard, goldenrod, plantain, bentgrass, orchardgrass, ox-eye daisy, horseweed, tansy, and smooth brome. This association is not hydrophytic.

Soils

The Natural Resources Conservation Service (NRCS) identified the property as being underlain by several mapping units including Pywell-Hoodoo complex (hydric) and Selle-Elmira complex (not hydric) (Figure 2). The soils in the wet meadow (lower topography areas) showed evidence of early season ponding with low chroma layers with redoximorphic features (an hydric indicator). Data plots in the upland mounded areas showed higher matrix chromas (3/3, 4/3 [not hydric]) (Data Plots and Photographs attached).

Hydrology

The National Wetland Inventory (NWI) mapped a large emergent (PEM1C) (palustrine, emergent, persistent, seasonally flooded) wetland as occurring through the majority of the property (Figure 2). It is located in a topographically lower portion of the property. To the east (toward US 95) the topography is mounded and rises about 2 - 4'. The lower topography wetland area showed evidence of seasonal ponding.

Wetland Determination

Figure 3 shows the properties with the GPSd wetland boundary points and the wetland boundaries (white lines). The wetland is located in the center of the property: the western edge was not delineated. It is located in a topographic low and contains some small willows, spiraea, sedge, goldenrod, and bentgrass. Due to the late season delineation, no hydrology was observed, but the area showed evidence of early season ponding. StreamStats of Idaho (https://streamstats.usgs.gov/ss/) showed a drainage starting at the western end of Cindy Lane, going through the center of the subject property (in the area of the NWI-mapped wetland) and discharging north, eventually into MacArthur Lake. I did not survey this possible drainage, but the area was dry during the August delineation.

The upland area was topographically higher and consisted of grazed upland weedy species (knapweed, tumble mustard, goldenrod, plantain, bentgrass, orchardgrass, ox-eye daisy, horseweed, tansy, and smooth brome).

Regulatory Implications

At this point in the development process, there is no intent to fill or alter the wetlands identified in this report.

Bonner County imposes a 40' building-to-wetland boundary setback (shown on Figure 3 as a blue line).

Thank you for requesting my services. Let me know if you have any questions or need additional information.

Sincerely,

Tom Debend

Tom Duebendorfer, MA, PWS (Emeritus)



encls: Regulatory Requirements
Figure 1: Vicinity Map
Figure 2: National Wetland Inventory and NRCS Soils Map
Figure 3: Wetland Delineation, Setback, Data Plot, and Photograph Location Map
Photosheets (2)
Data Plots (7) 2-page forms
Résumé

References Used (not necessarily cited):

Bonner County Viewer (on-line mapping tool)

- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. Office of Biological Services, Fish and Wildlife Service, U.S. Dept. of the Interior, FWS/OBS-79/31.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1, US Army Engineer Waterways Experiment Station, Vicksburg, Miss.
- ESRI. ArcMap 10.5.1 GIS software. Arrow Series 100 GPS unit.
- Hitchcock, C.L., A. Cronquist, M. Ownbey, and J.W. Thompson. 1977 (and as updated 2018 in 2nd Edition). Vascular Plants of the Pacific Northwest. University of Washington Press. Seattle, Washington (five volumes).
- NAIP 2013. USDA Aerial photography of Bonner County, ID.
- NRCS. US Department of Agriculture, National Resources Conservation Service. Soil Survey (website).
- NRCS. 2010. United States Department of Agriculture, Natural Resources Conservation Service. 2010. Field Indicators of Hydric Soils in the United States, Version 7.0. L.M. Vasilas, G.W. Hurt, and C.V. Noble (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.
- NTCHS. 1995. National Technical Committee for Hydric Soils, Natural Resources Conservation Service (formerly Soil Conservation Service).
- Vepraskas, M.J. 1992. Redoximorphic Features for Identifying Aquic Conditions. North Carolina Agricultural Research Service. Raleigh, North Carolina.
- U.S. Army Corps of Engineers 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region.
- USDI. National Wetland Inventory mapping (website).
- USGS. Elmira, ID 7.5' topographic quadrangle.

Regulatory Permitting Process: Types of Permits - Corps of Engineers

Under the Clean Water Act, the Corps has the authority to regulate the discharge or fill or dredged material into "Waters of the US". There are three Permits the Corps uses to regulate fill into wetlands. The Regional General and Individual Permits (not described here) are probably not appropriate for your site.

(1) Nationwide General (NWP): This permit is authorized for specific activities nationwide with minimal impact and minimal evaluation time. The NWPs typically have a ½ acre limit for fill in wetlands and 300 linear foot limit for fill in stream channels. A Pre-Construction Notification application (PCN) must be submitted to the appropriate field office (Walla Walla District). Typically, *less than 1/10-acre of wetland fill does not require mitigation* (though a PCN is required), and <u>up to ½ acre of wetland fill, requires mitigation</u>. (See below for **compensation methods**). There are Regional Conditions for Nationwide Permits (www.nww.usace.army.mil/Portals/28/Users/108/44/1644/ Final%20NWW%20Regional%20Conditions%202017%20NWPs.pdf). There are 54 Nationwide Permits each regarding specific activities proposed in wetlands (www.nww.usace.army.mil/Business-With-Us/Regulatory-Division/Nationwide-Permits/).

When any permit application is received, it is evaluated based upon three criteria: <u>avoidance</u>, <u>minimization</u>, and <u>mitigation</u>. Once the applicant meets these criteria, a permit can be issued. It is taking Corps presently about 60 days to process permits.

Compensation Methods for unavoidable Wetland Impacts

According to the 2008 Final Mitigation Rule (Federal Register/Vol. 73, No. 70 / Thursday, April 10, 2008 / Rules and Regulations), under § 332.1 (c) the Final Mitigation Rule maintains the requirements set forth in Section 404(b) (1) Guidelines at 40 CFR part 230 which state that *"the permit applicant [is required] to take all appropriate and practicable steps to avoid and minimize adverse impacts to waters of the United States. Practicable means available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes. Compensatory mitigation for unavoidable impacts may be required to ensure that an activity requiring a section 404 permit complies with the Section 404(b)(1) Guidelines" (emphasis mine). According to § 230.93 (a)(2), restoration of impacted wetland is the first priority in the compensation sequence followed by purchasing credits (employing the use of approved Wetland Mitigation Banks within the service area) § 230.93 (b) (2).*

Regarding a recent Supreme Court ruling and the EPA / Corps revised "Waters of the US" definitions, it appears that wetlands are federally regulated only if there is a "relatively permanent surface water connection" to clearly defined navigable "Waters of the US". The EPA and Corps have NOT specifically defined "relatively permanent".

The State of Idaho does not regulate activities in wetlands.

Bonner County imposes a 40' building to wetland boundary setback and any according to their Ordinance, wetland fills will require a permit from the Corps of Engineers — but it is unknown how the Corps would regulate the on-site wetland nor how the County will address the new EPA / Corps revised "Waters of the US" rule. I have been in contact with the County to ascertain their decisions in reference to wetland regulations and setbacks, but have not yet heard back.



211 Cindy Lane, Sandpoint, ID RP59N01W097510A T59N, R1W, portion of Sec 9 48.47723. -116.46786 Figure 1 Vicinity Map Dolyniuk Trust SPO Naples







Photo 1. View south from upland mound area toward lower topography wetland (blue line). Upland consists of weedy vegetation (grazed) including knapweed, bentgrass, tumble mustard, plantain, and horseweed. Wetland contains minor amounts of low-growing willow, sedge, bentgrass, and goldenrod.

