

Allen Lake Project
Assessment Report on Trenching

NTS 41 O/NE

October 29, 2011

Todd Keast

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INTRODUCTION

During 2010 and 2011, Charlie Mortimer completed a trenching program on a group of claims in Cunningham Township, situated approximately 130 kilometres southwest of Timmins Ontario, within the Porcupine Mining Division.

The project is located in the Swayze greenstone belt of the Abitibi Subprovince. The greenstone belt is an east-west trending sequence 45km by 25km. Rock types include massive and fragmental rhyolite volcanic rocks, massive basaltic flows, and scattered feldspar porphyry intrusions. Sedimentary rocks are a minor component and include greywacke, iron formations, and conglomerate. East-west trending fold axes are prevalent throughout the stratigraphic package.

Mechanical trenching exposed a variety of rock types, including mafic sediments, iron formation, Timiskaming style conglomerates, diorite intrusions, massive mafic volcanic flows and lapilli tuffs. Quartz veining, sericite alteration, localized and large scale deformation have been documented across the series of trenches. Disseminated pyrite mineralization have been exposed as several showings associated with sedimentary units and intrusive units.

LOCATION AND ACCESS

The property is situated 130 kilometres southwest of Timmins, Ontario. The project is located in Dore Township of the Porcupine Mining Division. The UTM position of the project UTM Zone 17 377990 E 528980 N, **Figure 1**.

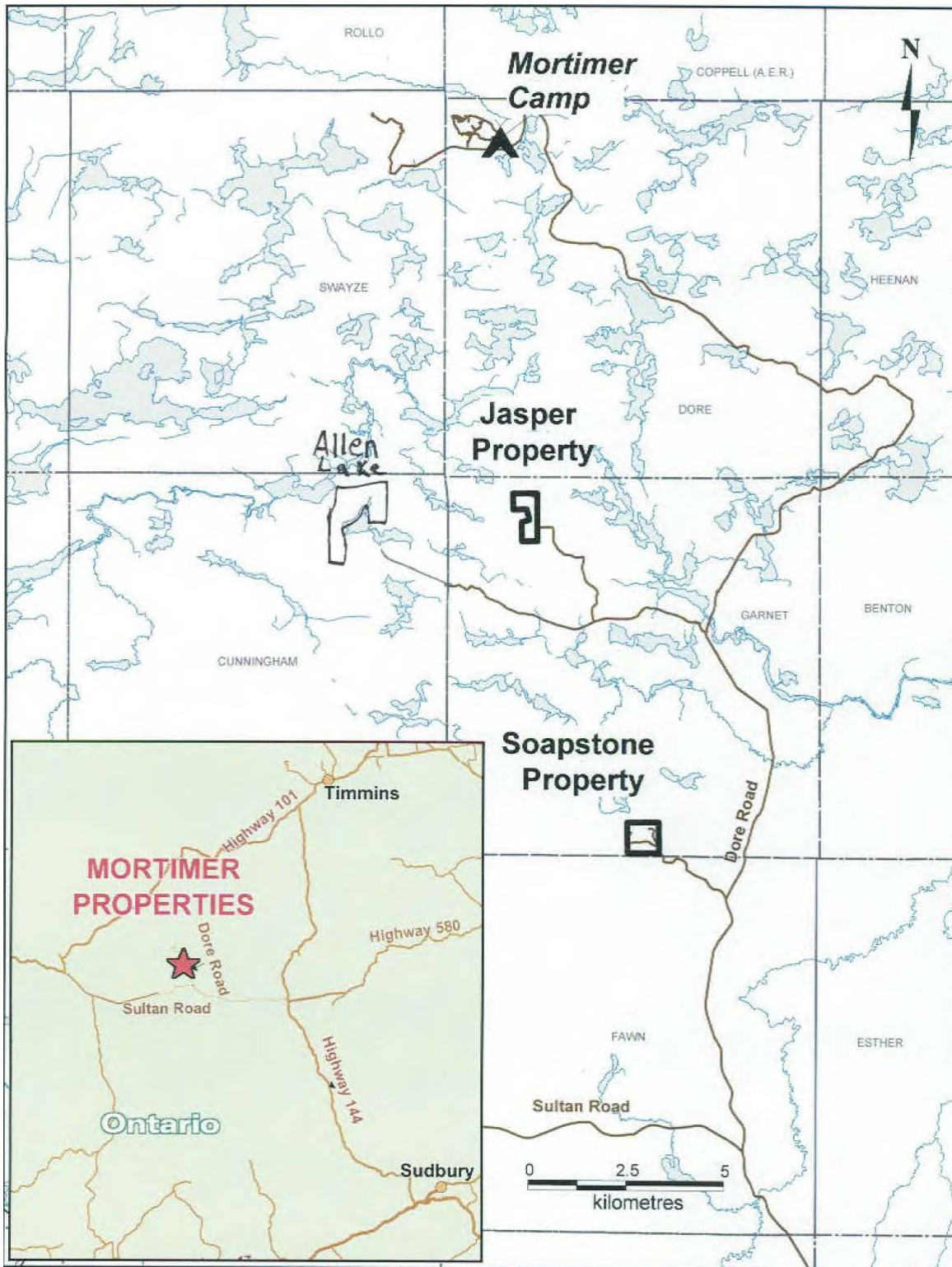


Figure 1 – Location

Access to the property is excellent. The Folyet logging road is accessed from Hwy 101 approximately 100 km southwest of Timmins. The Foyet Timber road intersects the Dore Road. The property is approximately 75 km south of the Hwy 101, followed by a 12 km road going west (Garnet Road) which is located immediately south of the Wakami Bridge. Mr. Mortimer has signs on the Dore Road indicating turnoffs to his property. Logging roads and an access trail is used to provide ATV access to the area of the trenching.

PROPERTY

The Allen Lake Project consists of 9 unpatented mining claims. The claims are situated in Cunningham Township of the Porcupine Mining Division. The claim holder is Charles Mortimer 100% . A listing of claims on the Allen Lake Property is included in Table 1.

Table 1 – Claims

Township/Area	Claim Number	Recording Date	Claim Due Date	Percent	\$due
CUNNINGHAM	4248202	2010-Apr-14	2012-Apr-14	100 %	\$ 800
CUNNINGHAM	4248208	2011-Sep-01	2013-Sep-01	100 %	\$ 800
CUNNINGHAM	4250757	2009-Oct-30	2011-Oct-30	100 %	\$ 800
CUNNINGHAM	4250758	2009-Oct-30	2011-Oct-30	100 %	\$ 800
CUNNINGHAM	4250759	2009-Oct-30	2011-Oct-30	100 %	\$ 800
CUNNINGHAM	4254697	2010-Feb-26	2012-Feb-26	100 %	\$ 6,000
CUNNINGHAM	4254698	2010-Feb-26	2012-Feb-26	100 %	\$ 2,400
CUNNINGHAM	4254699	2010-Feb-26	2012-Feb-26	100 %	\$ 6,000
CUNNINGHAM	4254700	2010-Feb-26	2012-Feb-26	100 %	\$ 800

TOPOGRAPHY

The Allen Lake Project is characterized by rolling topography. The vegetation consists predominantly of balsam and spruce in the low areas, and a mixture of poplar and balsam in the high areas. Outcrop exposure is approximately five to ten percent.

REGIONAL GEOLOGY

The project is situated in the Swayze greenstone belt of the Abitibi Subprovince. The greenstone belt is an east-west trending sequence 45 km by 25 km. Rock types include massive and fragmental rhyolite volcanics, massive basalt flows, and scattered feldspar porphyry intrusions. Sedimentary rocks are a minor component and include greywacke and conglomerate. East-west trending fold axis are prevalent throughout the stratigraphic package.

The Ontario Geological Survey completed a mapping project of Cunningham Township O.D.M. Report 33.

PROPERTY GEOLOGY

The claims are situated over a northwest/southeast trending package of mafic volcanics, ultramafics with some iron formation. Lithological contacts are preferential sites of structural development, thus important exploration targets.

The geology of the project is complex due to the variation in rock types exposed in the trenches, the changes in the foliation of the units, the evidence of small scale and larger scale folding. The presence of a possible large diorite intrusion may also lead to further complexities.

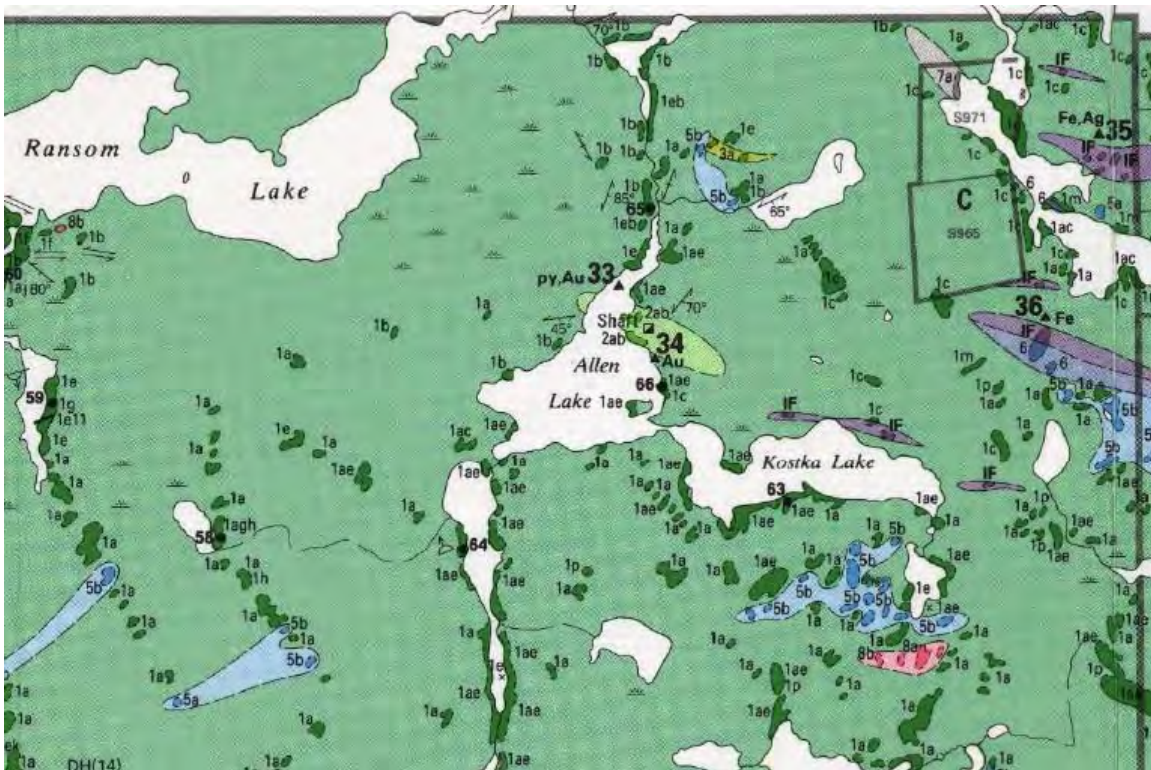


Figure 2 - Geology

EXPLORATION PROGRAM

Mr. Mortimer has completed a series of two mechanical trenches in 2010 and sixteen trenches in 2011. The trenching was done with a backhoe excavator.

Rock types encountered include:

Mafic sediments: Dark green fine grained and rarely bedded.

