

Traverse North of

25/6/69

West Lake

A-12321-80

To determine

COATES

nature of Fold(?)

Smith

Structure

105-N-16

018593

#1 Red & green slate with
one narrow layer of quartzite.

(quartzite uniformly m.g. & 1mm
gray a. w.s. - grey-green F.S.

Sericite - compact - Flinty - massive
- narrow qtz. veins) (non calcareous)

Red & green slate carries cherty
galls (lensoid) and narrow
discontinuous septa & planes of
green alteration non-calcareous

#2 Gray-green chert - folded - many
kinks bands and flexures
blocky weathering;

argillitic

fracturing
[Sample #2]



#3

Dike of diabase dyke
bearing carbonate grains?

dark green massive fine to
medium grained

Sample # 1

SAMPLE No. to		
N.T.S.		
PHOTO		
SAMPLER		
PROJECT:		
SCALE		
DATE:		
GEOGRAPHIC LOCATION:		
SHEET..... of.....	DATE	INIT'L
SAMPLE LOC. PLOTTED		
VALUES "		
GEOLOGY "		
REMARKS:		

Coates & Day

Traverse north
of West Lake
Small Lake
north of Roque R.

26/6/69

105-N-9

#1 Buff F. to m. g. of Tuffite

Good veins of As_2S_3
85
168

#2 Quartzite, schistose
narrow veinlets of quartz

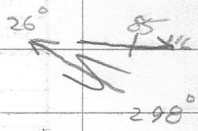
W.S. Buff to Brown
F. S. Grey brown

43

116

#3 Graphitic slate

along a bedding plane
Cleavage intersecting



#4 Graphitic slate

W.S. rusty, poorly bedded
massive concretion



slaty cleavage
surface

5, Crystalline argillite sleep to vertical
dip mostly layers to 3" wide
(pyrite) Slaty occasional
lens of gray green argillite

SAMPLE No. _____ to _____		
N.T.S.		
PHOTO		
SAMPLER		
PROJECT:		
SCALE		
DATE:		
GEOGRAPHIC LOCATION:		
SHEET _____ of _____	DATE	INIT'L
SAMPLE LOC PLOTTED		
VALUES "		
GEOLOGY "		
REMARKS:		

A-12278-26

COATES

Traverse to Stewart THOMAS

River from near 9/7/69

Highland Lake Course 046

105-M-7

#1 Granular Ri

quartz, schist, Sample #1

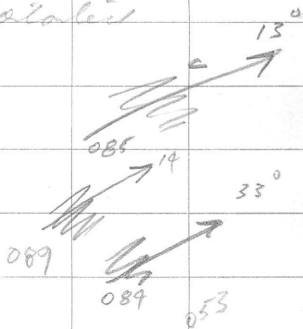
Rest spots on w.s. - grade

of remobilized granular quartz

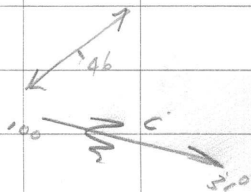
- highly folded and contains
crinoid stems



#2 near end
of hill



#3 Phyllitic -



#4

Biotite Quartzite



v.p.g. - limonitic grains in rock N39°

finely foliated - in places
schistose with plates of
sericite along foliation planes

#5

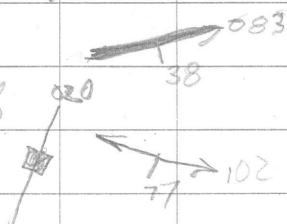
Phyllonitic gneiss



Interbedded quartzite and gty-mica
schist, well foliated
as at location #2

#6 Foliated quartzite

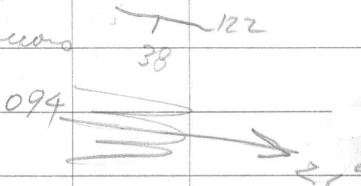
micaceous
Well developed



#7

At Lake

Quartzite and micaceous
quartzite



#8 Ruby Qtz Schist & Quartzite

Sample #6

62 090

and

#9

Quartzite massive gray F. lay
qtz veins not schistose

#10

Foliated gray quartzite
with narrow l-p-t

qtz stringers & narrow
schistose bands

120

→ #6

040

20

Phyllite - occasional D88
local intrusion of ph
Sample # 2

SAMPLE No. to	
N.T.S.	
PHOTO	
SAMPLER	
PROJECT:	
SCALE	
DATE:	
GEOGRAPHIC LOCATION:	
SHEET	of
DATE	INIT'L
SAMPLE LOC PLOTTED	
VALUES "	
GEOLOGY "	
REMARKS:	

Rock samples for .9V
(Onton)

9V 462 sericite
qtz schist
chlorite

↓

pyrite & quartz pods
abundant dissp.
pyrite

469-70 chlorite schist

481 ~~micaceous~~ argill. gneiss
quartzite

476 chlorite sericite, ^{qt.} schist

499 chloritized amphibole
schist

502 Argillite
quartz chlorite
mic schist

504 Host argillite

504 Bedrock graphite schist
Chloro in host

qtz
biotite
schist.

