

WAYSIDE PROJECT <sup>Chevron</sup> M577

88-09-19

NTs 92 J/15

Gate in watershed.

Daily traverses compiled onto the  
I:5000, or 1:2000

J.S. Getsinger,

Dave McCarty,

Sandy McAllister (P.M.)

Home: 736-  
2149

Koremeaks

Orthophotoprints I:5000

499-5914

U.T.M. # T.N. (12' off)

Fri-Sun.

Tu-Fri Vanc.

M.N. 23°E

M-T. Home



Today: Recon. mapping, orientation

Looking for vein mineralization

Fault-bounded diorite w/ QV  $\leq 1-2$  m

(11 levels of adits) 350/40E<sup>W</sup>

Shearing, black bands in veins, <sup>ground</sup> <sub>up</sub> sulphide

similar to Bralorne deposit

Alteration: Fe-carbonate, bleached

Black veinlets, green mica(?)

QV are milky white, sometimes banded.

Sample QV, host rock (altered rock)

Sheared diorite, clay

842103

wayside  
88

#1081

DIORITE - Fault slices, structurally-hosted deposits, Q.V.  
OR GREENSTONE

Radios: Sched. w/Dave.

Noon, 4?

Check out other mapping first couple of days

py, cpy.

Histwanite - Fe-carb, Cr-mica, Q.

Use same legend as last yr

1616 Bralorne store - Debbie,  
(or Karen, or Roger)

16:30 Brexton - Turnoff for watershed,  
gate up the road. Lock.

Bridge R. ash, pumice, felsic

17:00 Near 35+00N, 27+75E.

Float: <sup>(A)</sup> Greenstone with <sup>rounded grains</sup> Q, 1-2 mm

(B) Coarse (0.5 cm) Biot-hble <sup>grano</sup> diorite,  
rounded boulder

(C) Fg diorite, green, w/small (2-3 mm) QV  
w/4% pyrite.

88-09-19 Wayside

Rock # JG8W-001 Float, Outcrop.

Write rock-type on map. & Make list of samples  
each day.

17:38 Brexton. Go to Goldbridge

Gas: Fred Chapman

18:10 Bralorne -- Carol Bethune  
owns restaurant, etc.

Car Touring up the road

Edwards Cr.

Pioneer Mine site

Serpentinite

Q veins

Alt. Diorite

Carbonate-alteration. Bleached, w/py

Purplish-alt.

---  
Dinner at the local restaurant  
Heather

20:00 Discuss traverses system etc.

50°55' N Lat., 122°50' W Long

Wayside vein system

150 to 165 / 30 to 55 NE

10-6 Store

8-6 Gas (Not Sunday)

WAYSIDE Property. Goldbridge, P.C.

Sept. 1988. Botanical List.

Plants recognized by J. d. Sletvick

Types (NO HEMLOCK)(No cedar)

Douglas fir (*Pseudotsuga menziesii*)

Spruce (*Picea* sp.) (*Englemann orsitla*)

Ponderosa pine (*Pinus ponderosa*)

Lodgepole pine (*Pinus contorta*)

Red alder (*Alnus rubra*)

Slide alder (*Alnus* )

Aspen (*Populus* sp. ?)

Birch (*Betula* sp.)

Willow (*Salix* sp.)

Cherry ? (*Prunus* sp.)

Fir (*Abies* sp.) [poss. subalpine]

Douglas maple (*Acer* ) (NO VINE MAPLE)

Cottonwood (*Populus* sp.)

Red hoosier dogwood (*Cornus* )

Juniper (*Juniperus* ?)

- Devil's Club (*Oplanax horridum*)  
Thimbleberry (*Rubus* sp.), (and others<sup>(?)</sup>)  
Rose (*Rosa* sp.)  
~~Rose holly~~ Solomon's Seal?  
Currant? (*Ribes* sp.) (maybe more than 1 or 2 kinds)  
Horsetails (*Equisetum*)  
? Shrub like mt. azalea.  
Mountain box  
Serviceberry (*Amelanchier* sp.)

- Fireweed  
Bunchberries (*Cornus Nutallii*)  
Rattlesnake plantain  
Grasses  
Columbine

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Animals      Poss. beaver swamp near McDonald Creek

- Deer (abundant tracks)  
Douglas squirrel (chickaree)  
  
Raven  
Whiskeyjack (Grey Jay)  
Grouse  
Thrush?

M577 88-09-20 Traverse JG-0

Orientation on Wayside Property with Sandy McAllister, Dave McHardy. [Terry Zanger left for Clinton].

0815 Leave Bralorne, B.C.

Weather: Clear and frosty. There is a lot of new snow on the mountains since climbing Mt. Truax Sept. 5.

0933 P. AREA  
ALL 650 m Reset 603 m

Drive up road to baseline, turnaround area

BL 41+00N (L25+00P), below road, before cr.

0845 Float boulders: QD

770 m Greenstone

Grey chert

Felsic porphyry - purplish grey, fs, Q phenos

0852 - Drive N. m road.

Grey + red folded chert along road.

Greenstone, purple

0958 735 m el. Greenstone.

last yrs. soil grid 87-0W, 550  
Blue + white striped fl eggng.

We drove up E. side of property,  
said hi to woman in plywood  
house w/ 2 dogs, 2 goats

Stop in Gold Bridge for gas  
"Fred"

0951 Diorite on N. side, on road past  
junction. Heterogeneous  
Gabbroic intruded by  
f-dioritic, aplitic dykes,  
agmatitic breccia

10:00 El. 672. Core shack. #5 Portal  
Core.

Q-veined stockwork  
Altered granitic(?) porphyry.  
Green "pyroxene" shapes, pinkish  
fs shapes, Q veins, carb att.  
± Pyrite. Runs up to 2 g/t Au

"Argillite" interbedded siltstone, shale, (gng)  
Brecciated, sheared. Where QV,  
may run 1000 ppb Au

Chert - also Q-stockwork, looks a lot  
like Q vein material



M577

A. Dettinger p.2/4

88-09-20 Wayside

10:16

Looking at drill core.