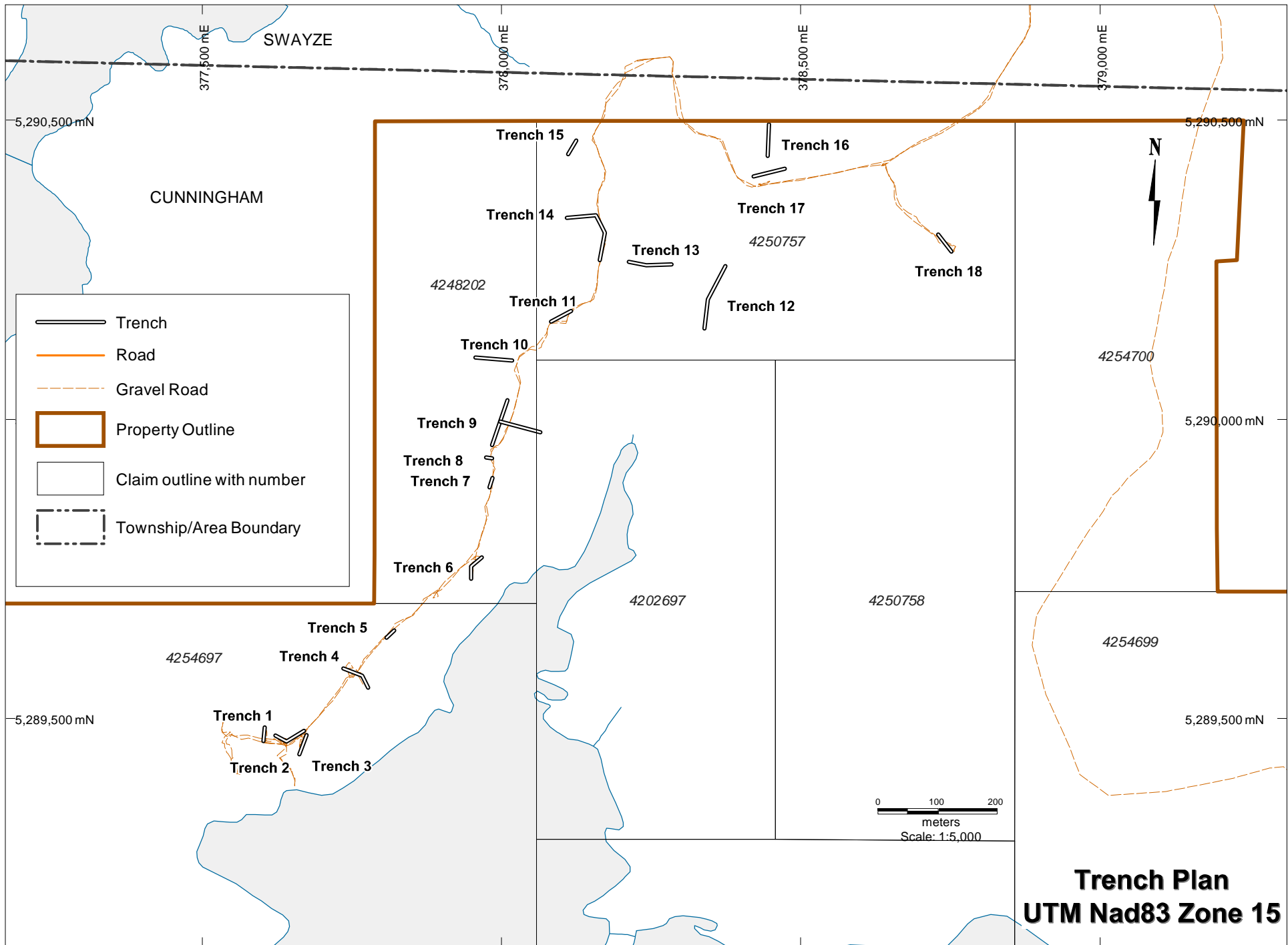
Argillite/graphite: Sediments which display delicate bedding 1mm 1 cm wide beds with dark black soft graphitic composition.

Conglomerates: large clasts of variable composition conglomerates. Distinct red chert clasts identify these units as Timiskaming style sediments.

Lapilli Tuffs: lapilli sized fragments in unsorted units.

Massive Mafic Flows: Dark green massive units with rare flow contacts.

Diorite Intrusion: Crystalline massive intrusive unite.



Structural

Trenching on this scale has identified folding in outcrop scale as observed in Trench 14, and on a property scale. Foliation/bedding on the southern trenches are generally east west, where the northern trenches foliation is generally north south.

CONCLUSIONS AND RECOMMENDATIONS

Further work is recommended for the Allen Lake Project. The large scale folding and the presence of Timiskaming sediments are important exploration features associated with the Timmins and Kirkland Lake Gold camps. Additional trenching and a sampling program is recommended.

Todd Keast

Oct 29, 2011

REFERENCES

References:

Donovan, J. F. 1965

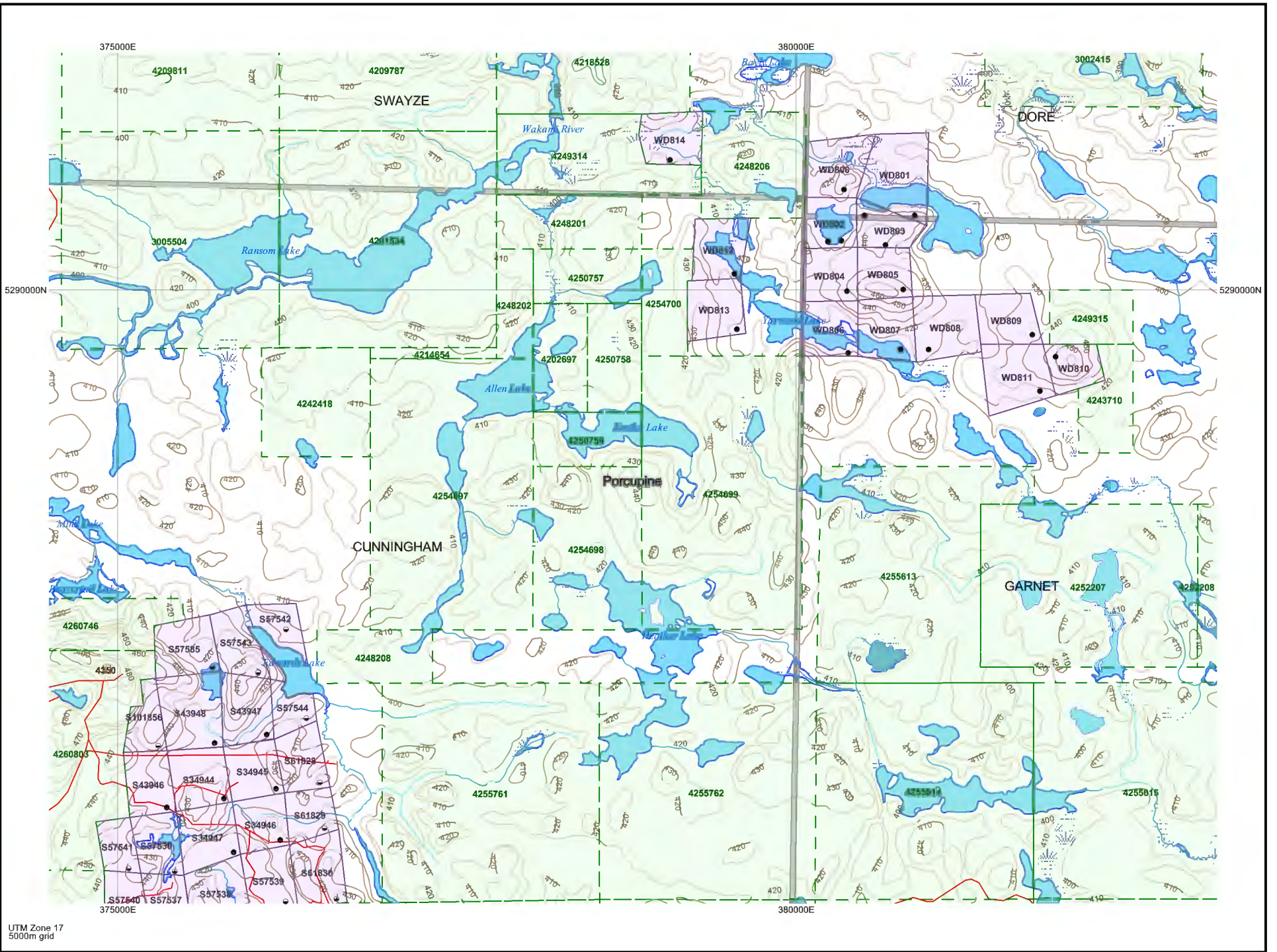
Geology of Swayze and Dore Townships. Ontario Department of Mines
Geological Report No. 33. Accompanied by Map 2070, coloured.

O.G.S. 1982

Airborne Electromagnetic and Total Intensity Magnetic Survey, Swayze Area,
Cree Lake Sheet, District of Sudbury, 80541.

Appendix I

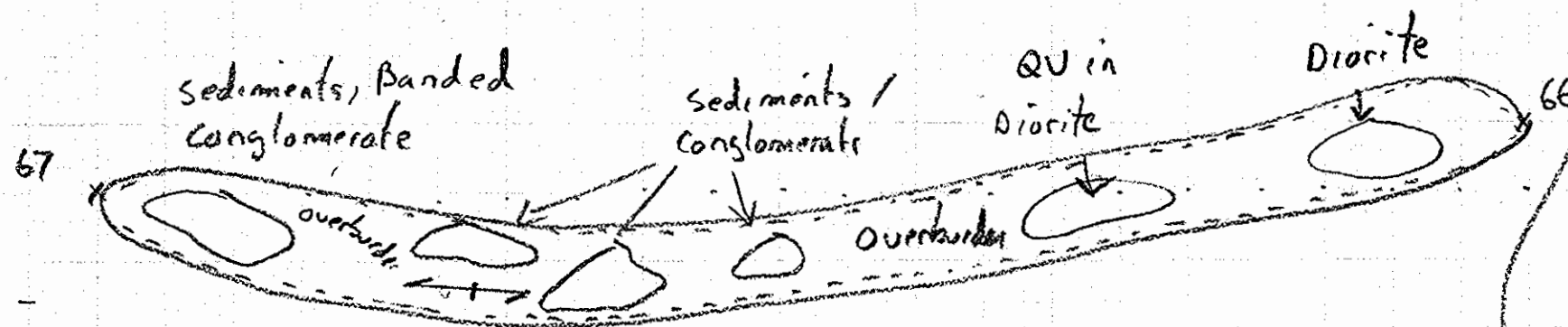
Plan Maps of Trenches



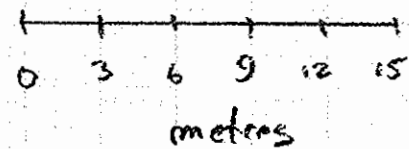


Trench 13

Trench 13 70 m long 5 m wide
0.5 m deep



UTM Points		
x 67	378215	5296263
x 66	378284	5290259



photos 474, 475 476 477 478 479

Allan Lake Project
Oct 26 2011
TK.