— rock - large angular
boulders near graphite

9V 504 galena? arsenic?
cont'd disseminated in
float.

limestone float ^{with} ~~disse~~
pyrite

504 graphite in #72

9V 534 Gossan at ridge
top (granite highly
altered) possible talc
or epidote (calcite)

Hematite (possible
cinnabar)

Windle's Lenses - Darning
Lenses

930084 -

Wells 004, Depth 3

F.R. 2 Level 2, Twell 1

Bed. mpt 19-1 11-2

Rock Type 9057.

NIS

84A 84B 84C

En 3 1 3

La 1 2 1

color 3 3 3

136, 47 44

063 08, 20

930085 -

W-001 D-03

FR 1 - Level 2, Twell 1

Bed mpt 21-1

A - 1, 2, 3

Sample almost totally
organic.

136 47 39

063 08 25

930086

W-001 D-02

FR 1, Level 1, Twell

Bed mpt 7

Bed. mpt 21-1 18-2

Sample - bleat

Sample taken

T well

136 49 00

063 08 35

96 A

B

C

Eng 5

1

1

1

~~200~~

1

1

1

columns

7

7

7

9B 00 87

Wind - 010, D 2.0

F.R. 2 - Level 2, Fuel 1

Red 5 - 19-1 - 20-2 & 21-3

NTS 115 P/2

97 A

B

C

Eng 5

1

1

3

Red

3

2

3

columns

3

4

5

136 50 00

063 08 18

9B 00 88

W - 007, D 1.5

F.R. 2 - Level 2, Fuel 1

Red 5 - 19-1 - 20-1 / 21-3

NTS 118 P/2

136 51 45

063 08 07

98 A

98 B

88 C

Eng 5

3

3

3

Red

3

3

2

columns

4

4

4

9B 24 - same as 23

May 30 - Bus & Brock

Δ 1 - Outcrop approx. 400'
from summit of hill.
Blocky & split granite.

9B 43 - 3000'
from outcrop station

Width .002, Depth .5
flow rate 2, Wilson level 2
Turb. 1
Sediment size 21-1, 19-2
local rock type GRNT
- outcrop approx 400' to
N of creek
NTS 115 N/7

43 A	43 B
Em 5.3	1
see 3	1
Colono 3	3

9B44 - 43 + 2200'

Width 003, Depth .5

Flow Rate 3 Level 2

Clear

Sec. side 21-1 19-2

Rock type GRNT

NTS 115/P7

44A

44B

44C

Em. S. 1

3

2

Sec. 1

3

1

Colour 3

3

3

9B45 - 44 + 2800'

Width 007 Depth 2.2

Flow rate - 2 Level 2

Turn 1

Sec. 21-1 19-2

Sample taken in a swamp

NTS 115 P/7

44 A

44 B

44 C

Em. S. 3

1

3

Sec 1

1

3

Colour 3

3

3

9B46- 45 + 2400'

Width - 0/0 Depth 3.5

Flow rate 1, level 2

Temp. 1

Sec. 21-1, 19-2

Swampy soil:

NTS 119 A/7

46 A

46 B

Ramp Elev. 1

2

Loc 3

3

Color 3

3

9B 47 -

On Photo A12259-297

On dry hillside to north of swampy valley which terminates the morning's travels.

Approx. 3000' below creaser swamp = 1st appearance of water in a dump of beach spruce.

Width - 001 Depth - 4

Flow rate 1, level 2.

Clear.

Sec. 21-1

Sample taken by removing top layer of mps

9B 48 - 47 + 2 100

Width 005, Depth 2

Flow rate 1 Level 1

Clear

bed. no. 19-1 21-2

No local rock

NTS 115 P/7

48 A

48 B

48 C

Exp. S 3

3

3

Sec. 1

3

3

Recon. 3

3-2

3-2

9B 49 - 48 + 300'

Soil sample taken at a
swampy meadow

oil film on top of water

fine ppt. on sediment surface

also is overlain with silty
clay

2 samples, A + B, taken

Sample for

A#1 June 2/69

Outcrop above creek
to west of main gully.
Very coarse grained granite
or gty. porphyry.

