

July 15/97-16  
Texada I

*Aponium canna binum*

2793

*Galeopsis* sp. ~~Agastache~~ ~~Terpnia~~ <sup>all</sup> ~~(Mentha Galeopsis)~~

2794

UTM 43 ~~Neptunus~~

10389520E

5509136 1 km

49°43'28"N  
124°31'58"W

Texada I

*Carex fribbii*

2795

July 16 Pries Lake - Special Lake

Texada I

lake edge *Scirpus acutus* / *Nuphar* p.

edge side *Myrica gale* + *Spiraea douglasii*

obs *Brassica oleracea*

check all *Panicum occidentale* ✓

obs *Utricularia vulgaris*

in logs *Myrica* + *Bromus* some *folia*

shallow bay *Carex lasiocarpa* & ~~Carex~~  
*C. viridula*

shallow bay of islet

*Myriophyllum verticillatum* ✓

3x5 meter-patch w/ *Potamogeton pusillus*  
max depth .5m

obs edge of pool *Nuphar*, *Typha*, *Scirpus acutus*  
*Carex lasiocarpa*

check all

*Potamogeton* *pusillus*

no voucher  
kept

25

July 16/97  
Caxedo I

occasional on edges ~~Ditchbum~~ *Ar.*  
+ *Menyanthes trifolia*

upper end Conay las., Nuphar, Myriophyllum  
slightly smaller colony

obs *Scorpius subterminalis*  
large pure stands in shallows at head end

shore of creek between lakes

obs *Sauvillia galericulata*

UTM 4A

10386210E  
5511780N

*Sauvillia coreiflora* 2796

49°44'52"N 20 plants on mossy boulders at water  
124°34'46"W except very little floating

Isles in Priest Lake

UTM 4B

10387370E  
5511360N

*Hypericum formosum* v. <sup>scabri</sup> 2797

49°44'39"N 20 plants on mossy boulders at water  
124°33'48"W lime w/ Myrica gale & Malus fusca

NW ~ exposure

UTM 4B

10386210E 49°44'52"N  
5511780N 124°34'46"W

*Lycopus americanus* 2798

in shallows at head of Priest lake *Potamogeton gramineus*

(26)

Up wetland from baseball field or  
Grillies Bay.

Spruce, Sword fern, Devils  
club forest

obs

*Scutellaria lateriflora*

logged area mostly older f. Equisetum av.

*Carex stans*

2799

UTM 103940ZP step 4000N

47

also *Dicentra formosa*  $49^{\circ}40'45''N$

in areas  $124^{\circ}28'08''N$

check coll *Glyceria grandis* ✓

To coll site of *Juncus* 2672 above  
Davies Bay

= *J. ensifolius*

also more mature head of *Carex* 2674

8 hrs

4 sites

July 17/97

Texada Island

road up from Ball Field

obs

*Taxus canadensis*

done

colls

coll#

sprname

loc

habitat

aspect/  
slope/sl

Woodwardia siveone  
single plant stands down slope in  
seepy area 75m + up slope 50m  
no other plants found.

date July 17/97 HJ, PJ, MF

# 2800

WLV

UTM

name Woodwardia siveone

2800

LAT/long

loc. Logging road up from Gillies Bay Ball

note

field

habitat Wh, DF, Red Alder class A forest  
w/ Polystichum & Oloptanax  
seepy, year round creek

single plant in slash pile w/  
*Rubus cassinoides*, *Polystrichum* m.

Aspect: 226° SW  
slope 5% - 10%

elevation 50 m

48 UTM 10394050E 5504280N

Lat/long

48°46'57"N / 124°26'32"W

July 17/97  
Tepada I

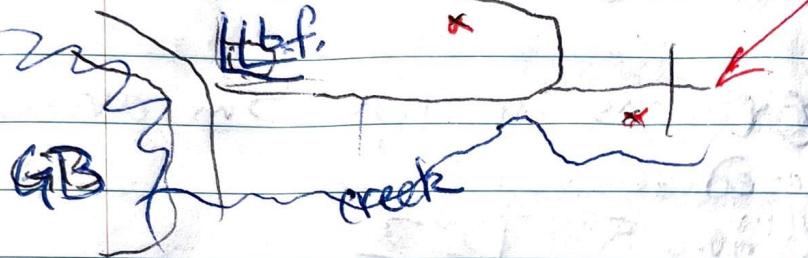
NOTE: Single plant w/ 41 fronds, browsed  
in disturbed area

~~single~~ 3 plants reported up stream wfo 1

on logging road above, informant states  
now destroyed.

small population near logging crossroad  
or School road

inclusion on Aug 24 notes



Moat bay road beyond bay

logging rd.

obs

*Ogrostis scabva*

*Davallia californica*

along road 8 individuals Woodwardia f.

