

## SATURDAY LAKE AREA

Drill Hole 72-1 Overburden 25 feet  
(feet)

120 chert pebble conglomerate; part of Hazelton Group; some pebbles ranging in size to 2 inches; Specimen NC 73-9 at 116 feet

267 andesite porphyry; bladed phenocrysts of plagioclase randomly oriented in fine-grained green to red matrix. This section has abundant epidote which occupies the numerous fractures which transect this rock; some sections are noticeably sheared. A few BFP dykes near beginning of section. Specimen NC 73-10 at 210 feet.

This marks end of Hole 72-1

DRILL Hole 72-2 Overburden 16 feet

140 Hornfelsed sediments and volcanic rocks; abundant fracturing usually filled with pyrite

156 Dykes and stringers of light grey BFP. Specimen NC 73-11 at 154 feet +

289 Hornfelsed volcanic and sedimentary rocks; abundant pyrite on fractures with and without quartz

This marks end of Hole 72-2

Drill Hole 72-3 Overburden 23 feet

229 Hornfelsed andesite porphyry. Specimen NC 73-12 at 115 feet

This section contains abundant pyrite and some chalcopyrite on randomly oriented fractures although many fractures are apparently parallel to the core surface. Angle of contact of dyke which falls is at about 20 degrees to core surface

277 BFP very little fracturing; a fresh rock in appearance; prominent small plates of fresh biotite; original hornblende appears to be chloritized; the outstanding feature of this section is the almost total lack of sulphide and fracturing; in fact the further down the section the less fracturing; the only sulphide seen within this

*0.1% Cu  
.008% Mo.*

- section was a small 2-foot inclusion of volcanic rock with pyrite and chalcopyrite fractures. Specimen NC 73-13 at 260 feet —
- 283 Late phase of BFP, a noticeable change in texture with a much finer grained matrix in this section. No prominent contacts seen but rock apparently contains even less fracturing than preceding section. Specimen NC 73-14 at 279 feet + - (Chl. Carb zone)
- 439 BFP medium grained alternating with later phases of much finer grade porphyry. Specimen NC 73-15 at 432 feet + - (Chl. Carb zone)

This marks end of Hole 72-3

- Drill Hole 72-4 Overburden 34 feet
- 46 Hornfelsed sedimentary rock; abundant fracturing with pyrite filling the fractures
- 54 BFP dyke  $MoS_2 - 231 \text{ ft}$
- 75 Hornfelsed sedimentary rock
- 78 BFP light grey massive; disseminated pyrite throughout section  
Specimen NC 73-16 at 73 feet + -
- 436 Hornfelsed sedimentary rock biotite; hornfelsing well developed with secondary green bleaching adjacent to fractures; abundant<sup>ant</sup> pyrite on fractures
- 648 Hornfelsed porphyritic andesite; abundant pyrite in this section as for sedimentary rocks

This marks end of Hole 72-4

- Drill Hole 75-5 Overburden 14 feet
- 148 Hornfels andesite porphyry, abundant pyrite in this section; at end of section 2 foot dyke of BFP
- 219 Hornfelsed siltstone, grey to buff colour; abundant pyrite in fractures

This marks end of Hole 72-5

- Drill Hole 72-6 Overburden 20 feet
- 120 Amygdaloidal andesite, apparently post mineral, abundant fracturing but no visible sulphide seen; brecciated sections



contained abundant carbonate which appears to have been introduced

- 151 Shear zone BEP - ending breccia.  
239 Brecciated amygdaloidal andesite; several sections here are intensely sheared

This marks end of Hole 72-6

Drill Hole 72-7

Overburden 17 feet

- 125 Brown to dark green <sup>pyro</sup>phyritic andesite; partially hornfelsed pyrite abundant in fractures
- 147 Hornblende, feldspar porphyry dykes. Specimen NC 73-18 at 130 feet ++
- 294 Hornfels <sup>pyro</sup>andesite <sup>pyro</sup>phyry and siltstone; fair amount of pyrite in this section
- 336 Hornblende feldspar porphyry; <sup>d</sup>efinite flow fabric noted in this section; pyrite occurs on dry fractures
- 375 Hornfels volcanic rocks
- 407 Hornblende feldspar porphyry grading to biotite hornblende feldspar porphyry ; flow fabric not pronounced in this section  
Specimen NC 73-19 at 405 feet +

