

672534
Astro
Project

	From	To	
78-1	427½	447 ✓	
	370	396 ✓	
	310½	330½	
	251	270	
	191½	211½	
	130	150	
	487½	503 ✓	
	447	466 ✓	
	270	290	
		- 231	
	149 -		
	390	408 ✓	
	330	350	
	466 -	✓	
	408	427½ ✓	
	350	370	
	290	310	
	?		
	?		

78-2-

554'-

604.5 KOBAN QTZITE - Thin bedded
somewhat foliated - sericitic
on bedding seams. Pink
tinge in thin beds suggest
very fine garnets. Greyish
green - whitish overall
Minor x cutting carbonates
qtz carb? stringers.

625' Irregular qtzite (qtz?) contact
with greenish grey to brown buff
white qtz carb str / py a small
fract

626' Qtzite? Much introduced qtz
carb by qtz carb str.

630' Epidote? - Ghosts of creamy
feldspar crystals, Fine black
mineral

636-637 fg creamy intrusive? slightly
sericitic cut by qtz str + veins.
Minor fine copy? py + black min
= graphite?

735 ^{aplantic} Very fine grain green grey
"volcanic" dyke? Minor g/f
and str.

White Rd - Twin Rd Inset 18508.8

509.3 fork left

513.5 intersection
of fences.

514.2 switchback
~~over creek~~

515.2 fork in road
took left side
to Jaguar Lake.

515.6 took right fork

518.6 switchback left
South end of logging

519.7 S turn as
90° bend left

519.8 bend right

520.1 bend left to lake

520.7 Team around at N
end of lake

525.8 B L C P K I N S

GRANT CROOKER

April 22, 1981

4 N K I N S # 5

525.9 Jasper Lk junction
take right fork,
turning right

526.1 took left fork

527.2 took right fork

527.4 " left fork

527.8 5 Sloped side track

528.8 switchback right

travel mainly west

530.2 turn south

- 5698 on tree
 530.7 fence, Carelignard
 Swamp on west side
 of road.

531.5 Stringer Junction
 Corner past KEREMEOUS
~~SW~~ M. SUSKA
 72688

turn left

532.2 three gate
 switchback left

back to stringer intersection
 south to powerline @ 533.9

534.0 Sharp switchback
 right

travel westerly

534.6 power line
 follow it

54.0 Logging area S
of powerline join
Kempner traverse

Sept 5/88

ASTRO PROJECT

DDH 78-2 NQ Core

Box 564-590

564-565⁺ Light grey brecciated gty ite
Indistinct blue grey fragments? or
disrupted quartz veining. Very
quartz rich overall. Fine pyrite cubes
on numerous small fractures. Oplw
accompanied by fine dark grey to black
material - graphite? in small quantity.

565⁺-568.5⁺? Fault zone - block "muddy"

0.9' Core material with frags of gty ite.
Cassini
lost core More or less graphitic with minor
very fine pyrite. Striken sided in
wavy direction

568.5-570 1.2' Core Grey brecciated
gty ite. Minor pyrite on frags & fine
black mineral, graphite? Core
broken & sheared 0.3 feet short of 570⁺

570-575 Badly sheared & broken quartzite,
with some sections representing
granular fault gouge. Much muddy
graphitic material. Fine pyrite
on frags. Local apparently large
fragments 2 1/2" long of lighter
colored quartz? - possible disrupted
vein

575-576.3 Solid core Creamy pink
c.g. gty with granitic. Contacts at 60°
Very minor weak fract with minor
fine py. Dissem spots of py

576.3-577.0? Assume 0.5' core represents
0.7' Brecciated gtzite with
apparent minor folding at start
of section. Platy graphitic wofers
at end of section. Minor py

577.0-577.4 Granite dyke - solid -
graphitic material on contact
at 45° ; second contact uncertain
at 90°

577.4-581 577.4-579 marker represented
by 0.6' core
Thin bedded quartzite & sericitic
on bedding planes plus chlorite? and
graphite in more sheared section.
Little very fine py.

581-582.5 Granite dykes.