Sandy McAllister  
Dave McHardy

Serpentinite, all sheared up.

"Diorite" - Hole 16. No Au values.

Q-rich "granite" to diorite.

Alteration is pinkish + greenish, bleached,  
+ white.

Clay-alteration

Black stuff may be carbon(?) like  
graphite but no smearing.

Chloritized diorite

DDH 84-3

Volcaniclastic, fragmental

lapilli-sized clasts, porphyry, <sup>amygdala</sup> <sub>porphy.</sub>

(chert?), brecciated, to f.g. green

Hematitic (jasper), also amethyst-  
coloured @v, pyrite cubes (up to 40%)

1 mm, along fractures, within rock,  
disseminated.

"Greenstone"

11:00

Sandy leaves for Vancouver  
Dave + Jenny in Red Truck.

88-09-20

11:24. Check out outcrops on road  
~ 680 m

Check field map 1:5000. Near sample <sup>M341</sup>  
Rob Wilson drives up. Looking for int. properties.  
staying at Tyax Lodge.

B.C.

OF. 1988-3 92 J/15

Geol. of the Bralorne Map area  
Church, McLean, Gaba, Hanning,  
+ James. 1:50,000

B.C.

OF. 1987-11

Church + McLean

1:20 000 Geology of The Gold Bridge  
Area  
92 J/15 W

Red + white helicopter

12:43 outcrop "f" Feldspar-hornblende  
porphyry (dacite?) T  
0.5 to 5 mm



~~greenish~~ greenish milky  
Fs. 30%  
Phenocrysts

2 joint sets 170/75 E  
120/20 NE - Carbonate veins on fractures

(0-10%) Hbl: ~~2~~ 3% 1-2 mm (some parts don't have much hbl)

Groundmass is aphanitic, brownish cream.

Second outcrop is finer grained, pale greenish-creamy "felsite" with minor tiny pyr.

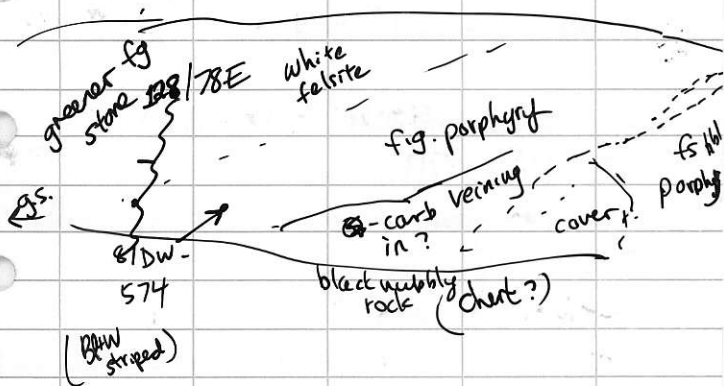
MSM

88-09-20

Jetties  
WAYSIDE

p. 3

Porphyry outcrop near road.

Weathers purplish + orange-rusty  
around tiny Q, steep.Carbonate veins on both fractures  
upper o.c. is more altered felsic porphyry.Next big o.c. on road is mapped as  
"d1"Station  
①Feldspar porphyry, <sup>10-15% fs.</sup> 1mm fs, greenish  
aphanitic gm.Broken surface looks aphanitic  
whereas weathered surface shows  
fs. phenocrysts.

fault on other side of g.s.

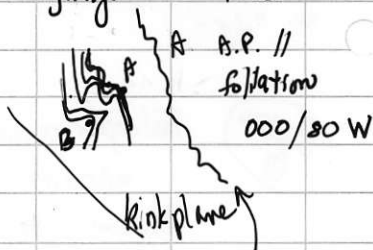
700m  
asl  
Station  
② (LUNCH) on curve on road  
Folded grey chert, bedding, interlaminate  
w/ argillite (~1 cm bedding)  
kink-folded

Slickensides steep to N.

Cherts are folded tightly with fold  
axes:

A  $\uparrow$  184/29

B  $\uparrow$  156/32



Surface w/slickensides: 008/61 W  
246/59

14:14 Red chert, chevron folds  
675m (should be) Alt says 700m  
This chert unit has quartz, etc.

1433 Boulder of chert (5m) (rotated)

Gs float, then gs oc

Purple + green, massive, orange-weathering  
87 MM 344 - Greenstone, 3m to  
chert (E), contact not exposed.

Chert has diff. orientation. Main fold axis  
lineation is: 322/60

m577

88-09-20

WAYSIDE

p.4/4  
J.A. Helinger

Rob Wilson tells us about

Menike "Reliance" ? property

Purple greenstone.

1539 Look at core of Reliance prop.

87-53 } 1988 Drilling NR

88-23 } Hole 88-18 + 19, 300 m holes

Shear zone

Chert + sed

Purplish rock w/ cc amygdalae

Carbonate - altered zones,

Fe CO<sub>3</sub>; calcite

Black graphitic smears.

Fragmental greenstone, Fe carb alt.

Slickensurfaces || core, w/ L slickensides

Drilling appears to be down a shear zone.

Sheared up serpentine in  
green + purple greenstone.

Px gabbro

Purple px

Gundgy black clay gouge

Fuchsite (?) light green mica

Handsample w/ penetration twins in cubes  
of silvery pyrite (1 mm) in greenish  
phyllitic stuff.

Reliance core.

Felsic porphyry.

TR 6613

715 m. Try going uphill

rusty soils

1666 Managed to drive up to  
985 m w/ 2WD

Purple g.s.

Hawk. Reddish breast, white buff

Shear zone 130/86W

Real groundge: Black, white, orange

Alt greenstone.

DDH 87-19 Nearby. Vertical pine stick

1649 910 m core storage.

Drive back to Bralorne.

44.6 45.8 (turnoff to E side way side)

16:59 49.85 km Gold Bridge

17:15 Bralorne.

Went to store.

Saw Rob Wilson again at dinner.

M577 88-09-20 JG-I WAYSIDE

TRAV.

P1 14

Weather: clear, frosty.

Traverse: J.S. Getsinger and Dave McHardy.

Plan: Try to go up cliff of greenstone.