This marks end of Hole 72-7

Drill Hole 72-8

Overburden 72 feet

- 265 Initial section of core is hornfelsed brecciated siltstone with some volcanic rock; pyrite fairly abundant; latter part of hole appears to be fine-grained porphyry in which pyrite is disseminated in the matrix. Specimen NC73-20 at 245 feet + (Green)

This marks end of Hole 72-8

Drill Hole 72-9

Overburden 120 feet

- 250 Andesite crystal tuff; sheared and brecciated but generally very little sulphide seen in this section; no degree of hornfelsing noted.

This marks end of Hole 72-9

Drill Hole 72-10 Overburden 120 feet

279 Brecciated andesite tuff breccia; abundant carbonate introduced along fractures; very little sulphide, if any, noted in this hole

This marks end of Hole 72-10

Drill Hole 72-11 Overburden 8 feet

139 Hornfels siltstone, some fine banding still preserved with some syngenetic pyrrhotite banded in the bedding plane; abundant pyrite

387 Dark green medium-grained diorite; slightly magnetic pyrite occurs in fractures. Specimen NC 73-21 at 174 feet

439 White to buff siltstone, abundant pyrite in fractures and as disseminations in the matrix; partially brecciated.

This marks end of Hole 72-11

End of Side 1

AMOCO 1972 DRILL CORE  
SATURDAY LAKE PROPERTY

Drill Hole 72-12 Overburden 22 feet

190 Black graphitic siltstone; abundant carbonate veining; minor pyrite; complete lack of induration and/or hornfelsing; gradational to following entry.

275 cherty white to buff siltstone; abundant fracturing; fractures filled with pyrite; some biotite hornfels sections; narrow 2-foot dykes of hornblende feldspar porphyry. Specimen NC 73-22 at ~~30~~ 230 feet

345 Hornblende feldspar porphyry; light grey fine-grained; complete lack of fracturing although pyrite is uniformly disseminated throughout section; some flow fabric noted. Specimen NC 73-23 at 317 feet; near end of section brecciated zone which appears to be an intrusive breccia with fragments of siltstone and porphyry in a fine-grained dark grey matrix; some tourmaline also noted Specimen NC 73-24 ~~ix~~ at 343 feet

- 446 Buff to brown hornfelsed siltstone; abundant pyrite on fractures;  
Near beginning of section at 349 feet a quartz carbonate vein  
approximately 2 inches wide contains pyrite and sphalerite
- 466 Fine-grained hornblende feldspar porphyry; this rock continues  
to end of hole at 548-foot mark, with occasional inclusions of  
brecciated white siltstone

This marks end of Hole 72-12

Drill Hole 72-13 Overburden 6 feet

- 73 Grey hornblende biotite feldspar porphyry; no obvious flow fabric;  
rock is only slightly fractured; original hornblende appears to be  
altered to chlorite. Specimen NC 73-25 at 60 feet. This specimen  
contains 6-inch section of very fine-grained dark grey intrusive *(Chlorite zone)*  
breccia
- 135 BFP <sup>e</sup>leucocratic phase; little fracturing; no pyrite. Specimen  
NC 73-26 at 120 feet *Hb → Chlorite*
- 209 Hornfelsed siltstone; very little pyrite seen in this section