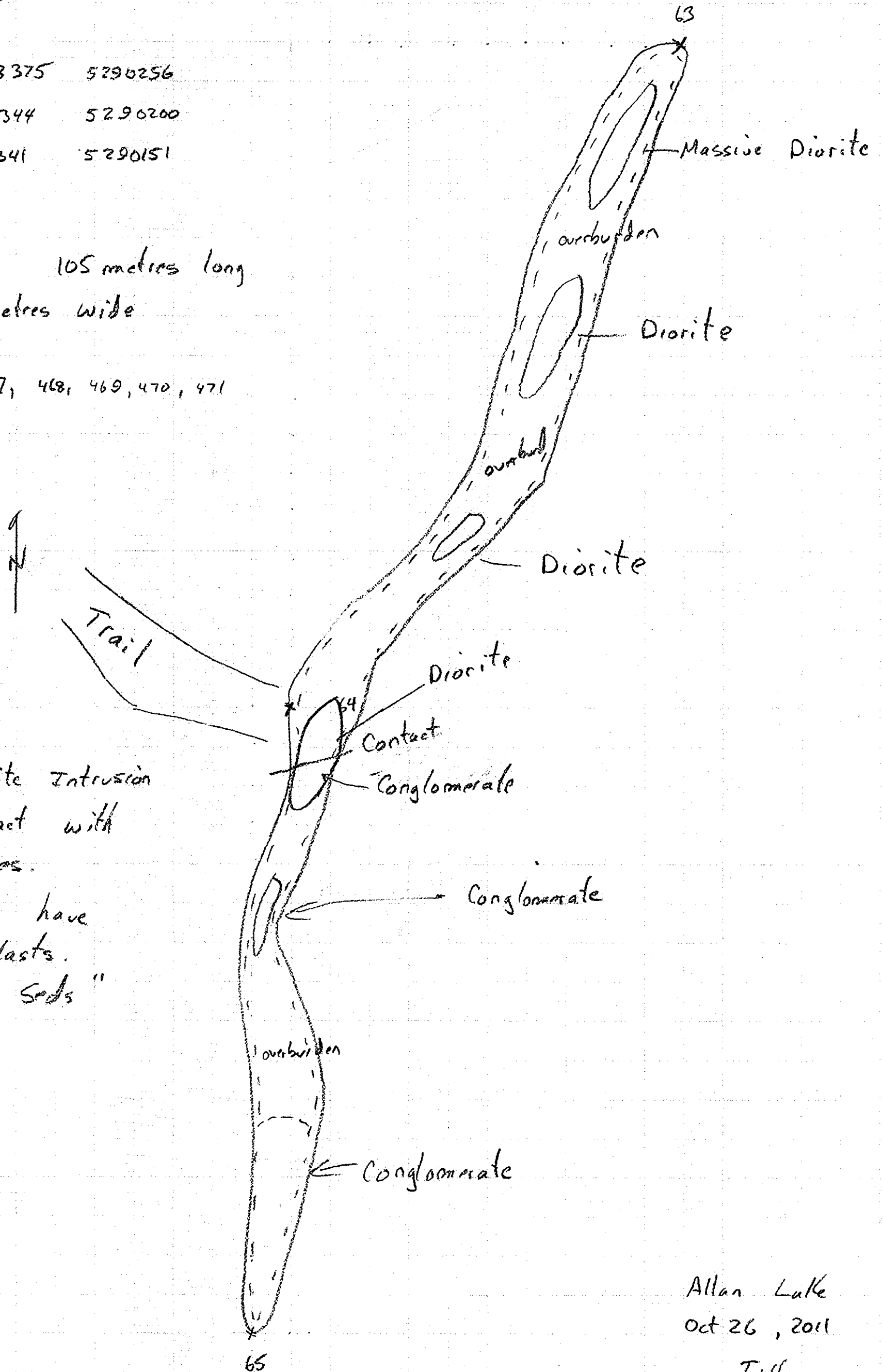
Trench 12

UTM Points

X 63	378375	5290256
X 64	378344	5290200
X 65	378341	5290151

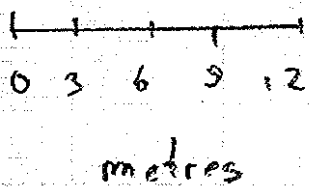
Trench 12 105 metres long
5 metres wide

Photo 467, 468, 469, 470, 471



Large Diorite Intrusion
Major contact with
Conglomerates.

Conglomerates have
red chert clasts.
"Timiskaming Sands"



Allan Lake
Oct 26, 2011
Till.

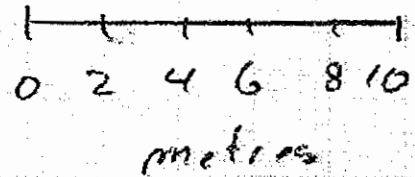
Trench 11

UTM Points

X 62	378083	5290163
X 62A	378110	5290160
X 62B	378112	5290184



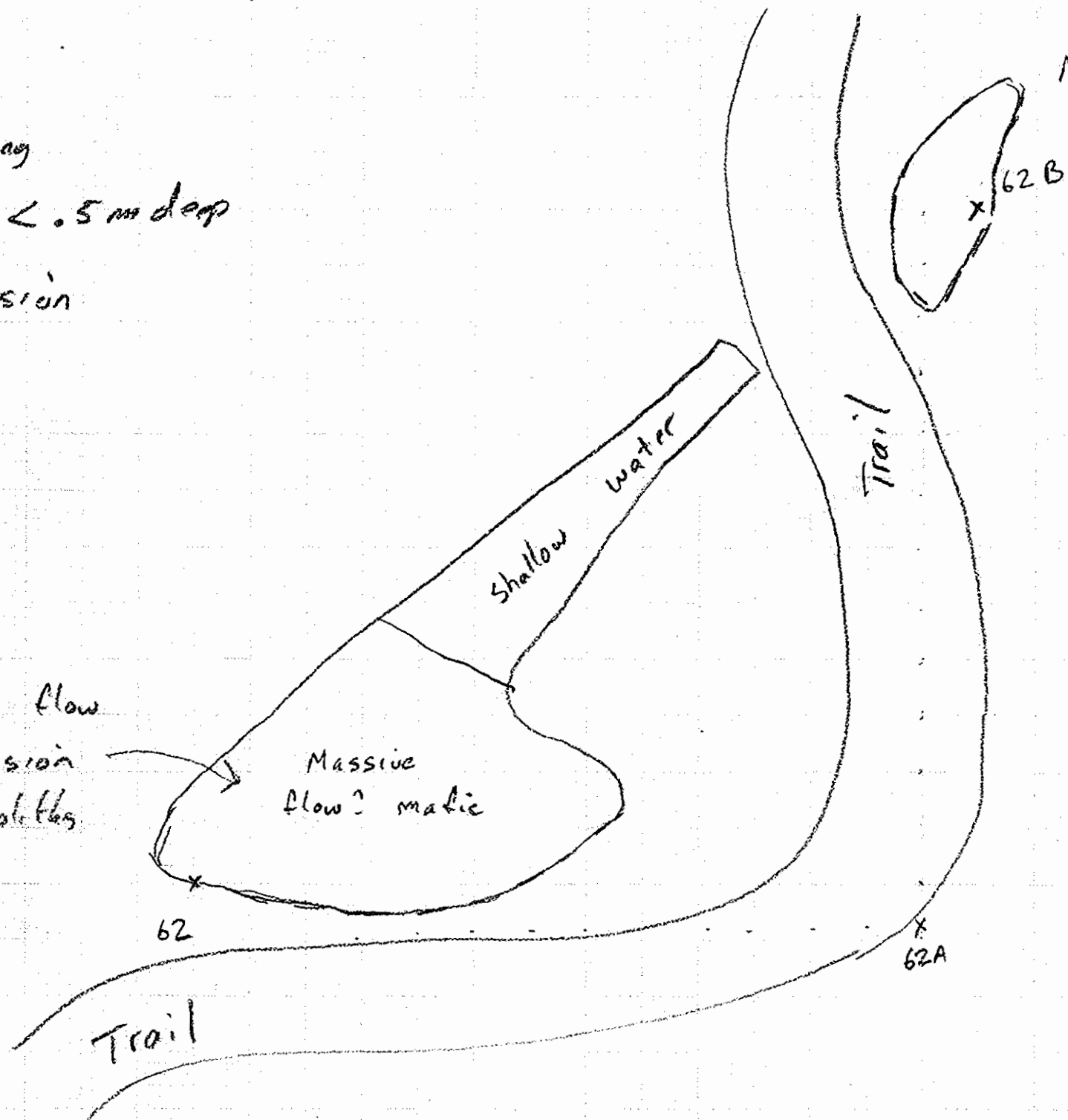
Trench 11 is 35m long
with variable width < .5m deep
Massive flow or Intrusion



Mafic flow
or Intrusion
with xenoliths
or rafts

Massive
flow? mafic

Massive flow
or Intrusion



Photos 457, 458

Allan Lake Project
Oct 26, 2011
T.K.

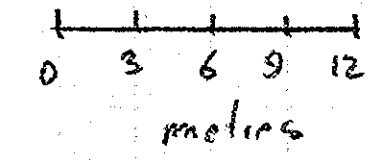
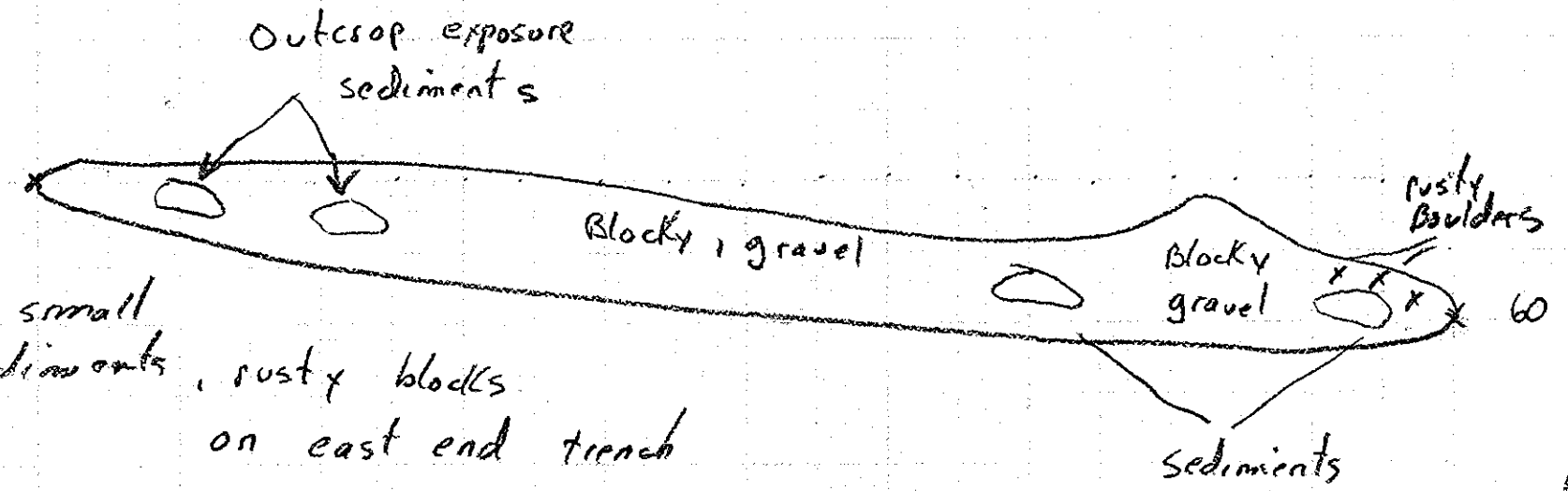
Trench 10

Trench 10 is
260m long 5m wide
poor exposure. Lots
of large boulders with small
outcrop patches of sediments, rusty blocks

UTM Points

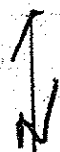
x 60	378017	5290098
x 61	377955	5290102

photos
454, 455



Allan Lake
Project
Oct 26/04 T.K

Trench 9



Light grey
sediments

quartz
vein

water

sulphide

Trail

fine
Sediments

grey-
black
Bedded

59

58

Trench 9

85 m long North/South
55 m long East/West
0.25 m - 1 m deep.

North trending sediments
with a few quartz
veins + pods + sulphidic
horizon.

sediments

Narrow trench 1m deep

Poor exposed
sediments

sediments

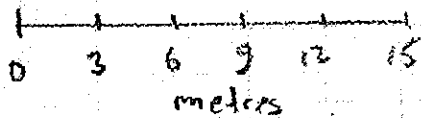
59A

UTM Points E N

x	58	378012	5290033
x	59	377984	5289957
y	59A	378074	5289972

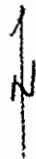
Photo 446, 447 448 449 450

451 452

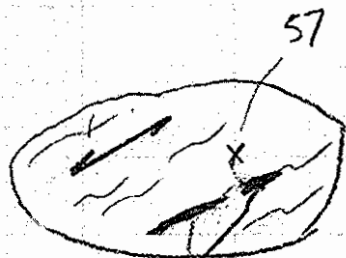


Allan Lake Project
Oct 26, 2011
T.K.

Trench 8



Trench 8 is
5m long on
outcrop.

