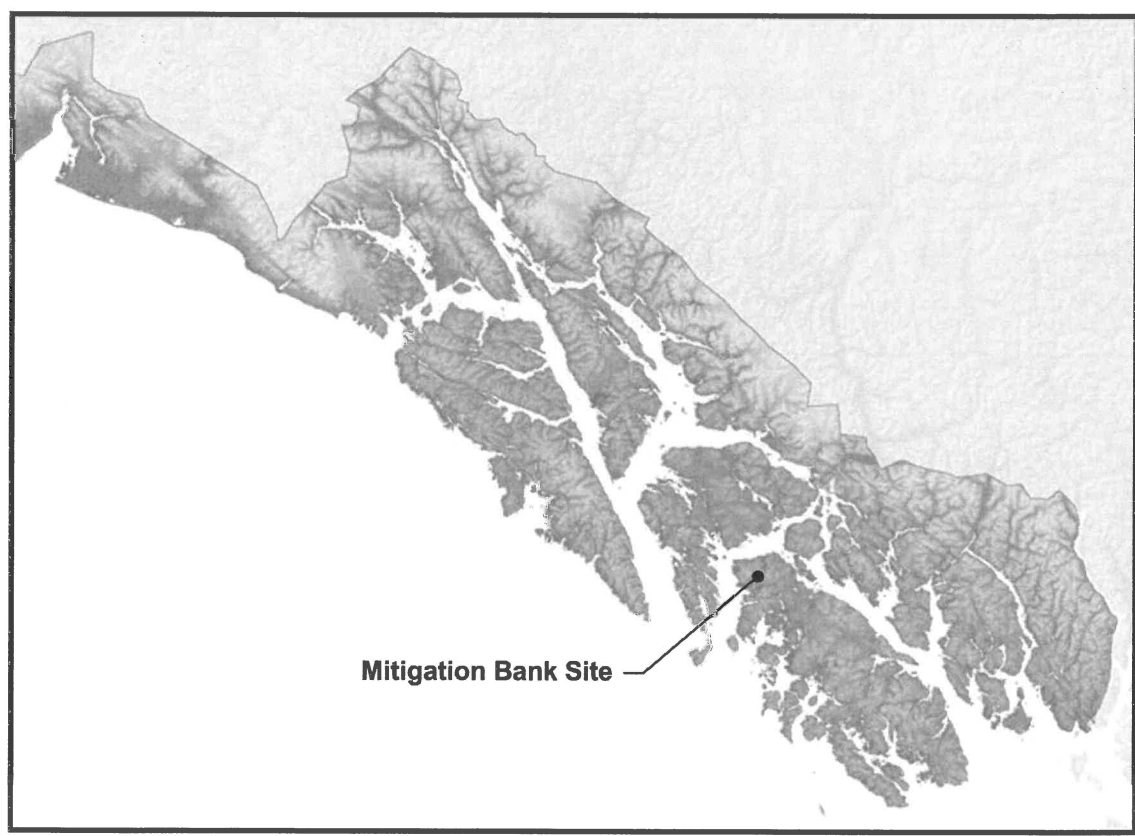


Project Location
Prince of Wales Island, Alaska



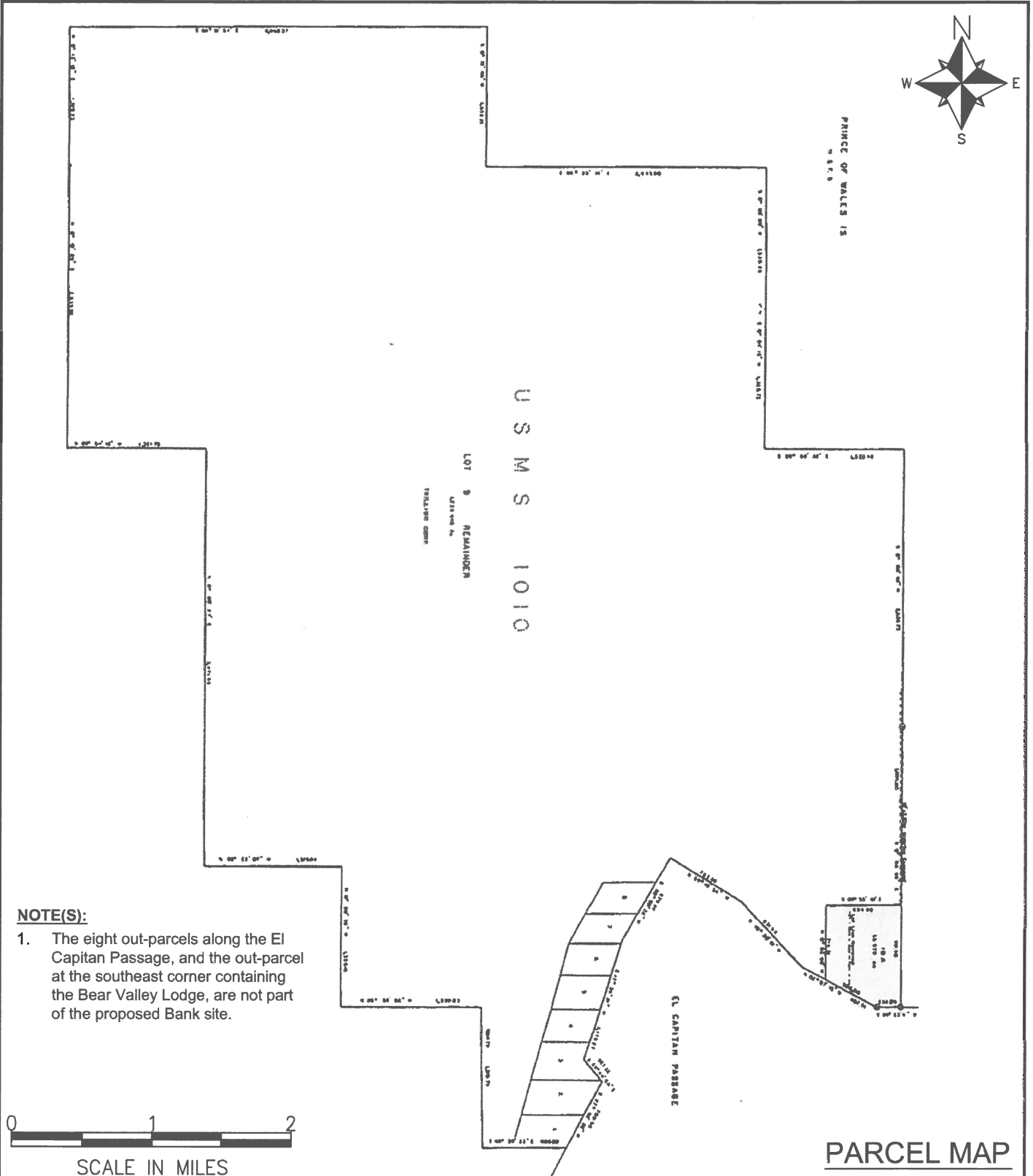
Mitigation Bank Site

NOT TO SCALE

SITE LOCATION

1/31/2014 2:44 PM S:\Prince of Wales-AK\558-CRC\558.10-Trillium Property\558.01-Figures\558.10_MT.dwg Brian

CITY:	BOROUGH: Prince of Wales	STATE: Alaska	APPLICANT: Columbia River Carbonates
DIRECTIONS TO SITE:			FILE #:
The proposed Trillium Mitigation Bank is located approximately 151 miles southeast of Juneau, on the northern part of Prince of Wales Island, directly north of El Capitan Passage in Alaska. The site is accessed by boat, helicopter or float plane.			WATERWAY: El Capitan Creek Watershed
			PROPOSED ACTIVITY: Mitigation Bank
			SECTIONS: 3,4,9,10 T. 66S R. 78E M. Copper River Meridian
			LAT.: 56.1755 °N LONG.: -133.3471 °W
			SHEET 1 OF 3 DATE: 1/31/14



NOTE(S):

1. The eight out-parcels along the El Capitan Passage, and the out-parcel at the southeast corner containing the Bear Valley Lodge, are not part of the proposed Bank site.

