24 Aug 79

1020 Stope 1300 Level
North end of West vein fired last night, left a thin crown all the way back. Ralph Brown drilled and fired strip. I bolted hanging wall in S.E. corner and drilled and fired block holes. South end of stope is broken thru level and muck pile is 20 feet high. Saw a lot of Friedelite in South end and Willemite-Franklinite micros in West vein.

27 Aug 79

1620 U.P. 1680 Level
Moved diamond drill from 1220 N Section 1000 Level to 1620 U.P. 1680 Level to explore upward extension of 1450 stope 1750 Level, DDH #407
28 Aug 79

Set up drill in 1620 U.P. Had to strip north rib. Drilled 9 feet with bull bit. Two feet of ore and seven feet of green rock. 1620 U.P. is in red ore all the way to the hanging wall, no black ore. Saw 3/8" veinlets of pale green willemite in shear zone at hanging wall.

29 Aug 79. - 1620 U.P. 1680 lev. Drilled 36'. 34' of it was green rock. New bit already dull. Bob Svecz stopped by and handed me #278 an akrochordite from 1220 U.P. 800 lev. Nick Kinney showed me more 1220 arsenates at quitting time. Checked south end of west vein at lunchtime. Many sphalerite veinlets. No specimens.
30 Aug 79  1620 U.P.  1680 L.  DDH 407
Drilled from 45' to 65', thru very hard gneiss. Brand new bull bit would not drill. Had to core to reduce area being cut. Checked wollastonite occurrence on lunch time. Scaled more loose there and should recheck area with blacklight.

Ed Stoll gave me a nice het aerolite specimen from 1700 pillar 1750 lev.

31 Aug 79  1620 U.P.  DDH 407
Drilled from 65' to 86'. Hit good ore at 77' 6". Bob had said I should hit it at 120'. A rock wedge in 1620 U.P. is producing mixed sulfide specimens which contain native gold.
4 SEP 79  1620 U.P.  DDH 407  1680 LEN
DRILLED FROM 86' TO 116'. MASSIVE ORE ALL THE WAY.

5 SEP 79  1620 U.P.  DDH 407
DRILLED FROM 116' TO 138'. ORE ENDED AT 126'. GREEN AND WHITE ROCK TO 138'. EXPLORED NORTH END OF EAST VEIN ON LUNCH TIME. EAST VEIN DRIFT IS STILL PASSABLE TO THE NORTH END OF 2600 STOPE. THERE IS STILL ONE CUT TO THE LEVEL FOR 2600 STOPE. NO CRIB IS VISIBLE IN THE STOPE AND IT WOULD SEEM TO BE ABANDONED. THERE IS STILL A LARGE AMOUNT OF ORE BENEATH THE LEVEL A SHORT DISTANCE SOUTH OF 2600 ST. TWO RAISES GO DOWN TO A SUB-LEVEL. A ROPE WOULD BE NEEDED FOR EXPLORATION. 2600 STOPE IS BOLTED WITH LAG BOLTS THAT HAVE THE SMALL HEAD.
6 Sep 79  1620 U.P.  DDH 407

Drilled from 138' to 151'.  Green and white rock with a one foot band of reddish, hematitic calcite at about 145'.  This is bit plugging-ground.  Lost some core and had a premature pull-out.  Set up wall tugger to handle steels.  Scaled loose at south end of west vein at lunch time.

7 Sep 79  1620 U.P.  DDH 407

Drilled from 151' to 171'.  All rock explored sub-level mentioned on 5 Sep 79.  Ore there is brecciated with sphalerite between fragments.  Ground conditions are atrocious.  In fact, the whole drift from 1660 U.P. to 2600 stope is a mess.  Loose rock and rotten timber in the stalls.
8-10 SEP 79  1620 U.P.  DDH 407

Drilled from 171’ to 178’. Lo-ore
171’-175’, Green Rock 175’-178’.
Moved column to better position
And set up drill for DDH 408. This
hole will go straight east into
hanging wall. Drilled 3’, all ore.
Broke loose slabs of ore at
South end of West vein. Looking
for specimens in sphalerite veins.