Start at S. end of property.

0830 Drove up Watershed road from  
Brexton, through gate, turned around at  
~~red~~<sup>orange</sup> flag. Walk down to first id.  
station on a line + then go up hill.

0842 35N, 27+75E El.

El. 940 m. (Alt. 940 No Reset)

Follow L35N to Hill

0852. L35N, 28+75E El. 920m

Creek is about 8-10m to E, running  
S to N, about 2m wide.

Cross on downed alder.

L35N, 29+00E is about 15m E of  
925m El

0908. L35N, 29+50. Uphill. 865m.

Outcrop to SE.  $162^\circ$  to lower end  
25m. Then 70m + of outcrop 10m  
high. Outcrop trends 010.

Sta.

56-3

Laminated white + grey chert with phyllitic  
interbeds, folded. Weathers white  
with calcrite.

Main Fold axis  $\nearrow$  190/05 Warping on outcrop -  
LEVEL

General trend of layering, av. incl. A.P.  
is about  $010/37E$

0935  $L35N$  ~~29~~  $+75$ . 975 m.

Outcrop of chert.

0946  $L35N$   $30+00E$  1010 m

Chert oc. Chert is folded, nearly  
vertical here  $015/86W$ ,  $015/88E$

Also some fold limbs at  $011/38$

Chain 15 m.  $080^\circ$  1025 m

Time	Chain	Dir	Alt.	Notes
	<del>080</del>	080	<del>1025</del>	
0959	015/0	080	1025	Chert oc.
1003	<del>080</del> $R_2$ zero 18	080	1030	outcrop or boulders of greenstone
1008	038		1030	Big outcrop of carbonate-altered + veined greenstone

Sta.  
JG-4

Foliation  $177/83E$ , localized,  
calc. Veining also along this dir.

2 Samples

JG8W-001 - Carbonate-veined  
+ altered greenstone, laminated calc  
greenstone. ~~2034~~

JG8W-002 med-gr. greenstone,  
very weakly foliated. Minerals: chl  
feldspar?, alt hbl. ~~from~~ vermicite  
Sample has cc vein 0.5 cm



M577 TRAV. JG-1. 88-09-21

P. 2/4

WAYSIDE. Trav. w/D. McHardy.

10 ~~48~~ at 100° from 40 m last station went up steep part

Then 90 m at 150. To 1080 m Elev.

There were some interesting altered rocks on the steep part, possibly a narrow dyke (~~2~~ 5 cm) of fine-gr. whitish hard rock with  $\frac{1}{2}$  calcic veins going perpendicular to it. It was too steep to stop + look at it.

11:19. After snack, start up ridge.

Time	Chain	Dir.	Alt.	Notes
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1120	0	025	1080	
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	9	025	1082	O.C.
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Little outcrop <sup>(1m)</sup> of interbedded limestone + chert. Limy layers are up to 10cm

Bedding:  $\uparrow$  008/46E

Other outcrops of greenstone w/carb veins

Sta. JG-5 Continues into fol. g.s

Carb + silica veins in g.s., not bedding?

015	Greenstone w/carb veins
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032	090
-----	-----

038	040	1085
-----	-----	------

Foliated cherty greenstone

051	
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Fol  $\uparrow$  156/79NE

1137

077	040 *	1100
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Time	Chain	Dir	Alt.	Notes
1142	95	040		Purple + greenstone, poss. fragmental, w/ purph. lapilli-sized clasts + amygdules
	108		1098	End of oc.

Line of blazes on top of ridge. N-S

1151	140	020	1105	
1155	175	020	1115	o.c.

Vesicular purple + greenstone, foliated  
 1037/85E

1200	203	020	1125 +	1000/88E
	226	080	<del>1140</del>	Purple schistose zones.
	235	034	1140	Red chert fragment
	252	034	(we keep going up)	

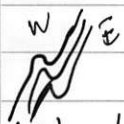
Lunch

JG-6

Reddish-white cherty layer maybe  
 Q vein + carb.

Folds in foliated g.s.

Sample JG-002



Lens 10-20 cm wide of pinkish, cherty material extends about 1m, pinches out, then 2 more are pulled out on foliation, Host rock is foliated greenstone, in places laminated was vesicular.

7  
MST<sup>7</sup> WAYSIDE. Trav. JG-2 88-08-21

Trav. J.S. Getsinger, D. McHardy

Going up ridge in greenstone.

Time	Chain	Dir.	Alt	Notes
1303	306	<del>034</del> 034	1170	Greenstone
	365	125		
1313	390	030	1170	* Alt is slower rising than should be

Sample of Q.V. in g.s.

20 cm thick, extends > 3m #045/2#

JG-11 White vein material, light green alteration.

Sample DM8W-002

1327 465 ~~030~~ 030 1190

JG-8 Vesicular g.s., locally foliation  
6m QV 15-60 cm #004/90

Sample JG8W-003 50 cm. chip across vein.

	465	070		
1353	490	060	1195	E. edge of top of hill
	531	060	1190	
	551	054	1185	Go down hill steep but OK
1403	591	095	1165	
1410	685-690 ns.		1125	

Outcrops of greenstone with open ash-covered areas

1422 690 120 1125  
1100

outcrop

Time	chain	Dir	Alt	Notes
1427	754	165	1095	saddle valley

Stand of small lodgepole pine < 1 m apart,  
but not too bad, some alder.

No underbrush

1433	816	204	1110	Reach nose of little ridge.
				Blaze on tree 120° ( <del>at</del> trees) (Some trees are Animal trail on ridge. broken over)

Change topof!

1439	850 →	203	1110
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1447	106	204	1120
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1451	150	<del>204</del>	1120
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1455	166	130 212	1130
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Head toward  
outcrop  
O.C. of massive  
greenstone. Dark  
grains are H. ph. <sup>of</sup>

Following base of g.s. outcrop. 10 m high

Generally massive, green, with some purple

1506	250	212	1135	Sta. JG-9
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Amygdaloidal greenstone, med-gr, chloritic,  
carbonate-filled fractures

1512	250	240	1135
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Go down + across to little knob.