Photo 2. View south from upland mound area toward lower topography wetland (blue line). Upland consists of weedy vegetation (grazed) including knapweed, bentgrass, tumble mustard, plantain, and horseweed. Wetland contains minor amounts of low-growing willow, sedge, bentgrass, and goldenrod.

Photo 3. View south from upland mound area toward lower topography wetland (blue line). Upland consists of weedy vegetation (grazed) including knapweed, bentgrass, tumble mustard, plantain, and horseweed. Wetland contains minor amounts of low-growing willow, sedge, bentgrass, and goldenrod.

> Photosheet 1 Dolyniuk Property August 29, 2023



Photo 4. View southwest from upland mound area toward lower topography wetland (blue line). Upland consists of weedy vegetation (grazed) including knapweed, bentgrass, tumble mustard, plantain, and horseweed. Wetland contains minor amounts of lowgrowing willow, sedge, bentgrass, and goldenrod.

Photo 5. View north from southeast portion of property. Upland mound area in foreground, toward lower topography wetland (blue line). Upland consists of weedy vegetation (grazed) including knapweed, bentgrass, tumble mustard, plantain, and horseweed. Wetland contains minor amounts of low-growing willow, sedge, bentgrass, and goldenrod.

> Photosheet 2 Dolyniuk Property August 29, 2023

Project/Site: Harmoni Towers (RP59N01W097510A)	City/County: Bonner		Sampling Date: 29-Aug-23			
Applicant/Owner: Geist Environmental		State: ID	Sampling Point:	DP 1		
Investigator(s): Tom Duebendorfer, PWS	Section, Township, Rar	nge: S 9 T !	59N R _1W			
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, co	nvex, none): flat	Slope:	0.C % / 0.0 °		
Subregion (LRR): LRR E	48.478191	Long.: -116.465343	Datu	m: WGS 84		
Soil Map Unit Name: Pywell-Hoodoo complex		NWI class	ification: <u>PEM1C</u>			
Are climatic/hydrologic conditions on the site typical for this time of year Are Vegetation , Soil , or Hydrology significant Are Vegetation , Soil , or Hydrology naturally	ear? Yes Yes No tly disturbed? Are "No problematic? (If need)	(If no, explain in rmal Circumstances" led, explain any answ	n Remarks.) present? Yes • ers in Remarks.)	No \bigcirc		

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes 🖲	No O	Is the Sampled Area		
Hydric Soil Present?	Yes 🖲	No \bigcirc		Yes 🖲 No 🔾	
Wetland Hydrology Present?	Yes 🖲	No 🔿	within a wetland?		

Remarks:

All three parameters met. Plot is in a wetland.

Tree Stratum (Plot size: _30')	Absolute % Cover	Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
1. Pinus ponderosa	5	✔ 100.0%	FACU	That are OBL, FACW, or FAC: 4 (A)
2.	0	0.0%		
3	0	0.0%		Total Number of Dominant Species Across All Strata: 5 (B)
4	0	0.0%		
Sapling/Shrub Stratum (Plot size: 20')	5	= Total Cov	er	Percent of dominant Species That Are OBL, FACW, or FAC:(A/B)
1. Salix scouleriana	40	✓ 50.0%	FAC	Prevalence Index worksheet:
2. Cornus alba	25	✓ 31.3%	FACW	Total % Cover of: Multiply by:
3. Rosa woodsii	15	18.8%	FACU	OBL species $20 \times 1 = 20$
4.	0	0.0%		FACW species $25 \times 2 = 50$
5.	0	0.0%		FAC species $90 \times 3 = 270$
	80	= Total Cov	er	FACU species $30 \times 4 = 120$
Herb Stratum (Plot size: 0.1 ac)				UPL species $\frac{10}{10} \times 5 = \frac{50}{10}$
1 Solidago lepida		✓ 33.3%	FAC	175 (A) 510 (B)
2. Carex flava	20	✓ 22.2%	OBL	
3_Agrostis stolonifera	15	16.7%	FAC	Prevalence Index = B/A = 2.914
4. Dactylis glomerata	10	<u> </u>	FACU	Hydrophytic Vegetation Indicators:
5. Hieracium pratense	10	<u> </u>	UPL	1 - Rapid Test for Hydrologic Vegetation
6. Symphyotrichum spathulatum	5_	5.6%	FAC	\checkmark 2 - Dominance Test is > 50%
7	0			\checkmark 3 - Prevalence Index is <3.0 ¹
8	0			
9	0			data in Remarks or on a separate sheet)
10				\Box 5 - Wetland Non-Vascular Plants ¹
11	0	- Total Cov	or	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:		- 10001000	ei	¹ Indicators of hydric soil and wotland hydrology must
	0			be present, unless disturbed or problematic.
1				Undrankutia
2		0.0%	. <u> </u>	Vegetation
	0	= Total Cov	er	Present? Yes V NO U
% Bare Ground in Herb Stratum:				

-

Depth		Matrix			Red	ox Featu	res		_	
(inches)	Color (I	moist)	%	Color (r	noist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR	3/2	100%						Silt Loam	
2-10	10YR	4/2	80%	7.5 YR	4/6	20%	C	M	Silt Loam	
			·							
			·							
			·							
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Redu	uced Matrix,	CS=Covere	ed or Coat	ed Sand Gr	ains ² Loc	ation: PL=Pore Lining. M=I	Matrix
Hydric Soil I	ndicators:	(Applica	ble to all L	RRs, unless	otherwis	e noted.)		Indicators for Proble	ematic Hydric Soils ³ :
Histosol (/	A1)			🗌 San	dy Redox ((S5)			2 cm Muck (A10)	
🗌 Histic Epip	pedon (A2)			Strij	oped Matri	x (S6)			Red Parent Materi	ial (TF2)
Black Hist	ic (A3)			Loa	my Mucky	Mineral (F	1) (except	in MLRA 1)	Other (Explain in I	Remarks)
Hydrogen	Sulfide (A4)			Loa	ny Gleyed	Matrix (F	2)			
Depleted	Below Dark	Surface (A	.11)	🗹 Dep	leted Matr	ix (F3)				
Thick Darl	k Surface (A	12)		Red	ox Dark Sı	urface (F6)		³ Indicators of hydrophyl	tic vegetation and
Sandy Mu	ck Mineral (S	51)		Dep	leted Dark	Surface (F7)		wetland hydrology m	nust be present,
Sandy Gle	eyed Matrix (S4)		Red	ox depress	sions (F8)			unless disturbed or p	problematic.
Restrictive La	ayer (if pre	sent):								
Type:										
Depth (incl	hes):								Hydric Soil Present?	Yes 🔍 No 🔾
Remarks:										
Soils shows h	ydric indica	ators								
1										
1										

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one required; c	Secondary Indicators (minimum of two required)			
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA	Water-Stained Leaves (B9) (MLRA 1, 2,		
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)		
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)		
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry Season Water Table (C2)		
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)		
Drift deposits (B3)	Oxidized Rhizospheres on Living Roots (C3)	Geomorphic Position (D2)		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)		
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	FAC-neutral Test (D5)		
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost Heave Hummocks (D7)		
Sparsely Vegetated Concave Surface (B8)				
Field Observations:				
Surface Water Present? Yes O No O	Depth (inches):			
Water Table Present? Yes O No 🖲	Depth (inches):			
Saturation Present? Yes O No O	Depth (inches): Wetland Hy	/drology Present? Yes 👻 No 🖯		
Describe Recorded Data (stream gauge, monitor	well, aerial photos, previous inspections), if availa	able:		
Remarks:				
area topographically lower than obvious mounded	ed area - spring hydrology very likely			