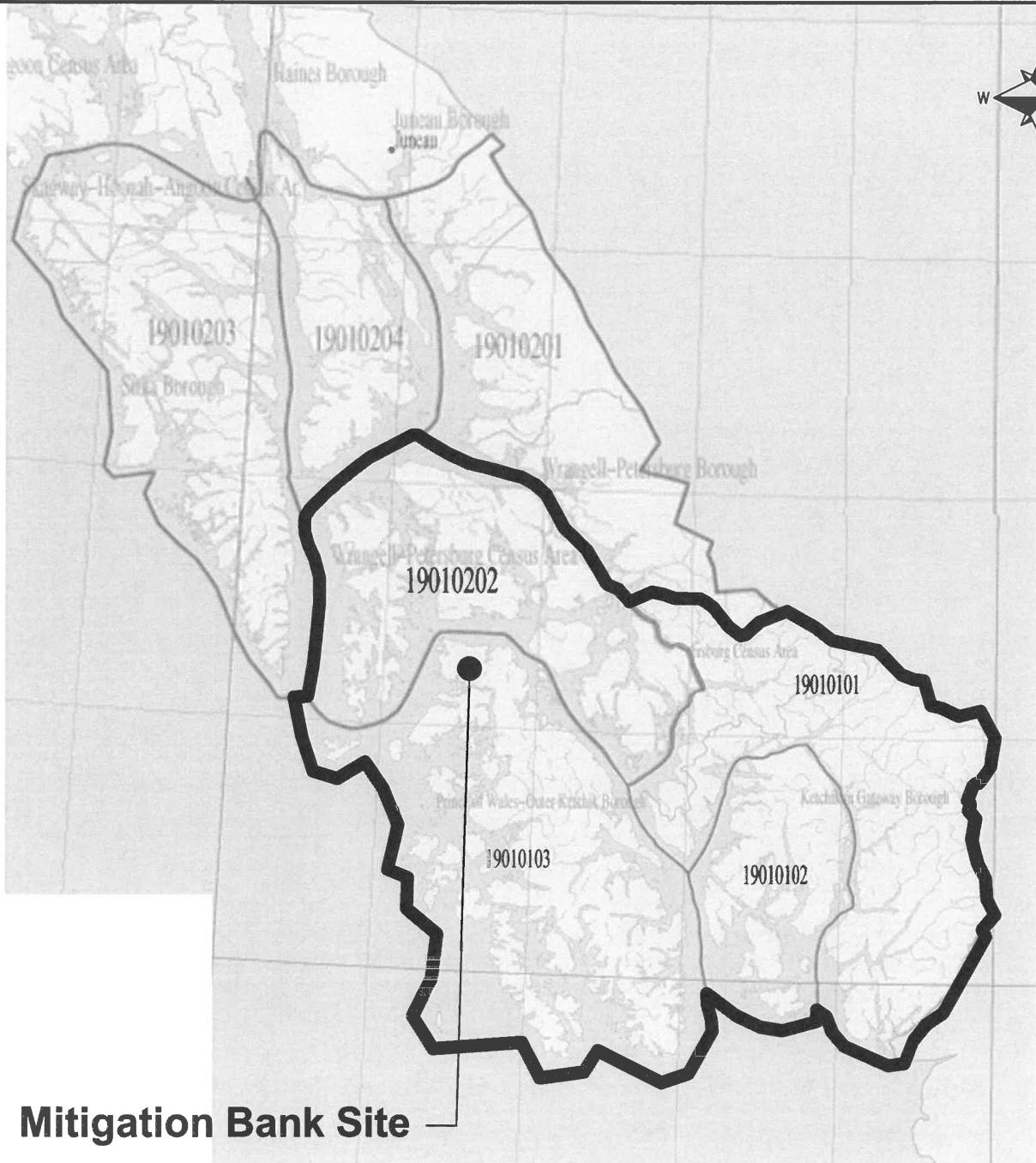


PARCEL MAP

CITY: **BOROUGH:** Prince of Wales **STATE:** Alaska
DIRECTIONS TO SITE:
 The proposed Trillium Mitigation Bank is located approximately 151 miles southeast of Juneau, on the northern part of Prince of Wales Island, directly north of El Capitan Passage in Alaska.
 The site is accessed by boat, helicopter or float plane.

APPLICANT: Columbia River Carbonates
FILE #:
WATERWAY: El Capitan Creek Watershed
PROPOSED ACTIVITY: Mitigation Bank
SECTIONS: 3,4,9,10 **T.** 66S **R.** 78E **M.** Copper River Meridian
LAT.: 56.1755 °N **LONG.:** -133.3471 °W
SHEET 2 OF 3 **DATE:** 1/31/14

1/31/2014 2:44 PM S:\Prince of Wales-AK\558-CRC\558.10-Trillium Property\558.01-Figures\558.10_MT.dwg Brian



Mitigation Bank Site

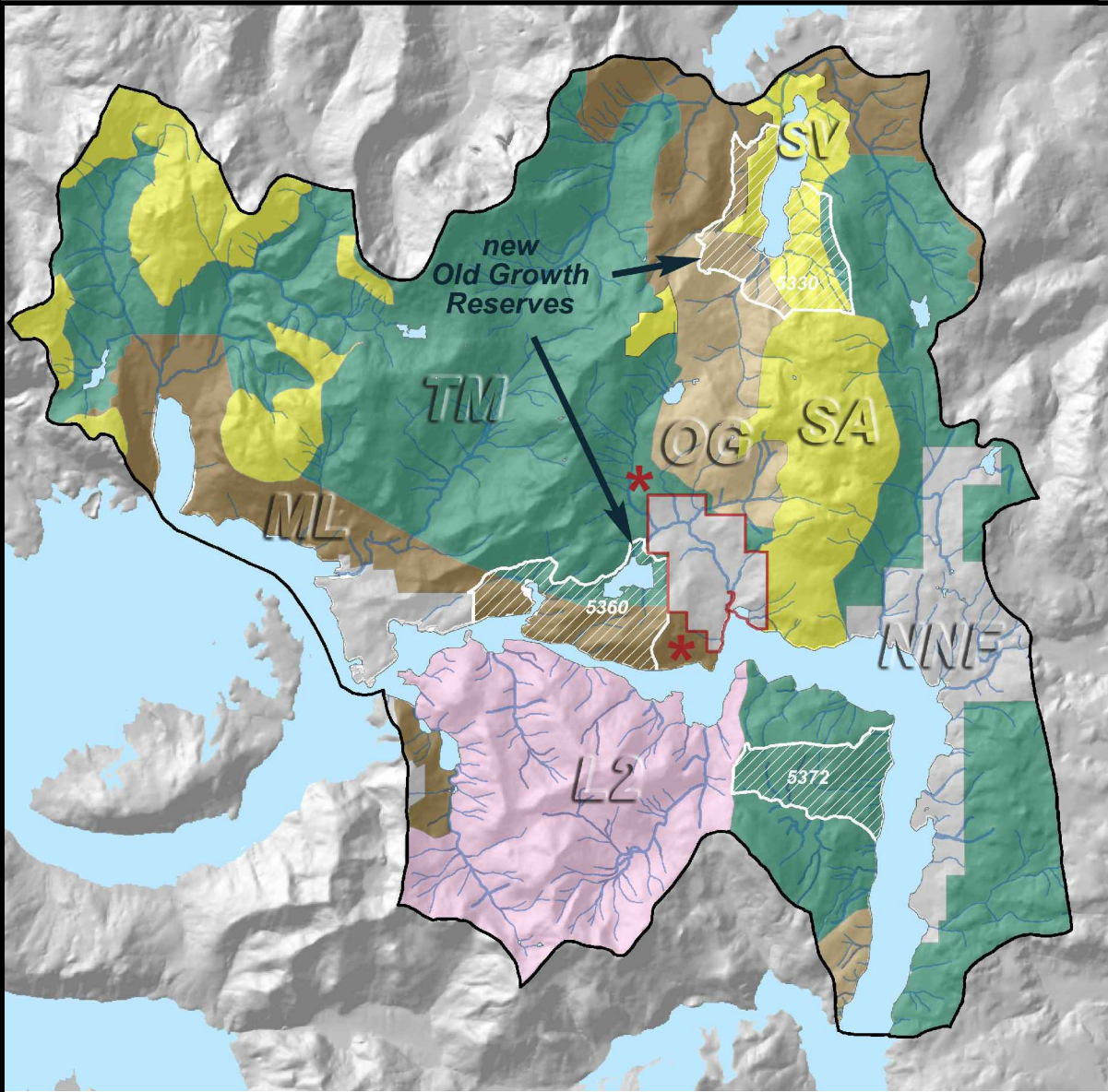
LEGEND:

— Service Area Boundary

NOT TO SCALE

SERVICE AREA MAP

CITY:	APPLICANT: Columbia River Carbonates
BOROUGH: Prince of Wales	FILE #:
STATE: Alaska	WATERWAY: El Capitan Creek Watershed
DIRECTIONS TO SITE:	PROPOSED ACTIVITY: Mitigation Bank
The proposed Trillium Mitigation Bank is located approximately 151 miles southeast of Juneau, on the northern part of Prince of Wales Island, directly north of El Capitan Passage in Alaska.	SECTIONS: 3,4,9,10 T. 66S R. 78E M. Copper River Meridian
The site is accessed by boat, helicopter or float plane.	LAT.: 56.1755 °N LONG.: -133.3471 °W
	SHEET 3 OF 3 DATE: 1/31/14



LEGEND:

— Mitigation Bank Site

Land Use Designation (LUD) Key

SA	Special Area
OG	Old Growth Reserve
TM	Timber Production
ML	Managed Landscape
SV	Scenic Viewshed

Note:


Original ML unit(s) with white hatching have been overlaid with recent additions to OG that preempt the underlying LUD.

NOTE(S):

1. Tongass National Forest LUD mapping from *El Capitan GIS Scoping* (R. Carstensen 2013).

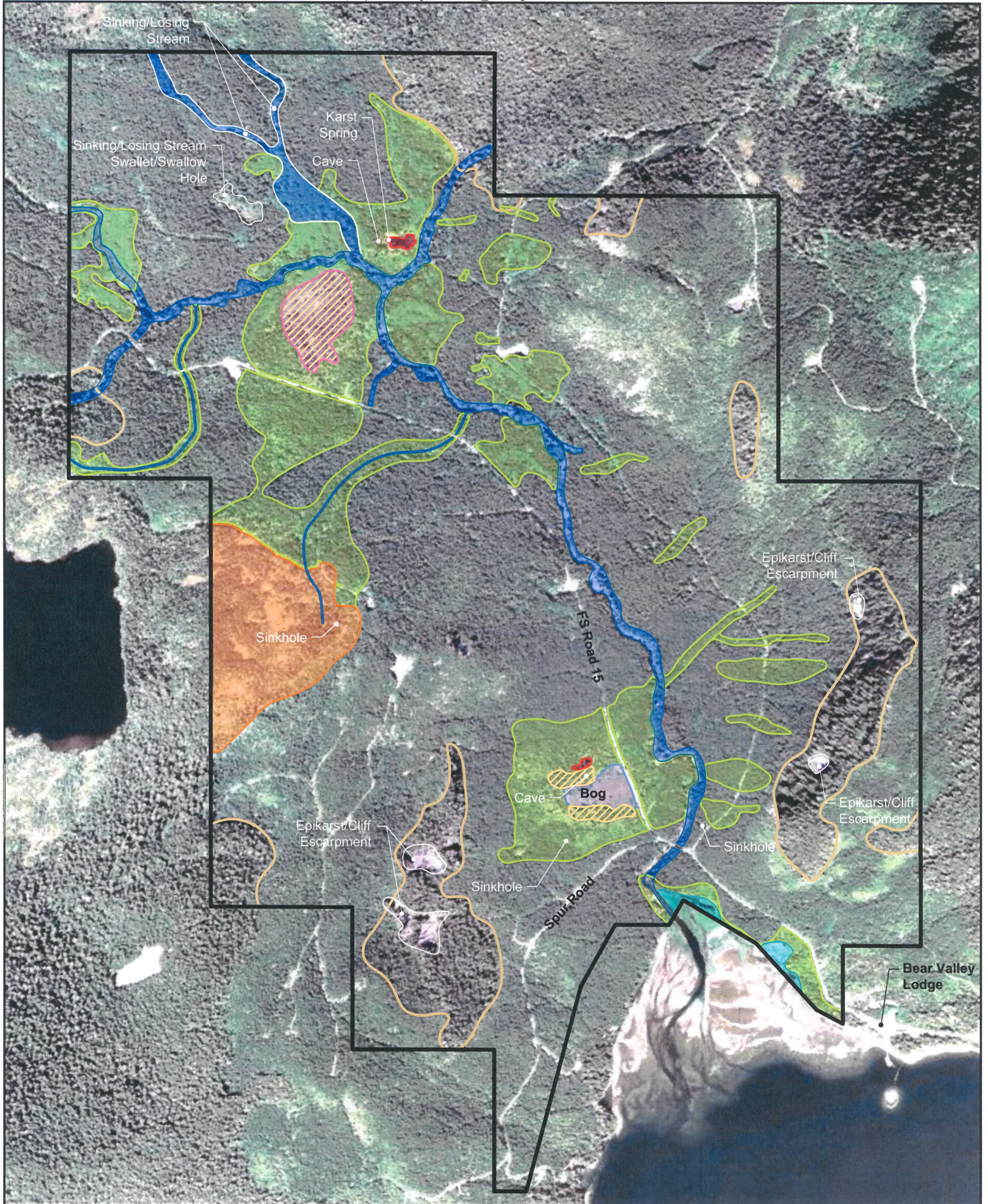
Figure 1
ADJACENT LAND USE DESIGNATION MAP
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3, 4, 9 & 10, Township 66S, Range 78E, W.M.

DATE: 1/31/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

ECOLOGICAL LAND SERVICES, INC.