1521	365	245	1105	Greenstone <sup>O.C.</sup>
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1529	503	214	1080
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1531	536	250	1080
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1537	621	262	1090
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1538	643	262	
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1542	666	270	
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Going down

cross  
gully / outcrop

J. S. Getsinger

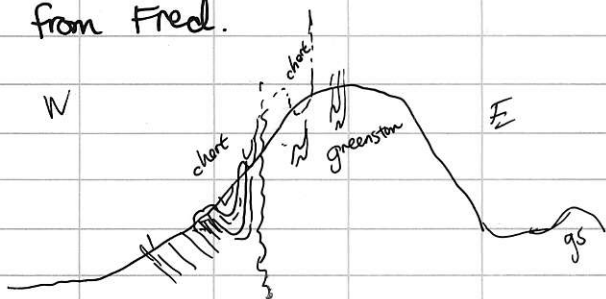
P. 4/4

M577 88-09-21

Trav. JG-1

D. McTardy ; J. S. Getsinger

Time	Chain	<del>Dir</del> Dir	Alt.
15:47	755	270	1040
We slid downhill through highly foliated greenstone (# 170/90 or so) + ended up in chert.			
chert outcrop.			
1559	861	1980 →	
<u>1600</u>	End chain.	970	Back to chert Sta. (JG-3)
<u>1609</u>		29+00 <sup>E</sup> , L 35+00 <sup>N</sup>	
		(930) 935 m El	
<u>1620</u>	Road		950 m El.
<u>1712</u>	Back at the house.		
We drove down to Gold Bridge + borrowed a window-scraper from Fred.			



Schematic Cross Section

● Line 35+00 N approx

p. 1/4

M577 WAYSIDE 88-09-22 J. L. Selinger

TRAV. JG-2

Plan: Start on Road at porphyry body "f".

0750 Leave Bralorne ALG. 1030?

Weather: cold, 3/4 cloudy. No frost

0806 Gravel pit. Alt. 653 Reset to 683 m

Radio sched: Noon, 3, 4:30-5 pm

0818 D. McHardy left me up the road - S.

(160 Au) shore Carpenter Lake, near last year's soil site DW573, about 25 m NE of outcrop <sup>w/ contact of gs</sup> <sub>thru</sub>

Road embankment is mostly B.R. Ash

Go to "gully", supposed to go up it.

DW574 is at the "greenstone" slice.

DW575 (70 As) is in soil overlying the felsite, fg feldspar porphyry.

DW576 is about 15 m SW of

Rock sample MM341, which is at

outcrop "f", still 25 m NE of

the gully. The outcrop is shown

too close to the gully on the

map, and the soil location is off by

50 m, unless I have the wrong

gully.

0835

2 trucks "Levon" Resources go by.

Then a trench machine on a big truck

I'm still trying to resolve the gully problems

I'll go up the thing that looks like a gully, although I can't quite reconcile the map, even with the air photo.

Alt should be 690 m, is at 710, Reset to 690

Time	Chain	Dir	Alt.	Notes.
0855	0	140	690	Gully is like a trench in glacial sed

There is an old road up to about 60 m direction, then a <sup>broad</sup> valley up toward 130°. This is not what the one on the map looks like.

I'll go back to the felsite and go up from there.

0910	0	120	700	Feldspar - hbl purph. <del>site</del> outcrop.
0916	25	080	710	Not really a gully
0926	80	084	740	It is a small drainage. I can hear water trickling down, mainly leaves
0934	100	110	750	Trickling water above 87m

Outcrop on N is small, massive brownish green-stone.  
 Outcrop to S is larger, irregularly folded, bedded chert.

Sta. 56-10

M577 WAYSIDE 88-09-22

P. 2/4

J. &amp; Helinger

TRAV. JG-2

Time	Chain	Dir	Alt
0950	110	090	752

Yucky mud (clay) in gully, Also outcrop of greenstone (2 m).

0959	135	110	765 m Alt. 846
1005	153	Gully: 125	775 m

Gully opens out. No o.c. ash etc. Crested grouse. Ridge to N. 15 m

10:14	206	795 m	805
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2 m boulder of foliated amygdaloid g. s. Another 2 m boulder of g. s. Then 6 m boulder? of folded chert

Going toward 110 ~~090~~ up gully.

1021	242	100	805
1026	272	130	815

Lot's huge boulders of ash  
87 soil sample MK 1041

Gentle slopes, no outcrop. Soil pit has almost a meter of B.R. ash in it, is somewhat filled in.

1035	317	100	830
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1045	393	<del>120</del> <sup>140</sup>	865
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There is a double gully here, trending 120 or 50, maybe 50 m apart, not shown well on map. I am on the left (N) but the one S. is deeper. Now going up little ridge betw.

1050	440		880
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L50 N, 29 + 25E blueflag (no orange)  
~~OK except the map~~ doesn't show a double gully here.

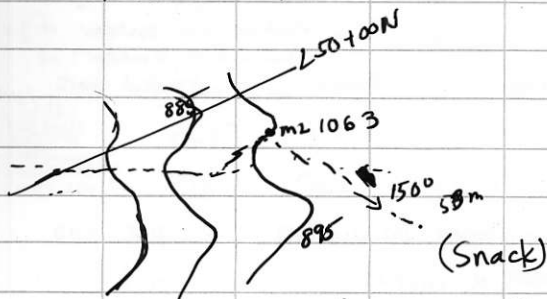
LEVEL



Time	Chain <sup>(m)</sup>	Dir. (°)	Alt. (m)	Notes
1054	440	110	880	Heard a gunshot
1101	492		900	Cross 1987 soil contour.

About ~~30~~ m S. of L50N, 29+75E  
which is in the gully.

Soil sample is about 30 m upgully at this  
elevation, 070. ML 1063, <sup>50 cm BR ash,  
light greyish brown  
soil below.</sup>  
ML 1063 is supposed to be about 50 m N of  
the gully I am going up, about 50 m N  
of L50+00N.



If I am in the wrong gully, then  
L50+00N is about ~~50~~ m too far N.