Project/Site: Harmoni Towers (RP59N01W097510A)	City/County: Bonner	s	Sampling Date: 29-Aug-23			
Applicant/Owner: Geist Environmental		State:	Sampling Point:	DP 2		
Investigator(s): Tom Duebendorfer, PWS	Section, Township, Ran	Section, Township, Range: S 9 T 59N R 1W				
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, co	0.C % /0.0 °				
Subregion (LRR): LRR E	48.478082	Long.: -116.465283	Datu	m: WGS 84		
Soil Map Unit Name: Pywell-Hoodoo complex		NWI classifi	cation: <u>PEM1C</u>			
Are climatic/hydrologic conditions on the site typical for this time of Are Vegetation , Soil , or Hydrology , significa	year? Yes Yes No ntly disturbed? Are "Nor y problematic? (If need)	(If no, explain in F mal Circumstances" pr ed, explain any answer	temarks.) resent? Yes 💿 rs in Remarks.)	No \bigcirc		

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	$_{ m Yes}$ \bigcirc	No 🖲	Is the Sampled Area			
Hydric Soil Present?	Yes \bigcirc	No 🖲	within a Watland2	Yes 🔿 No 🖲		
Wetland Hydrology Present?	Yes \bigcirc	No 🖲	within a wetland?			

Remarks:

None of three parameters met. Plot not in wetland.

Tree Stratum (Plot size: 30')	Absolute % Cover	Rel.Strat.	Indicator Status	Dominance Test worksheet:	
1		0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 1 (A	•)
2.	0	0.0%			,
3	0	0.0%		Total Number of Dominant Species Across All Strata 2 (B	3)
4	0	0.0%			.,
apling/Shrub Stratum (Plot size: 20')	0	= Total Cov	ver	Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A	/B)
1.		0.0%		Prevalence Index worksheet:	
2.		0.0%		Total % Cover of: Multiply by:	
3.		0.0%		OBL species $0 \times 1 = 0$	
4.	0	0.0%		FACW species $0 \times 2 = 0$	
5	0	0.0%		FAC species $25 \times 3 = 75$	
	0	= Total Cov	/er	FACU species $35 \times 4 = 140$	
erb Stratum (Plot size: 0.1 ac)				$\frac{10}{10} \times 5 = \frac{50}{10}$	
1. Plantago lanceolata	25	35.7%	FACU	Column Totals: 70 (a) 265 ((в)
2. Agrostis stolonifera	15	21.4%	FAC		
3_Leucanthemum vulgare			FACU	Prevalence Index = B/A =	
			FAC	Hydrophytic Vegetation Indicators:	
5. Centaurea maculosa	10			1 - Rapid Test for Hydrologic Vegetation	
6				2 - Dominance Test is > 50%	
0	0	0.0%		□ 3 - Prevalence Index is ≤3.0 1	
00	0	0.0%		4 - Morphological Adaptations ¹ (Provide support	ting
9	0	0.0%		data in Remarks or on a separate sheet)	
11	0	0.0%		5 - Wetland Non-Vascular Plants ¹	
	70	= Total Cov	/er	\Box Problematic Hydrophytic Vegetation ¹ (Explain)	
Voody Vine Stratum (Plot size:)		_		¹ Indicators of hydric soil and wetland hydrology mu	ust
1	0	0.0%		be present, unless disturbed of problematic.	
2	0	0.0%		Hydrophytic	
	0	= Total Cov	/er	Present? Yes O No •	
% Bare Ground in Herb Stratum: ()					

Depth		Depth Matrix Redox Features						_	
(inches)	Color (I	noist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR	3/2	100%					Silt Loam	
2-10	10YR	4/2	100%				М	Silt Loam	
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Redu	ced Matrix, CS=Covere	ed or Coa	ted Sand Gr	ains ² Loc	cation: PL=Pore Lining. M=M	ətrix
Hydric Soil I	ndicators:	(Applica	ble to all Li	Rs, unless otherwis	e noted	.)		Indicators for Probler	natic Hydric Soils ³ :
Histosol (A Histic Epip Black Histi Hydrogen	A1) bedon (A2) ic (A3) Sulfide (A4)			Sandy Redox (Stripped Matri Loamy Mucky Loamy Gleyed	S5) x (S6) Mineral (Matrix (F	F1) (except	in MLRA 1)	2 cm Muck (A10) Red Parent Material Other (Explain in Re	l (TF2) emarks)
Hydrogen Suifide (A4) Loainy Gleved Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Muck Mineral (S1) Depleted Dark Surface (F7) Sandy Gleved Matrix (S4) Redox depressions (F8)					³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Restrictive La	ayer (if pre	sent):							
Туре:								Undrin Call Duranta	M
Depth (incl	nes):							Hydric Soll Present?	res U no U
Remarks:									
Soils lacking h	nydric indic	ators							

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required;	Secondary Indicators (minimum of two required)		
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
 Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) 	 Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 	 Drainage Patterns (B10) Dry Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost Heave Hummocks (D7) 	
Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Image: Saturation Present? Saturation Present? Yes No Image: Saturation Present? Cincludes capillary fringe) Yes No Image: Saturation Present? Describe Recorded Data (stream gauge, monit	Depth (inches): Depth (inches): Depth (inches): Wetland H	lydrology Present? Yes O No 💿	
Remarks: Area topographically higher than obvious wetla	and area - hydrology unlikely		

Project/Site: Harmoni Towers (RP59N01W097510A)	City/County: Bonner		Sampling Date: 29-Aug-23			
Applicant/Owner: Geist Environmental		State: ID	Sampling Point:	DP 3		
Investigator(s): Tom Duebendorfer, PWS	Section, Township, Ran	nge: S 9 T 5	9N R _1W			
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, co	nvex, none): flat	Slope:	0.C % /00 °		
Subregion (LRR): LRR E Lat.:	48.477756	Long.: -116.465237	Datu	m: WGS 84		
Soil Map Unit Name: Pywell-Hoodoo complex		NWI classif	ication: none			
Are climatic/hydrologic conditions on the site typical for this time of y	ear? Yes • No O	(If no, explain in	Remarks.)	NI. ()		
Are Vegetation, Soil, or Hydrology significan	tly disturbed? Are "No	rmal Circumstances" p	resent? Yes 🔍	NO \bigcirc		
Are Vegetation , Soil , or Hydrology naturally	problematic? (If need	led, explain any answe	rs in Remarks.)			

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	$_{\rm Yes}$ \bigcirc	No 🖲	Ts the Sampled Area		
Hydric Soil Present?	Yes \bigcirc	No 🖲		Yes 🔿 No 🖲	
Wetland Hydrology Present?	Yes \bigcirc	No 🖲	within a wetland?		

Remarks:

None of three parameters met. Plot not in wetland.