Date July 17/97

HJ, RT, MF

# 2801

Woodwardia fuciglauca

wfz

2801

Moat bay south shore line

sleepy ground under Cedar & Alder

(29)

aspects  $260^\circ$  (W SWW)

July 17/93  
Texada I

slope 25%

elev 3-5 m asl.

19 UTM 10396280E 5498930N

Lat/long  $49^{\circ}38'02''N \times 124^{\circ}26'11''W$

note

~30 crowns in  $10 \times 15$  m area

canopy closed

A1 Alder 5 DF 2

A3 Curr 1

B Rubus spect 2 Vaccinium +  
Polystichum 2 Vacc. over +

C Urtica dioica 4

Rubus hisp 3

Canex radicans 1

Gaul. aparine +

Bromus vulgaris +

mostly mature plants w/ 6 small  
young clumps about 10m  
from sea shore line

July 17/97  
Texada I

date July 17/97 HTRTS, NF

# 2802

4/3

*Woodwardia fauvilliersii*

2802

Moorby south shore line

slumped earth hollow, no obvious  
seepage *maerluce*, Cu, Fd, Alder

Aspect as 2001

260°

slope 30%

elev 15 m

<sup>50<sup>2</sup></sup> UTM 10396320E 549907N

Lat/long 49°38'07"N x 124°26'09"W

Note for  
Morne

Hw = Tsuga h.

note 5 crowns in 2x4 m area

Fd = Pseudotsugam. A2

Hw 2

Cu = Thuja plicata

A2 4

Fd 1

Cu 1

B. *Halodiscus glaucus* 1

*Polygonum maritimum* 1

c. *Rubus parviflorus* +

*Festuca subulata* +

*Galon apodina* +

in bare slumped hollow ~ 30m  
from sea shore

Coverage classes

5 - 75-100%

4 - 50-75%

3 - 25-50%

2 - 5 - 25%

1 - 1 - 5%

+- < 1%

observ.  
note all.

WFO 2

obs single *Woodwardia* f. (1)

in hollow under Alder w/ (w plastic)  
bag

*Polystrichum munitum*

habitat etc as 2802

bearing from ± 2802 145°  
distance 50 m

② UTM 10 396350E 5499010N  
49°38'05"N 124°26'08"W

Date: July 17/97

HJ, PJ, MF

# 2803

WFO

*Woodwardia fontana*

2803

~~Mount~~ Mount Bay road south  
along sides of Coggong road  
Alder, Maple, Hemlock cedar forest

Aspect 270°W

Slope: 12%

Elev: 70 m

② UTM 10 396430E 5498940N

(Lat/long) 49°38'03"N 124°26'04"W

Note: 11 growing in 3 clumps along  
28 m of road, plants small; largest  
from ~ .75m

A Maple 3 Acer macrophyllum

Alder 2 Alnus rubra

bt w 1 Taxus brevifolia

CW 1 Thuja plicata

July 17 / 97  
Taxada I

B

<del>Hedysarum</del>	<del>discolor</del>	+
Rubus spectabilis		+
Polygonatum m.		+
C	Urtica dioica	2
	Carex paucistylis	1

Date July 17/97 HT, PT, MF  
# 2904

*Hypericum formosum* v. *? scalaris*  
West Hydro station road  
roadside f Hydro clearing in  
soilpy ground  
Aspect 200°  
Slope 5%  
elev ~~50m~~ 30m

as UTM 10401080E 5494940N

Lat & long 49°35'56" x 124°22'08" W

note about 100 plants in muddy soil  
w/ *Turritis effusa*, *Petasites frigidus*  
*Agyrris* ~~aberr~~ - all around 20cm of  
unbranched - few taller