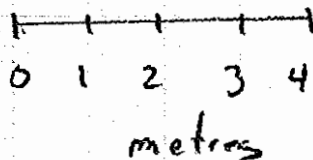


strongly Qz
foliated seds
weak sericite
rare narrow
qtz vein

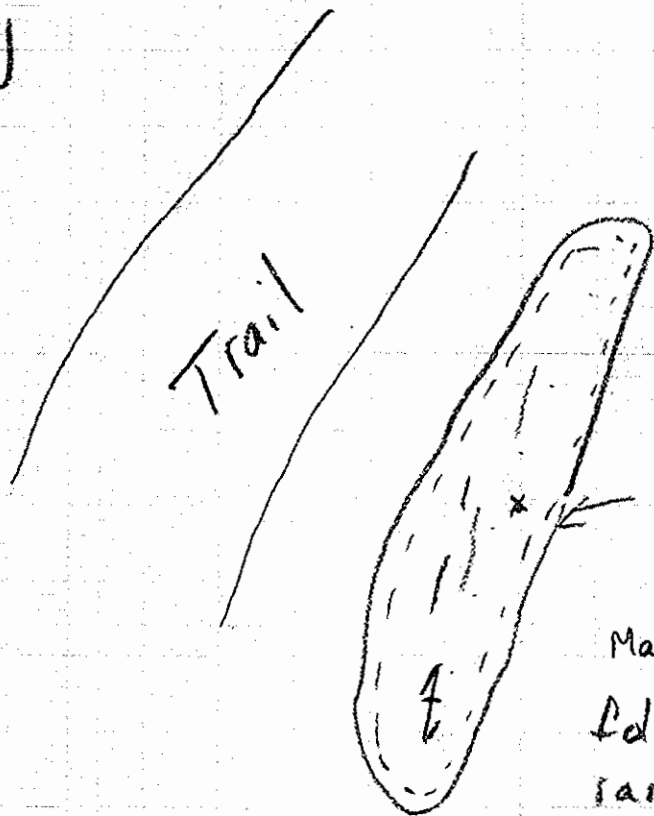
377979 / 5289936

Trail

Photos 443, 444



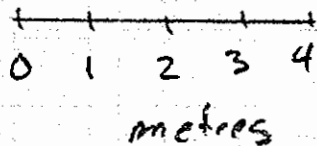
Allan Lake
Oct 26, 2011 T.R.



Trench 7

56 377983, 5289895

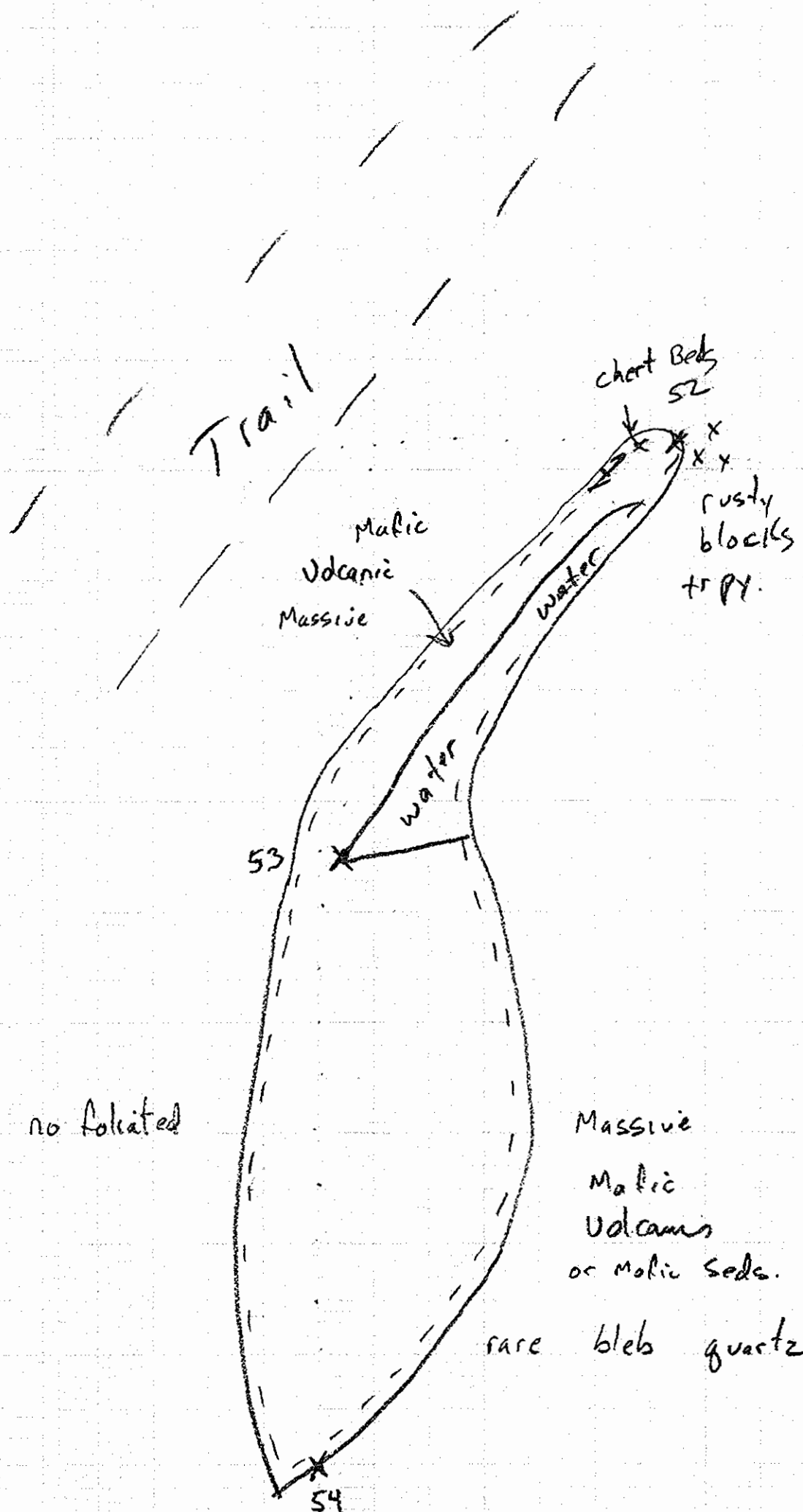
Mafic volcanic / sediment
foliated
rare 1cm quartz vein



photos 440, 441

Trench 7 is 8 metres
long 0.10 m deep

Allen Lulka
Oct 26, 2011 T.K.

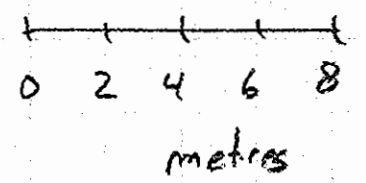


Trench 6

x 52	377966	5289768
x 53	377950	5289753
x 54	377949	5289731

Trench 38 m long
and up to 10 m wide
0.5 m deep

Photos 436 438



Allan Lake
Oct 26, 2011

Trench 5

50 377823 5289645

51 377809 5289634



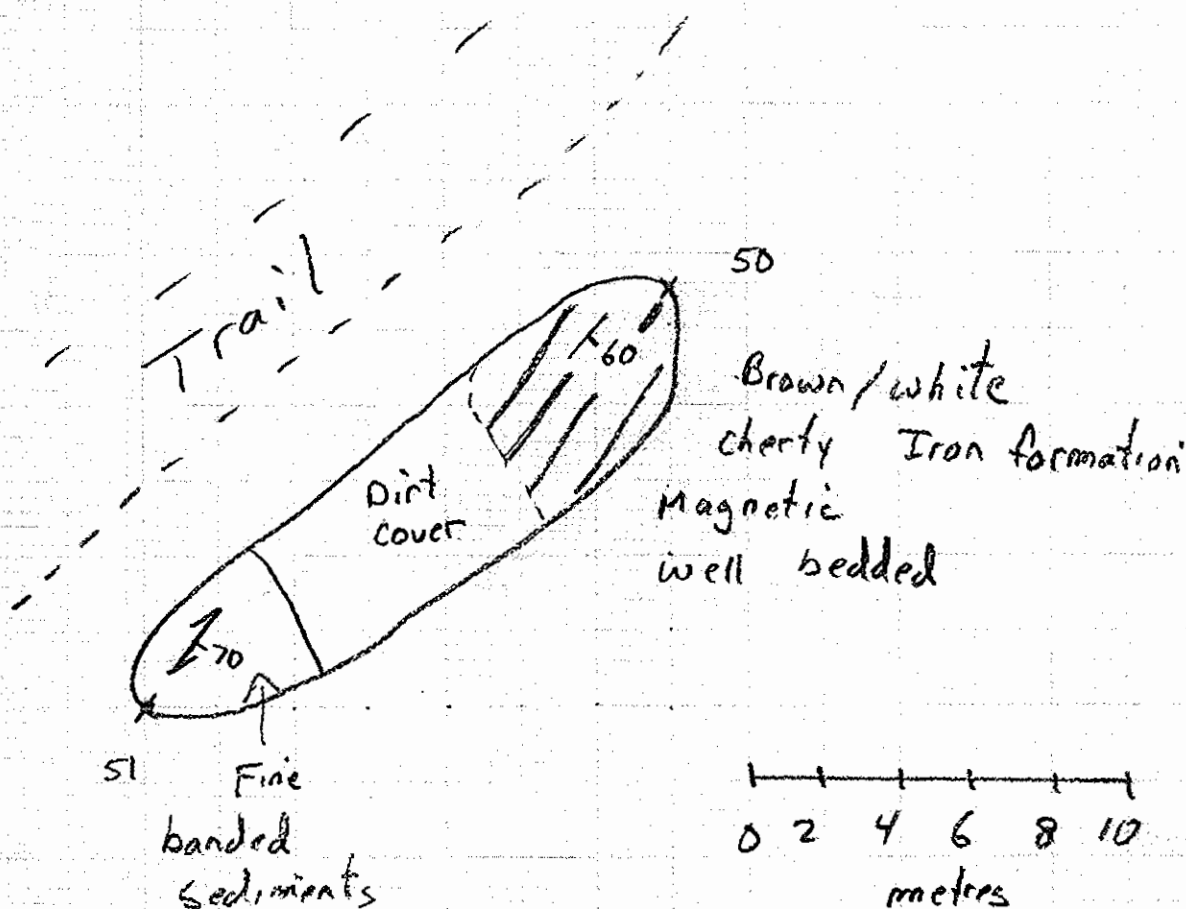
Trench 16 m long 4 m wide
and 0.5 m deep
only partial exposure.

very distinctive IF.