11 SEP 79  1620 U.P.  DDH 408

Drilled from 3’ to 45’. Green
Rock 3’ to 31’. Franklin marlze
31’ to 45’. Narrow band of green
rock 41.5’-42.5’. Broke more
slabs at sphalerite location.
12 SEP 79  1620 U.P.  DDH 408
DRILLED FROM 45' TO 85'.  WHITE ROCK WITH SHEAR BOUNDED GREEN ROCK FRAGMENTS TO 73'.  73' TO 85' SHEAR ZONE IN H.W. TYPE MARBLE.
SCALED LOOSE IN SOUTH END OF WEST VEIN ON LUNCH HOUR.

13 SEP 79  1620 U.P.  DDH 408
DRILLED FROM 85' TO 120'.  ALL FRANKLIN MARBLE, CHISELLED PIECES FROM 1620 BORNITE LOCATION ON LUNCH HOUR.

14 SEP 79  1620 U.P.  DDH 408
DRILLED FROM 120' TO 150'.  ALL WHITE ROCK, SHEARED, WITH GRAPHITE.
LOOKED OVER 1360 STOPE AT LUNCH TIME.  SAW DIKE IN NORTH END?
17 SEP 79  1620 U.P.  DDH 408
DRILLED FROM 150' TO 161'.  ALL WHITE ROCK. TOOK MY HELPER TO SUSSEX HOSPITAL AFTER BREAK TIME FOR X-RAYS. HE HURT HIS ARM PUSHING STEELS INTO HOLE. TURNED OUT TO BE A PULLED TENDON.

18 SEP 79  1620 U.P.  DDH 408
DRILLED FROM 161' TO 180'. HOLE FINISHED. ALL WHITE ROCK. SCALED LOOSE IN ORE FRAGMENT AT SOUTH END. APPARENTLY PART OF FALSE KEEL.

19 SEP 79  1620 U.P.  DDH 409
SET DRILL FOR NEW HOLE. DRILLED TO 26'. ALL ROCK. SCALED LOOSE.

20 SEP 79  1620 U.P.  DDH 409
DRILLED FROM 26' TO 61'. HIT ORE AT 54'. SCALED LOOSE.
21 Sep 79  1620 U.P.  DD409
Drilled from 61' to 96'. All ore.
Broke rock at Wollastonite area.

24 Sep 79  1620 U.P.  DDH 409
Drilled from 96' to 126'. Ore 96-98.
Franklin marble 98' - 126'. Got two
large grain Wollastonite specimens
on lunch hour. New core barrel
broke.

25 Sep 79  1620 U.P.  DDH 409
Drilled from 126' - 141'. All rock.
Poor ground for coring. Scaled
loose in 1520 pillar (West Vein).

26 Sep 79  1620 U.P.  DDH 410 +20°
Turned drill for new hole. Drilled
from 0' to 35'. Green rock. Scaled
loose in 1520 pillar on lunch hour.
27 SEP 79  1620 U.P.  DDH 410 +20°
DRILLED FROM 35' TO 69', ALL ROCK.
EXPLORED 1620 CROSSCUT 1600 LEVEL.

28 SEP 79  1620 U.P.  DDH 410 +20°
DRILLED FROM 69' TO 88.5', ALL
GREEN ROCK. SCALDED LOOSE IN 1620
CROSSCUT 1600 LEVEL. IN BLACK ORE
NEAR THE H.W. THERE IS A AREA
OF CALCITE PATCHES CONTAINING
LARGE GRAINS OF FRANKLINITE AND
ASILICATE. CUTTING ACROSS THIS IS
A SHEAR ZONE WITH MANY OPEN
POCKETS CONTAINING APPARENT
BRANDTITE CRYSTALS. GOT A BOX
FULL TODAY AND WILL GET MORE.

2 OCT
29 79  1620 U.P.  DDH 410 +20°
DRILLED FROM 88.5' TO 115', GREEN
ROCK TO 108', WHITE ROCK TO 125'. GOT
MORE BRANDTITE? FROM 1600 LEVEL.
3 Oct 79  DDH 410  1620 U.P.
Drilled from 115' to 140'. Mixed green and white rock. Shear containing hematitic calcite 123' to 124'. Got more brandtite?

4 Oct 79  DDH 410  1620 U.P.
Drilled from 140' to 145'. Went thru soft ground that collapsed and blocked hole. Had to abandon hole. Lowered drill 10° and started DDH 411. Got more brandtite?