9B0050

A#1 2 500'

Width 0'3, Depth 0'
Flow Rate 2 Level 2
Twirl 1, Colored 1/2 3
Red size 18-1, 19-2

NTS
Lat 63° 19' 50" Long.
Long 137° 20' 20"

	9B0050 A	50 B	50 C
En A.	3	3	1
Loc.	3	1	2
idons	3	3	3

9B0051- 507300'

Sample taken on small
mound approx 1/2 ft wide.
Clay deposits in suspension
on rock.

Lat. 63° 19' 40"
Long 137° 20' 30"

9B52 - 51 + 1900'
Width 0.04, Depth 2.0
Rat. level 3, Level 3
Turb. 1, Colour milt 3
Sed. type 1, 21-1, 17-2, 19-3
Rock occurrence 1
Rock type QPOR
MIS - ppt

Lat. $63^{\circ} 19' 30''$ Long. $137^{\circ} 21' 5''$

52A
Eqw 5 1
Loc. 3
Colour 3

9B0053 - 52 + 2200'

Width 0.20, Depth .9
Rat. level 2, Level 2
Turb. 1
Sed. type - 18-1, 19-2
Rock type level - QPOR

53A 53B 53C
Lat. $63^{\circ} 19' 25''$ Long. $137^{\circ} 21' 55''$

9B 53 + 100'

float rock - absent

9B 0054 - 54+

width 002 Depth 1.9

F.R. 2, level 2

Turb. 1

Sed. line 19-1, 20-2

N.T. 5

Lat. $63^{\circ} 19' 40''$, Long $137^{\circ} 21' 58''$

	A	B	C
1		1	2
3		3	3
4		4	4

9B 0055

width 019, Depth 1.5

F.R. 2, level 2

Turb. 1

Sed. line 19-1, 21-2

N.T. 5

Lat. $63^{\circ} 19' 40''$ Long $137^{\circ} 22' 29''$

	A	B
Level	3	1
Zone	1	3
Col.	3	3

9B 0056 -

width 007, Depth 1.2

F.R. 2, level 2

Turb. 1

Sed. line 19-1, 18-2

NTS -
Lat. $63^{\circ} 19' 25''$ Long $137^{\circ} 23' 40''$

Sample	A	B	C
Loc	3	3	1
Colour	3	3	3

9B 0057 -

Width - 006, Depth. 5.
F.R. 2, Level 2

Turb. 1

Sec. Size 19-1 16-2

NTS -
Lat. $63^{\circ} 19' 5''$ Long $137^{\circ} 24' 58''$

57A
Env. S 1
Loc 1
Colour 7

9B 0058

Width - 008, Depth 1.2
F.R. 2, Level 2

Turb. 1

Sec. Size 18-1 19-2

NTS -
Lat. $63^{\circ} 19' 10''$ Long $137^{\circ} 24' 05''$

	58A	58B	58C
Env. S	1	3	1
Loc	3	3	3
Colour	3	3	3

Willow Hills
9B0059 - 1000' to 5' of 2000'

Width 004 Depth 75
FL 2 Level 2

Trails - 1

Red soil 19-1, 21-2

NTS 1/25 P/2

Lat. $63^{\circ} 07' 59''$ Long $136^{\circ} 49' 00''$

58A

58B

58C

Em S 1

3

3

Loc 1

1

3

Colour 4

4

4

9B0060 - 259 + 2500'

Width 002, Depth 15

FL 2 Level 2

Trails +

Red soil 19-1, 18-2

Rock type scst

NTS 1/25 P/2

Lat. $63^{\circ} 06' 42''$ Long $136^{\circ} 44' 50''$

58A

58B

Em S 1

3

Loc 3

2

Colour 4

4

Stake float approx
200' before station

QB 0061 - 60 + 1700

width 004, Depth 3

F.R. 2 Level 2

Turn 7

seed size 19-1, 18-2

Rock Type SCST

NTS 115 1/2

Lat. 63° 07' 15" Long 137° 43' 50"