Tree Stratum (Plot size: 30')	Absolute % Cover	Rel.Strat.	Indicator Status	Dominance Test worksheet:			
1		0.0%		Number of Dominant Species		0 (A	A)
2.	0	0.0%				`	,
3.	0	0.0%		Total Number of Dominant		1 (R	3)
4	0	0.0%				()	-)
apling/Shrub Stratum (Plot size: 20')	0	= Total Cov	ver	Percent of dominant Species That Are OBL, FACW, or FA	s C:0.	. <u>0%</u> (A	4/B)
1.		0.0%		Prevalence Index worksheet			
2.		0.0%		Total % Cover of:	Multiply by	/:	
3.		0.0%		OBL species 0	x 1 =	0	
4.	0	0.0%		FACW species 0	x 2 =	0	
5.	0	0.0%		FAC species 15	x 3 =	45	
	0	= Total Cov	ver	FACIL species 10	x 4 =	40	
erb Stratum (Plot size: 0.1 ac)		_		UPL species 95	× 5 -	475	
1 Centaurea maculosa	80	66.7%	UPL	Column Totales 120	(A)	560 ((B)
2. Bromus inermis	15	12.5%	UPL				(-)
3. Agrostis stolonifera		12.5%	FAC	Prevalence Index = B/A	.= 4.	667	
4. Plantago lanceolata	10	8.3%	FACU	Hydrophytic Vegetation Indi	icators:		
5				🗌 🗌 1 - Rapid Test for Hydrol	ogic Vegeta	tion	
6				2 - Dominance Test is >	50%		
7	0		·	☐ 3 - Prevalence Index is ≤	≤ 3.0 ¹		
8	0	0.0%		4 - Morphological Adapta	ations ¹ (Prov	vide support	ting
9	0	0.0%		data in Remarks or or	n a separate	sheet)	
1	0	0.0%		5 - Wetland Non-Vascula	r Plants ¹		
1.	120	= Total Cov	ver	Problematic Hydrophytic	Vegetation ¹	¹ (Explain)	
Voody Vine Stratum (Plot size:)				¹ Indicators of hydric soil an	d wetland h	ydrology m	ust
1	0	0.0%		be present, unless disturbed	l or problem	atic.	
2	0	0.0%		Hydrophytic			
	0	= Total Cov	ver	Present? Yes O	vo 🖲		
0/ Para Ground in Harb Stratum: 0							

Depth		Matrix		Red	ox Feat	ures		_	
(inches)	Color (I	moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR	3/2	100%					Silt Loam	
2-10	10YR	4/2	100%					Silt Loam	
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Redu	ced Matrix, CS=Covere	d or Coa	ted Sand Gr	ains ² Loc	ation: PL=Pore Lining. M=M	atrix
Hydric Soil I Histosol (/ Histic Epip Black Hist Hydrogen	ndicators: A1) bedon (A2) ic (A3) Sulfide (A4)	(Applical	ble to all LF	Its, unless otherwis Sandy Redox (Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix	e noted S5) ((S6) Mineral (Matrix (F x (F3)	.) F1) (except F2)	in MLRA 1)	Indicators for Problem 2 cm Muck (A10) Red Parent Materia Other (Explain in R	matic Hydric Soils³: I (TF2) emarks)
Depleted Thick Darl Sandy Mu Sandy Gle	k Surface (A k Surface (A ck Mineral (S yed Matrix (5011aCe (A 12) 51) 54)	11)	Redox Dark Su Depleted Dark Depleted Dark Redox depress	rface (F6 Surface ions (F8)	5) (F7)		³ Indicators of hydrophyti wetland hydrology mu unless disturbed or pr	c vegetation and ist be present, oblematic.
Restrictive La	ayer (if pre	sent):							
Type: Depth (ind	nes):							Hydric Soil Present?	Yes 🔿 No 🖲
Remarks:									
Soils lacking ł	nydric indic	ators							
1									

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required;	Secondary Indicators (minimum of two required)	
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
 Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) 	 Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 	 Drainage Patterns (B10) Dry Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost Heave Hummocks (D7)
Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Image: Saturation Present? Saturation Present? Yes No Image: Saturation Present? Cincludes capillary fringe) Yes No Image: Saturation Present? Describe Recorded Data (stream gauge, monit	Depth (inches): Depth (inches): Depth (inches): Wetland H	lydrology Present? Yes O No 💿
Remarks: Area topographically higher than obvious wetla	and area - hydrology unlikely	

Project/Site: Harmoni Towers (RP59N01W097510A)	City/County: Bonner		Sampling Date: 29-Aug-23			
Applicant/Owner: Geist Environmental		State: _ID	Sampling Point:	DP 4		
Investigator(s): Tom Duebendorfer, PWS	Section, Township, Rar					
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, co	nvex, none): flat	Slope:	0.C % /00 °		
Subregion (LRR): LRR E Lat.:	48.477769	m: WGS 84				
Soil Map Unit Name: Pywell-Hoodoo complex		NWI classif	ication: <u>PEM1C</u>			
Are climatic/hydrologic conditions on the site typical for this time of y	ear? Yes $oldsymbol{igstarrow}$ No $igstarrow$	(If no, explain in I	Remarks.)	0		
Are Vegetation 🗌 , Soil 🗌 , or Hydrology 🗌 significan	tly disturbed? Are "No	rmal Circumstances" pi	resent? Yes 🔍	No \bigcirc		
Are Vegetation 🗌 , Soil 🗌 , or Hydrology 🗌 naturally	problematic? (If need	led, explain any answe	rs in Remarks.)			

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes 🖲	No 🔿	Is the Sampled Area	
Hydric Soil Present?	Yes 🖲	No	within a Watland2	Yes 🖲 No 🔾
Wetland Hydrology Present?	Yes 🖲	No O	within a wetland?	

Remarks:

All three parameters met. Plot is in a wetland.

Tree Stratum (Plot size: 30'	Absolute % Cover	_Species? Rel.Strat. Cover	Indicator	Dominance Test worksheet	:		
			Status	Number of Dominant Species		4	(4)
1			·	That are OBL, FACW, or FAC:		4	(A)
2				Total Number of Dominant			
3				Species Across All Strata:	_	5	(B)
4	0	0.0%		Dercent of dominant Specie			
Sapling/Shrub Stratum (Plot size: 20')	0	= Total Cov	er	That Are OBL, FACW, or FA	•C: <u>8</u>	80.0%	(A/B)
1. Salix scouleriana	60	✓ 100.0%	FAC	Prevalence Index workshee	:		
2.		0.0%		Total % Cover of:	Multiply	bv:	
3.		0.0%		OBL species 45	x 1 =	45	
4.	0	0.0%		EACW species	x 2 =	0	•
5.	0	0.0%				375	-
		- Total Cov	·	FAC species	, x 3 =	100	
lerb Stratum (Plot size: <u>0.1 ac</u>)			ei	FACU species	. x 4 =	0	•
1. Carex flava	35	25.9%	OBL	UPL species	x 5 =	F 20	
2. Solidago lepida	30	22.2%	FAC	Column Totals: 195	. (A)	520	. (B)
3 Agrostis stolonifera	25	✔ 18.5%	FAC	Prevalence Index = B/A	A =	2.667	
4 Tanacetum vulgare	25	✔ 18.5%	FACU	Illuduuu hudin Manadadian Tur			
5 Scirpus microcarpus	10	7.4%	OBL		incators:		
6. Symphyotrichum spathulatum	10	7.4%	FAC	1 - Rapid Test for Hydro	logic Veget	ation	
7	0	0.0%		2 - Dominance Test is >	50%		
8	0	0.0%		✓ 3 - Prevalence Index is	≤3.0 ⊥		
9	0	0.0%		4 - Morphological Adapt	ations ¹ (Pro	ovide sup	porting
9. 10	0	0.0%		data in Remarks or o	n a separat	e sheet)	
11	0	0.0%		5 - Wetland Non-Vascul	ar Plants ¹		
	135	= Total Cov	er	Problematic Hydrophytic	: Vegetatior	n ¹ (Expla	in)
Woody Vine Stratum (Plot size:)				¹ Indicators of hydric soil a	nd wetland	hydrolog	y must
1	0	0.0%		be present, unless disturbe	d or problem	matic.	-
2				Hydrophytic			
<u></u>	0	= Total Cov	er	Vegetation Present? Yes	No ()		
% Bare Ground in Herb Stratum: 0			-				
Remarks:							

