aspect —
slope 0
elev 565m
UTM. 10 0406654 5494223

notes: 100+ individuals

associates: Juncus falcatus, Carex exsiccata, Trifolium dubium, Fragaria virg. Senecio sedecorus, Juncus effusus, Hypochaeris radicata, Chrysanthemum L. Hypericum anagalloides, Mimulus moschatus, Malaxis monophyllos

July 6/99 HJ, RJ
Obs only
same loc & associates as last obs
Malaxis monophyllos
3 plants seen.

July 6/99 HJ, RJ
obs only
Botrychium ascendens
log road between Anderson Bay Rd & Cook Bay Rd. Texada I
weedy edge of small bog
aspect —
slope 0°
elev. 595m

July 6/99 • UTM 100 406813 5494222
Texada I
Cont

notes: 3 plants seen associates
Botrychium multifidum, Juncus balticus
Cerastium ~~viscosum~~ glomeratum, Hypochaeris radicata
Fragaria vesca, virg. Chrysanthemum
Ribes sp. Digitalis purpurea Galium
triflorum, Prunella vulgaris

near in bog Ophioglossum p. Botrychium virginianum

Obs
logroad + landing w/ earlier
seep.
single Botrychium lanceolatum
abundant Ophioglossum p.
moderate B. multifidum

associates Hypochaeris r., Juncus gracilis
Trifolium dubium, Ranunculus uncinatus
Fragaria virg. Cerastium viscosum
Oxycoccus. Viola adunca

• UTM 100 406800 5494250

July 6/99 HT, PJ

2915

Trifolium wormskjoldii

as ~~prev~~ next

sedge fen

aspect —

slope — 0

elev 575 M

UTM ~~100 406700 5494250~~

406610 5494230

notes: several plants in flower in sponges but not wet ground. associates

Carex interior, Carex ~~utriculata~~ oksiccata

Juncus falcatus, Juncus effusus

Prunella vulgaris, Senecio indecorus

Mimulus moschatus, Ophioglossum p.

Malaxis monophyllos, Botrychium virginianum

↳ obs note next page.

July 6/99 HT, PJ

no call obs only

Botrychium ascendens

location as prev

bog as above ↑ on boggy road

aspect —

slope — 0

elev ~~600 m~~ 575

406610 5494230

UTM ~~100 406657 5494456~~

171

July 6/99
Texas I
cont

NOTES: 13 individuals
associates generally as above prev.
mostly Thuja falcatus, Thuja occidentalis
Holcus lanatus, Botrychium mat, univ.
Prosera rotundifolia, Botrychium
simplex ~~no bees~~ ?, ~~obs?~~

July 6/99 ~~HJ~~ PJ
obs only
Malaxis monophyllos
loc & habitat & associates as
Trifolium 2 back ~~10U 406700~~ ~~5494250~~
575m 10U 406610 5494230
3 plants observed.

July 6/99 HJ PJ
B. simplex no coll obs only
loc & assoc as B. ascendens
2 back
575m 10U 406610 5494230
7 individuals seen

Single B. ascendens on road back up <50m N of first simplex on this leg w/ Ophioglossum
595m 10U 406630 5494450

July 6/99 HJ, PS
Obs only

Ophioglossum pusillum

② UTM 10U 405712 5494936

~200 plants no other Ophioglossaceae

associates: Madia exigua, Juncus falcatus, Trifolium subterraneum, Fragaria virginiana, Danthonia spicata, Plantago major, Cerastium ~~viscosum~~ glomeratum

July 6/99 HJ PS
Ophioglossum pusillum obs only
UTM 10U 405510 5494845 elev. 615m
assoc. Carex inversa, Veronica becabunga, Juncus effusus, Stellaria calycantha, Mimulus moschatus
5 plants seen.

2 Carex coll for id. same location

Carex tracyii
Carex canescens

July 6/99
Transect I
cont

Botrychium multifidum only
~5 plants each

- UTM 100 404850 5495380
  100 404900 5495450
  Thelypteris here also

- fen at 100 405222 5495261
  w/ Botrychium multifidum
  B. virginianum
  Ophioglossum pusillum

- roadside swale at 100 404829 5496454
  w/ Botrychium multifidum
  Ophioglossum pusillum

Main Anderson Bay Road.

