



Items to Photograph

1. St. 382 - Calcite veins in basalt
2. Blocks resting on top of mass.
3. Gravel - rock contact at top of cut east end.
4. Veins on strata.

Aug 14, 1947, Tuesday.

- X200 Height variable, fault.
201 foot of loose earth, outcrop.
contact should be down to bed.
202 2 or 3 ft of ash.
203 Small, steep, sandy, gully, 10-15
25' feet.
204 Small embank. Pits out
small ditches show weathered red
clay and rock. Syenite?
205 Weathered rock. Syenite?
206 Small gully, w. Weathered rock
with a network of carbonaceous
veins. Thin flat in common.
207 Same weathered rock.
208 Top cut, middle of road.
extends 10' either way.
Bottom of pit, rock is attached to a
clay. The opposite has no
solid igneous rock (or weathered)
presumably syenite. Sample
130 from here.
209 Edge and outcrop.
210 A on cut bank.
211 Soil.

July 4, 1971, Tuesday

- X 212 Red soil.
- 213 Top bottom w. edge of cut, 18' cut.
In crinoidal rock. Some were
natural.
- 214 Bottom of cut. Top. 4' cut
- 215 Top of cut, in angle.
The crinoidal rock is coarse
granoid and is, I believe the
same as the heavy flint area
up the hill.
- 216 Heavy flint (Squid)
- 217 Heavy granitic flint
- 218 Top of cut.
- 219 15' to edge of dip.
- 220 Small, red.
- 221 Foot of ranch.
- 222 S. edge of road higher than
about 400' contour.
- 223 On road. slight rise to W.
- 224 Edge of Neophila signata
cut exp. In ground near the
Ranch. Sample 132.
- 225 Top nearly level of cut W.
- 226 Top of ridge, cut exp.
Spurs 30' E.

Aug 19, 1927, Tuesday

- 227 Edge out crop.
- 228 High to SE. Soil.
- 229 feet 2 cut, top 5' bottom.
- 230 " " " " , Sharp corner been
with is completely unaltered.
- 231 top cut. Then across in
wall.
- 232 top cut, soil.
- 233 " " , slope of bank
out crop at surface and
back.
- 234 top cut, edge of bank at
surface.
- 235 slope of bank, bank at front
- 236 top 2' cut, top of cut.
- 237
- 238
- 239
- 240
- 241
- 242 Much to W. the cut.
- 243 15' E to fence. then plowed
field.
- 244 at fence. (2' further)

- 245 Contains in line 20' E fence
 246 at fence. On fill. 20'
 South the dip is about 8'
 lower.
- 247 Along fence, pit
 contains about 5' S. N.
 248 end of cut area 20' N of
 point. Small hole
 249 Edge of marsh, 1/2 to creek
 natural contour here.
- 250 Δ on edge of cut.
 251 Gap out at corner.
 252 Top of, deep whole bottom
 Heavy Outside float
- 253 Edge of cut area (quartz)
 254 edge of cut (South), Bonnet
 Outcrop to S.
- 255 edge of cut, E edge of Bonnet
 outcrop, flat E.
- 256 edge cut area W.
- 257 March to N.
- 258 Center of Creek, 4' up to E
 marks N.
- 259 Curve between - to W. center?
 Creek W. E. 2' down

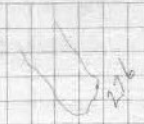
Note in the eastern part
 area the cuts indicate the ground
 still was all level. That is
 the only rock except for some
 some weathering Bonnet. The Bonnet
 is fairly fresh.