5 Oct 79  1620 U.P.  DDH 411
Drilled from 2.5' to 45'. All green rock and very hard. Got more brandtite. Will give Pete Dunn a sample at Franklin show tomorrow.
8 OCT 79  DDH 411  1620 U.P.
Drilled from 45’ to 73.5’. Green rock to 58’, ore to 67’. Sphalerite to 73.5’. Got more Brandtite from 1620 X-cut.

9 OCT 79. DDH 411  1620 U.P. 1680L.
Drilled from 73.5’ to 102’. Ore to 82’. White rock with sparse Franklinite and Hematite to 95’. Green rock to 102’. Pete Dunn was on the phone when I got home. He confirmed Brandtite from 1620 X-cut, 1600 level. Also, Akrochordite and Sarkinite from 1220 X-cut, 800 level.

10 OCT 79  DDH 411  1620 U.P.
Drilled from 102’ to 113’. All rock. Hole finished. Now moving to DDH 412.
11 OCT 79  DDH 412  1360 ST.  1680L.
DRILLED FROM 0 TO 15' AFTER SET-UP.
ALL ROCK.

12 OCT 79  DDH 412  1360 ST.  1680L.
DRILLED FROM 15' TO 65'.  ALL ROCK.

15 OCT 79  DDH 412  1360 ST.  1680L.
HAD TO RESTART HOLE, DRILLED FROM
0' TO 27'.  ALL ROCK.  CHUCK BROKE AT
27'.  WENT TO 1620 RAISE, 1600 LEVEL,
TO INSTALL FILL PIPE.  GOT MORE
BRANDTITE FROM 1620 X-CUT.
16 Oct 79. DDH 412 1360 ST 1680 L.
Got repaired chuck at 12 o'clock.
Drilled from 27' to 40'. All rock.
Worked on 1620 Fill Pipe in A.M.
Got some Graphite Rosettes from
the Brandtite location in 1620 X-Cut.

17 Oct 79. DDH 412 1360 ST
Drilled from 40' to 68'. All rock.
Had trouble at 62'. Apparently hit
the first hole drilled from this set-up.
Explored 1660 X-Cut, 1600 Level, NADA.

18 Oct 79. DDH 412 1360 ST.
Drilled from 68' to 110'. All rock.
Checked out 1360 stope. Large grain
of black willemit seen in north end.
19 OCT 79  DDH 412  1360 ST.  1680L.
DRILLED FROM 110’ TO 135’. ALL ROCK.
HAD "GREASE SIEVE" AT 115’. TOOK 2
HOURS TO CLEAR. SCALED LOOSE IN
1520 PILLAR (W.V.) ON LUNCH HOUR.

22 OCT 79  DDH 412  1360 ST
DRILLED FROM 135’ TO 157’. ALL ROCK.

23 OCT 79  DDH 412  1360 ST
DRILLED FROM 157’ TO 180’. ORE
FROM 173’ TO 176’. EXPLORED 1680
WOLLASTONITE AREA ON LUNCH HOUR.
GOT SOME ADDITIONAL VESUVIANITE
SPECIMENS. CAN’T DRILL UNTIL CORE
BARREL IS REPAIRED.

24 OCT 79  1660 U.P.  1750 LEVEL
PULLED CHUTE, 34 CARS. HAD TO FIRE
FOUR TIMES. PUT UP DAMS FOR FILL. THIS
WAS CONTRACT PUT PILLAR PAID NO BONUS.
Started to rehabilitate access drift for 1540 U.P. Had to take down back wall of lunchroom and handmuck. Put in 8 rock bolts. A DDH is planned for this pillar. 
Explored northern ev. drift. Saw occurrence of monohydrocalcite* at @ 2500 North. Looks like yellow slime trickling out of a pivot hole in top right corner of the drift. *X-ray by Pete says only calcite

26 Oct 79. 1540 U.P. 1600 Lev.  
Made 3 connections in fill pipe to route fill to 1700 U.P. Handmucked in 1540 access drift and put in 17 rock bolts. Ground very loose, large slabs. Scaled loose in 1020 area, south end of west vein. Zincite band and sphalerite veinlets.
29 Oct 79  1540 U.P.  1600 LEV.
Put in 10 bolts and dismantled lunch room. Scaled in keel.

30 Oct 79  1540 U.P.  1600 LEV.
Slusher was on station at 7:00 A.M. Waited all day for slusher blocks and to get holes burned in skids.