61A

61B

61C

Eyes 1

3

3

loc 1

2

3

columns 4

4

4

QB 0062 - 61 + 200'

width 001, Depth 8

F.R. 2 Level 2

Turn 7

seed size 19-7 21-2

Rock Type SCST

NTS 115 1/2

Lat. 63° 07' 20" Long 137° 43' 50"

62A

62B

62C

Eyes 1

3

3

loc 1

3

3

columns 4

4

4

9B0063 - 62 + 2600'
 Width 007, Depth 1.0
 F.R. 2 - level 2
 Sed. Cor. 19-1, 20-2
 T. W. 11

N.T.S. 115 P/7
 Lat $63^{\circ} 07' 35''$ Long $136^{\circ} 42' 30''$

	63A	63B	63C
Eng.	1	1	1
T. W.	3	3	3
Sed. Cor.	4	4	4

9B0064 - 63 + 2400'

Width 007, Depth 1.5
 F.R. 1 - level 2
 T. W. 1
 Sed. Cor. 14-1 - 20-2
 N.T.S. 114 P/2

Lat. $63^{\circ} 07' 52''$ Long $136^{\circ} 41' 38''$

	64A	64B
Eng.	1	2
T. W.	1	1
Sed. Cor.	3	3

9B0065 - 64 + 2200

Width 002. Depth 2.0

F.R. 1 Level 2

Turb 1

Bed Size 15-1 1.9-2

NTS 115 P/2

Lat $63^{\circ} 07' 50''$ Long $136^{\circ} 40' 20''$

65A

65B

Eyes 1 2

Leg 1 1

Column 3 3

9B0066 - 65 + 400'

Width 015. Depth 1.0

F.R. 3 Level 2

Turb 1

Column parts 3

Bed Size 15-1 1.9-2 3

Rock Occurrence

Rock Size SE 5 T

Occasional float of red colored

ware - small white particles

NTS 115 P/2

Lat $63^{\circ} 07' 42''$

Long $136^{\circ} 40' 02''$

66A

66B

66C

Eyes 1 1

Leg 1 2

Column 3 3

9A 0067, - 66 + 2900
 width 0.12, Depth 1.2
 Blow Rate 2, Level 2
 Tails 1
 Seal Syt 19-1, 21-2
 Colony 3
 Rock debris 1
 Rock Type SC 50
 NTS 115 P/2

	67 A	67 B
Em S:	1	3
Tails:	1	2
Colony:	3	3

Lat $63^{\circ} 08' 45''$ Long $136^{\circ} 38' 58''$

9A 0069 - 67 + 400
 width 0.15, Depth 4.0
 F.R 1, Level 2
 Tails 3
 Seal Syt 19-1, 21-2
 NTS 115 P/2

Lat. $63^{\circ} 08' 50''$ Long $136^{\circ} 38' 59''$

	68 A	69 B	68 C
Em S:	1	3	1
Tails:	3	3	1
Colony:	3	3	3

THE SWAMP

Δ 1 - started at the sand
sheet outcrop below top
of mts.

9B 0069 -

width 001 Depth 5

FR 2 Level 2 Turb 1

bed size 19-1 21-2

WTS 119 P/2

Rock Type SCST

69A

Eng 3
Loc 2
Col 3

+ 700!
Plant - Volcanic breccia
+ some ultra-basics

9B 0070

width 007 Depth 10

FR 2 Level 2 Turb 1

bed size 10-1 21-2

WTS 110 P/2

	70	A	B	C
ES	1		3	3
see	3		3	1
col	3		3	3

9B0071

Width .005, Depth 2.0

F.R. 2, Level 2

Turnt Seal Sept 19-1 21-2

NTS 110 P/2

	71 A	B	C
ES	3	3	1
Low	3	3	1
Admns	3	3	3

9B0072

Width .002, Depth 1.0

F.R. 2, Level 2, Turnt 1.

Seal Sept 19-1 21-2

NTS 110 P/2

	72 A	B
ES	3	1
Low	3	3
Admns	3	3

9B0073

Width 0.12, Depth 1.9

F.R. 2, Level 2, Turnt 1

Seal Sept 19-1 21-2

NTS 110 P/2

73 A

ES	3	
Low	3	3

9B0074

width 0015, Depth 1.0
F.R. 2 Level 2 Turb #
Bed - 19-1 21-2
NTS 140 P/2

	74A	74B	74C
Emps.	1	3	3
Sec.	1	1	3
columns	4	4	4

THE MOUNTAIN

01 on ridge E.N. of top
of Stebbins - composed almost entirely
of interstratified

Strike 45° (230°)
Dip 25°

9B0075 - 1500 hours approx

width 001, Depth 1.0
F.R. 3 Level 3

Turb 1.

