

APPENDIX F

Drainage Relationships of Wetlands

Table F1. Drainage Relationships of Wetlands.

Distance to nearest Traditional Navigable Water (TNW) and Relatively Permanent Water (RPW) tributaries were measured as the number of feet (ft.) or miles (mi.) that the wetland was located upstream from the confluence with the nearest RPW tributary or TNW based on observed and likely drainage patterns.

Wetland Name	Location	Size (acres)	Drainage association/ classification	Hydrogeomorphic class	Distance from RPW	Distance from TNW	Wetland drains to:
1	Northwest corner of site	44.21	Abuts Stream 3.	Depressional	0	0.9 mi. ¹	Infiltrates to groundwater north of Lonseth Rd.
2	Northwest corner of site	48.94	Abuts Streams 1 and 4	Slope	0	0.9 mi.	Stream 1 and Stream 4, to Straight of Georgia
3	Northern portion of site	144.37	Abuts Streams 1, 4, and 6	Slope	0	1.2 mi.	Streams 6 and 4 - Straight of Georgia
4A	Eastern portion of site	26.62	Abuts RPW tributary on south side of Lonseth Rd.	Slope	0	2.3 mi.	RPW tributary on south side of Lonseth road - Stream 6 - Stream 5 - Stream 1 - Straight of Georgia
4B	Eastern portion of site	4.36	Abuts non-RPW tributary on the west side of Kickerville Rd.	Depressional	800.	2.5 mi.	Non-RPW tributary on west side of Kickerville Rd. - RPW tributary on south side of Lonseth road - Stream 6 - Stream 5 - Stream 1 - Straight of Georgia

Wetland Name	Location	Size (acres)	Drainage association/ classification	Hydrogeomorphic class	Distance from RPW	Distance from TNW	Wetland drains to:
4C	Eastern portion of site	0.15	Abuts non-RPW tributary on the west side of Kickerville Rd.	Depressional	0.4 mi.	2.7 mi.	Non-RPW tributary on west side of Kickerville Rd. - RPW tributary on south side of Lonseth road - Stream 6 - Stream 5 - Stream 1 - Straight of Georgia
4D	Eastern portion of site	1.31	Adjacent to but not abutting the non-RPW tributary on the north side of Henry Rd.	Slope	0.7 mi.	2.7 mi.	Infiltrates to groundwater
4F	Eastern portion of site	1.07	Isolated	Slope	0.3 mi.	2.6 mi.	Infiltrates to groundwater.
5A	Eastern portion of site	95.24 (on-site)	Abuts RPW tributary on the south side of Lonseth Rd.	Slope	0	1.7 mi.	RPW tributary on south side of Lonseth road - Stream 6 - Stream 5 - Stream 1 - Straight of Georgia
5B	Eastern portion of site	0.13	Isolated	Depressional	0.3 ft	2.0 mi.	Infiltrates to groundwater
5C	Eastern portion of site	0.22	Adjacent to but not abutting Stream 5	Slope	30 ft	1.9 mi.	Infiltrates to groundwater
6	Central portion of site	36.93	Abuts Stream 6 and the RPW tributary on south side of Lonseth	Slope	0	0.9 mi.	Stream 6 - Stream 5 - Stream 1 - Straight of Georgia

Wetland Name	Location	Size (acres)	Drainage association/ classification	Hydrogeomorphic class	Distance from RPW	Distance from TNW	Wetland drains to:
			Rd.				
7A	Western portion of site	40.06	Abuts Stream 5, and the RPWs on the east side of Gulf Rd. and the south side of Lonseth Rd.	Slope	0	0.5 mi.	Stream 5 - Stream 1 - Straight of Georgia
7B	Western portion of site	0.59	Isolated	Depressional	500 ft.	0.8 mi.	Infiltrates to groundwater
8A	Western portion of site	24.69	Abuts Stream 1	Slope	0	0.6 mi.	Stream 1 to Strait of Georgia
8B	Western portion of site	0.15	Abuts RPW on south side of Lonseth Rd.	Depressional	0	1.0 mi.	RPW on south side of Lonseth Rd - Stream 1 - Straight of Georgia
9A	Western portion of site	24.81	Abuts Stream 5	Slope	0	0.7 mi.	Stream 5 - Stream 1 -Straight of Georgia
9B	Western portion of site	0.18	Isolated	Depressional	675 ft.	0.8 mi.	Infiltrates to groundwater
10A	Southwest corner of site	3.73	Abuts RPW tributary on south side of Henry Rd.	Slope	0	0.6 mi.	Infiltrates to groundwater
10B	Southwest corner of site	0.04	Isolated	Depressional	N.A.	450 ft.	Infiltrates to groundwater
11A	Southern portion of site	3.54	Abuts Stream 1	Riverine	0	450 ft.	Stream 1, to Strait of Georgia
11B	Southern portion of site	.003	Isolated	Depressional	250 ft.	550 ft.	Infiltrates to groundwater