-

Profile Descr	iption: (De	scribe to	the depth	needed to	document	t the indi	cator or co	onfirm the	absence of indicators.)	
Depth		Matrix			Red	lox Featu	res		_	
(inches)	Color (I	moist)	%	Color (I	noist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR	3/2	100%						Silt Loam	
	10YR	4/2	80%	7.5 YR	4/6	20%	<u> </u>	M	Silt Loam	
u										
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Redu	uced Matrix,	CS=Cover	ed or Coat	ed Sand Gr	rains ² Loc	ation: PL=Pore Lining. M=	Matrix
Hydric Soil I	ndicators:	(Applica	ble to all L	RRs, unless	otherwis	se noted.)		Indicators for Probl	ematic Hydric Soils ³ :
Histosol (/	A1)			San	dy Redox	(S5) iv (S6)			2 cm Muck (A10)	
Black Hist	ic (A3)				my Mucky	Mineral (F	1) (except	in MLRA 1)	Other (Explain in	rial (TF2) Remarks)
Hydrogen	Sulfide (A4)	1		Loa	my Gleyed	Matrix (F	2)			,
Depleted	Below Dark Surface (A)	Surface (A	11)	Dep Red	leted Matr	nx (F3) urface (F6))		37. 1	19
Sandy Mu	ck Mineral (S	51)			leted Dark	Surface (, F7)		vetland hydrology n	rtic vegetation and nust be present,
Sandy Gle	eyed Matrix (S4)		Rec	lox depres	sions (F8)			unless disturbed or p	problematic.
Restrictive La	ayer (if pre	sent):								
Туре:										
Depth (incl	hes):								Hydric Soil Present?	Yes 🔍 No 🔾
Remarks:										
Soils shows h	ydric indica	ators								

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; c	Secondary Indicators (minimum of two required)	
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
 Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) 	 Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 	 Drainage Patterns (B10) Dry Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost Heave Hummocks (D7)
Field Observations: Surface Water Present? Yes No Image: Saturation Present? Water Table Present? Yes No Image: Saturation Present? Yes No Image: Saturation Present? Saturation Present? Yes Yes No Image: Saturation Present? Yes No Image: Saturation Present? No Image: Saturation Pre	Depth (inches): Depth (inches): Depth (inches): well, aerial photos, previous inspections), if availa	rdrology Present? Yes No O
Remarks: area topographically lower than obvious mounde	ed area - spring hydrology very likely	

Project/Site: Harmoni Towers (RP59N01W097510A)	City/County: Bonner	5	Sampling Date: 29-Aug-23				
Applicant/Owner: Geist Environmental		State: ID	Sampling Point:	DP 5			
Investigator(s): Tom Duebendorfer, PWS	Section, Township, Rang	Section, Township, Range: S 9 T 59N R 1W					
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, cor	ivex, none): flat	Slope:	0.C % /00 °			
Subregion (LRR): LRR E Lat.	48.477874 Long.: -116.464673 Datum: W						
Soil Map Unit Name: Selle-Elmira complex		NWI classifi	cation: none				
Are climatic/hydrologic conditions on the site typical for this time of y	rear? Yes No	(If no, explain in F	Remarks.)				
Are Vegetation , soil , or Hydrology significant Are Vegetation , soil , or Hydrology naturally	problematic? (If neede	mal Circumstances" pr ed, explain any answe	rs in Remarks.)				

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	$_{ m Yes}$ \bigcirc	No 🖲	Is the Sampled Area	
Hydric Soil Present?	Yes \bigcirc	No 🖲		
Wetland Hydrology Present?	Yes \bigcirc	No 🖲	within a Wetland?	

Remarks:

None of three parameters met. Plot not in wetland.

	Absolute	_Species? Rel.Strat.	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30</u>)	% Cover	Cover	Status	Number of Deminent Cresies
1.		0.0%		That are OBL, FACW, or FAC: 1 (A)
2.	0	0.0%		
3.	0	0.0%		Total Number of Dominant
4	0	0.0%		Species Across All Strata: (b)
±.		- Total Co	·	Percent of dominant Species
Sapling/Shrub Stratum (Plot size: 20')		- 10001000		That Are OBL, FACW, or FAC:(A/B)
1		0.0%		Prevalence Index worksheet:
2.		0.0%		Total % Cover of: Multiply by:
3.		0.0%		OBL species $0 \times 1 = 0$
4.	0	0.0%		EACW species $0 \times 2 = 0$
5.	0	0.0%		$\frac{1}{25} \times 3 = \frac{75}{75}$
	0	= Total Cov	/er	FAC species $\frac{20}{60} \times 4 = \frac{240}{240}$
erb Stratum (Plot size: 0.1 ac)		_		$\frac{40}{40} \times 5 = \frac{200}{200}$
1. Centaurea maculosa	40	✔ 32.0%	UPL	$\frac{1}{125}$
2. Agrostis stolonifera	25	20.0%	FAC	Column Totals: 123 (A) 513 (B)
3_Sisymbrium altissimum	25	✓ 20.0%	FACU	Prevalence Index = $B/A = 4.120$
4. Bromus hordeaceus	15	12.0%	FACU	Hydrophytic Vagatation Indicators
5. Conyza canadensis	10	8.0%	FACU	
6. Plantago lanceolata	10	8.0%	FACU	
7	0	0.0%		\square 2 - Dominance Test is > 50%
8	0	0.0%		\square 3 - Prevalence Index is $\leq 3.0^{-1}$
9	0	0.0%		4 - Morphological Adaptations ¹ (Provide supporting
10	0	0.0%		data in Remarks of on a separate sneet)
11	0	0.0%		□ 5 - Wetland Non-Vascular Plants ¹
	125	= Total Cov	/er	Problematic Hydrophytic Vegetation ¹ (Explain)
Voody Vine Stratum (Plot size:)				¹ Indicators of hydric soil and wetland hydrology must
1	0	0.0%		be present, unless disturbed of problematic.
2	0	0.0%		Hydrophytic
	0	= Total Cov	/er	Present? Yes O No O
% Bare Ground in Herb Stratum: 0				

-

Profile Descr	iption: (De	scribe to	the depth	needed to document	the indi	icator or c	onfirm the	absence of indicators.)	
Depth		Matrix		Red	ox Featı	ires			
(inches)	Color (I	moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR	3/2	100%					Silt Loam	
2-10	10YR	4/2	100%					Silt Loam	
		-						-	
		-							
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Redu	ced Matrix, CS=Covere	d or Coa	ted Sand G	ains ² Loc	ation: PL=Pore Lining. M=	Matrix
Hydric Soil I	ndicators:	(Applica	ble to all Li	RRs, unless otherwis	e noted	.)		Indicators for Proble	ematic Hydric Soils ³ :
Histosol (A	A1)			Sandy Redox (S5)			2 cm Muck (A10)	
Histic Epip	pedon (A2)			Stripped Matriz	k (S6)			Red Parent Mater	ial (TF2)
Black Hist	ic (A3)			Loamy Mucky	Mineral (I	F1) (except	in MLRA 1)	Other (Explain in	Remarks)
Hydrogen	Sulfide (A4)			Loamy Gleyed	Matrix (F	-2)			
Depleted	Below Dark	Surface (A	.11)	Depleted Matri	x (F3)				
L Thick Dar	k Surface (A	12)		Redox Dark Su	irface (F6	5)		³ Indicators of hydrophy	tic vegetation and
🗌 Sandy Mu	ck Mineral (S	51)		Depleted Dark	Surface	(F7)		wetland hydrology m	nust be present,
Sandy Gle	eyed Matrix (S4)		Redox depress	ions (F8)			unless disturbed or p	problematic.
Restrictive La	ayer (if pre	sent):							
Туре:									
Depth (incl	hes):							Hydric Soil Present?	Yes 🔾 No 🖲
Remarks:									
Soils lacking h	nydric indic	ators							