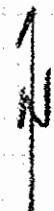
Photos

431, 432 433

434

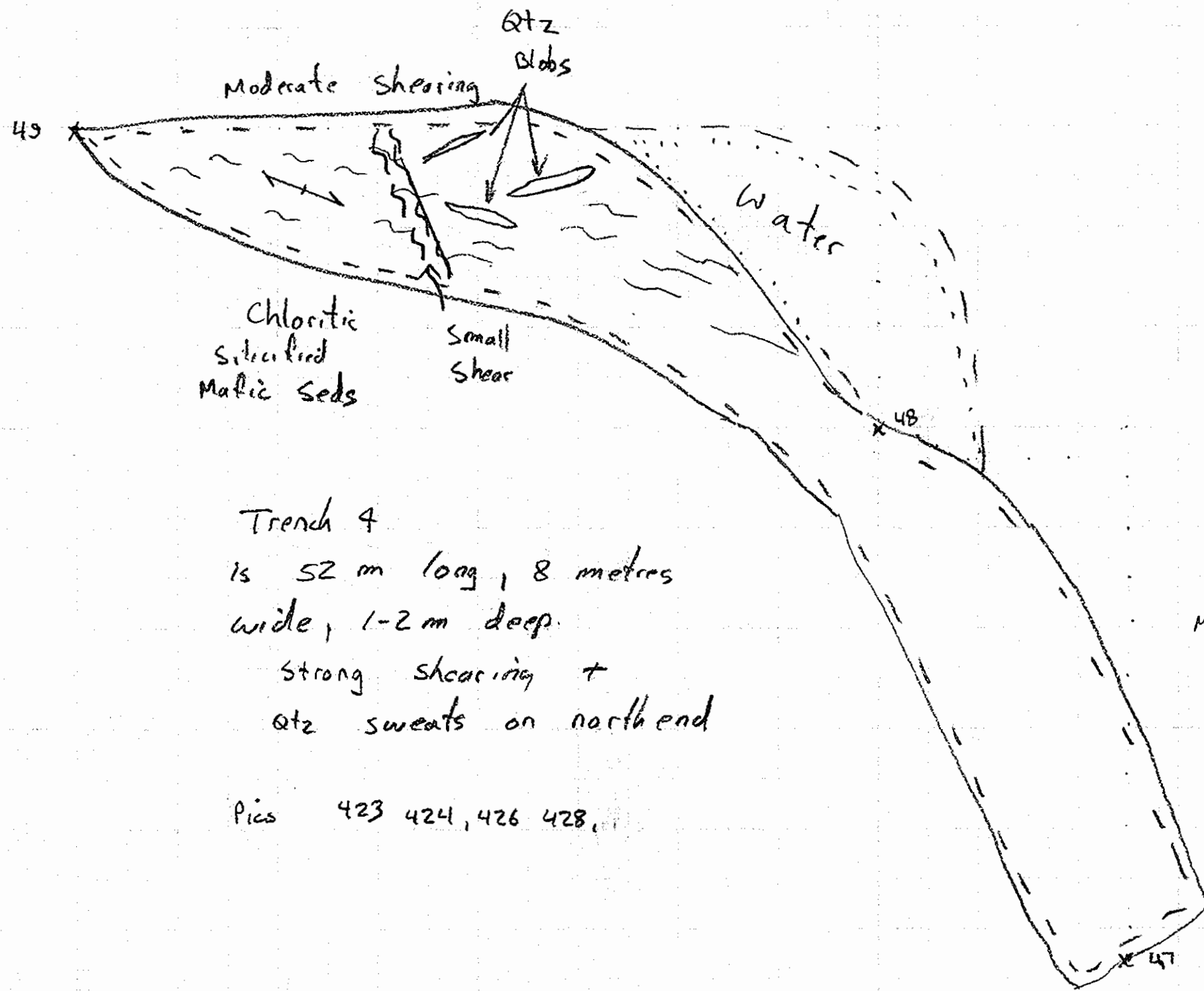
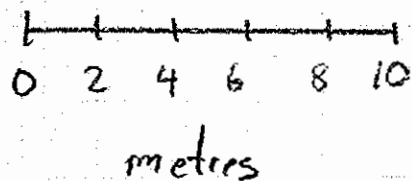


Allan Lake
Oct 26, 2011



Trench 4

47	377778	5289550
48	377768	5289571
49	377736	5289583



Trench 4
is 52 m long, 8 metres
wide, 1-2 m deep.
Strong shearing +
qtz sweets on north end

Pics 423 424, 426 428,

Massive Mod
foliated mafic
Seds, weathered grey.
or mafic volcanics

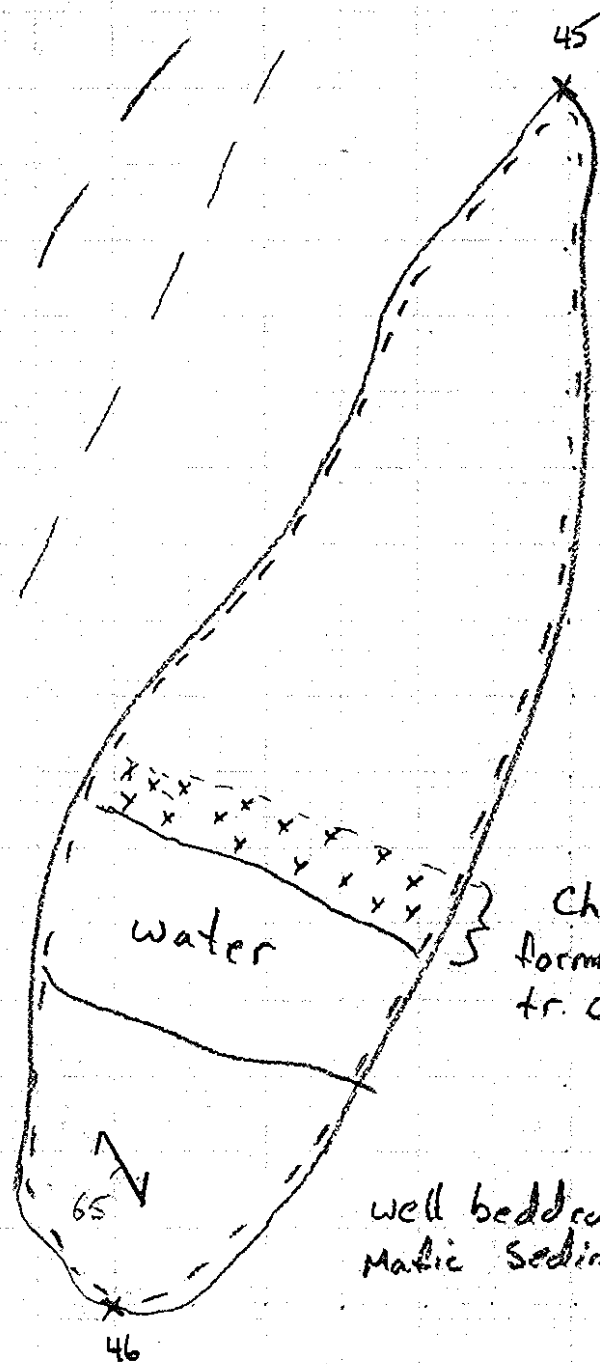
Allan Lake Project
Oct 26 2011

T.K.



Trench 3

Trail



Fine sed
Grey - Green
Color.
Massive

Cherty Iron
formation Magnetite
tr. Chalcopyrite

well bedded
Mafic Sediments

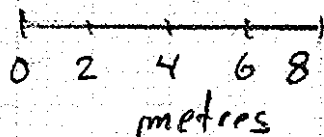
UTM Points

x 45 377674 5289472

x 46 377662 5289440

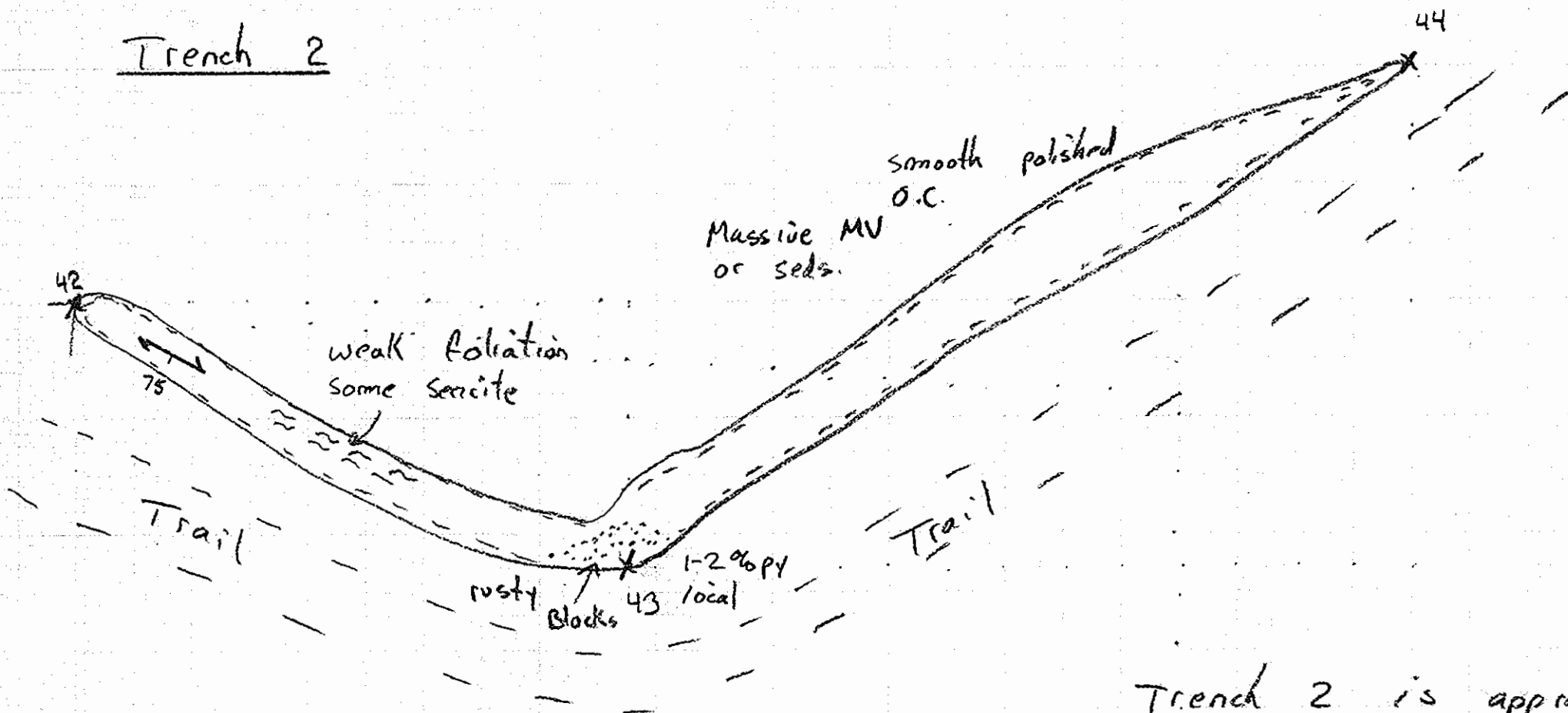
Trench 3 is 32m
long and up to 8m
wide, 2m deep.
good polished Exposure.
IF is \approx 1m wide.

photos 420, 421



Allan lake
oct 26, 2011

Trench 2

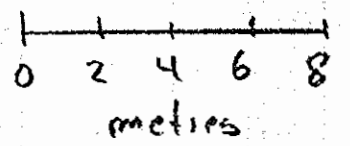


37762

VTM	42	377623	5289469
	43	377642	5289460
	44	377669	5289477

Trench 2 is approx
35 m long 1-3m wide
and 1 m deep.

Photos 416, 417, 418



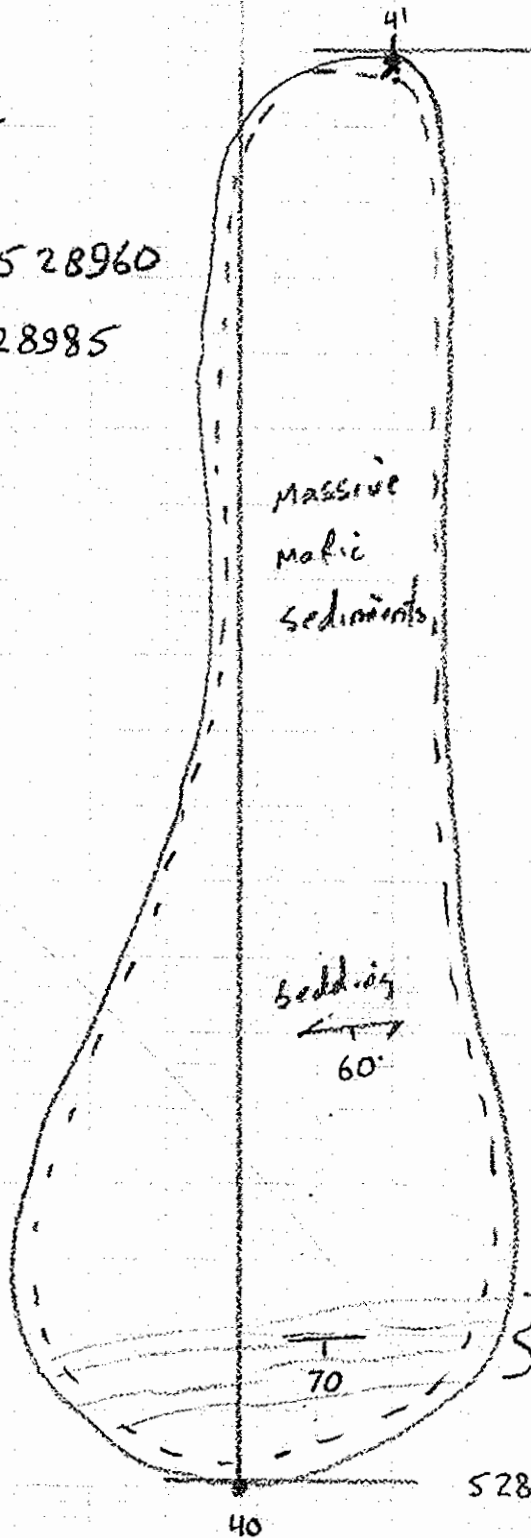
Allan Lake Project
Oct 26, 2011
T.K.