Compare to herbarium material

= *gigantea*

July 17/97 HJ, PJ, MF

# 2805

wf5

*Woodwardia fimbriata*

2805

West Hynd Station Road

edge of disturbed road & hydro

~~out~~ seepy bank & ditch

Cedar, Douglas fir & Alder

other *Equisetum arvense*

*Vaccinium corymbosum* & *Carabus arvensis*

Aspect  $200^\circ$

Slope  $200^\circ - 5\%$

slv 80m

UVI 10401080E 5494940N

Lat & Long  $49^\circ 35' 56'' N \times 124^\circ 22' 08'' W$

note

66 plants at edge of cut  
& forest. very disturbed ground  
none found in second growth  
forest up hill. In clumps

spread along 160 m of road side

2 large clumps totaling 45 plants  
rest singles. Most healthy & fair  
number of young. About  $\frac{1}{2}$  plants  
immature.

July 17/97  
Texada I

disturbed logged area below site for 2805

*Erophalium dilatense* 2806

(OHWS)

35 sites

UTM as 2805

dry roadside in logged area  
18 clumps covered

July 18/97

Texada I

Anderson Bay Rd 2 km beyond  
hydro cut

boggy meadow & stream

~~Malaxis monophyllos~~

Seen up stream *Senecio paucicapitatus*, *S. indecorus*

Date: July 18/97 HTPJMF

# 2807

~~Malaxis monophyllos~~ 2807

loc. Anderson Bay Rd 1200 m S of hydro cut

hab open <sup>mosaic</sup> boggy meadow in slowly flowing stream  
~~1200 m S of hydro cut~~

aspect: 0 — all too special aspects = 200's

slope: 0 flat < 2%

el: 620 m

ss UTM 10405390E 5496170N

Lat/Long  $49^{\circ}36'38''N \times 124^{\circ}18'35''W$

note: 5 plants in grassy wet area

w/ *Petrosiella*, *Ribes lacustre* lower rock ledges

*Poa* sp., *Hedysarum*, *Tinus effusus*, *Senecio indecorus*

~~Senecio pumiferulus~~, *Boryrichia virgata*, *Ophioglossum*

comp area from GPS  
0 50 100 150 200 250 300 350 400 450

(25)

July (8/9)  
Texas at I

July 8/97 HT, PT, MF

# 2808  
*Bryopteris simplex*  
as, 2807

notes: single plant found  
loc of associates as 2807

July 18/97 HT, PT, MF

# 2809

*Ophioglossum pusillum*  
as 2807

notes. 2 clumps 1x3m w/ 50 plants each

associates as # 2807

grass loc as 2807 etc 100 plants

*Festuca subulata*

2810

July 18/97 HT, PT, MF

# 2811

*Ophioglossum pusillum*

1,8 km

Anderson Bay rd ~~to~~ beyond hydro cr

edges of small pothole (no drainage) Typha, Carex  
exsiccatum fern

Aspect S 200°

slope: 0

elev. 650 m

56 UTM 10405820E 5495820N

lat long  $49^{\circ}36'27''N \times 124^{\circ}18'10''W$  small

notes: 60 plants in 2 clumps of 20  
& about 20 spread.

other associates *Juncus effusus*

*Chrysanthemoides*, *Digitalis* pr *Borya*  
*multifidum*, *Torreyella pauciflora*

*Senecio indecorus*

open hill along rd. 609

obs w/ *Eriophorum* char. consists

Ledum g. *Rhytidospora* a

*Tofieldia glutinosa*

puddle at road side just before Bob's Lake

obs 40 *Ophioglossum* + *Borya*  
*multifidum* & 3 *Borya* ~~2008~~ heavily  
grazed. no Specimens

10405930E 5495780N

*Borya*  
*simplx*\*

km

el  
sl 0

asp.