Aug. 19, 1987

- X260 Center of creek, 2' below ground surface, ground float.
- 261 center of creek, start of "S" bend.
- 262 front of ground W
- 263 " " " " " "
- 264 edge of cut S, edge of cut exposure (Bossett.)
- 265 Δ
- 266 Δ
- 267 Δ
- 268 Δ
- 269 Δ
- 270 Δ
- 271 Δ
- 272 Δ
- 273 flat, horizontal cut, in sand below.
- 274 Sandy Soil.
- 275 Sand, ~~fluffy~~ ^{weathered}
- 276 ~~Exposure~~ and then vertical E. end
- 277 Corner of cut.
- 278 " " " " " " irregular to top.
- 279 edge of cut, much pale silt to S
- 280 edge of cut, about 4' to 10' W
- 281 " " " " " " 10' W
- 282 E. edge of cut

x 283 Missed

after this point
field Inst. notes
check



Aug. 20, 1947

- 284 Top cut ^{sub}
- 285 A. (U.S. 3)
- 286 20' vertical to edge of ditch.
- 287 N.E. corner of rectangular pit.
18' to S.W. corner. pit 2' deep.

292

- 288 Corner of pit. (N.W.)
- 289 higher to E.
- 290 Small. Gully.
- 291 higher to N.E.
- 292 See sketch. Gully is 6' deep
and about 5' wide

~~290~~ Bottom of the creek shows
weathered from rock. 10' up
main channel that are some
more resistant remnants in
this weathered rock. 2' back
the Bossert. Sample
#133 is that solid rock.

133-A is weathered rock
suit to it, for heavy minerals

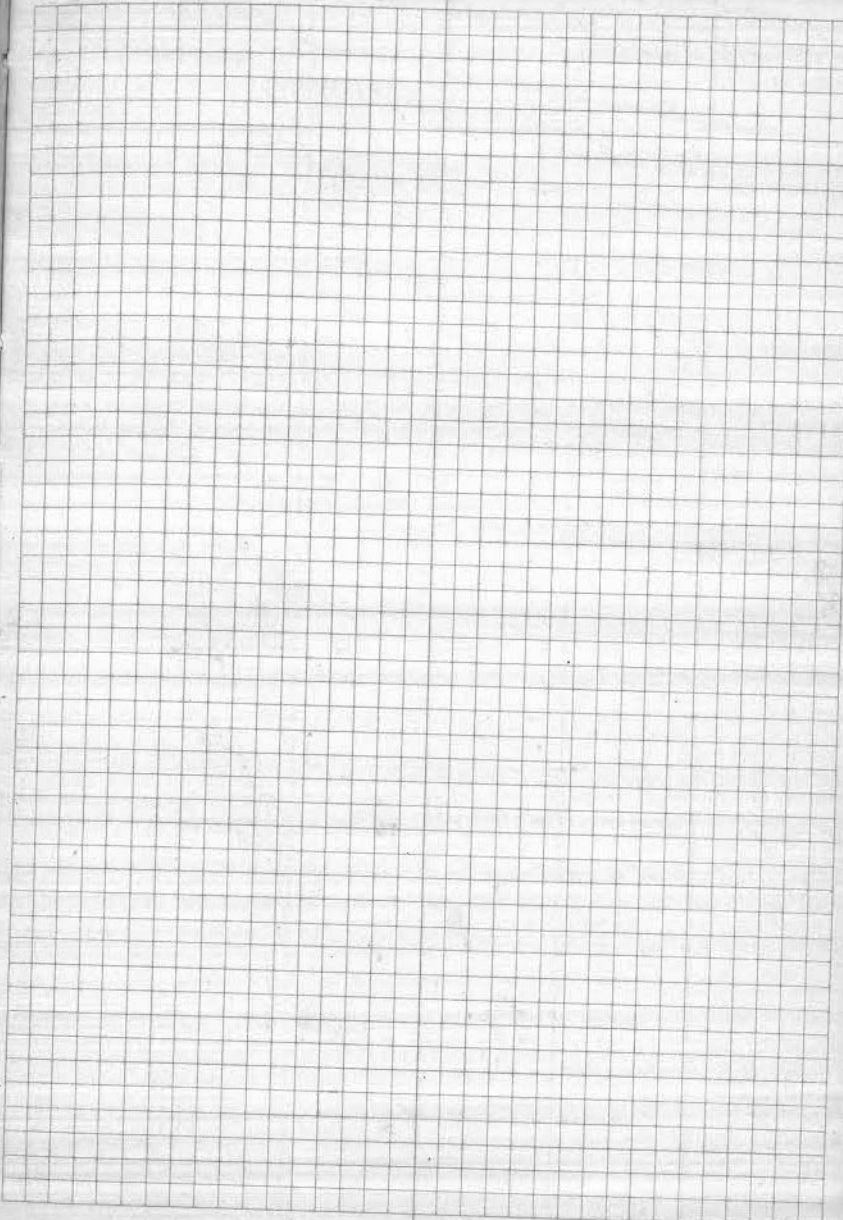
- 293 Bend in Creek. 8' up to N
Ground level 6' thick
Sample 134 is weathered
rock from this point.