 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305

NOT TO SCALE



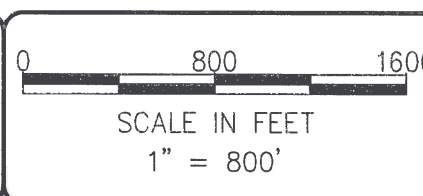


LEGEND:

- | | |
|--|--------------------------------|
| Mitigation Bank Site (1,227 Ac.) | High Salt Marsh (~3 Ac.) |
| El Capitan Creek & Tributaries (~28,000 Lf.) | Pond (~2 Ac.) |
| Forested Wetland (~196 Ac.) | Alaskan Yellow Cedar (~13 Ac.) |
| Bog Wetland (~4 Ac.) | Karst Feature |
| Fen/Forested Wetland (~10 Ac.) | Mature Forest |
| Fen/Bog Mosaic (~44 Ac.) | |

NOTE(S):

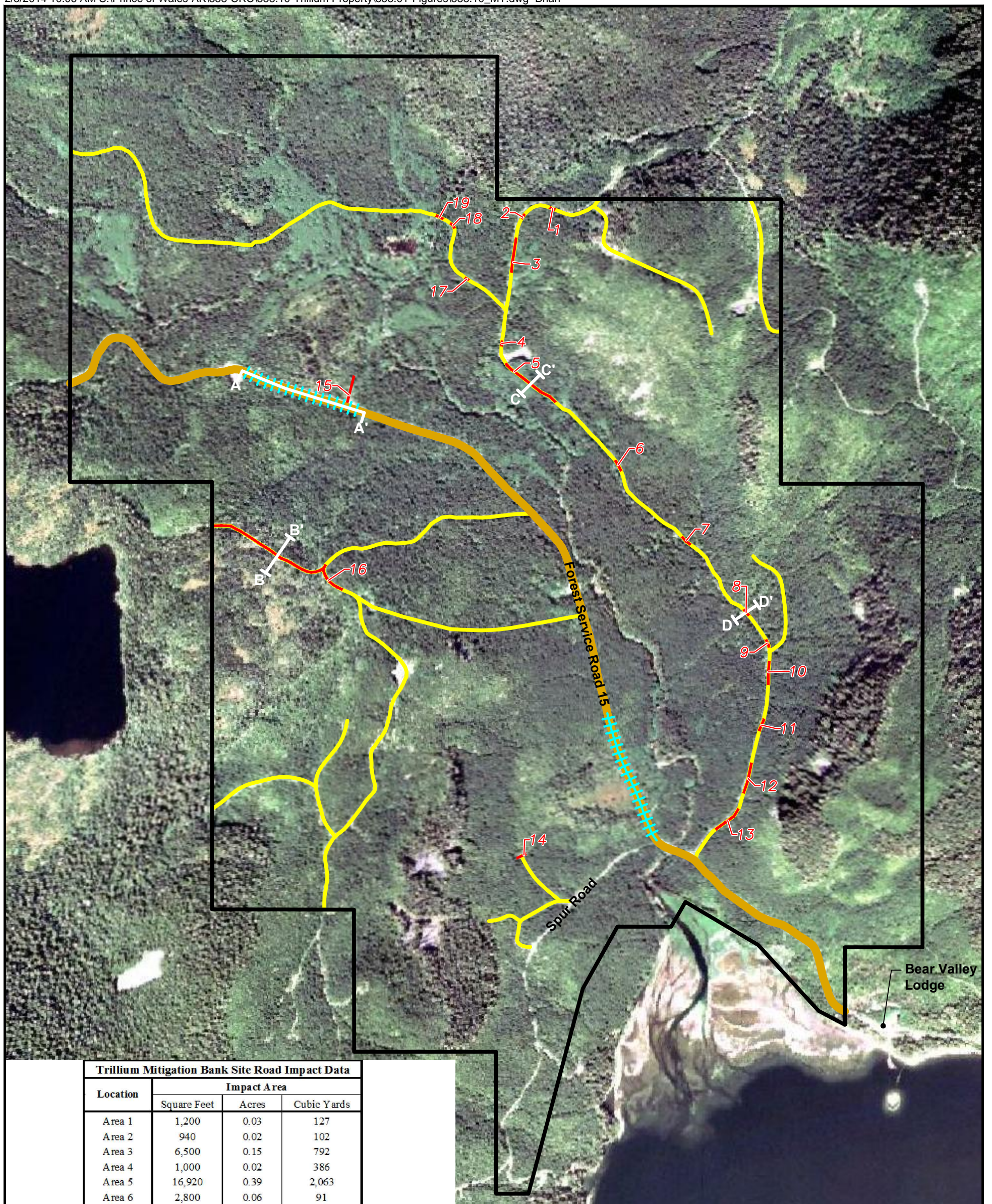
1. Aerial photograph provided by Alaska Mapped at web address:
<http://browse.alaskamapped.org/#browse>



ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305

DATE: 1/31/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

Figure 2
SITE MAP - EXISTING CONDITIONS
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3,4,9 & 10, Township 66S, Range 78E, C.M.



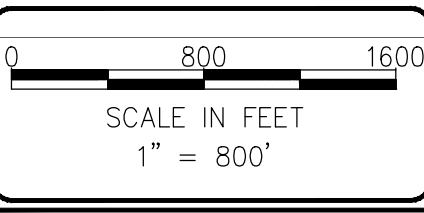
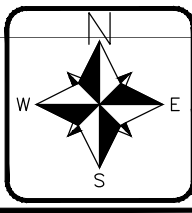
Trillium Mitigation Bank Site Road Impact Data			
Location	Impact Area		
	Square Feet	Acres	Cubic Yards
Area 1	1,200	0.03	127
Area 2	940	0.02	102
Area 3	6,500	0.15	792
Area 4	1,000	0.02	386
Area 5	16,920	0.39	2,063
Area 6	2,800	0.06	91
Area 7	2,160	0.05	214
Area 8	2,160	0.06	217
Area 9	1,875	0.04	171
Area 10	5,475	0.13	657
Area 11	2,400	0.06	294
Area 12	5,075	0.12	54
Area 13	4,725	0.11	483
Area 14	3,135	0.07	237
Area 15	5,880	0.13	726
Area 16	28,784	0.66	3,775
Area 17	880	0.02	71
Area 18	1,500	0.03	183
Area 19	840	0.02	117
TOTAL=	94,249	2.17	10,760

LEGEND:

- Mitigation Bank Site (1,227 Ac.)
- Road in Uplands to be Abandoned (~30,580 Linear Feet)
- Road Fill in Wetlands to be Removed (~4,425 Linear Feet)
- Cross Section Locations
- Wetland Hydrological Connection Restoration via Culvert Installation

NOTE(S):