- UTM 100 405105 5496~~385~~ 420

  confirm Botrychium virginianum
  Malaxis monophyllos
  B. multifidum
  B. simplex not reconfirmed
  B. ascendens
  Ophioglossum pusillum — idem

July 6/99 HT, PT
obs only
Botrychium ascendens
Main Anderson Bay Rd, Texada I
wet edge of Juncus/Carex/Typha fen
aspect —
slope 2%
elev 600m 420
UTM 10U 405105 5496~~285~~

notes : single plant found
associates B. virginianum, Hypochaeris radicata
Epilobium citrinum, Fragaria vesca
Cystopteris fragilis, Equisetum arvense
Poa compressa, Rubus ursinus.

pothole at UTM 10U 405357 5496119
Anderson Bay Rd elev 620m
Ophioglossum pusillum
Botrychium multifidum

July 6/99 HT, PT
Observation only
Botrychium simplex
Main Anderson Bay Rd, Texada I
recently disturbed roadside, dry
aspect —

175

July 6/99
Texada
cont

slope: 5%
elev. 650m

(129) UTM 10U 405920 5495837
notes: 72 +57 individuals associates
Botrychium multifidum, Chrysanthem l
Juncus effusus, Poa sp., Trifolium dubium
Fragaria virginiana, Ophioglossum pusillum

many growing in excavator log marks

reconfirm Ophioglossum in wet land
at same location.

small sedge fen at 10U406051 5495746
655m
Ophioglossum p + Botrychium multif.

July 6/99 HJ, PJ
2916
Viola palustris
Mac Anderson Bay Rd, Texada I
shore of small pothole
aspect —
slope 0
elev 650m

176

VCM 10U 406536 5495712

Ophioglossum prev at this site not relocated.

notes ~800 plants around ~30 x 5 m pod.
associates. Carex bellaggii, Veronica scutellata, Alopecurus geniculatus, Equisetum arvense, Carex vesicaria
flowers all bright white & unusually large

July 6/99 HT
observing
Botrychium simplex
Mary Anderson Bay R
moist drainchannel in forest
aspect —
slope 5%
elev. 650 m
VCM 10U 406330 5496080
notes: 13 plants seen
associates: Botrychium multifidum
Ophioglossum pusillum, Preridium aquilinum
Cirsium vulgare, Plantago major
Veronica beccabunga, Lactuca muralis
Botrychium pinnatum
B. virginianum close by.

July 6/99
as above loc & assoc.
Botrychium pinnatum
single plant

July 7/99
Texada I

July 7/99 HJ, PJ
obs only
Botrychium ascendens
Anderson Bay Rd, N of Hydro out, Texada I
boggy stream bank
aspect 370°
slope 5%
elev 480m
UTM 100403280 5497853

notes: ~~7~~ plants seen
Ophioglossum previously located at this site ~~but could not be found~~ in side ditch only

associates: Poa sp. (Tomentella?)
Rubus ursinus, Ribes lacustre, Fragaria vesca
Tiarella trifoliata, Prunella vulgaris
Hypericum formosum, Cystopteris fragilis
Hylocomium splendens, Hypochaeris radicata
Malaxis monophyllos.

July 7/99 HJ, PJ
obs only
site & assoc as prev.
Malaxis monophyllos
3 plants seen

178

at UTM 100 403515 5498406
430m
Ophioglossum pusillum
& Botrychium multifidum

at UTM 100 403359 5498545
425m
Ophioglossum pusillum

at UTM 100 403849 5500367
450m
Ophioglossum pusillum
Botrychium multifidum

July 7/99 ~~15,25~~
obs only
Botrychium simplex
East Hydro road, Texada I
boggy roadside drainage

aspect –
slope 0
elev 450m
UTM 100 403849 5500367

notes: 300+ plants. associates
Drosera rotundifolia, Carex ~~[illegible]~~ viridula
Gaultheria shallon, Cedum groenlandicum
↓ Kalmia polifolia, Tonas corallii, Equisetum arv.

July 7/99
Texada I
Cont.

notes: cont Botrychium multifidum
Ophioglossum pusillum
distributed along 75 m of creek

July 7/99
obs only
Botrychium simplex
East Hydro Rd, Texada I
rocky roadside ditch
aspect —
slope < 2%
elev 445m
UTM 10V 403964 5500345
notes: >360 individuals, associates

Botrychium multifidum, Ophioglossum pusillum
Danthonia spicata, Hypochaeris radicata
Fragaria virginiana, Carex kelloggii
Hypericum anagalloides, Medicago exigua

uniform spread of B. mult, B. simplex ~200
of Ophioglossum to next UTM. ↓

~~less ~200m~~

180