Aug 29, 1947

- 294 at head of creek 5' up.
in soil and gravel again.
- 295 In small hole, flint, local.
- 296 In gully, 6' up, gravel
at head.
- 297 Center of creek, gravel S.
edge of Basalt, 7' up.
- 298 Center of creek, on bank
on gravel flint 2' up. at
head.
- 299 Just west, mainly local flint
small, flint.
- 300
- 301 center of creek, part of white
sand.
- 302 Old creek.

Aug 29, Thursday

- 303 Just below ditch.
- 304 On square flint, melting
in place.
- 305 at 5' up, in hollow, small
patch of weathered rock
probably Basalt, flint
with pebbles.
- 306 Small, flint only.



Aug 21, 1947, Thursday.

- 307 Still on flint.
- 308 3' Eng. calc. gneiss, 6' exp.
beginning 10' south then
appear to be gravel
change in the Barret outcrop,
getting lighter.
Sample 135 should
be oriented so that the light
comes against rock so on
top of the dark fine grained
rock. Sample 136 is
about 2' north of 135.
- 309 In creek bed, see out to the
flint only.
- 310 Along creek. Darker fine
grained gneiss, 4' up to
w.
- 311 From here north, gneiss
intersects.
- 312 Lighter, coarser grained
gneiss. Sample 137
- 313 gentle slope
- 314 Shaded gneiss outcrops
lighter gneiss.
- 315

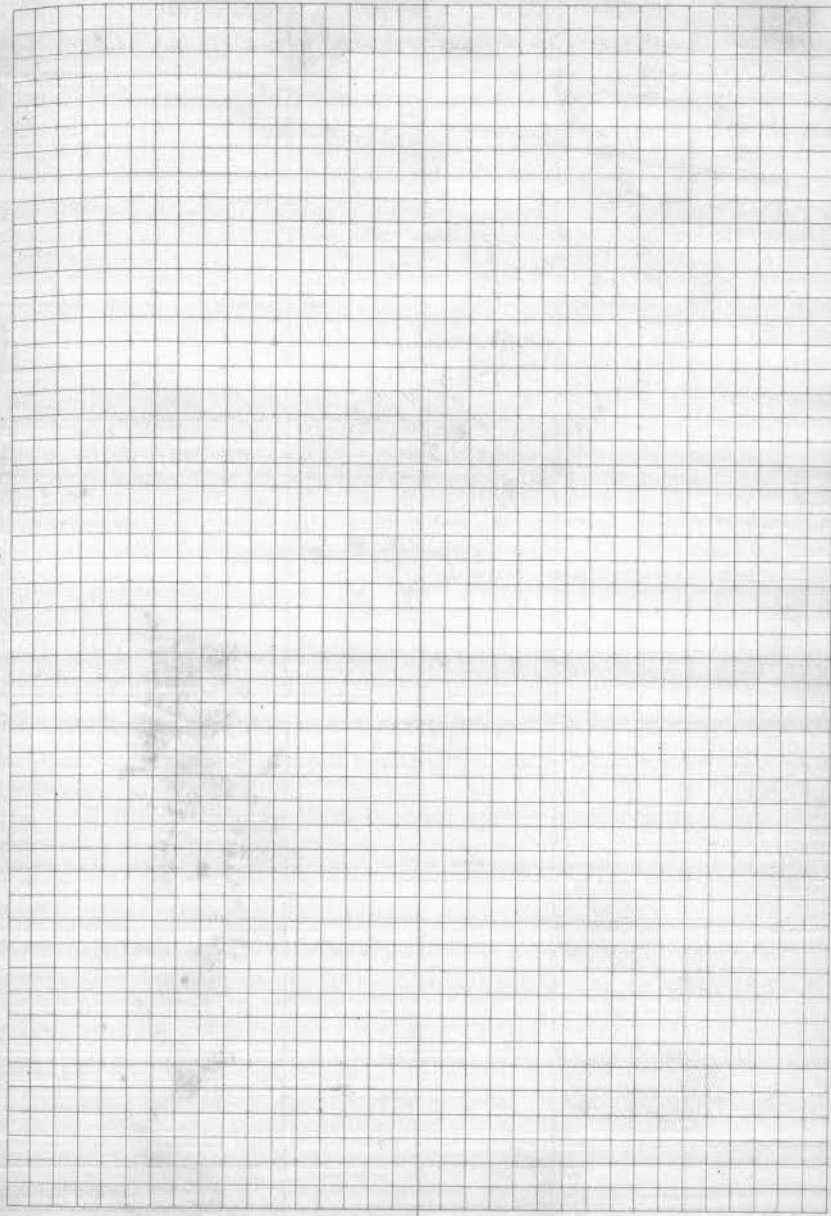
To the very crest of the
ridge there is "Barret" flint.