1. Aerial photograph provided by Alaska Mapped at web address: <http://browse.alaskamapped.org/#browse>

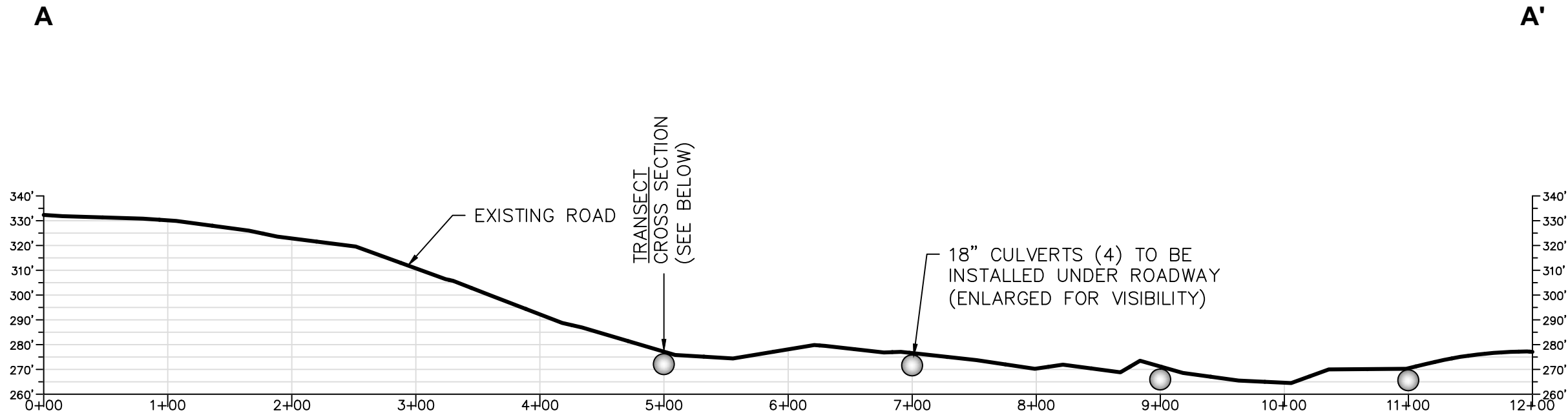


ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305

DATE: 2/3/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

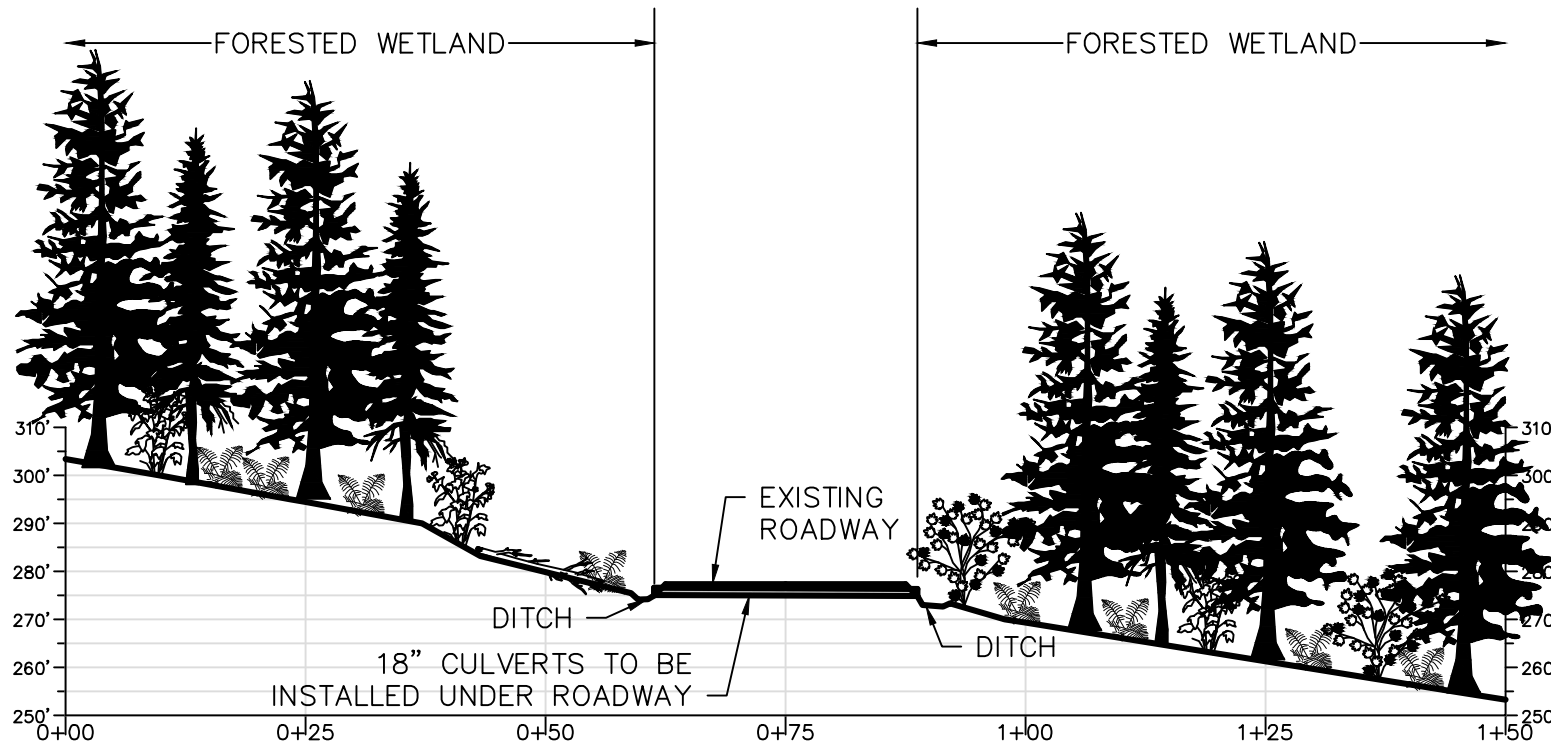
Figure 3
 PROPOSED RESTORATION SITE MAP
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3,4,9 & 10, Township 66S, Range 78E, C.M.

1/30/2014 5:05 PM S:\Prince of Wales-AK\558-CRC\558.10-Trillium Property\558.01-Figures\558.10_PROFILES.dwg Brian



ROAD PROFILE VIEW A-A'

