

810647

"Rite in the Rain"

WEATHERPROOF



CRUISER'S TRANSIT

NOTEBOOK NO. 341

PLOT 1 to 3

TULAMEEN

25 APRIL → 19 May

1978

P. DEAN

25 APRIL

Species list (seen while walking up road)

mule deer
ground squirrel
Robin
Populus tremuloides
Ribes sp
Great. mullein Verbascum thapsus
red osier dogwood
Alnus incana (shrub to small tree)
- along creeks.

Douglas Fir
Pinus contorta
golden marmot
large chipmunk sp
Equisetum sp
Juniperus communis
~~Juniperus~~
+ thistle
some sp of Salix or Populus
is very abundant - small
tree or large shrub
(to ~ 10m) bright yellow

P 105
Claytonia lanceolata
var. lanceolata

new twigs
Berberis aquifolium
Small pink/brwn flowers
from bulb. (collected)
Scopolamine ^{scopolamine} Sepherdella canadensis
Ribes cereum

P 84 ?
85 ?

Chickadee Parus atricapillus
Solitary vireo?

Ranunculus glaberrimus Hook.

Picea engelmannii

Tamiasciurus sp.

Abies lasiocarpa

Pachystima myrsinites (false box)

FOREST AT TRENCHES (on road)

~ 50% Pinus contorta & 50%
Abies lasiocarpa, both species
up to 35cm DBH

Shrub stratum mostly low
& sparse - dominantly Pachystima
myrsinites, minor Vaccinium sp
occ Betula sp & Rosa sp. ^{Scopolamine?}

Pinus infected with yellow
mistletoe? parasite ← Arceuthobium
camptopodium

Vaccinium scoparium (?) (spec)
Lieberg

Fragaria sp.? on bank above creek
(common)

form
camptopodium

photo 1 general character - forest
at trench-road junction

photo 2 veg - shrub understory
at above Pachistima &
Vaccinium

(above upper junction)

Creek: ~ 4 FT wide by av of
4" deep

Velocity ~ 10 FT in ~~six~~ seconds
mostly more or less snowed
in but snow is actively
melting. There is nothing
to suggest that creek
ever gets much higher than
it is now

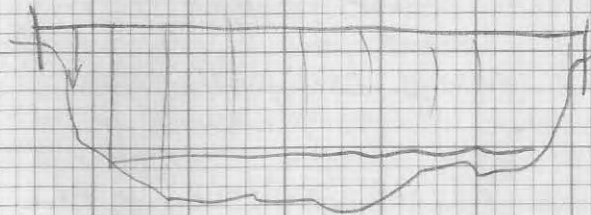
• Creek - above falls & below second
junction

flows over natural bedrock
"wier" at ~ ~~7~~ /sec, is
~~10 FT~~ wide ^{60cm} by av of 15cm deep
3m

flow could be accurately
measured at this point if
bedrock channel shape is profiled.

area is densely forested with
Douglas fir & occ spruce

- need current meter, metal or
wood rods, wire or rope & level
to measure water depths & channel
profile



Sparrow - unidentified

Oregon junco

white crowned sparrow

Zonotrichia leucophrys

Blue grouse Dendragapus
obscurus

photos 3-8 natural reveg
at old pit near Blakeborn

8 - pine in foreground
(P. ponderosa) is 5 m
high

Other veg is dog fur & unident

Shrub ↑

Amelanchier
alnifolia

Natural revegetation in Blakeburn pit

- Vegetation cover ranges from absolute desert to a few small areas of nearly complete grass coverage. Douglas fir and *P. ponderosa* have colonized the margins of the pit and the dump slope, but these are scattered and small in size considering the length of time the area has been undisturbed. Shrubs include *Ceanothus* sp., redosier dogwood, an unidentified tall & vigorous type, some species of poplar or willow, and oregon grape. Grasses and a variety of herby things complete the inventory. Probably some annuals have not yet appeared.

red shafted flicker

26 APRIL

photo 14: Collins Gulch From
Coalmont - Tulameen road

15: Monin Ck & Hamilton Hill
From NW (1 mi W) of Schubert Ck
on Lawless Ck Forest road

D1 rocky hillside above Blakeburn Pit

- P. ponderosa & D. Fir widely
scattered (crown coverage ~30%)

- shrubs include:

Geonothus (~10% coverage)

Pachistima (~15% coverage)

J. communis (~2% coverage)

unident deciduous shrub (5%)

Kitikinnick,

occasional shrubby P. tremuloides

grasses & probably some other
shrub herb spp will show
up later.

Blue grouse

Photos 16, 17 vegetation on
southfacing rocky slope

J. scopulorum on the rockiest sites
along with Kitikinnick and
Populus tremuloides.

chipmunks - large & grey-backed

with only a single light colored
stripe

Myrtle warbler

A2 TOWER MEADOW

Mixed decid. forest of aspen
and a willow (unident) smooth
greyish to yellowish bark size to
~10-15 m new twigs yellow &
hairy.