Go uphill toward other gully <sup>50</sup> from ML 1063

1127	515	150	900	(ML 1063)
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1135	568	100-110	935	L49+50N, 30E
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On nose between 2 gullies, 25m to each

Cliff appears to be 100m E or so

1143	615	090	950	
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Soil sample site near base of cliff ~~with~~ ribbon,  
broken off ~~orange~~ ribbon  
Gully to N. dies out, one to S may continue up.

Alt. about 20-30 m high p. 3/4

M577 WAYSIDE 88-09-22 J. S. Gelsinger  
TRAV. JG-2

Time	Chain(m)	Alt.(m)	Dir.	Notes
1155	700	990		

Greenstone outcrop starts at 950-960 m Alt., goes up another 100 m(?) from here.

Stop for lunch, radio sched.  
12:03 Radio sched w/ Dave.

He's at 1050 m, starting down.  
We couldn't hear each other too well, but well enough to know we're OK.

Altimeter might be a little high.

Spa. JG-11

Massive basaltic greenstone with local foliated zones. : F166/87W

Grain size is 0.5 mm to 4 mm, chloritic, non-foliated in general, weathers brownish to grey. Local ± carb. ~~zones~~ veins. Minor dissem. py 2-12

Reddish-purple zones sheared in, 10 cm wide at F070/58SE. They look like chert panels < 10 cm thick also parallel to fol.

Red chert + greenstone sample JG 8W-004

Time	Chain	Alt.	D.r.	Notes
1332	700	985	180	(Dropped to base of outcrop before chaining in.)
1336	723	980-85	250	Head below bc.
1341	750	975	200	Lowest part of gs bc.
1345	763	970	154	Going up edge of o.c.
1349	809	995		These go way up into cliff, no o.c.
(Working out location)				
1409	810	995	180 to 200	No o.c.
1419	915	995	220	"Contouring" across talus.

Now at outcrops of greenstone again.  
Change topofil.

1438 940 1000 m. 250.

Carbonate - altered greenstone.

Pinkish-weathering face is mostly calcite. Some white calcite veins, criss-crossing all over the place.

Station JG-12 Sample JG-005

1450 980 980 240 Last o.c.

Low area at base of slope is at 970 m el. or so (should be 940, 30 m high)

1452 998 970 240 Unmarked fresh topofil

running along base of slope

1457 1037 970 270 L47+00N,

(Crossed fallen logs 29+75E  
Double, prob. 20 m from last place)

This place is very flat, should be about 940 m elev. Alt may be up as high as 30 m!

M577 88-09-22 WAYSIDE J.S. Seltzer

TRAV. JG-2

maybe up 30 m

Time	Chain	Alt.	Dir.	Notes, Loc.
15:04	1039	"975"	270	L47N, 29+75
15:09	1067	"980" (Act. lower)	270	L47N, 29+90 <sup>E</sup>
	L47N, 29+25E	sideways(NS)	970	Some more topofil No o.c.
15:14	1123	"960"	270	L47, 29E
1521	1232	"930"	270	L47, 28E

Coming out on ridge after crossing low area  
Rounded 1m boulders of QD

L47, 27+75. Rounded cobble of rusty pyritic  
Black rock w/ some patchy pyrite. Float,  
prob. Glacial deposit with abundant granitoids  
Bare ridge.

1528. 1285 "915" Go back <sub>090</sub> L47N, 27+50<sup>E</sup>

Huge outcrop of folded chert with  
vertical drop of about 50 m.  
will have to backtrack somewhat.

Sta. JG13 Alt is 30 m too high.

1537 1326 ~~"925"~~ 020

Having backtracked, will head down to N  
in low area with miserably close trees  
Going down above chert o.c. at edge of  
gully.

1543 1401 "895" Blue line,  
no loc.

Time	Chain	Alt.	Dir	
1543	1401	"895"	320	Going around end of Chert
(Chert bedding (1-10cm beds, white to buff) ↓ h 145/56 SW, near 47+50 N, 27+75E.				
1547	1425	885	320	
1551	1458	"865"	270 N	Chert outcrop.
1553	1485	"865"	270	<del>L48N</del> L48N, 28E
1558	1520	"850"	270	Chert outcrop
1602	1586	"835"	270	L48N, 27+75E L48N, 27+100E Station missing Line #
Can hear water trickling in gully 25 m N				
1607	1633	"825"	270	26+50E (Add L48N)
Nose of ridge				
1611	1686	"800"	270	L48N, 26E
1616	1751	"775"	270	BL 48+00N, (25E)
1621	1853	"755"	270	48N, 24E
1625	1925	"735"		48N, 23+25E

ROAD:

1630 Truck. Met w/ Dave.

We go up road above gravel pit

to about 40+75N, 24E

Dave found a conglomerate.

Rounded pebbles to cobbles of  
 chert, quartzite, ls, qd, etc.

gs, cherty matrix, some sandy  
 material.

DM 8W-006

Stetinger

p. 11

M577

WAYSIDE 88-09-23

TRAV JG-3

0807 Braalorne. Weather; Raining, Foggy

Dave McHardy driving.

0816 Gold Bridge

0821 G.B. Dump. Dump 1 bag garbage.

0829 Gravel pit. Set Alt. at. 740 m,  
Should be 683 m. ?

Leave D.M. at Gravel pit. To be picked up  
about the bridge up the road.

Drive up to area on road where  
greenstone is faulted in with chert.  
The goal is to map the faults/contacts  
between chert and greenstone

I'll start at the creek, chain up the  
road, map in 2-3 outcrops, where the  
faults are exposed in the roadcut,  
then traverse uphill.

Elevation at creek/road should be 675  
705 m already. Reset to 675 m

Raining.

Time	Chain	Alt	Dir.	Notes
0917	0	675		

This ink does not appear to be as  
waterproof as regular black ink.