31 Oct 79  1540 U.P.  1600 LEV.
Set up slusher and mucked. Drilled block holes and broke chunks with wedge pin. Scaled in keel.

1 Nov 79  1540 U.P.  1600 Level
Slushed and air shoveled 7 cars. Drilled and fired 5 block holes. Slusher and air shovel not suited to this type muck. All big chunks.
2 Nov 79  1540 U.P.  1600 LEV.
SLUSHED AND INSTALLED 18 BOLTS.
MOST BOLTS PUT IN THRU LOOSE SLABS.
Scaled in Keel Lunch Time.

5 Nov 79  1540 U.P.  1600 LEV.
SLUSHED AND INSTALLED 8 BOLTS.
SLUSHING DIFFICULT DUE TO LIGHT DUTY SLUHER AND HEAVY DUTY MUCK. Scaled in 1620 X Cut at Lunch Time. Got a graphite specimen.

6 Nov 79  1540 U.P.  1600 LEV.
SLUSHED AND AIR SHOVELLED. 9 CARS.
EXPLORED BROWN WILLEMITE ZONE AT LUNCH TIME.

7 Nov 79  1540 U.P.  1600 LEV.
SLUSHED AND AIR SHOVELLED. 5 CARS.
USED SLUHER TO PULL BIG CHUNKS OFF MUCK AILE INTO POSITION AS A PLATFORM FOR BOLTING, INSTALLED 3 BOLTS.
8 Nov 79 1540 U.P. 1600 Level

Installed 10 bolts in south side of pillar. Ground very bad. Started timbering area too bad to bolt. Scaled in keel area and scavenged steel pins on lunch time.

9 Nov 79 1540 U.P. 1600 lev.

Propped loose ground and installed whaler for spiking. Had to wait until 11:00 am to get a 6" by 6" timber for whaler. Fall of ground has resulted in enlarged drift opening into stope south of 1540 U.P.

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Diagram:

- Shaft
- Old safety exit
- North end of East V.
- Lunch room
- West V.
- Mined out
- 181
- 1540 chute
- Central Zinc Z.
- Spiking job
- 1560 st. c.
- 1580 st. c.
- 1600 st.
- 1640 st.

Raise bore came out awful close to 1560 stope. Spiled off 1560 sand Mar 31 - April 1980
12 Nov 79  1540 U.P.  1600 Level
Finished spiling and began back slushing. Slushed & bolted all week.

Nov 79  1540 U.P.  1600 Lev.
Slushed and air shovelled 5 cars.

20 Nov 79  1540 U.P.  1600 Lev.
Norm Farley cut out steel cables with torch. Slushed and air shovelled 10 cars. Mucking finished. Removed backstop. Went to 2500 N. in E.V. drift and got 5 mono hydrocalcite* specimens.

* X-ray by Pete says only calcite.

21 Nov 79  1540 U.P.  1600 Lev.
Installed 20 bolts in ribs. Job finished at last. Reinstalled fill pipe and did final cleanup.
26 Nov 79 1600 Level Station

Constructed form for cement pad on station for charger.

Got more Mono Hydrocalcite* from 2500 North in E.V. F.W. drift. Went up to 1500 level in the afternoon to repair a boulthole and a bulkhead in the old 1570 E. chute. *X-ray by Pete says only calcite

27 Nov 79 1600 Level Station

Mixed 3 bags of cement for charger pad. Hand mucked in motor shanty in preparation for installing a cement floor. When charger is moved to the station the motor shanty will be made into a lunchroom.hooked up fill pipe for 1620 U.P.
29 Nov 79  1600 Level Fill Raise
Cleaned out mud ditch in 1020 area (West Vein). Started replacing rotten planks over Fill Raise with new treated timber. Scaled loose in Gniess Zone (1020 Area) at lunch time. Saw hematite plates in Calcite & Epidote.

29 Nov 79  1600 Level Fill Raise
Finished planking over fill raise with treated timber. Removed form wood from charger pad on station.

30 Nov 79  1600 Level Station
Cleaned station. Went to 1680 Level to install rod puller for diamond drill. No mount was sent with the puller. Checked supply house, no mount. Went to 180 Level to lay tracks to 1015 stope.
3 Dec 79  1600 level station
Moved charger to station. Cleaned out motor shanty. Hand mucked and levelled floor to prepare for pouring cement. Scaled and hand mucked main drift.

