

mass. - I additional plants found at
far NW end of fern

July 1/98 SW 1/4 S 11 obs. Saarua I
Saarua on logging road

Hieracium austantiacum

~5 flowering plants

in grass strip in centre of
road.

July 7/98 July 7/98 HT
Saarua I #2391

Sagina crassicaulis

shelf on sea edge sandstone
w/ some seepage

Georgia Strait shore just
E of Boat Pass

aspect 30°

slope 50%

elev. + 1.0 m

UTM 100 486720E 5406520

Notes: ~20 plants in 2 clumps
on sandstone ledges. No associates
sandy soil w/ some seepage

July 7/98

Sarma

obs *Tanacetum graveolens*

single clump ~ 1 m diameter
at 'salt pond', Winter Cove, PK.

July 27/98

Turbo I

July 29/98 + J

#2892

Potamogeton filiformis ^{Parson}

fresh water marsh

> 1m water depth

Turbo I.

aspect -

slope -

elev. 1m

UTM 10U 494740 5904670

notes

open water w/ lamma mud

Aug 1/98

Savane I

Aug 1/98 HJ, PS
#2893

Lycopers americanus
shoreline, Winter Cove in
W.C. Park.

fresh water seep at ocean
edge under *Rosa nitkova*-like

aspects N 88W

slope < 1%.

elev < 1m

UTM: 10U 486180 5406630

notes: single clump on freshwater
out flow from *Typha* marsh
dominated *Rosa nitkova*,

obs

Aug 1/98

Fuondosa

Bidens ampliata

+ *Typha* fern in Winter Cove Park

10 plants along bridge.

UTM same as #2893

Sept 5/98
Saruma I

Sept 5/98 AJ
2894

Azolla mexicana tB Presl
Creek from reservoir, Saruma I.

pool on creek, slow flowing water
open area at head of private
garden w/ *Lemna minor*

aspect - (N)

slope 0

elev 55m

UTM 15U 486550 3104552

notes: shallow quiet pool on creek w/
Lemna minor, *Veronica bequaertii*,
Allospururus sp.

4 msq. in several colonies

no others found in 1 or 2 km of creek & ponds
of reservoir. Possibly impeded by aquatic
garden plants.

Sept 8/98

Snowbank

Sept 20/98 HT, PJ

#2895

~~Bidens amplissima~~ frondosa

Winter Cone Park, Santa Cruz Island

Typha-fen at bridge.

exposed wetland Typha-fen

w/ Typha latif. Choropod. rubra

Scirpus microcarpus

Aspect 180° to 320°

slope 0

elev. 2m

UTM cov 486261 5406621
(34) (65)
500

notes: 15 plants observed. around east, north faces
sides of Typha-fen. dominants Typha latif.,
Scirpus microcarpus, Choropod. rubra
associates: Veronica beccabunga, Atriplex ^{subspicata} parva
Oenothera serrulata, Rumex conglomeratus
Solanum dulcamara, Torreyella paniculata
plants heavily deer browsed

Sept 8/98 Time for NW f corner corner posts ER.

210m NW 4 good boundaries.

(DU 487 716 5403759

201 ↑ 75 ↑
101 ↓ 27 ↓
57 ↑ 46 ↑
00 ↓ 684 ↓
749 ↑

corner 10 488496 5402575

31 ↓ 286
516 ↑
456 ↓
78 ↑

(125)

Oct 17/98

Savuna

W boundary of SE 1/4 upper trail vnm

100 488493 5402354

Oct 27/98

Savuna I.

Oct 27/98 AJ

2896

Parmotrema chinense

On rock outcrop on fiddlers

Cove trail, Savuna I.