Columns - apt 4

Bed - 17-1 21-2

Rock Brownish - 12.

Rock type SCAT.

75A

Emps.	1
Sec.	2
Columns	3

9B 0076 - 75 + 800'
 Width 001, Depth 8
 FR 3, Level 3, Tunnel 6
 Column type 4
 Bed size 17-1-2 12
 Occurrence - 2
 Type 9CST

76 A
 Eng 1
 Sec 2
 Column 3

9B 0077 - 20 + 2800'
 Width 050, Depth 105
 FR 3, Level 3
 Column type 4
 Bed size 17-1 17-2
 Occurrence 2
 Type 9CST

	77 A	B	C
Eng	1	1	3
Sec	2	1	1
Column	3	3	3

Some heavily etched
 in float

985079 - 77 + 1800

width 001 Depth 5

FR 3 Jewell 3

Sec. exp 19-1, 21-2

Sampler taken from small
at 1000 feet, very
good - Mass. University
worked

78 A

B

C

Exp 3

1

3

3

Sec

2

1

3

color

3

3

3

78 - 200 ft - float

rock - grey green, possibly
about 100 ft in

980079 - 79 + 2000

width 001 Depth 5

FR 3 Jewell 3

Sec. exp 19-1, 21-2

79 A

B

Exp 3

1

3

Sec

3

3

color

3

3

910080 - 79 + 150

Width 25' Depth 2.5'

F.R. 3 Level 4

Level 1

Colour - ppt 3

Red ppt 18-1, 18-2

Overburden 1

Type SCST ^{fold} complex flat

80A

80B

Em 5

1

3

bed

3

2

col

3

3

910091 - 80 + 2700'

width 10' Depth 2.5'

F.R. 3 Level 3, Level 1

Colour - ppt 5

Red ppt 18-1, 19-2

Overburden 1

Type SCST

91A

91B

Em 5 - 3

1

bed 1

1

col 3

3

Station taken just below base
of sheet cliffs

91300 92 - 71 - 2561

Width 0.12 : Depth 4.0

F.R. 3, Level 3, Turb. 1

colour ppt 3

bed size 19-1, 18-2

Occurrence 1

Type SCST

float sample taken from hillside 300 before station

N/S 115 P/8

	92 A	92 B	92 C
Expos.	3	3	3
Loc	1	1	1
colour	3	3	3

91300 93 - 827 2104

Width 0.10 : Depth 4.0

F.R. 2, Level 3

colour ppt 3

bed size 19-1, 18-2

Occurrence

Type

N/S 115 P/8

	93 A	93 B	93 C
Expos.	3	3	1
Loc	3	2	3
colour	3	3	3

980099 - Inventary from S.
W-001 - 17.5

FP-2, Level 2 (Tread)
bed size 19-1 20-2
NTS 119 P/2

En 9	5	2	5
200	3	1	3
col	4	4	4
136	52	05	
063	09	20	

980090 - 89 + 2500'
W-006, D-2.5

FP-2, Level 2, Tur, 4
bed size 19-1 20-2
NTS 119 P/2

En 9	3	3	3
200	3	2	3
col	4	4	4
136	53	32	
063	08	20	

980091 - 90 + 3000'
136 54 40

063 W-020 17 - 1.5
08 FP-2, Level 2, Tur, 1
21 bed size 19-1 21-2
NTS 115 P/2

En 9	3	1	1
200	4	2	2
col	4	4	4

9150094 - Crooked Creek

--near Boulder

width 25' Depth 5.0

F.R. 2, Level 2, Turb 1

Color 1 ppt 3-

Dist 19-1, 19-2, 10-3

Duration 1

Temp

WTS 115 P /

	91592A	92B	92C
En S	1	1	1
For	3	1	1
adorn	3	3	3

91300 92 -

W- 003, D 09

F.R. 2 level 2, Turb 1
Red soil 21, 19-2
NTS (15 P) 2

A	B	C
1	3	3
2	3	3
3	3	3

136 55 30
063 08 10

91300 94 - major levels
Hum 9

W- 010, Depth 2.5
FR 2 level 3, Turb 1
Red soil 21, 19-2
NTS (15 P) 2

136 55 33
63 08 00

	93A	93B	93C
Ends	2	3	1
Red	1	1	1
columns	4	4	4

+ 500'

Outcrop - N side - red soil