Trench 1

UTM 40 377602 / 528960

UTM 41 377604 / 528985

Photo 413, 414



Massive
mafic
sediments

Fine grained mafic
Sediments

Dark black - green

Massive w local
bedding

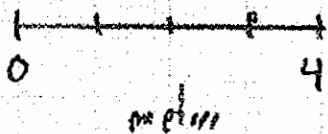
Trench 1 is
24 m long,
approx 3-7 m
wide.

Trench 1 m deep

black graphitic area
rare grain pyrite.

5289462N

377602E

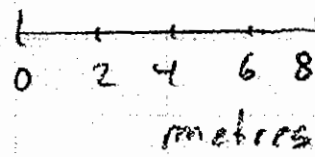


Allan Lake
Oct 26, 2011

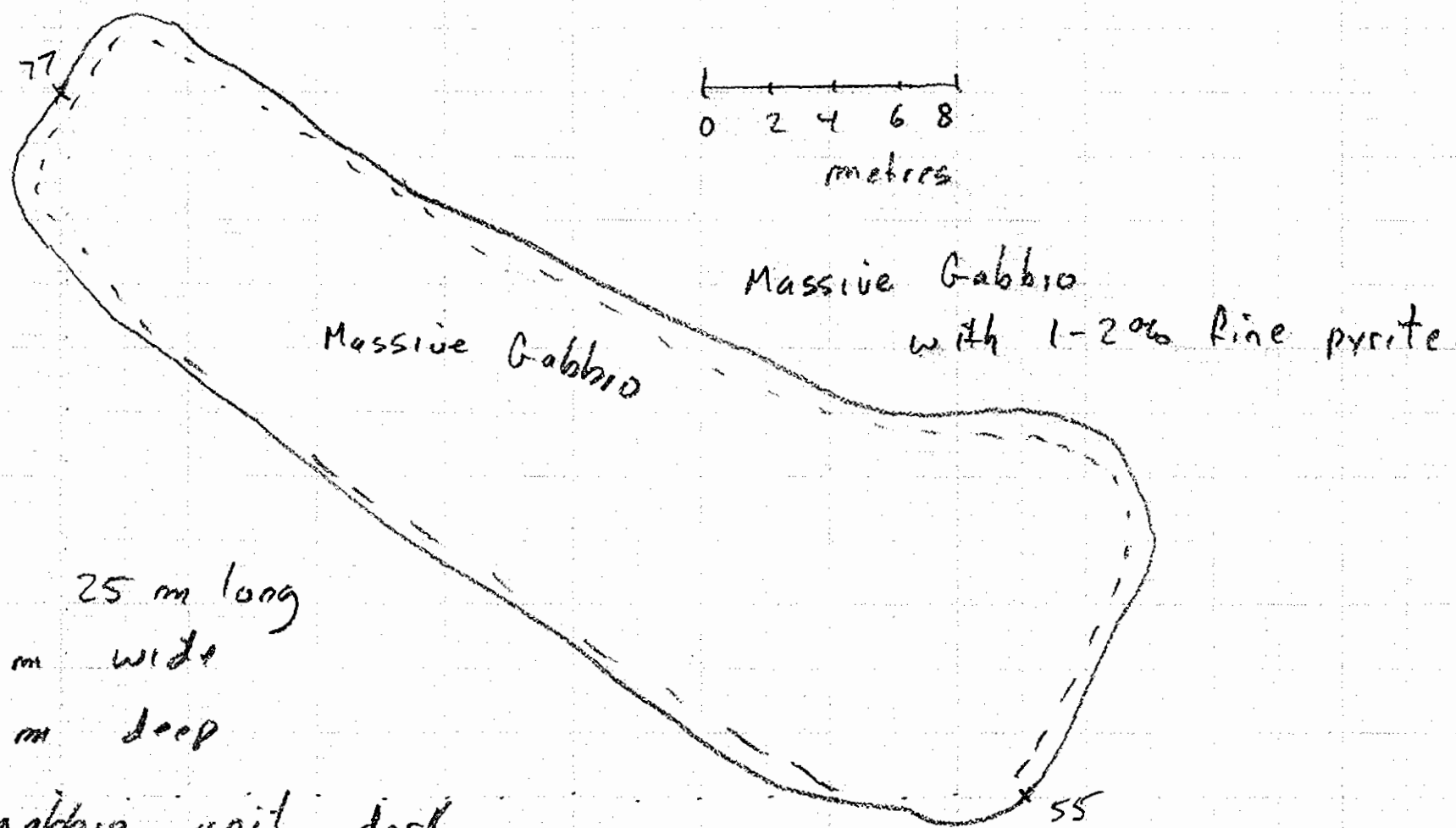
Trench 18

UTM Points

Y 55 378752 5296280
Y 77 - 378730 5296309



Photos
490, 450



Trench is 25 m long
about 10 m wide
and 1.5 m deep

Massive gabbro unit dark
with 1-2% fine disseminated py

Very good Exposure.

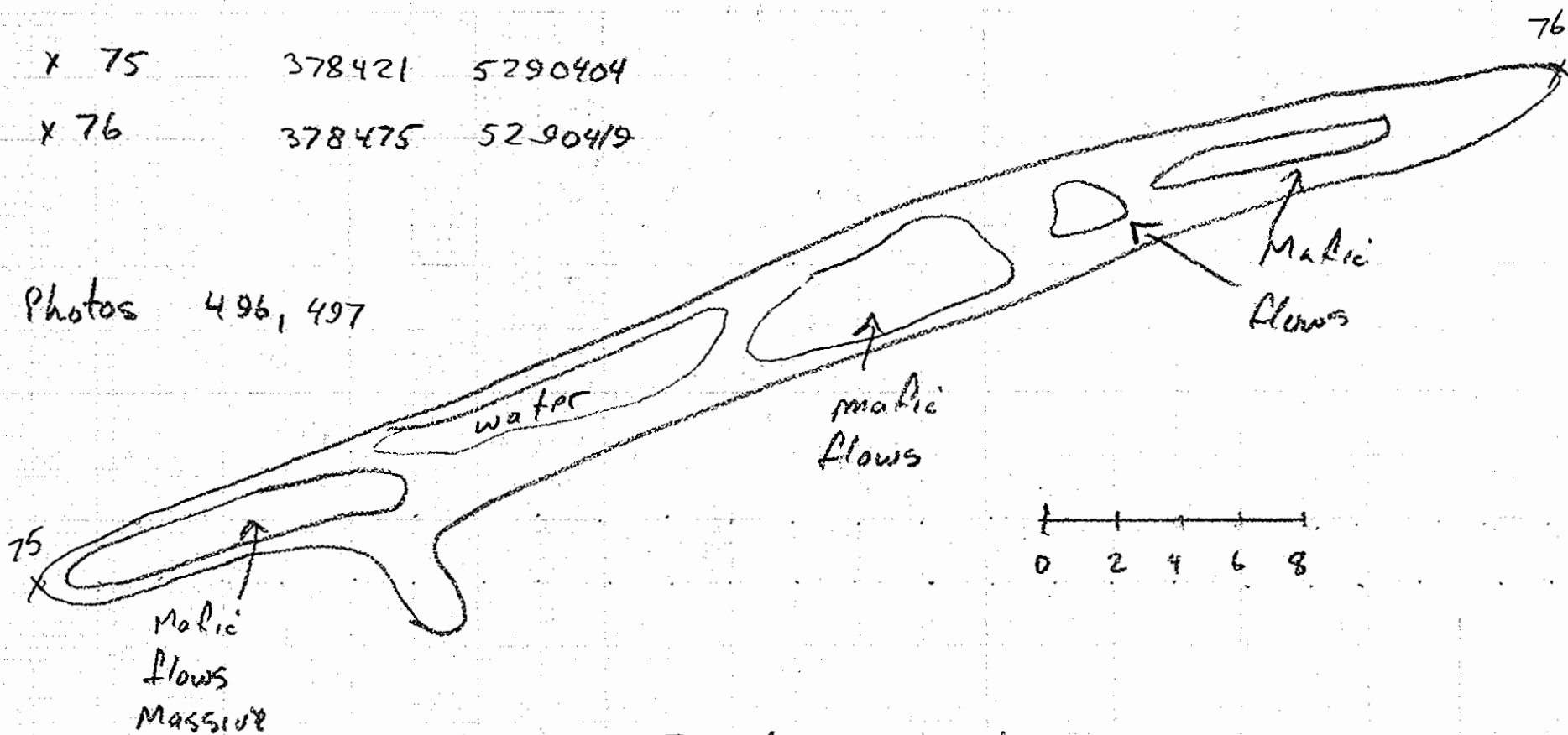
Allan Lake Project
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T.K

Trench 17

UTM Points

x 75	378421	5290404
x 76	378475	5290419

Photos 496, 497



Trench is 50 m long 5 m wide
and 1 m deep.

Allan Lake Project
Oct 26, 2011 TIK.

Trench 16

UTM points

X 73 378448 5290494

X 74 378445 5290440

Photos

493 494

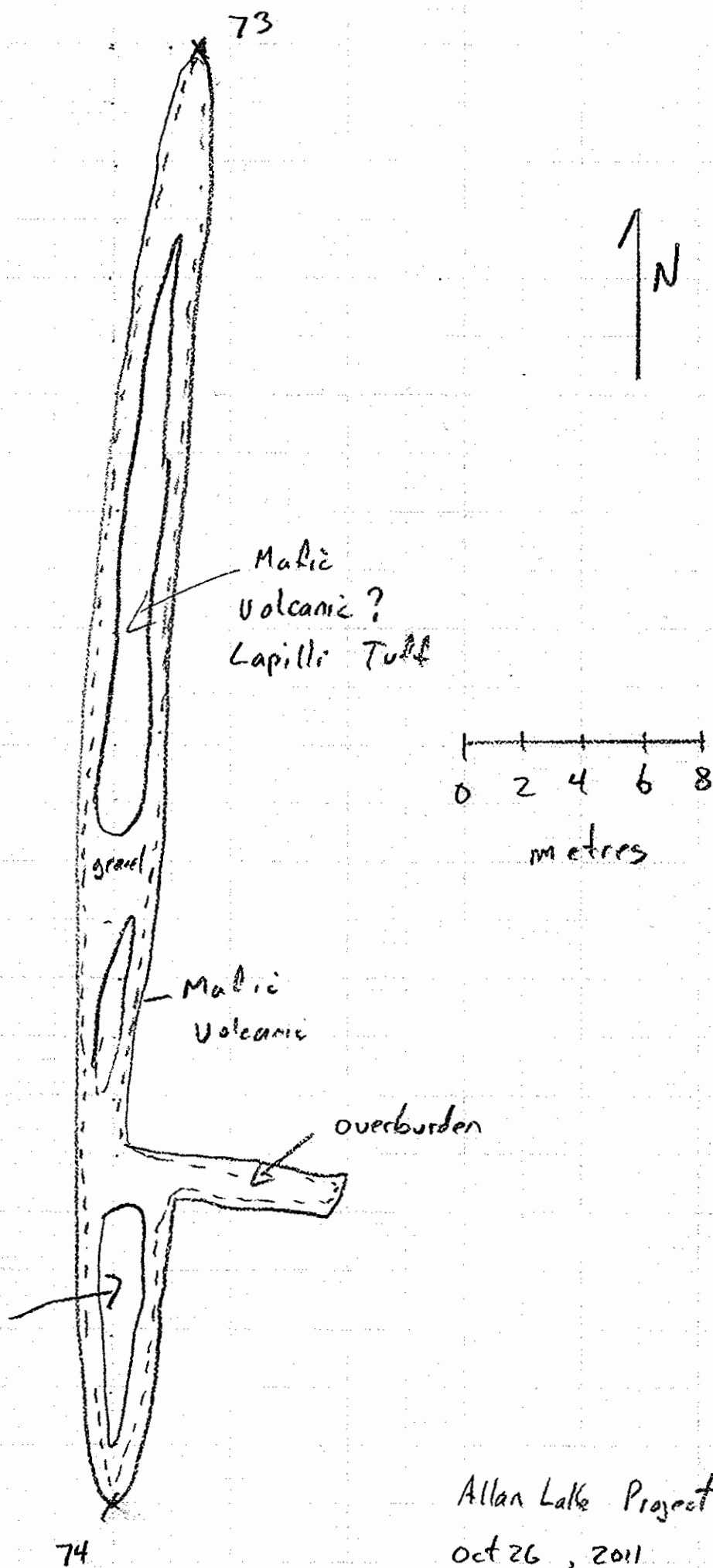
Good polished
Exposure. Dark
green rocks.
possibly Tuff.