This marks end of Hole 72-13

Drill Hole 72-14 Overburden 171 feet

- 209 Graphitic siltstone to end of hole at 209 feet

Drill Hole 73-1 THURSDAY LAKE AREA, North of Granisle Road

Overburden 30 feet

Graphitic siltstone to end of hole at 364 feet

Abundant carbonate; fractures; hairline fractures; very little pyrite

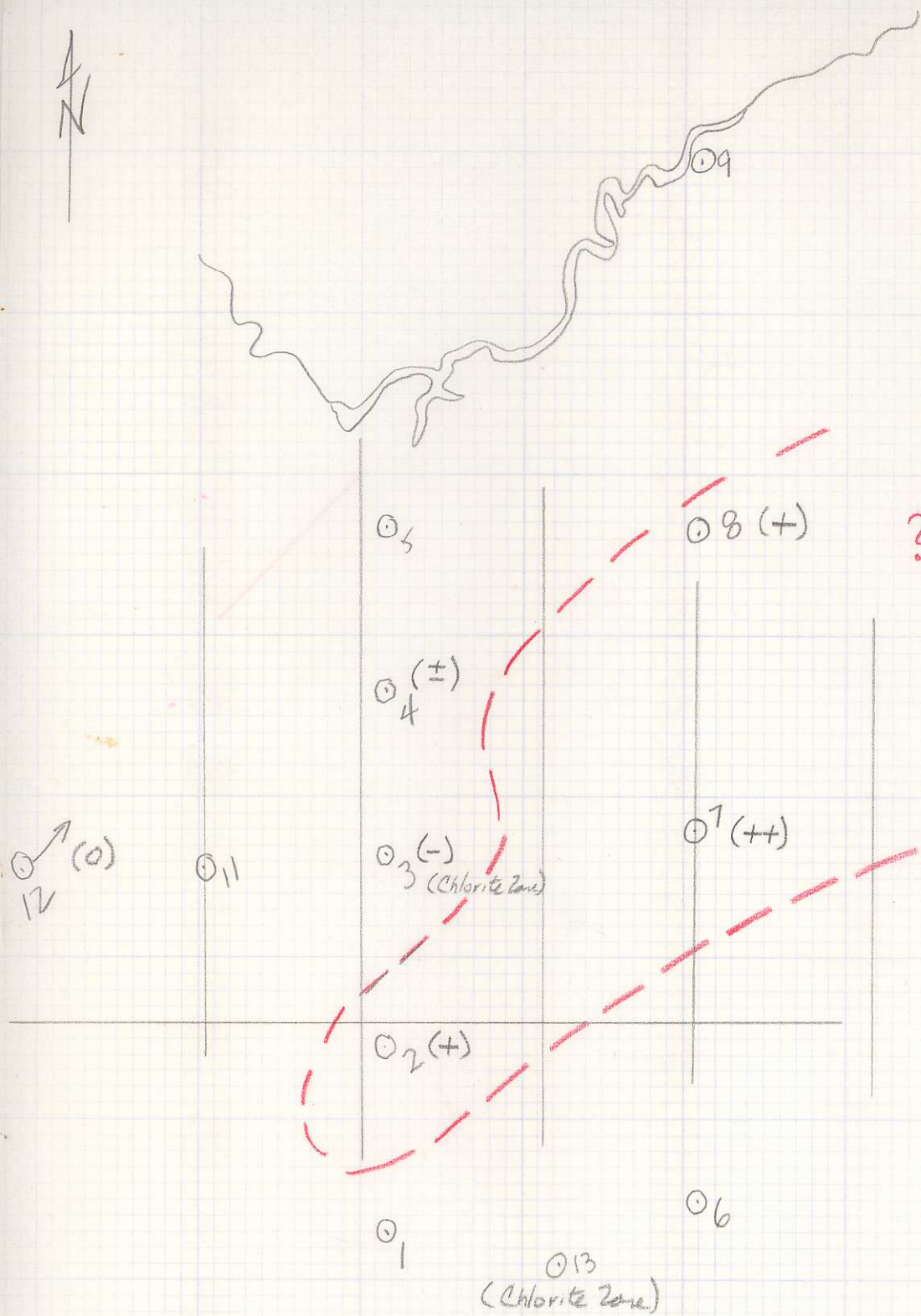
Drill Hole 73-2 Similar to previous hole although not quite so graphitic

This marks end of examination of Amoco 1972 and 1973 drilling in the Thursday,  
Friday, and Saturday Lake areas





1" = 400 ft.



### FRIDAY LAKE

Secondary Biotite Alter. in Porphyry

- ++ Extrem
- + Strong
- ± Moderate
- Weak
- o Nil

N Chlorite  
BEDM & PR.