Various decid. shrubs including
C. stolonifera & a Birch?

- discontinuous sub-shrub stratum
of Pachistima, currant, Berberis.

varied thrush
yellow-bellied sapsucker

Amelanchier
alnifolia

May 16:

Cornus canadensis L.

Ursus americanus - tracks in snow

POND #1 - essentially a wet meadow w/ 2 FT of water in middle veg restricted to sedges
Tyrus? Carex
- millions of frogs
billions of mesquite larvae

Very few birds - one sand piper, myrtle warbler at edge.

Collinsia grandiflora sparsiflora P422

P379 Hydrophyllum capitatum Dougl white

P113 Cerastium arvense L.

Lomatium ~~sp~~ macrocarpum (?) yellow

whiskey jack

Sedum sp (no flowers)

P299 Viola ~~sp~~ glabella Nutt.

Snowlily Erythronium P690

Corvus corax grandiflorum Prush
var. grandiflorum

P289 Maple Acer glabrum Torr.
Sopollallu ssp douglasii (Hook.)
Dippel

currant #1 R. viscosissimum

P453 snowberry (?) flowering shrub
Symphoricarpos oreophilus
currant #2 - R. cereum

P495 Balsamroot Balsamorhiza sagittata
currant #3 (ARMED)

Lomatium sp - either - (white)

(P329) Farinosum (range wrong)

gormanii (range wrong)

geyeri (size wrong)

- check when in seed

Sanicula graveolens Poepp. (P337)

May 17:

Taraxacum officinale
Fragaria virginiana? TOWER MEADOW

Dipper (at creek)

WATER MONITORING SITE

FLOW
AT
NOON

0.4 m (cliff edge)	35 cm
0.5	40 cm = Fixed STAGE INDICATOR
1.0	45 cm
1.5	40 cm
2.0	42 cm
2.5	38 cm
3.0	35 cm
3.5	30 cm
4.0	30 cm
4	
4.5	15 cm
5.0	5 cm
5.5 water edge	0 cm

READINGS are from bottom
to water height - i.e.
depth of water. Assumes
of course that water surface
is uniform height - which
it isn't exactly because
of turbulence.

- WHICH
READS

2.3 (25 cm
DN FROM 0)

On average of 5 trials,
current takes 4 sec to go
3 meters - this reach of
the creek is probably slower
on average than the speed
of water at measuring point
(where water is shallower) &
if taken as 100% will probably
still be conservative.

Took 2 l water sample.

Sylvagus nuttalli nuttalli
(Sachman)

-at Blackburn near

PLANT PLOT #1

Prunus emarginata

Goodyera oblongifolia

- intake site

18 May:

PLANT PLOT #1

BLAKEBURN VILLAGE

- more or less disturbed land classed NCB in forestry survey - represents natural revegetation of partly disturbed area in residential part of Blackburn. 20m x 10m, long dimension EW. Small temporary pre-pipe stream across east end of plot. Slope at 2° to South.

TREE STRATUM:

Populus tremuloides

Salix sp - large tree type
willow not yet in leaf.

Acer glabrum douglasii - abundant

SHRUB STRATUM #1 but not in PLOT

Cornus stolonifera

Amelanchier alnifolia

- isolated brushy thickets, both sp to 3m high

SHRUB STRATUM #2

most abundant

Symphoricarpos oreophylus

Ribes lacustre ← check later when in flower or fruit

Rubus leucodermis

Rosa sp.

Lonicera involucrata

Ribes inerme

Herb Stratum

Viola glabella

Taraxacum officinale

Fragaria vesca

— numerous other species are present but are not in flower & one is unidentifiable at the moment

ASPEN — C BH OB 60cm

BARK 5mm x 2

$$60 \text{ cm} (31831) - 0.5(2) = 18.1 \text{ DBH}$$

Age 32 yrs (+ ~3) 35 yrs

1 Within the plot there is one more similar in size, one slightly smaller & two ~ 1-2" in diameter

WILLOWS: ~ 2 m high in shrub like clumps of 10-20 stems

DOUGLASMARLE — only one small specimen occurs in plot, but is common in area generally, forming clumps up to ~ 10 m high

3 deer near PLOT 1

PLOT 2 ABOVE UPPER BLAKEBURN PIT IN DOUGLASFIR / P. PONDEROSA FOREST. 10M x 20M (NS axis)

Slope 20° → 30 (SW)

Dry slope with rocky soil. Open forest with only very low shrub stratum & grass.