Trench is 54 metres long

3 m wide

1 m deep.

Mafic
Volcanic
flows?



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T.K.

Trench 15

UTM Points

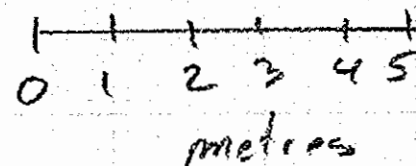
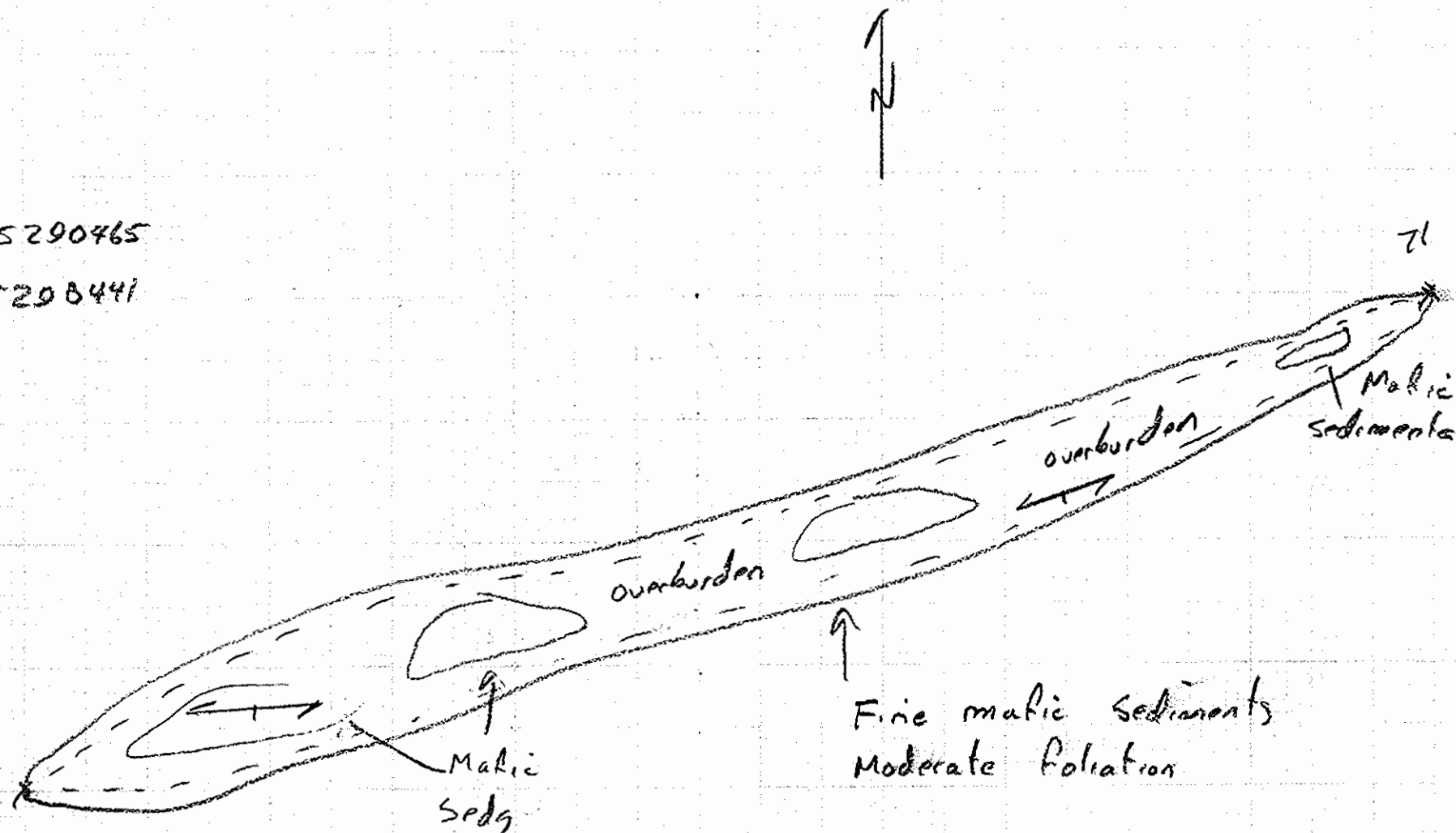
X 71 378125 5290465
X 72 378113 5290441

Photos 488, 489, 490

Trench 18 m long

3-4 m wide

1.5 m deep 72



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T.K.

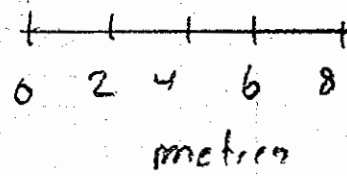
Trench 14

UTM Points

x68	378164	5290266
x69	378174	5290313
x70	378109	5290334

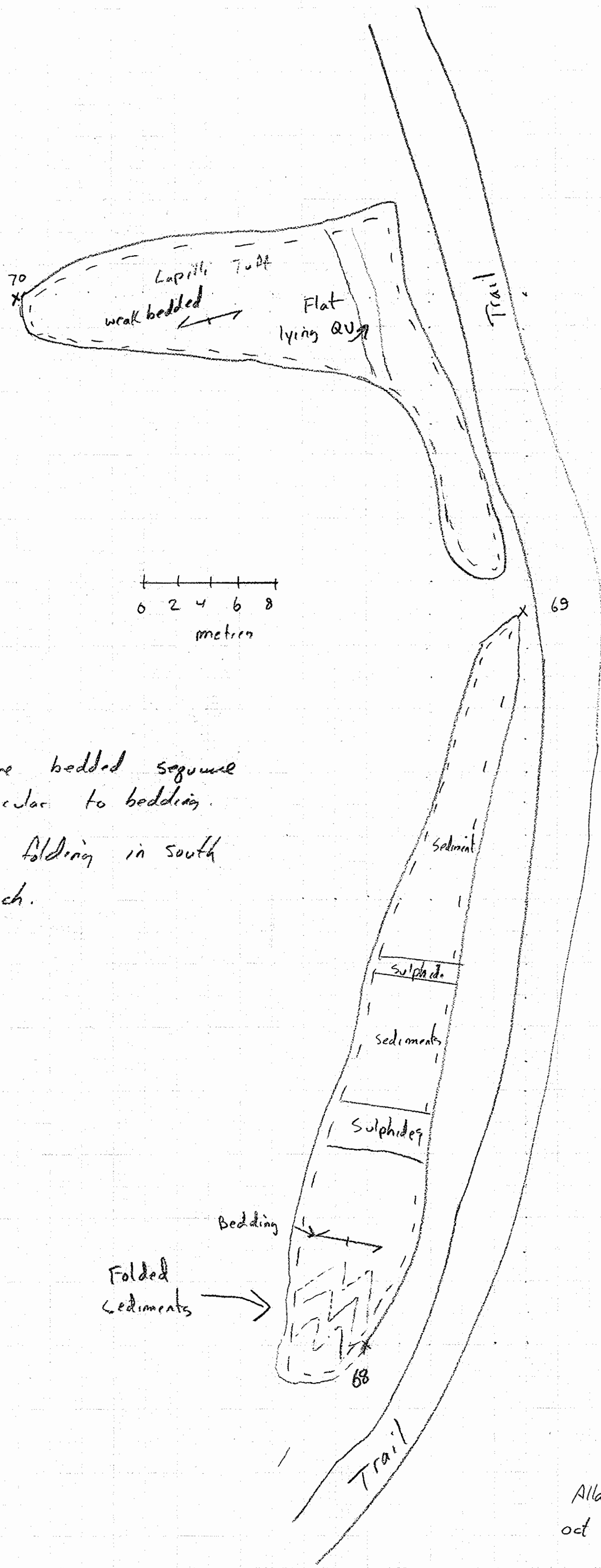
Trench 14

photos	481	482
	483	484 485
	486	



Excellent exposure bedded sequence
 trench perpendicular to bedding.
 Note isoclinal folding in south
 Exposure trench.

Bedding
 Folded
 Sediments



Allan Lake Project
 Oct 26, 2011
 T.K.

Appendix II

Daily Log

ALLAN LAKE PROJECT
 CUMMING HAM TWP ONT JUNE 1 TO 16 2018

JERRY MAGNAN VAL GAGNE ONT 705-232-2492
 CATTRAILER 225 EXCHANGER

JUNE 1 8 HRS
 JUNE 2 9 HRS
 JUNE 3 6 HRS
 JUNE 4 8 HRS
 JUNE 7 9 HRS
 JUNE 8 8 HRS
 JUNE 9 9 HRS
 JUNE 10 8 HRS
 JUNE 11 10 HRS
 JUNE 12 9 HRS
 JUNE 13 12 HRS
 JUNE 14 9 HRS
 JUNE 15 7 HRS