Wetland Name	Location	Size (acres)	Drainage association/ classification	Hydrogeomorphic class	Distance from RPW	Distance from TNW	Wetland drains to:
12	Southern portion of site	11.17	Abuts Strait of Georgia	Depressional	N.A.	0	Strait of Georgia
13A	Southern portion of site	5.50	Abuts Stream 2	Riverine	0	0.4	Stream 2, to Strait of Georgia
13C	Southern portion of site	0.02	Isolated	Depressional	125 ft.	0.4 mi.	Infiltrates to groundwater
13D	Southern portion of site	0.37	Adjacent to but not abutting Stream 2	Slope	200 ft.	0.4 mi.	Infiltrates to groundwater
13E	Southern portion of site	0.06	Abuts Stream 2	Riverine	0	0.4 mi.	Stream 2
13F	Southern portion of site	0.62	Abuts Strait of Georgia	Depressional	N.A.	0	Strait of Georgia
13G	Southern portion of site	0.37	Isolated	Depressional	N.A.	140 ft.	Infiltrates to groundwater
14	Southwest portion of site	0.67	Adjacent to but not abutting RPW on south side of Henry Rd.	Depressional	15 ft.	0.5 mi.	Infiltrates to groundwater

Table F2. Characteristics of on-site wetlands, and distance to nearest Traditional Navigable Water (TNW) and Relatively Permanent Water (RPW).

Distances between wetland and tributaries were measured as the number of feet (ft.) or miles (mi.) that the wetland was located upstream from the confluence with the nearest RPW tributary or TNW based on observed and inferred drainage patterns.

Name of drainage	General Location	Drainage Path to Strait of Georgia	Length (mi.)	Width (ft.)	Depth (ft.)	Class ¹	Adjacent wetlands	Distance from RPW (mi.)	Distance from TNW (mi.)
Stream 1	Western portion of site	Strait of Georgia	1.25	various	various	RPW tributary	2, 3, 8A, 11A	N.A.	0
Stream 2	Eastern portion of site	Strait of Georgia	0.96	various	various	RPW tributary	13A, 13D	N.A.	0
Stream 3	South side of Alder Grove Rd.	East of Gulf Rd.: Stream 6 – Stream 4 – Stream 1 – Gulf of Georgia. West of Gulf Rd.: Wetland 1.	1.3	3 to 5	2 to 3	RPW tributary	1,3	N.A.	1.7
Stream 4	North side of Lonseth Rd.	Stream 1 – Strait of Georgia	1.7	3 to 5	2 to 3	RPW tributary	2, 3	N.A.	0.9
Stream 5	North side of Henry Rd., west of the railroad tracks	Stream 1 – Strait of Georgia	1.8	3 to 5	2 to 3	RPW tributary	5A, 5C, 7A, 9A	N.A.	0.4

Name of drainage	General Location	Drainage Path to Strait of Georgia	Length (mi.)	Width (ft.)	Depth (ft.)	Class ¹	Adjacent wetlands	Distance from RPW (mi.)	Distance from TNW (mi.)
Stream 6	East side of Gulf Rd.	North of Henry Rd.: Stream 4 or 5 – Stream 1 – Gulf of Georgia. South of Henry Rd.: Stream 2 – Strait of Georgia.	1.4	3 to 5	2 to 3	RPW tributary	3, 6	N.A.	0.1
Stream 7	East side of railroad berm	RPW tributary on south side of Lonseth Rd. – Stream 6 – Stream 5 – Stream 1 – Strait of Georgia	0.2	No Data	No Data	RPW tributary	4A	N.A.	2.3
Drainage 1	South side Lonseth Rd.	East of Gulf Rd.: Stream 6 – Stream 5 – Stream 1 – Strait of Georgia. West of Gulf Rd.: Stream 1 – Strait of Georgia.	1.7	2 to 4	1 to 3	RPW tributary	4A, 5A, 6, 7A, 8B	N.A.	0.9
Drainage 2	North side of Lonseth Rd, east of railroad tracks	Wetland 5A – RPW south of Lonseth Rd.-Stream 6 – Stream 5 – Stream 1 – Strait of Georgia.	0.2	2 to 4	1 to 3	Non-RPW tributary	4D, 4E	0.5	2.5
Drainage 3	South side of Henry Rd., east of Gulf Rd.	Stream 6- Stream 2 – Strait of Georgia	1.2	2 to 5	1 to 3	Non-RPW tributary	none	0	0.4

Drainage 4	South side of Henry Rd., west of Gulf Rd.	Stream 1 - Strait of Georgia.	0.8	2 to 5	1 to 3	RPW tributary	10A, 14	N.A.	0.4
Drainage 5	West side of Gulf Rd.	North of Henry Rd.: Stream 4 or 5 - Stream 1 - Strait of Georgia. South of Henry Rd. to Stream 2 - Strait of Georgia.	1.4	2 to 4	1 to 3	RPW tributary	2, 7A, 12	N.A.	0.1
Drainage 6	West side of Kickerville Rd.	RPW tributary on south side of Lonseth Rd. -Stream 6 - Stream 5 - Stream 1 - Strait of Georgia.	0.5	1 to 3	1 to 2	Non-RPW tributary	4B, 4C	0	2.5

¹ According to Rapanos Guidance