Wetland Hydrology Indicators:				
Primary Indicators (minimum of one required; ch	Secondary Indicators (minimum of two required)			
Surface Water (A1)	Water-Stained Leaves (B9) (MLRA 1, 2,			
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)		
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)		
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry Season Water Table (C2)		
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)		
Drift deposits (B3)	Oxidized Rhizospheres on Living Roots (C3)	Geomorphic Position (D2)		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)		
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	FAC-neutral Test (D5)		
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost Heave Hummocks (D7)		
Sparsely Vegetated Concave Surface (B8)				
Field Observations:				
Surface Water Present? Yes O No O	Depth (inches):			
Water Table Present? Yes O No 💿	Depth (inches):			
Saturation Present? Yes O No O	Depth (inches): Wetland H	ydrology Present? Tes \bigcirc NO \bigcirc		
Describe Recorded Data (stream gauge, monitor	well, aerial photos, previous inspections), if avail	able:		
Remarks:				
Area topographically higher than obvious wetland	d area - hydrology unlikely			

Project/Site: Harmoni Towers (RP59N01W097510A)	City/County: Bonner	Sa	Sampling Date: 29-Aug-23			
Applicant/Owner: Geist Environmental		State: ID	Sampling Point:	DP 6		
Investigator(s): Tom Duebendorfer, PWS	Section, Township, Rang	ge: S 9 T 59N	R_1W			
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, con	ivex, none): flat	Slope:	0.C % / 0.0 °		
Subregion (LRR): LRR E Lat.:	48.476838	_ong.: -116.465160	Datur	n: WGS 84		
Soil Map Unit Name: Selle-Elmira complex		NWI classific	ation: none			
Are climatic/hydrologic conditions on the site typical for this time of y	Year? Yes \bigcirc No \bigcirc	(If no, explain in Re	emarks.)	~		
Are Vegetation 🗌 , Soil 🗌 , or Hydrology 🗌 significan	tly disturbed? Are "Nor	mal Circumstances" pre	esent? Yes 🖲	No 🔾		
Are Vegetation 🗌 , Soil 🗌 , or Hydrology 🗌 naturally	problematic? (If neede	ed, explain any answers	in Remarks.)			

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	$_{ m Yes}$ \bigcirc	No 🖲	Is the Sampled Area	
Hydric Soil Present?	Yes \bigcirc	No 🖲		
Wetland Hydrology Present?	Yes \bigcirc	No 🖲	within a Wetland?	

Remarks:

None of three parameters met. Plot not in wetland.

Tree Stratum (Plot size: 30')	Absolute % Cover	_Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
1		0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2.	0	0.0%		
3.	0	0.0%		Total Number of Dominant
4.	0	0.0%		
apling/Shrub Stratum (Plot size: 20')	0	= Total Cov	ver	Percent of dominant Species That Are OBL, FACW, or FAC: (A/B)
1.		0.0%		Prevalence Index worksheet:
2.		0.0%		Total % Cover of: Multiply by:
3.		0.0%		OBL species $0 \times 1 = 0$
4.	0	0.0%		FACW species $0 \times 2 = 0$
5.	0	0.0%		EAC species $15 \times 3 - 45$
	0	= Total Cov	/er	$\frac{80}{80} \times 4 = \frac{320}{320}$
erb Stratum (Plot size: 0.1 ac)			-	$\begin{array}{ccc} \mathbf{F} \mathbf{A} \mathbf{C} \mathbf{C} \mathbf{S} \mathbf{P} \mathbf{C} \mathbf{C} \mathbf{S} \mathbf{S} \mathbf{S} \mathbf{S} \mathbf{S} \mathbf{S} \mathbf{S} S$
1. Conyza canadensis	60	✔ 46.2%	FACU	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2. Centaurea maculosa	35	✓ 26.9%	UPL	Column Totals: 130 (A) 340 (B)
3. Agrostis stolonifera	15	11.5%	FAC	Prevalence Index = $B/A = 4.154$
4. Sisymbrium altissimum	10	7.7%	FACU	Hydrophytic Vegetation Indicators:
5. Leucanthemum vulgare	10	7.7%	FACU	1 - Rapid Test for Hydrologic Vegetation
6		0.0%		2 - Dominance Test is > 50%
7	0	0.0%		\square 3 - Prevalence Index is <3.0 ¹
8				A Marshalanical Adaptations ¹ /Dravide comparting
9				data in Remarks or on a separate sheet)
10	0			\Box 5 - Wetland Non-Vascular Plants 1
.11	120			Problematic Hydrophytic Vegetation ¹ (Explain)
Noody Vine Stratum (Plot size:		- 10001000		¹ Indicators of hydric soil and wetland hydrology must
, ,	0	0.0%		be present, unless disturbed or problematic.
2.	0	0.0%		Hydrophytic
	0	= Total Cov	/er	Vegetation Procent? Yes No •
% Bare Ground in Herb Stratum: ()				

Depth		Matrix		Red	ox Feat	ures		_	
(inches)	Color (I	moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR	3/2	100%					Silt Loam	
2-10	10YR	4/2	100%					Silt Loam	
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Redu	ced Matrix, CS=Covere	d or Coa	ted Sand Gr	ains ² Loc	ation: PL=Pore Lining. M=M	atrix
Hydric Soil I Histosol (/ Histic Epip Black Hist Hydrogen	ndicators: A1) bedon (A2) ic (A3) Sulfide (A4)	(Applical	ble to all LF	Its, unless otherwis Sandy Redox (Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix	e noted S5) ((S6) Mineral (Matrix (F x (F3)	.) F1) (except F2)	in MLRA 1)	Indicators for Problem 2 cm Muck (A10) Red Parent Materia Other (Explain in R	matic Hydric Soils³: I (TF2) emarks)
Depleted Thick Darl Sandy Mu Sandy Gle	k Surface (A k Surface (A ck Mineral (S yed Matrix (5011aCe (A 12) 51) 54)	11)	Redox Dark Su Depleted Dark Depleted Dark Redox depress	rface (F6 Surface ions (F8)	5) (F7)		³ Indicators of hydrophyti wetland hydrology mu unless disturbed or pr	c vegetation and ist be present, oblematic.
Restrictive La	ayer (if pre	sent):							
Type: Depth (ind	nes):							Hydric Soil Present?	Yes 🔿 No 🖲
Remarks:									
Soils lacking ł	nydric indic	ators							
1									

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required;	Secondary Indicators (minimum of two required)	
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
 Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) 	 Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 	 Drainage Patterns (B10) Dry Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost Heave Hummocks (D7)
Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Image: Saturation Present? Saturation Present? Yes No Image: Saturation Present? Cincludes capillary fringe) Yes No Image: Saturation Present? Describe Recorded Data (stream gauge, monit	Depth (inches): Depth (inches): Depth (inches): Wetland H	lydrology Present? Yes O No 💿
Remarks: Area topographically higher than obvious wetla	and area - hydrology unlikely	

Project/Site: Harmoni Towers (RP59N01W097510A)	City/County: Bonner		Sampling Date: 29-Aug-23			
Applicant/Owner: Geist Environmental		State: ID	Sampling Point	t: DP 7		
Investigator(s): Tom Duebendorfer, PWS	Section, Township, Ra	nge: S 9 1	<u>59N</u> R <u>1W</u>			
Landform (hillslope, terrace, etc.): Lowland	Local relief (concave, c	onvex, none): flat	Slope:	0.C % /00 °		
Subregion (LRR): LRR E Lat.:	48.476944	Long.: -116.46552	8 Da	tum: WGS 84		
Soil Map Unit Name: Pywell-Hoodoo complex		NWI cla	ssification: <u>PEM1C</u>			
Are climatic/hydrologic conditions on the site typical for this time of your Are Vegetation, Soil, or Hydrology significant	ear? Yes 🖲 No 🖯 tly disturbed? Are "No) (If no, explain ormal Circumstances	in Remarks.) " present? Yes	D No ()		
Are Vegetation, Soil, or Hydrology naturally	problematic? (If nee	ded, explain any ans	wers in Remarks.)			