0 100 200
 HORIZONTAL SCALE IN FEET
 VERTICAL EXAGGERATION = 2X



0 20 40
 HORIZONTAL SCALE IN FEET
 VERTICAL EXAGGERATION = 0.5X

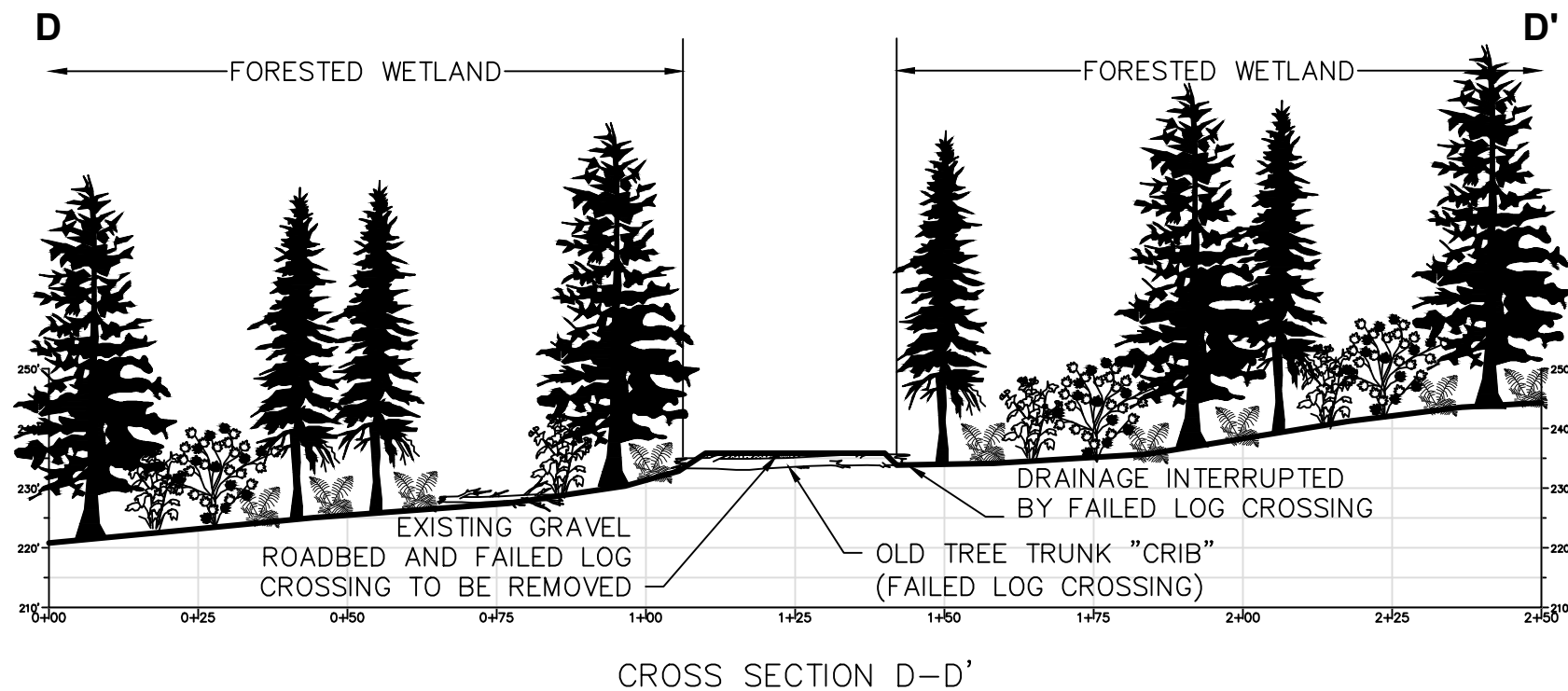
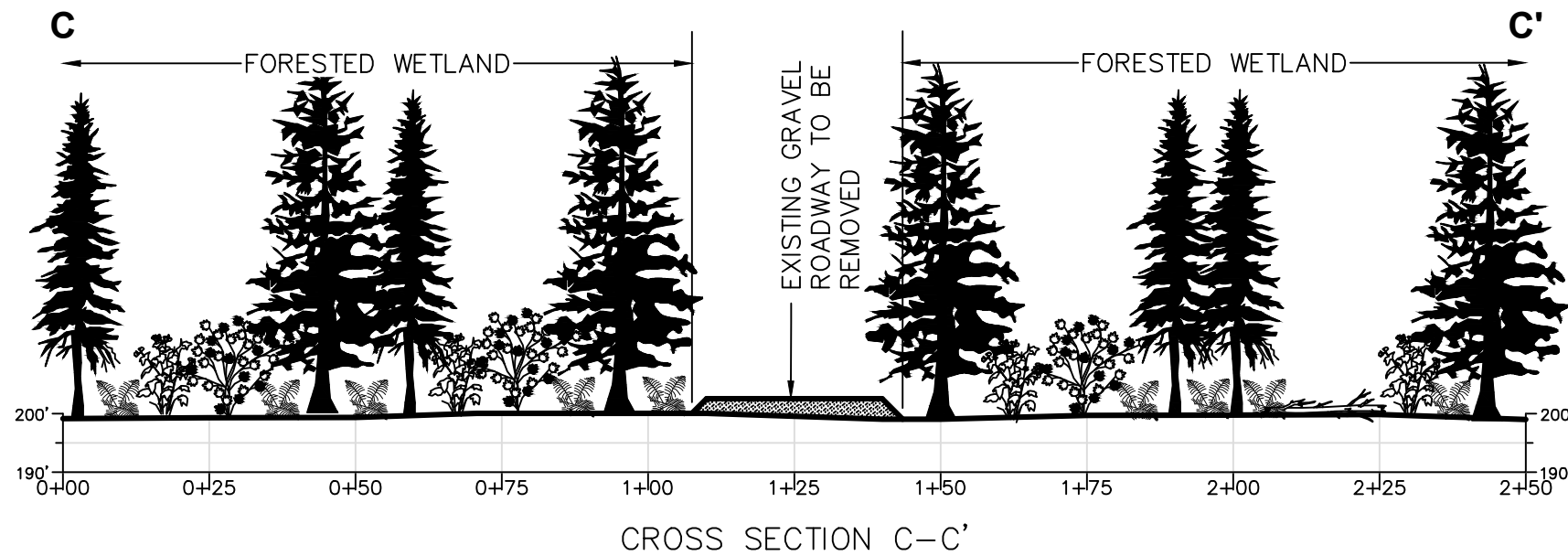
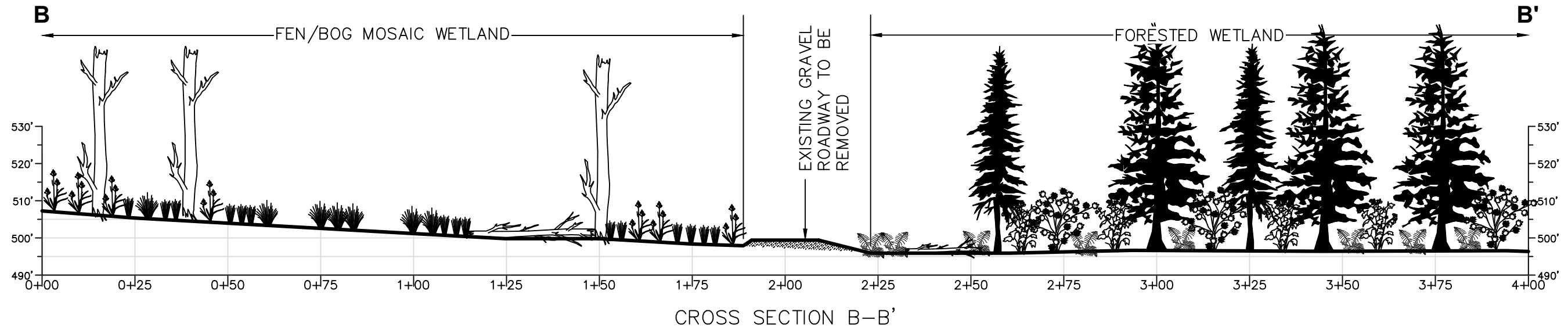
NOTE(S):
 1. Elevations are approximate.

Figure 4
 ROAD PROFILE VIEW A-A' AND CROSS SECTION
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3,4,9 & 10, Township 66S, Range 78E, W.M.

DATE: 1/30/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305

1/30/2014 5:05 PM S:\Prince of Wales-AK\558-CRC\558.10-Trillium Property\558.01-Figures\558.10_PROFILES.dwg Brian



NOTE(S):
 1. Elevations are approximate.