July 18/97 HJ, RT, MF

# 2812

*Ophioglossum pusillum*

Radisson Bay road 2.0 km from hydro cut  
edges of small pothole w/ *Typha*

aspect of 200's

slope 0

elev 650 m

July 18/97  
Texas

• 57 UTM 10405960E 5495780N  
Lat/long  $49^{\circ}36'26''N \times 124^{\circ}18'06''W$

notes:

about 50 plants in 3 clumps

ed. of wet area w/ grass sp., Chrysanthemum  
*baccharis mollis* *Alopochen's sp.*

in wet areas w/ *Carex kelloggii*, *Veronica scutellata*  
*Lycopus uniflorus*

obs

100 additional plants in wet depression

just down hill to fern above Bob's Lake

w/ *Carex kelloggii*, *Veronica scutellata*  
*Hypericum asagoides*

150 plants total

July 18/97 HJ, PJ, MF

# 283

Ophioglossum pusillum

Anderson Bay road east of Bob's Lake  
2.5 km from hydro cut

2813

boggy water course, mixed carex  
& typha areas. sphagnum

Aspect  $\approx 200^{\circ}$

slope  $< 1\%$

elev: 660m

58 UTM 10406530E 5495760N

Lat/long  $49^{\circ}36'26''N \times 124^{\circ}17'37''W$

notes: about 500 plants spread along 100 m

*Sphagnum* spp.

Associated spp.: *Carex oxycarpa*, *C. kelloggii*  
*Turritis glabra*, *T. falcatas*, *Hypericum angustifolium*  
*Senecio inaequidens*, *Botrychium multifidum*  
*Potentilla aquatica*, *Petasites frigidus*

Collected w/ highest concentration of

# 2813

*Botrychium virginianum* 2814

same loc & ch habitat. a

150 plants - none  $> 15\text{ cm}$  tall

& all pale yellow-green

Form pool at top of above water course  
same UTM etc.

*Olopterus aquaticus*

2815

July 18/97 HT, PT, MF

# 2816

*Botrychium multifidum*

Audubon Bay Rd east of Bob's Lake

~~2.5 km from Hwy 60~~  
margin *Carex oxycarpa*/*C. kelloggii* fresh

aspect -  $200^\circ\text{S}$

slope 0

el. 675m

UTM 10407300E 5495010N

Lat/Long  $49^\circ 36' 02''\text{N} \times 124^\circ 16' 58''\text{W}$

non fruiting & associated w/ fruiting *B. multifidum*  
about 10 plants Collected plants lower &  
broader & definitely colored compared to nearby *B. multifidum*.

July 18/97

Tekada I

July 18/97 HST, PJ, MF

# 2817

~~Molophilus~~ monophyllus

Anderson Bay → 3.9 km SE of  
hydro cut

boggy depression w/ *Carex viridula*,  
*Senecio indecorus*, *Typha latif.*,  
~~Lisstera barbilis~~, *Drosera rotundif*  
*convallarioides*

Aspect: 0

Slope: 0

Elev: 630m

60 UTM 10407300E 5495010N

Lat long 49°36'02"N x 124°16'58"W

Notes: 2 plants flowering, 5 immature  
associates *Carex viridula*, *Typha latif.*, *Senecio*  
*indecorus*, *Lisstera convallarioides*, *Proserpinac*. *ophioglossum*

along log in same habitat etc, as 2817

*Lisstera convallarioides*

2818

obs

obs same loc & habitat as 2817 ✓

20 *Ophioglossum pusillum*  
wide spread

down water course habitat etc as 2817

*Mimulus tilingii*

2819

July 13/97 H.P.J.M.F

# 280

*Brytidium simplex*

280

(few draining lake formerly known as Bob's)

Anderson Bay Rd 4.3 km ~~SE~~ of Hydro air

steep sphagnum meadow

w/ sphagnum, Carex interior

& C. viridula

aspect 0

slope 1%

el. 620m

780

5191~~800~~N

61 UTM 10407560 E ~~5193550 N~~

Lat Long 49° 55' 15" N x 124° 16' 44" W

Note: only 3 plants seen. Associates

*Ophioglossum pusillum*, *Senecio indecorus*

*Tofieldia glutinosa*, *Cystopteris fragilis*

*Bryndia multifida*

obs

same site of habitat

2 (~~single stem~~) *Malaxis monophyllos*

July 18/97  
Texada I

July 18/97 HTRJ, MF  
# 2821

*Hypnum formosum* var. *nortoniæ* 2821

5.7 km SE of  
Hydrocarb

Angel Lake Rd (Anderson Bay Rd)

boggy meadows w/ Ledum g.  
*Juncus falcatus*

aspect  $\theta$  5° N

slope  $\theta$  2%

elev 585 m

62 UTM 10407590E 5493900N

Lat/Long  $49^{\circ}35'26''N \times 124^{\circ}16'43''W$

Note:

200 plants associates

*Sphagnum* spp., *Sisymphrum californicum*, *Primula vulgaris*  
*Senecio pauciflorus* + above - Ledum, *Juncus falcatus*  
— seen in other wetlands in area  
but this is most consistent short  
unbranched population.

July 18/97 HTRJ, MF

# 2822

*Ophioglossum pusillum* 2822

6.1 km SE of  
Hydrocarb

Angel Lake Rd (Anderson Bay Rd)

mossy stream bank

FJ, PW, Hw forest

2822

aspect  $130^{\circ}$  SE

slope 2%

elev 580m

63 UTM 10907860 E 5493800 N

Lat/long  $49^{\circ}35'23''N \times 124^{\circ}16'30''W$

notes: 300+ plants scattered

along <sup>~100m of</sup> stream bank w/ *Tofieldia glut.*

*Juncus effusus*, *Lycopodium circinatum*

*Juncus tenuifilum*, *Maianthemum canadense*

obs same habitat & loc as 2822

↓ 2 ~~Markottis monophyllus~~

see 2824 no coll

July 19/97 HJ, PJ, MF

# 2823

Botrychium ascendens

location of habitat as 2822

note = 10 plants - associates as 2822

July 19/97 HJ, PJ, MF

# 2824

~~Markottis monophyllus~~

3 flowering plants elev w/ several  
non fl. Habitat etc as 2822

July 18-19/97  
Texada I

obs

*Malaxis monophyllos*

7.6 km from Anderson Bay Rd, bend in pipeline road  
Hydro transmission line cut sedge fen no standing water  
Convex rostrata dominant aspect  $\approx$  200°  
slope 0% elev 630m

# UTM ~~5492000E~~ 5492000N  
10410480E

Lat/long  $49^{\circ}34'26"N \times 124^{\circ}14'18"W$

note: <sup>two</sup> single plant obs

dominant Carex rostrata

w/ Carex kelloggii

Juncus effusus

Torrugula pacif. Myosotis laxa

Hypericum formosana

11 hrs

sites

July 19/97 HJ, RT, MF

# 2825

6/6

*Woodwardia fimbriata*

Anderson Bay rd 6.25 km from lodge

mossy creek bank under Carex thw

aspect  $350^{\circ}$  ~~N~~

slope 15%

elev 200m

65 UTM ~~5490740N~~ 10413290E

Lat/long  $49^{\circ}33'47"N \times 124^{\circ}15'57"W$

(A)

July 19/97

Texas

Note: 2 mature & 1 juvenile at road  
1 juv. inside 30m down creek.

July 19/97 HE, RJ, MF

# 2826

*Centunculus minimus* (Dougan property)

Point East side of Whittaker Bay

dry vernal pools on rocky headland.  
open.

aspect  $135^{\circ}$  SE

slope 0%

elev 5-10m

66 UTM 10417840E 5482520N

Lat/long  $49^{\circ}29'23"N \times 129^{\circ}08'04"W$

Note: 3 # meters @ 200/meter

w/ *Ranunculus flammula* ~~mid~~ colt *Gentiana*  
*Veronica peregrina* ~~in~~ ~~eracaria~~

~~abt~~ 10 ~~several~~ similar pools on point  
total pop n 5000

coll

*Madia glomerata*

2827

anops

*Mimulus tenella*

crevices & ledges on pt

2828

anops

~~Gentiana eracaria~~

*Sagina procumbens*

2829

growing w/ # 2826 in one of the pools  
~ 200 plants assoc, loc, habitat as # 2826

coll one basal rosette to grow - *Saxifrage ferruginea* (?)