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes 🖲	No 🔿	Is the Sampled Area	
Hydric Soil Present?	Yes 🖲	No	within a Watland2	Yes 🖲 No 🔾
Wetland Hydrology Present?	Yes 🖲	No O	within a wetland?	

Remarks:

All three parameters met. Plot is in a wetland.

		Rel.Strat.	Indicator	Dominance Test worksheet:
	% Cover		Status	Number of Dominant Species
1				That are OBL, FACW, or FAC: (A)
2	0			Total Number of Dominant
3	0			Species Across All Strata: <u>3</u> (B)
4	0	0.0%		
Sapling/Shrub Stratum (Plot size: 20')	0	= Total Cov	er	That Are OBL, FACW, or FAC:100.0% (A/B)
1		0.0%		Prevalence Index worksheet:
2.		0.0%		Total % Cover of: Multiply by:
3.		0.0%		OBL species $50 \times 1 = 50$
4.	0	0.0%		$\frac{1}{1} = \frac{1}{1} = \frac{1}$
5.	0	0.0%		$\frac{1}{85} = 2$
		- Total Car		FAC species $33 = 233$
lerb Stratum (Plot size: 0.1 ac)			er	FACU species x 4 = 5 25
1. Carex flava	50	✔ 34.5%	OBL	UPL species $x = 25$
2. Symphyotrichum spathulatum	35	24.1%	FAC	Column Totals: 145 (A) 350 (B)
3 Agrostis stolonifera	30	20.7%	FAC	Prevalence Index = $B/A = 2.414$
4_Solidago lepida	20	13.8%	FAC	
5_Hieracium pratense	5	3.4%	UPL	Hydrophytic Vegetation Indicators:
6 Centaurium pulchellum	5	3.4%	FACU	□ 1 - Rapid Test for Hydrologic Vegetation
7	0	0.0%		\checkmark 2 - Dominance Test is > 50%
8	0	0.0%		✓ 3 - Prevalence Index is \leq 3.0 ¹
9	0	0.0%		4 - Morphological Adaptations ¹ (Provide supporting
).)	0	0.0%		data in Remarks or on a separate sheet)
11	0	0.0%		5 - Wetland Non-Vascular Plants
	145	= Total Cov	er	Problematic Hydrophytic Vegetation ¹ (Explain)
Voody Vine Stratum (Plot size:)	-			¹ Indicators of hydric soil and wetland hydrology must
1	0	0.0%		be present, unless disturbed or problematic.
2				Hydrophytic
2		0.0%		Vegetation
N. Paus Countrie Harb Charlenne A				Present? ICS VIV V
% Bare Ground in Herb Stratum: ()				

Depth		Matrix			Red	ox Featu	res		_	
(inches)	Color (moist)	%	Color (r	noist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR	3/2	100%						Silt Loam	
2-10	10YR	4/2	80%	7.5 YR	4/6	20%	С	M	Silt Loam	
¹ Type: C=Con	centration. D	=Depletio	n. RM=Redu	uced Matrix,	CS=Covere	ed or Coat	ed Sand Gr	ains ² Loc	cation: PL=Pore Lining. M=M	1atrix
Hydric Soil I	indicators:	(Applica	ble to all L	RRs, unless	otherwis	e noted.)		Indicators for Proble	matic Hydric Soils ³ :
	AI)			San Stri	dy Redox (aped Matri	(55) v (56)				
	$ic (\Delta 3)$				mv Muckv	Mineral (F	1) (excent	in MI RA 1)	Red Parent Materia	al (TF2)
Hydrogen	Sulfide (A4)	1			mv Gleved	Matrix (F	2) (encept 2)			(enarks)
	Below Dark	Surface (A	11)	🖌 Dep	leted Matr	ix (F3)	,			
Thick Dar	k Surface (A	12))	Red	ox Dark Sı	urface (F6)		³ Indicators of hydrophyt	ic vegetation and
Sandy Mu	ck Mineral (51)		🗌 Dep	leted Dark	Surface (F7)		wetland hydrology m	ust be present,
Sandy Gle	eyed Matrix (54)		Red	ox depress	sions (F8)			unless disturbed or pr	roblematic.
Restrictive L	ayer (if pre	sent):								
Туре:										$\hat{}$
Depth (inc	hes):								Hydric Soil Present?	Yes 🔍 No 🔾
Remarks:										
Soils shows h	ydric indica	ators								

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; c	Secondary Indicators (minimum of two required)	
Surface Water (A1)	Water-Stained Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Dry Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift deposits (B3)	Oxidized Rhizospheres on Living Roots (C3)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	FAC-neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Frost Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes O No •	Depth (inches):	
Water Table Present? Yes O No 🖲	Depth (inches):	
Saturation Present? Yes O No O	Depth (inches): Wetland H	ydrology Present? Yes S NO C
Describe Recorded Data (stream gauge, monitor	well, aerial photos, previous inspections), if avail	lable:
Remarks:		
area topographically lower than obvious mounded	ed area - spring hydrology very likely	

Tom Duebendorfer - Professional Wetland Scientist (#000157), Biologist, Botanist OBJECTIVE

Provide botanical and ecological services to a wide range of organizations and individuals for projects involving land development, wetland delineation, vegetation mapping, rare plant surveys, resource inventories, Environmental Assessments, Biological Evaluations and Assessments, and research-level studies on specific habitats or species.

EDUCATION

WSPSS, SWS Hydric Soils Workshop, Soils and Hydrology, June 2009
Wetland Training Institute, Soils and Hydrology, August 1990
Humboldt State University, Arcata, California
M.A. Biology May 1987
California State Teaching Credential May 1987
B.A. Biology June 1977
University of California, Irvine (2 years - biology major)

EMPLOYMENT

• Self-employed wetland and botanical consultant (1981 to present)

Provided botanical and wildlife surveys, floristic research, habitat characterization, ecological sampling, synecological analysis, aerial photo mapping, wetland delineation, impact analysis, restoration and mitigation, resource planning, permitting, rare and endangered plant surveys, plant taxonomy, soil analysis, computer-aided multivariate analyses and statistics, computer-aided graphics and drafting. Involved with design (as part author/editor) of Washington Dept of Ecology Hydrogeomorphic approach to wetland function assessment program (Assessment Team). Trained in E WA DOE Assessment Methodology (assisted in development of the methodology). Wetland Mitigation Bank preparation. Teaches wetland delineation and plant identification courses to Tribes, agencies, and groups.

Project locations include rare plant surveys/studies and wetland work in southern, central, northern and coastal California; coastal, southwestern, and northeastern Oregon; north, east-central, and southwest Idaho; eastern and western Washington; and northwest Montana.