Aug. 21/1947, Thursday.

- 316 Swell, pyrite
- 317 Δ on flat area.
- 318 Swell in between. Pyrite.
- 319 'Basalt' inclusion in pyrite
- 320 ³²¹ ~~320~~ Center of Crack. Only small
entire line, quite shallow.
- 320 2 entole, center of Crack line.
- 322 Δ on flat area above crack wall.
- 323 Swell, deep to 40.
- 324 flattens off line. Swell,
pyrite has scattered phenocrysts
- 325 Swell, sample is of material
in pyrite #139
- 325 Swell, only pyrite. Sample 194
is about 20 m.w. This
is an inclusion in the pyrite
along the crack about 2 layers of
are present of these crystals.
This rock is highly fractured
small blocks and solution.
- 326 On pyrite.
- 327 On pyrite.
- 328 Sharp swell to E.
- 329 Swell.
- 330 Swell, pyrite. It is a
returning well. when a crack is

DATA in here

O.K.
Kuc.



Aug 21, 1947

- X331 In Swahili, Ireland flat
the so flat from here to
West. (W)
- 332 Center of creek. Soil.
- 333 edge of red soil. Some Venn
material as flint,
- 334 submerged soil swell.
- 335 foot of strong wall. Creek
goes over here.
- 336 E. end of strong wall. Material
contains.
- 337 flat here. steep 30' S.
- 338 Swath, flat.
- 339 Swath, soil
- 340 about N. edge of broad. (cut over
my line to South)
- 341 South edge of broad. outcrop.
probably goes further E.
- 342 S. edge of broad outcrop.
soil below.
- 343 Soil and swished flint, swell.
- 344 Broad outcapping.
- 345 Broad " " Swath.
- 346 N. edge of broad.
- 347 " " " "

Aug. 21, 1917

- X 348 On 'bowl' swell.
- 349 "Bowl" flat, to E. outcrop
grass this for Smith
- 350 Bowl outcrop flat soil
south.
- 351 S. slope of bowl.
- 352 15' wide on line to E. of Bowl
- 353 Swell, litter & soil
- 354 N. edge of bowl.
- 355 Granite flat.
- 356 Granite flat. Bowl ^{litter} _{litter} ^{is} _{is} ^{just} _{just}
- 357 On granite flat. ^{litter} _{litter} ^{is} _{is} ^{also} _{also} ^{seen} _{seen}
- 358 Granite
- 359 " " Swell
- Thursday
- X360 Steps to N. side
- 361 Swell, soil flat.
- 362 " "
- 363 about S. slope of Bowl outcrop.
May be just large flat patch
- 364 Soil slope
- 365 Soil (to outcrop in creeps
all in ground)
- 366 Swell, soil
- 367 Soil