ON ROAD CUT

Time	Chain	Alt.	Dir.	Loc., Note
0916	0	675	040	Ash; glacial outwash
0922	050	678	054	angular chert boulders
	83-91			Large chert boulder
0924	91	683	045	Ash, outwash
	115			Angular greenstone float, possible o.c.
0927	125	690	045	Def. outcrop greenstone

Broken-up greenstone with calcite veins, orange-rusty weathering + slickensides

Station JG-14 [130m Sample m344] in rusty greenstone

132 Contact with chert appears to be a fault.

In greenstone, reddish-altered zone and rusty carbonate vein are parallel,

{  $H015/68NW$ , whereas

foliation in the greenstone is at  $Z146/82W$

Sample of red-altered greenstone.

May be weathering(?) Sample JG8W-006

Bedding and foliation in folded chert near contact is  $121/77E$

(sample loc. prev. as fold axis)

Joint surface in greenstone next to contact is  $L116/89W$



M577 WAYSIDE 88-09-23 TRAV. JG-3

Time	Chain	ALT	Dir	Notes
10:00	132	692	045	
	159			outcrop of sheared + folded chert ends. 87-DW
	178			Subcrop of rusty chert, 563
				veined, becomes outcrop. QV in chert
	190			Chert has red-rusty phyllitic foliation $\pm$ 018/76W
				and crenulation lineation $\uparrow$ 015/06
				Subparallel to <sup>Carpenter</sup> Lake
				Sheared up, folded, rusty chert
	209			End of outcrop (87DW-?)
				Covered area to <u>217 m</u> , outcrop of massive greenstone.

Actually chert subcrop in road goes to 212, and rusty angular chert is at 216.

Contact may be another fault.

Sta. JG-15 at contact.

Red-orange-rusty surface <sup>near</sup> contact? is  $\pm$  166/70W with some quartz veins

Actual contact is here, the QV is part of chert. <sup>Local</sup> Contact is a slickensided surface =  $\pm$  050/73W may be infolded.

qs



Time	Chain	Alt.	Dir.	Notes
1030	0	695 <sup>Road</sup>	162	Going off road up into bush
1037	020	710	090	Outcrop of pink chert w/ white
Above road. Going to cross to define contact.				back into gs Chert boulders white + grey, massive No more chert float, only gs
1045	043	720	090	Outcrop of greenstone
1049	055	730	217	
To check out other outcrop, change direction.				
1053	069	725	180	
Outcrop looks like chert + limestone (poss. calcite veins) mixed in with <sup>vesicular</sup> greenstone.				
Directly below here on the road is chert outcrop, about 30 m down hill. I can see large greenstone outcrops about 50 m uphill.				
The face on these limy, quartz (chert?) veined greenstone outcrops trends 000/83W				
(56-16)	may be trend of contact with chert.			
078 to 090 m more greenstone outcrop				
	090	730	205	Worked on exact map loc.
No outcrop, but some chert float from above				
1130	109-115	720	194	Outcrop of greenstone.
1138	125	720	160	6m - chert boulder? (4m)
1143	137	725	180	Outcrop of foliated gs (10m)
Foliation is parallel to base of outcrop at 000/83W				
1153	160	732	190	Kind of good outcrop, more boulders (gs)
1157	171	732		Outcrop of cherty/limy material in gs

M577 WAYSIDE 88-09-23 TRAV. J6-3

Time	Chain	Alt	Dir	Notes
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Getting into creek gully vegetation.

Raining harder.

Noon - Could not make radio contact w/DM

<u>1210</u>	171	732	160
-------------	-----	-----	-----

	177	738	135
--	-----	-----	-----

1221	210	765	140
------	-----	-----	-----

- Massive greenstone outcrop(?) (or 10-15m boulders)

Sta. 56-17

Float of calcareous "tufa" with greenstone fragments. <sup>From</sup> Weathering under the outcrop

- Cross someone else's topo fil. DW 832

1238	250	780	140 <sup>Break in slope.</sup>
------	-----	-----	--------------------------------

End of boulder pile of greenstone

There are more uphill, 10 to 15 m across

1245	284	785	194
------	-----	-----	-----

Sta. 56-18

1247	298	780	87 <u>ML 1025</u>
------	-----	-----	-------------------

In the gully at the soil sample site.

Poss. a.c. of chert nearby on W side

Gully is small, trends 290°

Also sample 88 mm 350

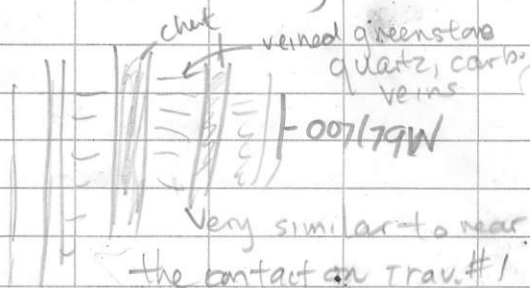
The chert does not look to me as though it has iron carbonate alteration.

It has some calcite veining and rust stains, but that is not the same thing.

Chert layers in g.s.

Time	Chain (m)	Alt (m)	Dir (°)	Notes
1330	300	780	S	Go uphill to find this outcrop
	317	790	180	

Chert outcrop? Interlayered with greenstone  
 Veining in greenstone is perpendicular  
 to contact with chert interbeds (5 cm)  
 GS (10 cm), chert (5 cm)



I would put this on the greenstone side of the contact. Similar at Sta. 18

340 - Foliated greenstone (1 m oc?)  
 Foliated greenstone boulders + outcrop.

1343	363 to 370	810	200	
------	------------	-----	-----	--

Foliation in greenstone  $\neq$  158/80E

1351	A 393	810	210	
------	-------	-----	-----	--

Massive greenstone since last reading

Contouring	SW	210		
------------	----	-----	--	--

1357	440	810	200	massive + fol greenstone
------	-----	-----	-----	--------------------------

1416	617	810	was 200 on a contour	NO O.C.
------	-----	-----	----------------------	---------

No outcrop to gully. Gully trends 314  
 See a grouse.

M577 Wayside 88-09-23 Trav. JG-3

P.