• Senior Wetland Ecologist, Client/Project Manager, Corporate Botanist (1989-1994)

David Evans and Associates, Inc. Bellevue, Washington

Provided wetland delineation, impact assessment, conceptual and final mitigation design, monitoring, cumulative impact assessment, wetland permitting, habitat characterization, rare plant and T&E animal surveys, Biological Evaluations and Assessments, as well as instruction and guidance in systematics and classification to staff in 7 west coast offices. Maintained excellent rapport with clients and other project team members (both in office and as field crew leader). Managed projects from proposals, contracting, budgeting, scheduling and invoicing, to collections.

Project locations include: Pacific Northwest, from central and coastal Oregon to eastern, western, and coastal Washington, and northwest Montana.

CERTIFICATIONS

Professional Wetland Scientist, Society of Wetland Scientists (#000157) Certified Wetland Delineator, Corps of Engineers (Seattle District) Qualified Wetland Specialist, Spokane County, Washington Qualified Wetland Specialist, City of Spokane, Washington Completed Training in NEPA/EPA Process Completed Soils and Hydrology workshops (WTI); Hydric Soils (WSSPSS - Updates 2009)

Tom Duebendorfer - Professional Wetland Scientist (#000157), Biologist, Botanist

SPECIFIC EXPERIENCE

Habitats include: dune coastline, coastal and inland forested, scrub, and marsh wetlands, oak woodlands, steppe scrubland, grasslands, sagebrush, agricultural areas (wetlands), coniferous and deciduous montane, alpine, bog (fen), and serpentine vegetation.

Permitting knowledge and direct use of wetland methodologies (USFWS, US Army Corps of Engineers, WA Dept of Ecology, and local county and city jurisdictions); knowledge of Corps Permit process. Restoration activities. Biological Assessments (BA), USFS Evaluations (BE), Environmental Assessments (EA); SEPA/NEPA; T&E species monitoring, Raptor Monitoring, Wetland Mitigation Bank Design.

Rare plant studies include approximately 45 sensitive plant and vegetation surveys on private, state, and federal lands for small to medium scale hydroelectric plants, stream corridors, sewage treatment facilities, water treatment facilities, prison site, seeding experiments, road and highway construction, transmission corridors (utilities), fiber optic cable routes, and mining companies. Biological Evaluations for USFS-listed sensitive species in four states.

<u>Clients</u> (independently and during tenure as employee) include:

Small- and Large-scale Developers:

Burlington-Northern, Puget Western, Glacier Park Company, Trillium Corporation, Quadrant, Blackhawk/Port Blakely Communities, Coldwater Creek, Valencia Wetlands Trust, Waterfront Property Mgmt., Kirk-Hughes Development, Fortress LLC, & others

Public Entities:

Washington Department of Ecology, Benewah County (through EDA), Federal Highways Administration, Bureau of Reclamation, King Co., US Army Corps of Engineers, Spokane County Engineering and Public Works, Oregon Nature Conservancy, Humboldt County Planning, Humboldt State University Research Program; Benewah County; Idaho Soil and Conservation District, City of Winchester, Idaho Transportation Department, Washington Department of Transportation, Kalispell Indian Tribe, City of Colville, Rathdrum

Communications (fiber optic projects): AT&T, MCI/WorldCom, Cascade Utilities

Exploratory and Active Mining Companies:

Emerald Creek Garnet Company, American Gold Resources, Cal Nickel Corp., Baretta, Noranda

Assisting other Consulting Firms and Numerous Private Landowners.

The Soils Group, Intermountain Resources, Inc., Hart-Crowser, Inc., Welch-Comer Eng., Land Profile, Inc., Selkirk Environmental, David Evans and Associates, J.A. Sewell and Assoc., EarthTech, ALSC Architects; Ecological Resources, Forsgren Assoc., JUB Eng., Adolfson Assoc. Copper Basin Constr., Toothman-Orton Eng., Rocky Point Investments, HAWKEFA, Tate Engineering.

PUBLICATIONS

- Duebendorfer, T.E. 1990. "An Integrated Approach to Enhancing Rare Plant Populations through Habitat Restoration: II. Habitat Characterization through Classification of Dune Vegetation." Pp. 478-487 in: Bonnicksen, T.M. and H.G. Hughes, eds. Proceedings of the first annual meeting of the Society for Ecological Restoration and Management. Also presented at Society of Wetland Scientists, May 1993.
- Pickart, A.J., L.M. Miller, and T.E. Duebendorfer. 1998. "Yellow bush lupine invasion in northern California coastal dunes. I. Ecological impacts and manual restoration techniques". Restoration Ecology Vol 6 No 1, pp59-68.
- Seattle Audubon Series, "Wetland Plants of the Western Washington and NW Oregon" (Cooke 1997, editor): My role was as a contributor and technical editor.
- Hruby, T., S. Stanley, T. Granger, T. Duebendorfer, R. Friesz, B. Lang, B. Leonard, K. March, and A. Wald. 2000. Methods for Assessing Wetlands Functions. Volume II, Part 1: Assessment Methods - Depressional Wetlands in the Columbia Basin of Eastern Washington, WA State Department of Ecology Publication #00-06-47.

Fieldbook of Plant Uses (North Idaho) - self published field booklet (2019)

Compliance Scope Wetland Delineation for a New Site Build Harmoni Towers Proposed Monopole Location Verizon Wireless Name #: SPO Naples 211 Cindy Lane, Sandpoint, Idaho GE²G Project # 311746



Appendix B: Tabular Field Data Points with Names Latitude and Longitude

GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC. 4200 Park Boulevard #149, Oakland, California 94602 510.238.8851 (p) / sgeist@geistenvironmental.com Field Offices: Arizona, California, Colorado, Oregon, and Washington Compliance Scope Wetland Delineation for a New Site Build Harmoni Towers Proposed Monopole Location Verizon Wireless Name #: SPO Naples 211 Cindy Lane, Sandpoint, Idaho GE²G Project # 311746



Waypoint	Latitude	Longitude
A1,	48.47642033833333,	-116.466189447667,
A2,	48.4765651736667,	-116.465971134833,
A3,	48.4767236143333,	-116.465746612,
A4,	48.4768503448333,	-116.465543093833,
A5,	48.4769560568333,	-116.4653411315,
A6,	48.4771065231667,	-116.465173636,
A7,	48.4772786036667,	-116.465135079833,
A8,	48.4774776535,	-116.465156812833,
A9,	48.4776078411667,	-116.4653080725,
A10,	48.477702358,	-116.465453737667,
A11,	48.4777822401667,	-116.465558053333,
A12,	48.4779262968333,	-116.465574556333,
A13,	48.4780613076667,	-116.465577063833,
A14,	48.4781378701667,	-116.465532251833,
A15,	48.4781250058333,	-116.465359297667,
A16,	48.478142573,	-116.465143025,
A17,	48.4781904971667,	-116.465041868333,
A18 Fence	48.4782426676667,	-116.4649428325,
DP 1,	48.4781905243333,	-116.465343478667,
DP 2,	48.4780818263333,	-116.465283282167,
DP 3,	48.4777556336667,	-116.465237043,
DP 4,	48.4777693288333,	-116.465613728,
DP 5,	48.4778744178333,	-116.464673106,
DP 6,	48.4768378511667,	-116.465160420833,
DP 7,	48.4769441028477,	-116.465528237246,
Ph 1 V S,	48.4777884778333,	-116.465405429167,
Ph 2 V S,	48.4774401363333,	-116.4650252695,
Ph 3 V S,	48.477772608,	-116.464625416833,
Ph 4 V SW	,48.47689452,	-116.465408163667,
Ph 5 V N,	48.4764424778333,	-116.4657560465,

Note: Contact GE²G for (KML, CSV, GPX) files, if required <u>sgeist@geistenvironmental.com</u>