Note: Bowl may be about
15' N. of Δ 267

Monday Aug 28, 1947

- 368 1/2 mile
- 369 High to N.E., soil
- 370 Small creek, 1/2 above
- 371 Small, soil.
- 372 Small, head of gulch, sharp
swells side, side.
- 373 on sharp embank 1 1/2 up with way
- 374 Soil.

Friday Aug 29, 1947

- 375 Sycamore flat, no outcrops, well
- 376 " " " "
- 377 Sycamore flat.
- 378 Δ
- 379 Small sycamore outcrop, heavy float
Sample 141
- 380 Small heavy float.
- 381 small sycamore flat with
sycamore-baldpate richness
- 382 sycamore Quasar
- 383 - here starts the topography
- 384 all is sycamore
- 385 "
- 386 "
- 387 "
- 388 "
- 389 "

Pointing at Δ 390

N 65° E, 40° W
which is the 1/2 way of control.

The sycamore has scattered
large glass-crytals of sycamore
and filiciferous. It is all in the
abundant in location.

Aug. 29, 1927 Friday

X 390

391

392

393

394

395

396

397

398

399

400

401

402 Flat from S 4, soil.

403 end of cut, top. w. only 2 weeks
grain & E.

404 top of gully, 7' down 6' N.
at level in gully.

405 small, 2' down for 15' N.

406 End of cut, 4' higher to cut.

407 On soil.

408 Soil.

409 slight swell.

410 Soil.

411 1 on flat: at Home has once

412 Soil

413 end of slope N

Aug 28, 1997 Friday

- X 414 Soil
- 415 Soil
- 416 Soil
- 417 Soil
- 418 Soil

419 Soil flat land.

Aug 30, 1997 Saturday

420 Δ

421 Soil, flat.

422 Soil, slightly high to west.

423 Soil

424 Slopes to W.

425 Top cut. about 1/2 E.

426 E. slope of small pit.

427 Crest of small ridge.

428 End of cut. E side. cut on

Soil. about 1/2 E.

429 Soil.

430 Soil.

431 Soil.

432 Soil.

433 Soil Slopes W.

434 In scrub.

435 Soil.

436 Soil.

Aug 30, 1947 Saturday

- 438 Center groove
- 439 in small, coil only
- 440 ~~top~~ on coil - expansion
- 441 top cut, on edge, cut in part
except for head which is in
covered, and coil very resistant.
- 442 Edge cut
- 443 Corner of cut
- 444 " "
- 445 edge cut
- 446 top cut at joint
- 447 " "
- 448 top cut
- 448 " "
- 449 top cut
- 450 " "
- 451 top cut
- 452 top cut
- 453 top cut
- 454 " "
- 455 " " 2' down to basket
- 456 " "
- 457 edge of cut

150 219

1 Sept 5, '47

Harder Extension

11

#131 NW Corner of test pit

6 ft square

#132 Topog shot

#133 Topog shot

#134 E End of Pit

#135 West end of above pit

#136 Topog Hot Spr. ss float

#137 NE end of Trench

#138 SW end of Trench

#139 NE End of Trench

#140 SW End of above Tr

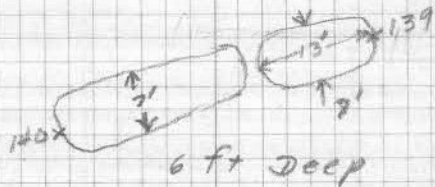
#141 NE corner of test pit 5' square

#142 E. end of trench 5' wide 3' Deep

#143 W end of trench



Massive ledge of ss. in center of pit



3ft deep.