J. S. Hetsinger

Time	Chain	Alt	Dir	Notes
1420	617	810	280	No oc
1422	655	820	300	
1425	711	825	335	
	Crest <sup>(nose)</sup> of ash-cored ridge. Head down nose of ridge.			
1438	840 onto <sup>(top)</sup> 868	785	340-	
	Outcrop of glaciated chert on west side of ridge. Pink + white layered cliff-former. Strike 025/dips 60? W			
	910	770		Crossed soil line
1448	970	760		Chert outcrop soil line also

Sta. JG-19

50 m cliff on 3 sides, will backtrack somewhat toward gully (E) and come down to road

Kink fold axial plane  $\beta 120/70SW$   
Fold axis 305/44



sky is clearing up.  
Pickup rock samples.  
Dry out notes.

1504 1142 685

Back to 'start'

LEVEL

1545 Back down to bridge to  
wait for Dave.

Parked near a truck and a trailer

J. & Heltingen p. 174

M 577 Wayside. Trav. JG-4.

88-09-25

Weather: Snow (2-3 cm) in Bralorne. Foggy, etc. worked on report tile con.

1251 Bralorne. Most of the snow melted. Partly sunny, still cool.

JG to Gravel Pit, to walk up road. DM to go up on Gate Road to the ridge.

1252 Gold Bridge.

Gravel pit. walk up to Sta. DM 7/3  
Conglomerate / drift.

Time	chain	Alt.	Dir
1305	0	755	120

Up old road? Very overgrown.  
33

There is a trench 1.5 m wide, 5 m long, 1.5 m deep in ash (30 cm), then soil + drift

It is on line 40+50N <sup>between 24E</sup> <sub>+24+25E.</sub>

There isn't really an old road here.

Will go up 120° anyway.

1318	58	780	120°	5 m from trench
1319	069			

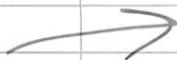
Another trench

MSMT

88-09-25

564

p. 2/4



Time	Chain	Alt	Dir	
1320	070	780+	120	No road
<del>1322</del>	88			Cross EW line 40N?
1332	202	810	160	

ON ridge next to Creek. No road  
will follow ridge.

Very steep drop to creek, but can't see or

1336 223 820 180

At. L39+50N,  
25+75E

Creek is in very steep gully. Outcrop  
on other side is rusty bedded dark grey  
rocks w/ est. orient: 006/40 W

Outcrop on this side is very poor  
but looks like argillite

80° slope to creek 15 m below

Sta. JG20 Sample JG8W-008

Can see creek takes right angle turn +  
does big waterfall, at least 50 m

On this side argillite (black, rusty) is  
fissile, maybe shale, with slight  
foliation at 170/90, bedding also  
dipping about 172/48 W

2 photos of waterfall - appears to  
be entirely in black argillite,  
although can't be certain

There may be a more competent rock at  
the top.



Chemom M577 Wayside

P3/4

88-09+25 Trav. JG4 *J. Helsing*

1400 282 825 S  $\begin{matrix} \swarrow 39N \\ \searrow 25+75E \end{matrix}$

The old road follows the <sup>old</sup> water line. It does not start as shown on map, but farther west, but does come up to here, where water fall turns right angle. Rock at very top of falls, other side, looks like greenstone, but is about 50m across the gorge. Now to follow old road,

1408 302 835  $\begin{matrix} \swarrow 38+50N \\ \searrow 25+75E \end{matrix}$

Switch in road. Old wooden waterline with metal rings trends 140

Road is not like it shows on map, and there is no excuse for it.

An old road switches to 120.

I'll keep on the open one.

1415 350 835 + 258

1416 375 840 150

Switch back uphill

1419 401 840 200

1422 431 840

$\begin{matrix} \swarrow 38+100N \\ \searrow 25+25E \end{matrix}$

This is not where I wanted to go.

Should follow old waterline instead.

Go back to waterline

Time	chain	Alt	Dir	
				Back to old waterline at corner of Creek at road turn
1430	re-zero	825	140	

1432	48	835	090	Meet w/ other road that switched back on contour following old waterline Gorge to left (NE)
------	----	-----	-----	--

1435	73	845		Near top of falls
------	----	-----	--	-------------------

Outcrop of blocky, massive-bedded, calcareous sandstone(?)

Sample JG8W-009 Sta. JG21

1443	092	855	120	38+50N, 26+50E
------	-----	-----	-----	----------------

Old pump house ruins Top of falls (10m)

Top of falls in in grey ss, not gs

1448	137	855		
------	-----	-----	--	--

More old machinery + ruins, right at creek. Water line continues up further!

~~Outcrop~~ behind wrecked machinery  
Granitic boulders

1457	191	870	180	
------	-----	-----	-----	--

Waterline is in creek gully, after this climbs up steep embankment

In a few m, crosses another line.

1504	241	890	180	37+50N, 37+75E
------	-----	-----	-----	----------------

Still following waterline. No road

1512	311	915	20	37N, 27E
------	-----	-----	----	----------

Meet up with road that curves around to W

M577

L. L. Hetsingw

p4/4

88-09-25, Trav JG.4.

Time	Chain	Alt	Dir	(37N, 27E)
1521	311	915	180	low Road up
1524	347	920	130	26+50N, 27E
	359		180	
	394	925	120	
1529	421	935	210	Near 36N, 27+25E
Intersection with other road that curves around - Go right (SW)				
	480	Cross L	35+50N	Garbage Kitchen sink
1535	563	930	230	235N, 26+50E
1544	744	935	230	

Lost the road. Came across a top of hill line, might be DM 3. Been paralleling old road.

Hard to tell where it goes, in alder, etc. Looking for hill to E, see it.

1554 980 930 150

West side of little knob. It is nubbly limestone / limy conglomerate w/ rounded chert pebbles; arg. clasts. Bedding / foliation is at 150/85W

1600 1091 970

Sched w / DM OK not too clear. He heard me, is on his way down

LEVEL

~~1129~~ - 1129

Time	Charn	Alt	Dir	Notes
1614	1129	990	090	Top of knob (Sta. 22 moved up hill) Good exposure of Limy conglomerate Sample <u>JG8W-010</u> Pebbles are chert + felsic(?) rock. Rock is > 50% limestone, sandy limy matrix Windy. Follow orange flagged line 090 (claim line?)