582.5-583.5 Brecciated very silicious
quartzite. Minor py & black
mineral - graphite? So gtz such as
to appear silicified

583.5-584 Granite Dyke Contact about 60°

584-586 Thin bedded gtzite. Minor
py, graphite

586-589.5? Very broken core, latter
portion mainly graphitic material
with pyrite (very fine) with strong
shearing in wavy pattern along
axis of core. Polished slickensided
surfaces.

Box 590-614

589.5-613 Thin bedded, impure
gltite. Bedding at 60° to core
Bedding planes sericitic.

593-594 Black siltstone, finely
bedded

Minor crenulated folding over
short sections. Bedding planes
usually sericitic with \pm graphitic
material.

Box 614-634

613-627.5 Qtzite

613-616 Highly siliceous

616-620 Siliceous but better
bedded. - darker color

620-623 Fairly thin but irregularly
bedded. Sericitic - greenish
brown wisps + beds? possibly tuff.

623-624 Very siliceous band. Irregular
contacts with tuffaceous? material
at ~~60~~ + ~~60~~ $60^\circ + 45^\circ$. Fine
white, barren glt carb st. at
angles to contacts approx. Minor
py with wisps of dark mineral.

624-624.5 Greenish brown tuffaceous?
gltite

624.5-627.5 Mainly very siliceous gltite
with very minor glt carb st. Fine
black wisps + specks of ? min.

Very rare py

627.5-630 Greenish brown tuffaceous?
gtz etc

630-631.5 Aplitic gtz rich granite
with irregular small gtz etc
with minor py. Black mica
on fracture.
Creamy feldspar phenocrysts

631.5-634.8 Qtzite - quite siliceous
Irregular zone of introduced
bluish gtz and aplitic?
material. Some sericite and py

634.8-636.5? Feldspar granite, minor
gtz etc + py as 630-631.5

636.5-637 - Few small frag. gtz etc.

637-641 Siliceous rich gtz etc becoming
thin bedded + tuffaceous?
Evidence of small scale folds

641-641.5 Small fragments graphitic
gtz etc - fault.

641.5-642.5 Brecciated gtz etc

642.5-654 Thin bedded impure
gtz etc. sericite on bedding
planes. Much crenulation &
small scale folding. Foliation
along core in sections?

649.5 3" white gtz vein

650-651 Two aplitic dykes 3" and 1"
Cutting core at 80°, Crenulated bedding at steep
angle

ASTRO

78-1

466.5-487.5 487.5-503

Core in small fragments throughout
Generally black graphitic with
fine dissemin py in very small
quantities

This core may have been split
& sampled. Orange flagging looks
fresh & occurs at frequent
intervals but no markings.

Rock is brecciated quartzite.

489 1/2" ~~1 1/2~~ white qtz vein

495-496 1/2 Granite dyke qtz rich pink
4657-466 5 granite - carbonate on fractures

467.5-472 - Fragments chloritic? + graphitic

66621A Sheared rock - qtzite? Small
carbonate blebs + str.

472-477 Badly broken core - certainly previously

66622A sampled. Siliceous qtzite, graphitic
on fractures. Rare very fine sulphide, py

477-479 Brecciated Qtzite / carb str

479-480 Granite dyke

480-480 1/2 } Brownish fg massive dyke? / fine py

66623A

480 1/2-481 Qtzite - graphitic on fract

481-482 Brownish fg massive dyke / fine py

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAR WATERPROOF

482-483 1/2 Very siliceous gtzite -
no visible mineral

483.5-485.2 Qtzite with considerable
graphite, very minor pyrite

485.2-485.5 Qtz carb veining

485.5-490 Greenish brown of 'dyke?'
material. Carb veinlets +
66624A dissemin py. Considerable graphite
in places. Appears to be thin
bedded gtzite with interlayered
green grey tuff? in graphitic section

490-491.3 Brecciated gtzite - very shiny graphite
on many irregular fracture surfaces
Possible very fine py.

491.3-496 Brecciated gtzite with sections of
666 25A greenish brown tuff? dyke?. Fine
py + py - near stringers on fractures
in gtzite.

496-497 Granite dyke

497-503 Approx 2 1/2' broken core

Brecciated gtzite, much graphite
minor py Py on fract.