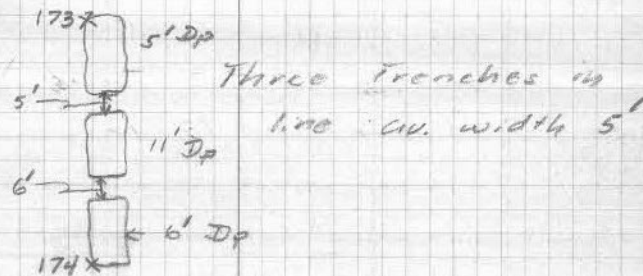
- #144 NW cor of caved shaft
6' Deep 8' square
- #145 SW end of Trench 7' deep
4 ft wide
- #146 N. End of shaft
- #147 S End of shaft
- #148 W. end of trench joined to
above shaft - 3' wide 3' deep
- #149 Center of west end of
"L" shaped trench 3' wide
1' deep
- #150 SE corner of 4x6' Test pit
3' deep
- #151 NE corner of test pit 4' x 7'
3 ft deep
- #152 NW end of Trench 4' wide 3' deep
- #153 SE end of Trench



- #154 NW End of 4x7' Trench
4' Deep
- #155 Topog Shot
- #156 SE End of Trench
13' x 5' 5' deep
- #157 SE corner of deep
shaft 9' x 4'
- #158 NE corner of Trench 11' x 4'
3' deep
- #159 NE corner of Trench
- #160 SW corner of above Trench 8'¹/₂ dp.
11' square
- #161 NW corner of Trench 4' x 8' (2' Dp)
- #162 NW corner of Trench 4' x 7' (3' Dp)
- #163 NW corner of Trench 4' x 10' (6' Dp)

- # 164 NW Cor Test Pt 5' x 11' (3' dp)
- # 165 Topog Shot
- # 166 Topog Shot
- # 167 Topog Shot
- # 168 Topog Shot
- # 169 Topog Shot
- # 170 Topog
- # 171 Topog
- # 172 Topog
- # 173 NW Cor of N.S. Trench
5' x 10' (5' dp)
- # 174 SW Cor of N.S. Trench (see sk.)
- # 175 Center of N. end of Tr
- # 176 SW corner of S. end of above Tr
- # 177 Topog
- # 178 Topog
- # 179 Topog
- # 180 Topog
- # 181 Topog
- # 182 Topog

Heavy ss.
Flint



M. C. Rutil Sept 6, 1907

I 80 joints this is more
set which controls breaching
in Crack Valley on E. side.
Second major set N 20° W
almost vertical.

Third major set runs
N 40° E and is almost vertical

at Island which was
photographed.

1.5" Calcite

passing into basalt.

Green attached

Brown 1.24 1.5"

cheesy clay zone
attached yellow and white

3"

.5

↓ Duplicated here
vein dipping 20° N

this is typical of all the
strata of the basalt.

Along main highway. East E
of cemetery. 125' from
road going to house
 $\begin{matrix} 50 \\ 20 \end{matrix}$ of low angle fault.
massive bedded sandstone
with shaly partings 6" thick.
Sample N-1 is sandstone
bedding. $\begin{matrix} 350 \\ 30 \end{matrix}$
N-2 is clay parting.

at N-3 opposite road
inter section. There are some
darker gray sandstone.
 $\begin{matrix} 80 \\ 85 \end{matrix}$ has gy and Breccia
along face. Other points
show the same thing.
Sample N-3 is sandstone

N-4 opposite first tourist
cottage south side of road.

N-5 Sample of sandstone

N-6 - Basis from N-5
Same place as N-5

N-7 Thin material in
sandstone at some place
as N-1, however lies
across a wedged sloped
area, clay shaly above it.

Magnet Cove Rutile Pit:

Tuesday.

In Special area.