1630	1249	955	090	
------	------	-----	-----	--

1639	1560			TRUCK OK
------	------	--	--	----------

M577 WAYSIDE

TRAV. JG-5

88-09-26

Weather: Cloudy, cold, some clear sky.

Plan: NE side of property to look at contact of greenstone and chert.

0900 leave Bralorne (after waiting for DM)

Leave Dave McHardy on lower scutch-back, NE corner of property

0936 Park up by gate. should be about 932 m. Alt is. 872.

Reset to 930

0946 up at house to look at hillside

No one comes out when the dogs bark. The pit bull is tied up

950 m Alt. Will go back down

to gate + trav. from there.

Time	Chain	Alt.	Dir.	Notes
1000	0	930+	to gate 310	Head toward "chert" of
1015	135	925	" 310 "	Clay McHardy eaten
1024	174	930	310	
				Old topo fil going uphill, Greenstone boulders
1027	199	940	310	Soil site 87DW781 Ash > 20cm
1034	257	960+		Soil 87ML Ash > 947 > 60cm

Flow of Rusty black shale +

cherty material. Another soil line

1045 348 1000m 620

more contour to soil site 87ML 960  
always 371

LEVEL

Time	Chain	A.H.	Dir.	
1049	371	1000	310	soil site ML 960 Ash > 60cm
1100	393	1015	5	

Sta  
5623

Outcrop of reddish-weathering crudely rocky, looks like cherty material, EV(?) can't tell, no fresh surface, all red-brown

Crude layering(?) goes 010/70W

(More outcrop uphill)

Broken surface shows weakly foliated sandy or fine-crystalline texture (grain size < 0.5 mm) (greenstone?) crosscut by small quartz vein (< 2 mm) with a rusty selvage and some grey metallic specks (non-magnetic)

Altered greenstone(?) Sample JG2W-011

1122	393	1015	290
------	-----	------	-----

Has interbedded shaly layers.

Some kind of interlayering volcano-sed. rx

Crenulated phyllite; cherty rx

1131	430	1040	300
------	-----	------	-----

Crossed some flagging

Lots outcrop. Phyllite, all ground up around. Increasing cherty layers toward the top of the outcrop.

1145	482 (chain broke)	1065	?
------	----------------------	------	---

Bedding - general: 7030/36W

Goes every which way below - easily a fault slice

## M577 WAYSIDE TRAV. JG5 88-09-26

1150 - Top of sed outcrop. Good lunch spot. Can see house w/ goats + dogs.

The dogs have been barking at the noise I make.

weather is not great. It is misting here, totally soaked in up at Truax

1215      482      1065      020

Try contouring over to greenstone

1220      515      965      025

Bedding in grey chert interlayered w/ phyllite =  
020/78W

1225      563      960      030

More outcrop of chert/phyllite rock, with calcite lens (10-15 cm)

Going N, exposures are more cherty, less phyllitic.

1232      615      1065      300

outcrop  
uphill

Cherty rock gives way to altered greenstone interlayered. It is more of a facies change than a fault, although layering is all squished around.

1237      645      1085

soil site  
ML985

Starting to rain. May go down soon  
Hear a vehicle on the road

Prob a tuffaceous unit

TIME	CHAIN	ALT	DIR	
1242	645	1085	010	Containing
1247	699	1090	020	Soil site ML986
1252	735	1085	150	

Sta  
5524

foliated to massive greenstone outcrop

Raining. Go down, try to define contact

better. There is a gully, which could be a fault, but the units appear to be mixed near the contact

1258 780 1065 140

Back on S side gully, <sup>outcrop of</sup> more foliated greenschist, but still a meta volc or vcl<sub>2</sub>

1303 810 1055

Soil site  
ML977

Cross soil line. Come to cliff of greenstone

1310 892 1015 180

Could go around either way, More likely to see contact w/ chert on S side

1314 905 1015

Chert <sup>like layers are</sup> right here. Sample site

87 mm 356. Same outcrop as

greenstone. No major fault

in gully. Can't quite get to real

contact, it is under the

overhang below

I think I am farther ~~S~~ than mm 356 loc on map.

OK



## MS 77 WAYSIDE TRAV. JGS, 88-09-26

1317 905 1015 190

926 Def. into cherty stuff.

Was intermixed w/ greenstone

St. 11 outcrop here, below for 10 m

1320 926 1005 150

1323 973 985 120

Greenstone is more layered, maybe to face

Near another soil line

1328 1061 960 160

1334 1175 925 160

1338 1200 925 150

Cross creek on big spruce log

1356 1370 940

Come out on road 15 m N of

Truck, 25 m N of gate

Pouring Rain

oc of  
fol. gs,  
cherty  
face87  
ML 935

550 cm ash

Near  
creek

# J.S. GETSINGER

PAGE



DATE	PROJECT	TRAV #	NTS #	CLAIM	LOCATION	SAMPLE #
08-Sep-88						
09-Sep-88						
10-Sep-88						
11-Sep-88						
12-Sep-88						
13-Sep-88						
14-Sep-88						
15-Sep-88						
16-Sep-88						
17-Sep-88						
18-Sep-88						
19-Sep-88						
20-Sep-88	M577	JG-0	92J/15	Wayside Prop.	S. of Carpenter Lake <sup>checked 1987 mapping on road</sup>	-
21-Sep-88	M577	JG-1	92J/15	Wayside Prop.	S. Carp. Lake. L35N, over the hill to E	JG 8W-001 to 003
22-Sep-88	M577	JG-2	92J/15	Wayside Prop.	S. Carp. Lake, W. side, up gully to cliff, down L47A48.	JG 8W-004, 005
23-Sep-88	M577	JG-3	92J/15	Wayside Prop.	S. of Carp. Lk. N. end of prop. Road up toward	JG 8W-006, 007
24-Sep-88	M577	-		Wayside	Office day - Report	
25-Sep-88	M577	JG 4	92J/15	Wayside	S. End of prop. L40 to S of L35N	JG 8W-008 to 010
26-Sep-88	M577	JG 5	92J/15	Wayside	E Side Ridge	JG 8W-011
27-Sep-88						
28-Sep-88						