TREE STRATUM

DOUGLAS FIR

11 TRUNKS (1 fallen)

CBH 76 cm	BARK $\sim 1.5 \text{ cm} \times 2$
102 cm	$\sim 1.5 \text{ cm} \times 2$
101 cm	"
40 cm	0.75×2
97 cm	$1.5 \text{ cm} \times 2$
162 cm	$3 \text{ cm} \times 2$
37 cm	$0.75 \text{ cm} \times 2$
72 cm	$1.0 \text{ cm} \times 2$
44 cm	$0.75 \text{ cm} \times 2$
42 cm	$0.75 \text{ cm} \times 2$

← INCREMENT CORE AGE 68 yrs ± 15 (CORE MISSED CENTER OF TREE)

regeneration

7 stems
(2 cm \rightarrow 8 cm DATABASE)

P. PONDEROSA

4 trunks (3 from 1 root)

CBH 148 cm	BARK $\sim 3 \text{ cm} \times 2$
143 cm	"
130	"
67	$2 \text{ cm} \times 2$

FROM
ON
ROOT {

← increment core 77 yrs to end of core - interior of tree rotten

regeneration - none

SHRUB STRATUM 1

Populus tremuloides

just outside
edge of plot

Juniperus communis
Ceanothus velutinus

unidentified shrub (no leaves yet)
Probably *Amelanchier*
alnifolia

SHRUB STRATUM 2

Pachistima mysinites

Arctostaphylos uva-ursi

Vaccinium sp. (?) not
scoparium

HERB STRATUM

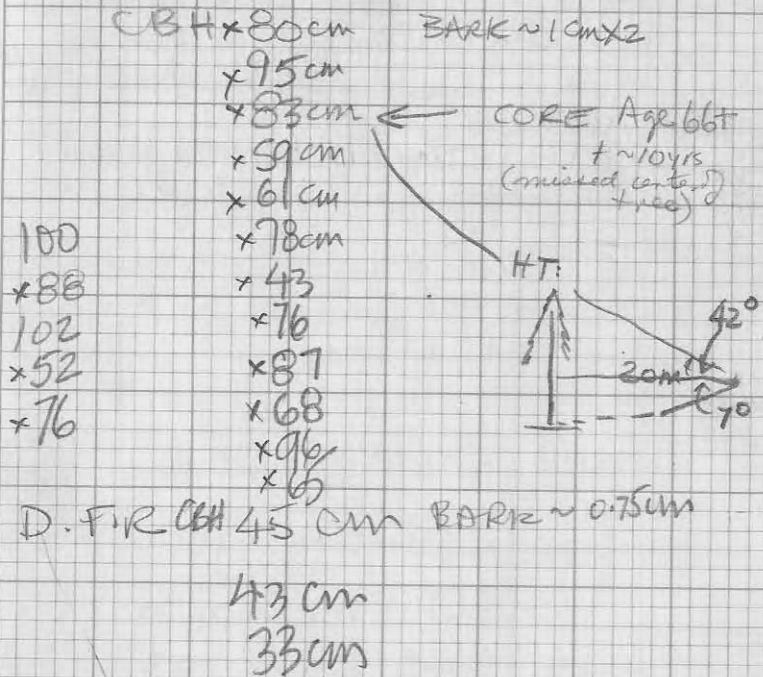
- grasses starting to show but
is not identifiable. No other
herb species are apparent at
this time.

PLOT 3: NEAR SECOND TRENCH FROM LOG STORAGE CLEARING

Plot is in ~ closed forest of
P. contorta with mainly *D. Fir* ^{at}
regenerating beneath. Soil
depth to cool bedrock ~ 50cm.
Slope ~ 5° → E.

TREE STRATUM

P. CONTORTA



Salix sp. - reaches ~ 12m
in height 8 stems in
plot

TREE REGENERATION

P. contorta - 1 stem (5cm DBH)

Douglas FIR - 39 ^{high to} (10cm → 5cm DBH)
probably *A. lasiocarpus*
9 Aug. check!

SHRUB STRATUM 1

unident shrub (*Amelanchier?*)
4m high

J. communis occurs just
outside plot
Sopollallie

SHRUB STRATUM 2

Pachistima myrsinites
Vaccinium scoparium
unident shrub not yet ↗
Berberis sp.

in leaf (bright red links - ~
20cm high) *V. membranaceum*

Herb stratum

nothing showing yet

Deer 1 or 2 200m up road from
plot 3

TAILING POND SITE

- forms a natural depression
which is now a water-filled
Swamp. Creek flowing out
is ~ 1m wide & 5cm deep
This type of flow would
presumably be moving through
our T.P. during Spring run off.

19 May

Fragaria virginiana
\ intake meadow

blue violet ✓

Stage of creek 18

hardware - 2x2's
cutting oil, 2 $\frac{1}{2}$ nails

food

- paper straws
- oranges, apples, bananas
- coffee
- cookies
- nuts
- crackers