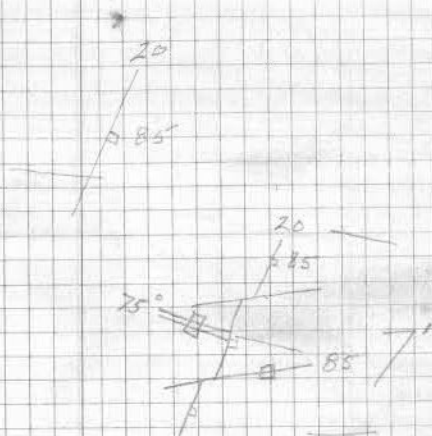
at 46, here pure white veins cut through the yellow mineralized material. The rutile is not associated with the white vein. It is irregularly scattered through the rock.

Near some spot rutile veins cut through other vein material. Also there is disseminated rutile. There is no concentration near the rutile veinlet. It would appear that there was more than one age of rutile.

around A 58 the rutile has an irregular veinlet in the G.M. zone. There appears to be no disseminated rutile here.

There are also mixed veinlets of sulphide & rutile

up Creek Valley.



The joints are mineralized. The $N20^{\circ}E$ one is offset by the $N85^{\circ}E$ set. Temporarily it follows a joint in a particular small section to the $N20^{\circ}E$ joint. It stops abruptly but the joint it was following continues to the E.

This is the primary jointing. The other jointing cut across it.

See also of Photographs Slates
 $S55^{\circ}N$.

Sept.

H 146 - end of T is in Sandstone.

It appears to get coarser ground
near the deep part of pit.

From W-E. In the fine
ground across the Sandstone

~~has~~ has some cavities lined
with large qz. crystals.

This hole appears to have
little if any Perm. bits. Only

Brown qz.

H 5146 10' Channel.

H 159

ss/ clay
S.S.

³⁰
55' bedding
Cuts 10' deep

H/61 Sandstone

H/62 Sandstone

~~H/63~~

H/64 2' also sandstone.

H/63



H/63 ³⁵/₂₀

H/63 6' channel:

H/63 B is clay material.

H/50 Sandstone

H/89 L shaped pit to wide spot
it is solid sandstone

In wide spot seen H/27 there is
flaky sandstone and large clay
masses. as at H/63.

H/87 3' channel.

H173

²⁵ 85 - Bedding.

3' deep

SS.

~~79~~

H145-C

H173

all in weathered igneous

this is from cent. pit 173-174

12' deep.

H174

all in igneous material.

5' deep.

H151

Sandstone

H152

2nd Sandstone

^{1st} Top Bedding.

H154

Sandstone

H156

Sandstone

H157

North end, coarse gravel from
of, and clay.

H158

this is the drift.

26' deep abundant with
on dump.

H140 at 25' from end of pit so
contact with igneous material
with sandstone. (No samples)

H142 This pit is in
E igneous rock - ^{wrong} completely.

H143 Contact with sediments 5'
W. or S.

H141 This pit is all in igneous ^{wrong}

H144 Contact runs along W. wall
of pit.

HS-144 5' deep channel off E. side.

~~HS-144~~ B Sample from west end of pit

HS 145-B Igneous & sandstone - contact

H145 - Here W. end of pit has
large fragments of gneiss coarse
ground rock. It may be
sandstone middle of pit is
clay with igneous fragments,
loc. quartzite.

HS-175 5' channel.

H-175 NW corner channel S.S.

rest of igneous flat zone
about to bottom and end

1-126

H145 HS 145B clay



HS 145 - 6' channel.

HS 145-C. This is as from dump.
The pit itself was examined
thoroughly and ~~not~~
found that it ~~is~~ well
shown the coarse igneous
and also one occurrence in the
pit. There are white veins in
the red clay as well as large white
clay masses. The breccia is
disseminated not in clumps. (In vein show)

HS-120 5.5' deep. clay thin
3' wide at N. end of pit.

Contact of clay material
2.5' . 3' S from head on W. side
9' S on E. side.

HS120B is Qz material from thin
mass.