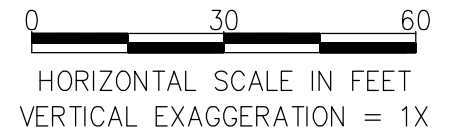
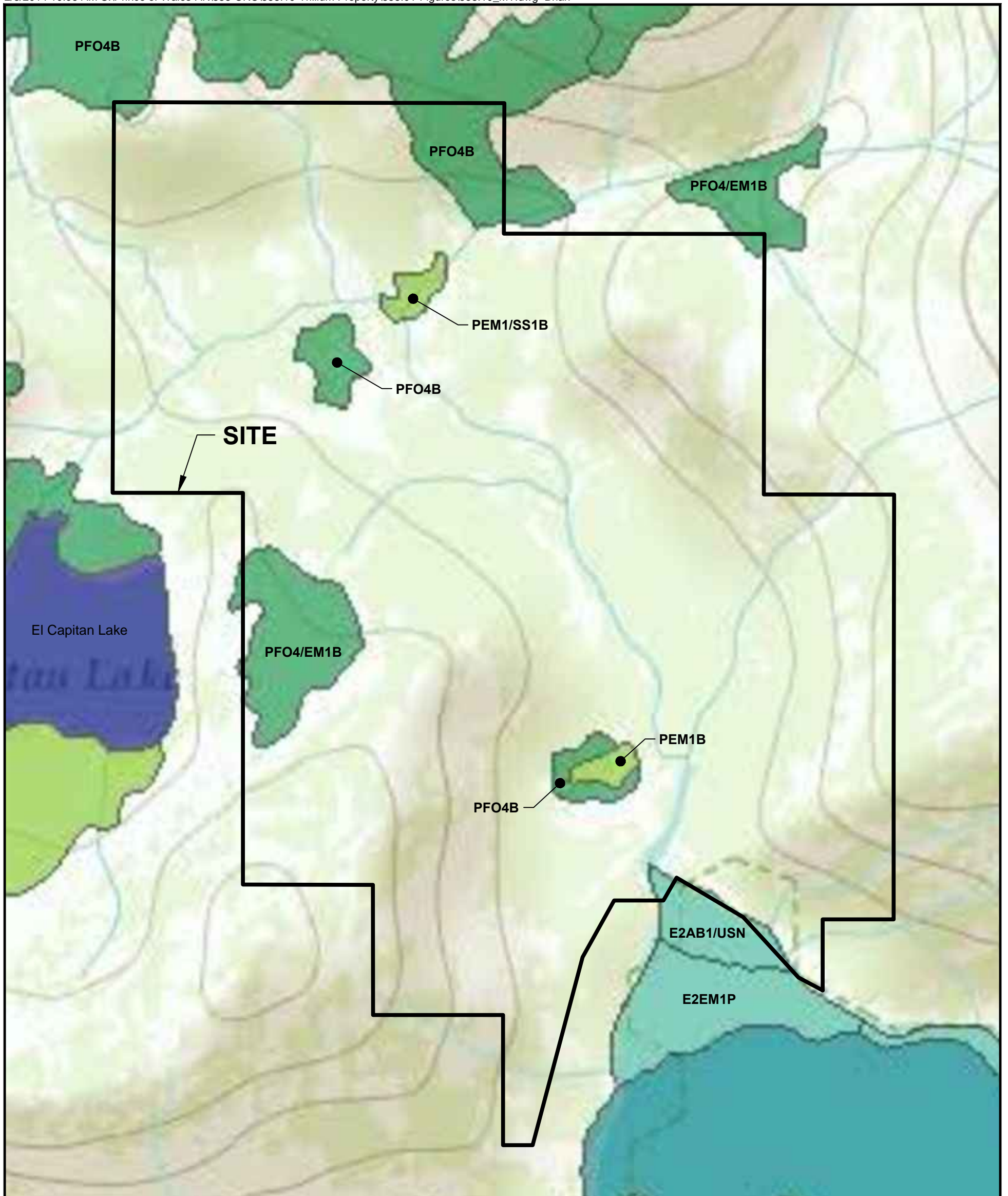


Figure 5
 CROSS SECTIONS B-B', C-C', & D-D'
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3,4,9 & 10, Township 66S, Range 78E, W.M.

DATE: 1/30/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

ECOLOGICAL LAND SERVICES, INC.
 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305



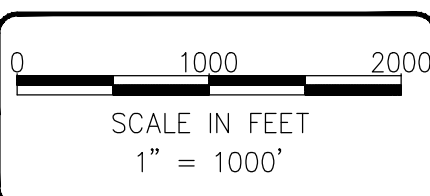
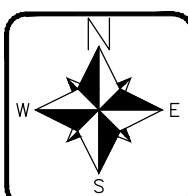
- E2AB1/USN** Estuarine, intertidal, aquatic bed, algal/estuarine, intertidal, unconsolidated shore, regularly flooded.
- E2EM1P** Estuarine, intertidal, emergent, persistent, irregularly flooded.
- PEM1/SS1B** Palustrine, emergent, persistent/scrub-shrub, needle-leaved evergreen, saturated.
- PEM1B** Palustrine, emergent, persistent, saturated.
- PFO4/EM1B** Palustrine, forested, needle-leaved evergreen/emergent, persistent, saturated.
- PFO4B** Palustrine, forested, needle-leaved evergreen, saturated.

LEGEND:

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Estuarine and Marine Wetland

NOTE(S):

1. Map provided on-line by US Fish & Wildlife Service at web address:
<http://www.fws.gov/wetlands/data/index.html>

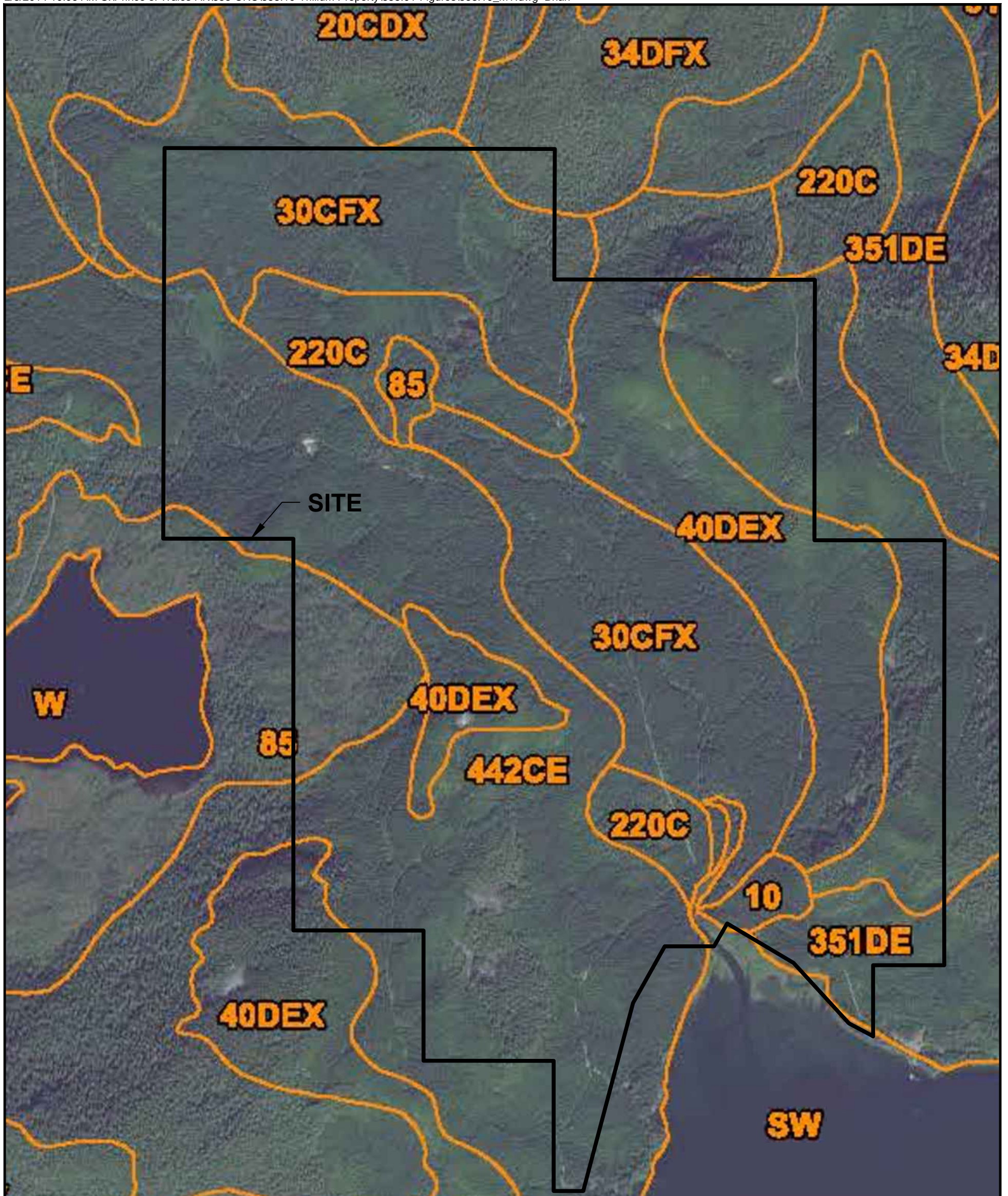


ECOLOGICAL LAND SERVICES, INC.