On sandstone outcrop on ridge
~ 10m back from cliff
dry open Fd forest

Aspect 20°

slope 2% (on rock face ~ vertical)

elev 45m

UTM 10U 493860E 5403163N

notes: patch ~ 0.3 x 0.5m on
~ vertical rock face of *Parmelia*
saxatilis



(126)

Jan 4/99

Ecol Reserve 3 hrs

across polygons 1 of 2
at ~ lower boundary and

Jan 199

up to top corner of polygons

1 mixed stage 4 forest FD, Dr & CW
lots of CWD little Granthemia

2 stage 6 FD, CW, some subcanopy trees
no Granthemia

3 stage 5-6 FD, CW, Substitution

single sp check - Aleurodon

Jan 16/99 Ecol Reserve SE ¼ 1 hr

Searched

in to polygon 12

Jan 23/99 search for SW corner post SE ¼

Searched

1 hr

Jan 26/99 measure to NW most CP

Searched

2 hours 10 mins

from road N to post $90 + 101 + 46 = 237 = 72\text{m}$

from post (6) to road $90 + 89 = 179 = 54.5\text{m}$

Mass collections from Paul's path A.

Polygons 2, 4, & 6

NW corner post VZM 100 437695E 5403708N

[Jan 7 hrs ER]

(127)

Feb/99

Feb 4/99

Saturday

3 hrs

Ecological Reserve into Polygon 20
across 13, 23, and into 21 & back into 23

P23 VTM in 13 ✓

488791E 5402303N

impes in VTM at edge of logging

488809E 5402233N

VTM at corner SE edge 488992E 5401997N

birds of day Winter Wren

Towny or Hairy Woodpecker

Chesnut sided Chickadee

Red Crossbill

G. crowned Kinglet

Raven

Robin

Edge of logging well out in polygon 23

map VTM of SE most corner

100 489250 5402100

Feb 14/99 ER search for four SE
corner of VTM for newly set
SW of SE 1/4 corner post

1 1/2 hr

SE 1/4 SW corner 100 488508E 5402075N

SE 1/4 SE corner 100 489240E 5402013N

Feb 19/99 to NE corner of ~~SEX~~ ER

Savanna

Post marked

10

Mon 10

2 1/2 hrs
Hwy

projection 0.5 mi @ 90° from ERCP
best average

OD 409317E 5402878

Feb 20/99

Savanna

flag n boundary of NW 1/4
of Ecological Reserve

4 hrs

Feb 28/99

Savanna

Ecological Reserve SE 1/4 high trail

vascular obs. *Calypso bulbosa*

3 hrs

4 plants in *Hypocomium*
Lycopodium Dawsonii

Feb 14 hrs ER

March 7/99

Savanna

SE 1/4

center post to upper trail in

4 hrs

March 16/99 NW 1/4 ER upper trail polygons 4, 6 & 7

Savanna

2 hrs

Vulpicida canadensis poly 4.

(129)

March 27/99

Sawmill

Photo Idahoan on bluff by C.C.
on 16th just flowering, 27th lots of pods

Yellow-rumped warbler
first Townsend's Warbler

3 hrs

1 hr March

April 1/99

Sawmill

April 1/99

#2897 HT

Monotropa howellii

Sleepy spot on ridge
above grassy S-facing bluff
20 plants
Brown Ridge ~~1/2~~ ^{1/2} way east of summit
Sawmill Island

aspect 175°

slope 10%

elevation 315m

UTM 10V 488720 5401990

notes: exposed soil steep on edge of
ridge w/ *Monotropa*, *Plantago elongata*,
Lithophragma, *Drosera*, *Mimulus guttatus*, *Collomia parviflora*

April 1/99 RJ

2898

Idaho scorpion

Brown Ridge, east of summit
Sawarna Island.

ledges & pockets of soil on steep
S-facing cliffs. ~~n=500~~ plants
spread over 1400 m

aspect 130°

slope 60%

elevation 320m

UTM (OV) 488680 5402930

notes: associates: Monia perforata

April 1/99 #T

2899

Monia perforata

(131)

Brown Ridge, east of summit
Sawarna Island

April 1999
Savanna Cone

disturbed soil & ledges on steep
S. facing bluffs.

aspect 180°

slope 60%

elevation 320m

UTM 10U 488680 5421030

notes: both types of collectors growing
together - no habitat difference.

April 1999

Savanna

Lower 1/4 Ecol Reserve

3 hrs

Bluegrouse heard

Ribes lacustre observed

Pyrola asarifolia -

3 hrs ER April

April 28/99

Savanna

April 28/99 #45

2900

Montia howellii

(13)