HS131 The material is apparently
^{drifted} weathered igneous rock. 1/2'
deep

HS131B Sample of rock

HS134 3' deep. Thin clay flow
is weathered material.

HS134-B Sample of igneous rock
for thin section.

HS137 Some igneous rocks
with clay zones. 2 ft
3' deep.

HS
139 Contact with red stone is
about 10' E. Sandstone is
coarse grained. South
flint

Sand stone

HS-95A Sample of clay from E. wall
of shaft. Sample covers
6.5'.

HS-95B ~~horizontal~~ ^{vertical} channel of clay and
quartz on W. wall - out of
shaft but North.
6' deep channel.

HS-95C Nodules(?) from bottom
of shaft, for thin-section.

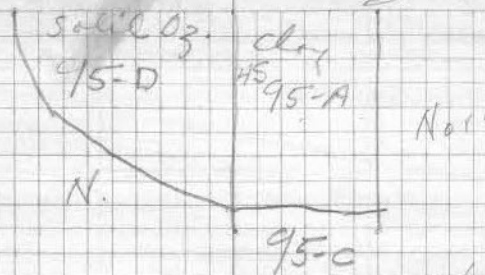
HS-95D chip samples in horizontal
line across quartz area.

at E. pit.

HS-96 4' channel
clay 3' wide, 3' wide
in sandstone.
Joint bedding exposed on side of
fault. 3000

N.

Looking E



5' from
bottom of pit
is Nodules
then to top of shaft on E. pit
is clay and clay still.

There is no clay etc on west
wall.

HS-54 8' deep. at point H54.

HS-55 3' deep. at point 62

HS-56 14' deep at point 56

HS-58 9' deep.

HS-144 (Hardly Buried) 3' deep.

HS-75 7' deep.

HS-76 (10' w of end of pit) 4' deep.

HS-78 6' deep.

HS-77 2' deep.

HS-82 5' deep.

HS-83 Smoky quartz

at 475.

Sample H-X is seen
scattered in a general sweep
of fragments. Some are deep some
are shallow - mostly square blocks.

at 479 there is apparently
sandstone in place only.
Probably extending S.E.

Sample Notes for
Hardy Property. These samples
are for chemical analysis.
Also some should be given a
petrographic sampling.

HS-21 channel sample at point
21. Sample from channel
1.7' long. Vertical sample.

HS-21 channel sample 1" wide, 1"
deep. 1.7' long vertical.

HS-26 at A26, channel 10' long.

HS-29 5' deep. (first 1.3' feet almost
solid sandstone fragments
NOT sampled.)

HS-14 5' deep at point H14

HS-42 7' deep (Heavy sandstone at
bottom)

HS-41 7.5' deep

Sample numbers are
for prints (photostats of
them get).

- 141 at D X379 Sphenite from
thin section.
- 142 at D 390. This is type of rock
at west of ridge. This are
abundant inclusions.
- 143 N.W. corner of 10' scale area.
Contact of yellow thin material
with Basalt. Soft below
material 6" N of contact. This
harder material. 143 is soft
Brecher material.
- 144 Harder material.
- 145 Eading lite Sphenite - near Baptist Church.
- 146 Sample of ^{3'} dikes with
photography was taken.

Sample Note

- 130 Clay from pit at near D 208
alluviation of syenite rocks.
- 131 20' North of X 215. for thin-section.
(The coarse grained rock looks to
me very similar to the coarse
grained material in the pit which
is thoroughly altered to clay.)
- 132 at D 224. Nephrite so
visible in clay. It may
be different from the rocks
to the North. Thin-section.
- 133 at D 292 for thin-section
- 133-A for heavy minerals
- 134 at D 293 for heavy minerals.
- 135 at D 300, for thin-section.
- 136 at A 303. rock immediately
N. of 135.
- 137 at D 312 Syenite thin-section
- 138 Out crop at crest of
ridge. Thin-section.
- 139 at D 324 Blocks Mineral
in Syenite.
- 140 at D 325 Inclusions in
Syenite. Thin-section.