(45)

July 19/97

Texada I

2830

Gratiola ebracteata

as in 2826 - same habitat & location

300 total pop in about 10 pools

grass from several pools same loc<sup>as 2826</sup>

Agnostis scabri

2831

same loc & habitat seen in 2 pools

Isotetes mertlicii

2832

except

67 UTM 10 417730E 5482460N

$49^{\circ}29'21''N$  notes 50 plants in one pool w/  
 $\times 124^{\circ}08'09''W$  Ranunculus flammula + ~~2830~~

Gratiola ebracteata

July 19/97 HJ, PJ, MF

# 2833

WF

Woodwardia fontana

Anderson Bay Rd 1.35 km from

bay. N. of Lodge at bay

Wet ditch & tank along gas pipeline  
cleaving edge of FJ, Cw, Hw w/ Solal  
& Vaccinium ovatum

aspect ~~78°~~ ENE (map 30°N)

slope 35%

elev 90m

68 UTM 10 416770E 5487330N

lat/long  $49^{\circ}31'58'' \times 124^{\circ}09'01''W$

97 plants along 144m of road  
many young plants on road  
margin west side

w/ *Blechnum spicant*, *Polygonum*  
*mucronatum* & some *Adiantum pedatum*

Juncus in ditch w/ *Juncus ensifolius*  
& *Equisetum arvense*

July 19/97

*Juncus covillei*

2834

UTM etc. as # 2833

Wf03

obs single *Woodwardia* f. at 1.80km  
under dry fd, hw forest, no  
under growth, slope/aspect same el 100m.

69 UTM 10416540E 5487720N  
 $49^{\circ}32'11''N \times 124^{\circ}09'13''W$

Wf04

obs 3 plants *Woodwardia* f. at 2.90km  
under Cov, hw, fd forest  
in steep. w/ *Adiantum pedatum* &  
*Blechnum spicant* slope/aspect same el 100m

70 UTM 10415850E 5488600N

$49^{\circ}32'39''N \times 124^{\circ}09'48''W$

Wf05

obs 90 plants *Woodwardia* mostly juvenile  
under fd, Cov, hw dry forest  
in steep ditch w/ *Blechnum spicant*  
& *Adiantum* slope & aspect same  
at 3.40 km el 110m

$49^{\circ}32'51''N$

$124^{\circ}10'03''W$

71 UTM 10415550E 5488990N

(47)

July 19/97  
Texada I

July 19/97 HJ, PT, MF  
# 2835

Woodwardia formosana 2835  
Anderson Bay rd 5.85 km from  
Bay

Deep ditch roadside under  
Hw, Cw, Fd, Pl forest  
w/ Blechnum spicant, Adiantum ped  
aspet 50°

slope 20%

elev 200m



72 UTM ~~5490550~~ 10413660E

Lat/long  $49^{\circ}33'41''N \times 124^{\circ}11'38''W$

notes: 59 plants mostly juvenile  
With very large dead crowns

July 19/97 HJ, PT, MF  
# 2836

Ophioglossum pusillum

Anderson Bay rd 0.8 km NW of  
Lydia air

weedy creek in Fd, Pl forest  
aspet 240 SW

slope 5%

elev 480m

73 UTM 10403610E 5497520N  
Lat/long  $49^{\circ}37'21''N \times 124^{\circ}20'04''W$

111.43  
110.05  
1.38  
~~2.1~~  
~~2.26~~  
~~2.26~~  
2.36

1.38  
1.6

1.38  
0.28  
2.208

(48)

July 19-20/97

Texada

more 10 plants in weedy ditch  
 at end of creek before converge into pipeline cut  
*Hypericum formosum*, *Rubus hispinosus*  
*Praiaea aquatica*

from Bob's Lake in 0.5m water at shore line

74 UTM 10406490E 5495340N

*Potamogeton gramineus* 2837

131ws

49° 36' 12" N x 124° 17' 39" W

Gauge mud bottom - no associates

July 20/97

Texada I

Gillies Bay bog lake 75 UTM 10393520E  
 49° 42' 06" N x 124° 28' 36" W 550 6520N

dominate

*Carex lasiocarpa* 75%

*Myrica gale* 19%

*Ledum glaucum* 1%

*Spiraea douglasii* 1%

Open water pod

*Nuphar polysepala*

*Brassenia schreberi*

*Potamogeton amplifolius*

*Scirpus acutus*

*Mariannia velutina*