JUNE 16 FLOAT OUT

112 HRS @ 120. PER HR =

13440

1200

FLOATING VAL & RIGGING + RETURN

814640

ALLAN LAKE PROJECT

LUNenburg HAM TWP ONT MAY 29 TO OCT 23 2011

JERRY MAGNAN VAL GAGNE ONT 705-232-2492

CATBRAMAR 225 EXCAVATOR

MAY 29 8 HRS

MAY 30 8 HRS

MAY 31 9 HRS

JUNE 1 10 HRS

JUNE 2 11 HRS

JUNE 5 10 HRS

JUNE 6 9 HRS

JUNE 7 10 HRS

JULY 10 8 HRS

JULY 11 9 HRS

JULY 12 12 HRS

JULY 13 8 HRS

JULY 14 6 HRS

AUG 4 8 HRS

AUG 5 8 HRS

AUG 6 9 HRS

AUG 7 10 HRS

AUG 8 9 HRS

SEP 3 8 HRS

SEP 24 10 HRS

178 HRS @ 120 = \$21,360.00

ALLAN LAKE PROJECT

CUNNINGHAM FLIP-OUT MAY 29 TO OCT 23, 2011

JERRY MAENAN VUL GOGNE ENT 205 232 2492

CATERPILLAR 225 EXCAVATOR

SEP 5 8 HRS

SEP 6 9 HRS

OCT 7 ~~10~~ HRS

OCT 8 12 HRS

OCT 9 8 HRS

OCT 10 9 HRS

OCT 15 10 HRS

OCT 16 8 HRS

OCT 17 10 HRS

OCT 18 5 HRS

OCT 19 6 HRS

OCT 21 5 HRS

OCT 22 9 HRS

OCT 23 8 HRS

118 HRS @ 920 =

10851

14160

21360

35520

Appendix III

Trench Photographs











Trench





~~Handwritten scribble~~

2

Trench







3

~~10/10~~

10/10

Trench





~~4~~
4

~~4~~

~~4~~

Trench















5

~~PP~~

~~PP~~

PP

Trench









Trench 6







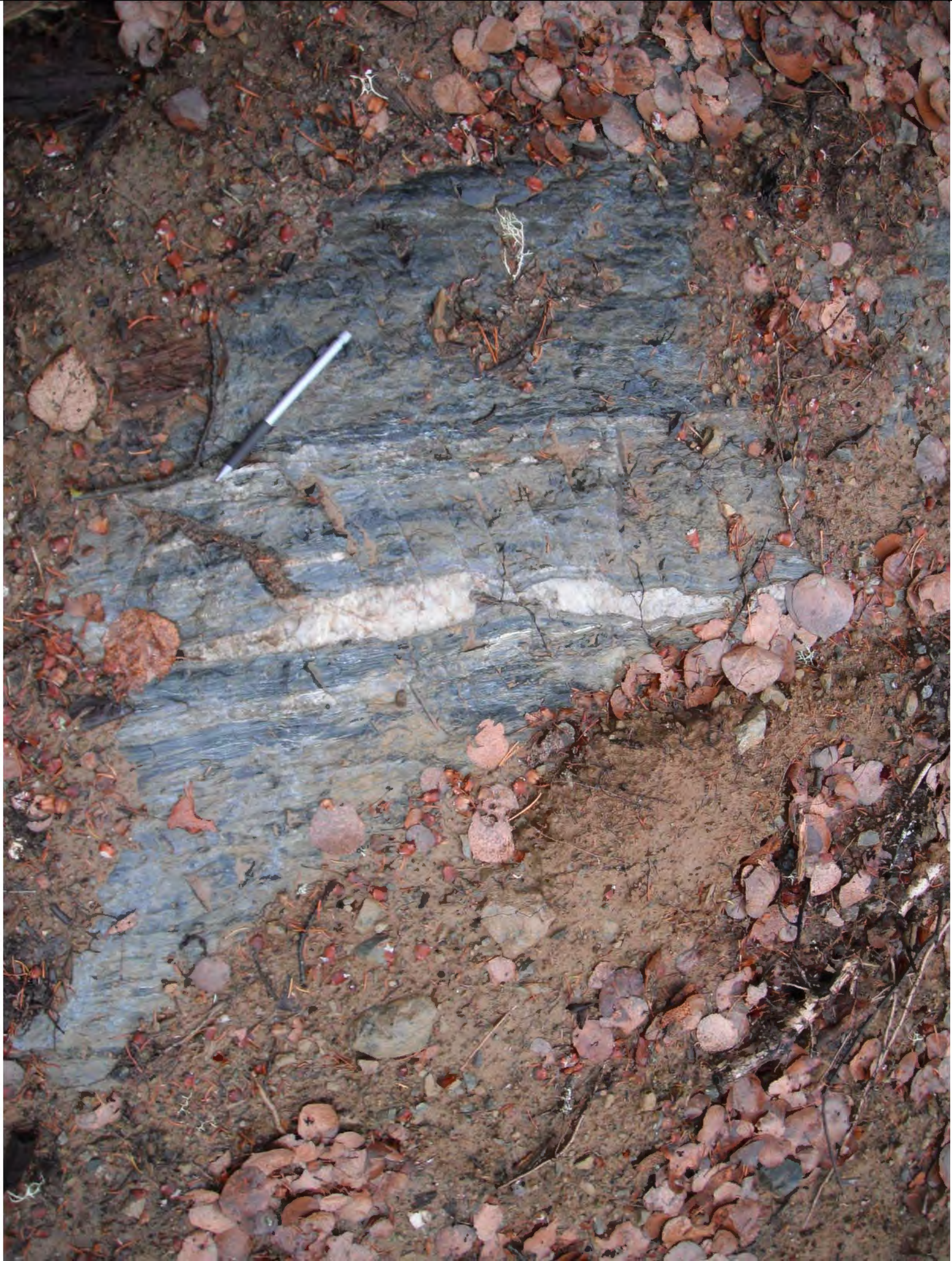
Trench 7

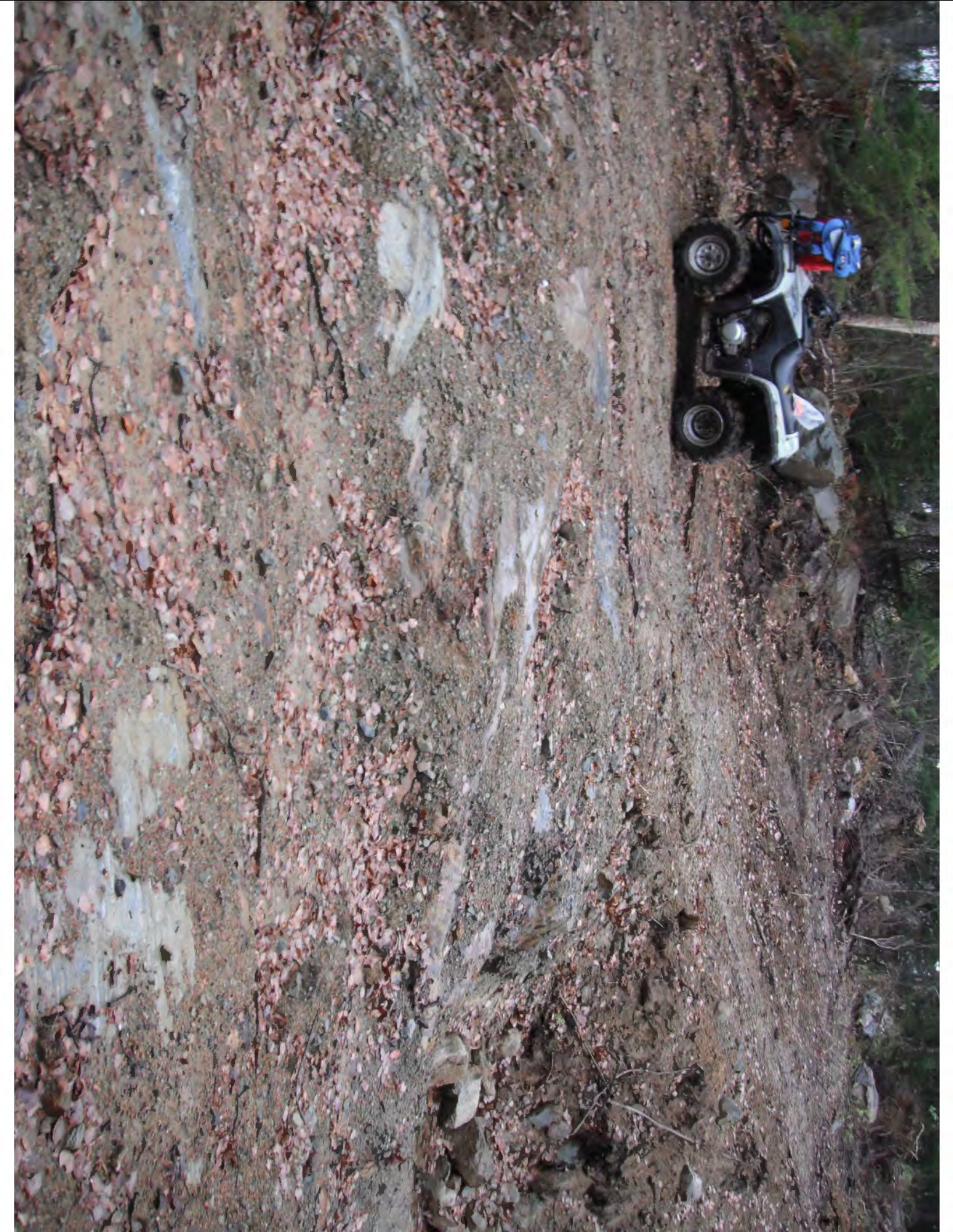




Trench

8





Trench

g

















Trench ID







Trench //







Trench 12

2010

03













Trench 12

2010











Trench 13













150
19

Trench 14













1 mark

~~10~~

15



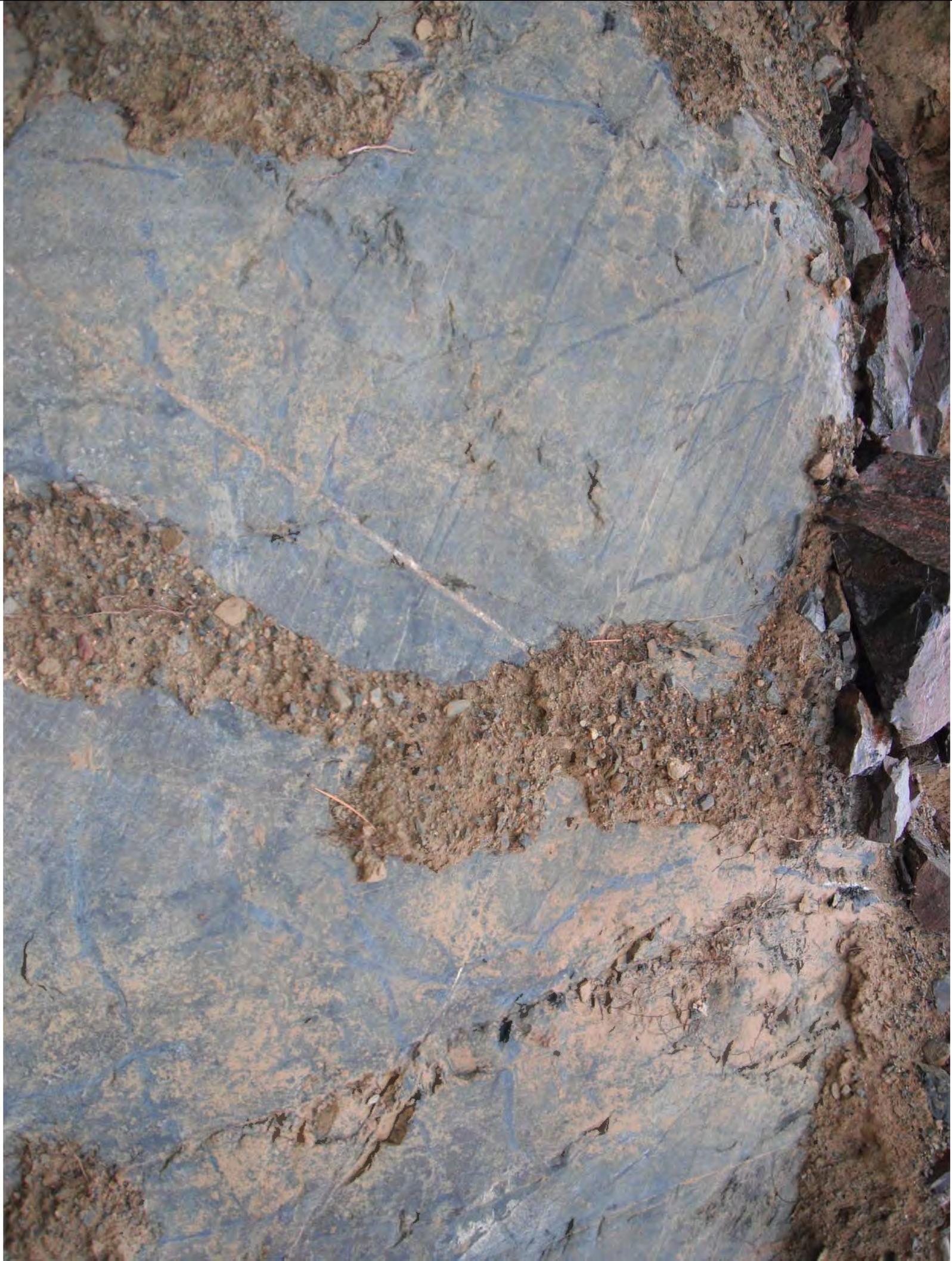












Trail 17





Trench 18