 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305

DATE: 2/3/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

Figure 6
NATIONAL WETLANDS INVENTORY MAP
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3,4,9 & 10, Township 66S, Range 78E, W.M.



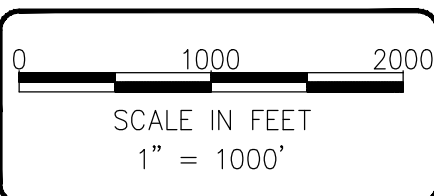
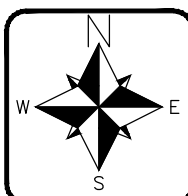
LEGEND:

10	Tonowek and Tuxekan soils, 0 to 15 percent slopes.
30CFX	Karta silt loam, 5 to 100 percent slopes. *
34DFX	St. Nicholas-Shakan association, 35 to 100 percent slopes. *
40DEX	Sarkar-McGilvery complex, 35 to 75 percent slopes. *
85	Kina peat, 0 to 35 percent slopes. *
220C	Kina-Maybeso association, 5 to 35 percent slopes. *
351DE	Karta-Tolstoi complex, 5 to 60 percent slopes. *
442CE	Ulloa-Sarkar complex, 5 to 75 percent slopes. *
SW	Salt Water.

NOTE(S):

1. Map provided on-line by NRCS at web address:
<http://websoilsurvey.nrcs.usda.gov/app/>
2. For information on Hydric Soils of the U.S. selection criteria see:
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/use/hydric/?cid=nrcs142p2_053959

* Listed as hydric soil by National List; all states
Hydric Soils of the U.S. (NRCS 2012).

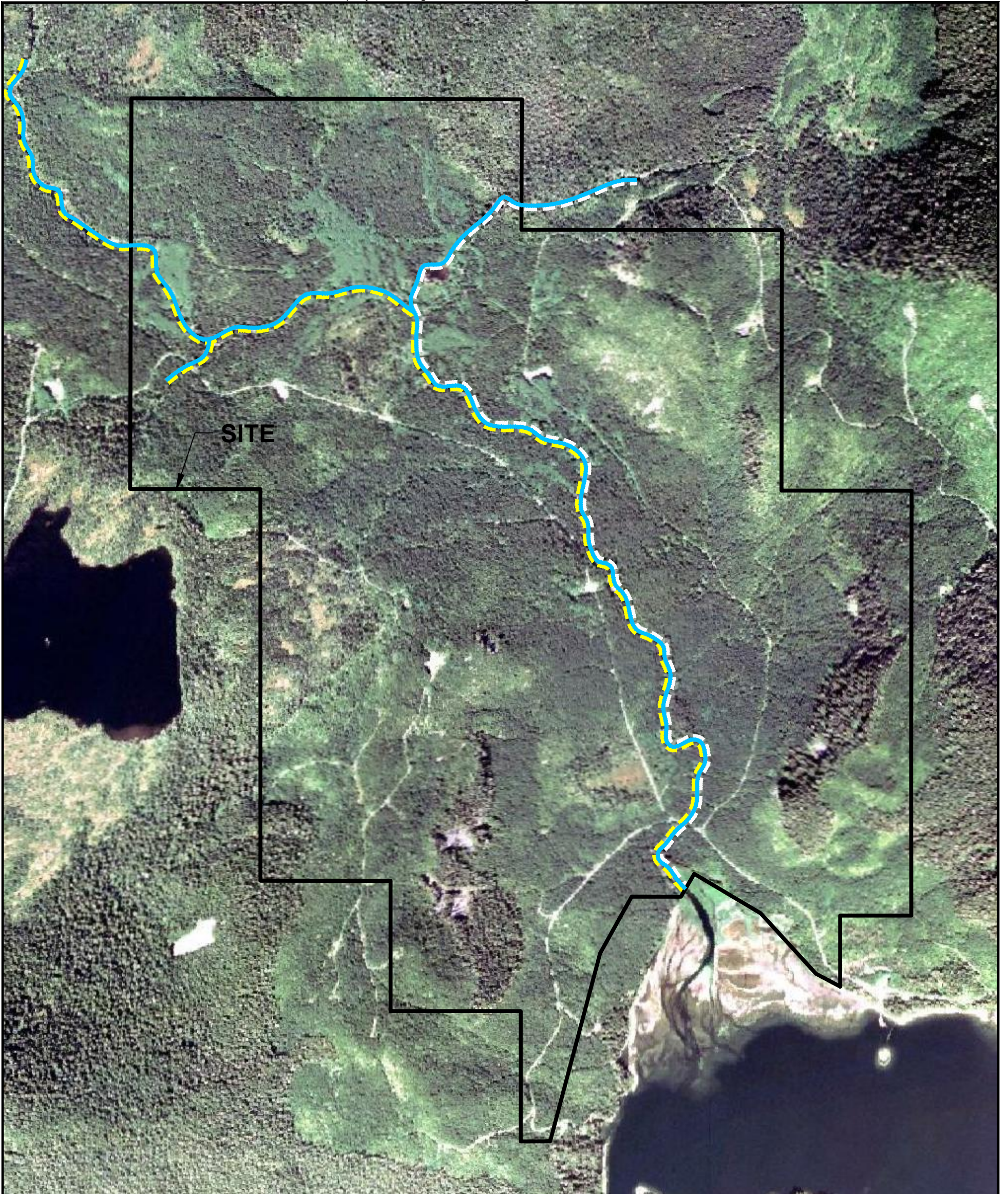


ECOLOGICAL LAND SERVICES, INC.

 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305




DATE: 2/3/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

Figure 7
SOIL SURVEY MAP
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3,4,9 & 10, Township 66S, Range 78E, W.M.



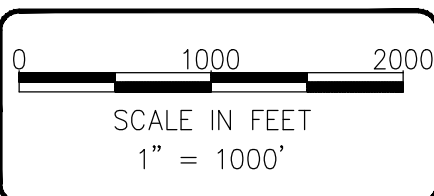
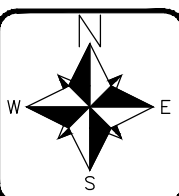
SITE

LEGEND:

-  El Capitan Creek
-  Fish Presence (Pink Salmon, Chum Salmon)
-  Fish Presence (Coho Salmon, Steelhead, Dolly Varden)

NOTE(S):

1. Data provided on-line by Alaska Dept. of Fish and Game at web address:
<http://extra.sf.adfg.state.ak.us/FishResourceMonitor/?mode=awc>



ECOLOGICAL LAND SERVICES, INC.

 1157 3rd Ave., Suite 220
 Longview, WA 98632
 Phone: (360) 578-1371 Fax: (360) 414-9305

DATE: 2/3/14
 DWN: BCB
 REQ. BY: SK
 PRJ. MGR: SK
 CHK:
 PROJECT NO:
 558.10

Figure 8
ANADROMOUS WATERS CATALOG MAP
 Trillium Mitigation Bank
 Columbia River Carbonates
 Prince of Wales Island, Alaska
 Section 3,4,9 & 10, Township 66S, Range 78E, W.M.