4 Dec 79  1600 level new lunch room
Went to 1680 lev to install shop-made mount for rod puller. They Mickey moused it. Stood up and pinned 4'x6's for lunch room. Got a car of sand and mixed two bags of cement. Scaled near old shaft.

5 Dec 79  1600 lev. New lunch room
Mixed 7 bags of cement for floor. Started wall.
6 Dec 79  DDH 413  1680 lev.
Raised machine to 30° on same line as DDH 412. Firing in 1360 stope has loosened the ground near the drill set-up. Scaled loose. One large piece hit the platform over the 1360 South Manway, partially collapsing it. Had to jack up platform and prop it.
Drilled 0' to 5'. Calcite-cement rock.

7 Dec 79  DDH 413  1680 lev.
Drilled 5' to 40'. 7' to 13' was gneiss. Rest was white rock. Got some hetaerolite specimens from 1660 u.p. 1680 level.

10 Dec 79  DDH 413  1360 st.  1680 lev.
Drilled from 40' to 80'. All rock, scaled in old shaft area.
11 DEC 79  DDH 413  1680 LEVEL
DRILLED FROM 80' - 119'. ALL WHITE ROCK. CHECKED 1520 CROWN PILLAR AND 1660 U.P. AT LUNCH TIME.

12 DEC 79  DDH 414  1680 LEVEL
SET DRILL AT +14°. STARTED NEW HOLE ON SAME BEARING AS #412 & 413. DRILLED FROM 0' TO 37'. ALL ROCK.

13 DEC 79  DDH 414  1680 LEVEL
DRILLED FROM 37' TO 80'. ALL ROCK. TRADED HELPERS WITH NED THE HEAD.

14 DEC 79  DDH 414  1680 LEVEL
DRILLED FROM 80' TO 106'. ALL ROCK, MOSTLY GREEN AND VERY HARD. SAW ONE SQUARE YARD SLIP FACE COATED WITH HETERAROLITE XTALS IN 1660 U.P.
17 Dec 79  DDH 414  1360 St  1680 Lev.
Drilled from 106' to 120'. All rock.
Mostly green and very hard. Have to
wait for a new core barrel. Brought
4x6s to the top of 1360 South Man
way for fill fence. Pulled 1" planks
up into 1360 from 1750 level. Checked
1450 stope at lunch time. Got some
small balls of yellowish fibers. #375
Stilpnomelane? X-ray by Pete = Goethite

18 Dec 79  1360 stope  1750 level
Lowered 4x6s from 1680 level and
started working on fill fence. Got
a Bornite specimen from 1620 u.p.

19 Dec 79  1360 stope  1750 level
Pulled more 1" planks from 1750 Lev.
Finished fill fence. Needs burlap.
20 Dec 79  1360 ST 1680 Lev.
Burlapped Fill Fence. Hooked up Fill Pipe on 1680 Level.

21 Dec 79  1360 ST  1700 U.P. 1750 Lev.
Helped Fill Crew Clear, Plugged Fill Pipe. Drilled and Fired 4 Block Holes in 1700 U.P. Went back to 1680 Lev after Lunch to Clear Fill Pipe again.

26 Dec 79  1110 ST  900 Lev.
Installed 17 Rock Bolts. Drilled and Fired 10 Block Holes and Two Hangers.

27 Dec 79  1060 U.P. 500 Lev.
Drilled 210 Feet of Blast Holes.

28 Dec 79  DDH 412  1680 Lev.
Brought down New 10' Core Barrel and Reset Drill and Rod Puller to 0'→
HAD TO DRILL STEELS PAST TIGHT
SPOT AT 60 TO 70'. DRILLED FROM
180' TO 191'. ALL FRANKLIN MARBLE,
HEAVILY SHEARED. WAITED 90 MINUTES
FOR NEW CAP LAMP. SOMEONE TURNED
OFF DRILL WATER IN SHAFT AT 2 P.M.
SMELLED STENCH ALARM AT 2:30 P.M.
(FIRE DRILL). GOT 2 BORNITE SPECIMENS
FROM 1620 U.P. ONE HAD GOLD.

31 DEC 79  ODH 412  1680 LEVEL
DRILLED FROM 191 - 215', ORE FROM
197 - 215'. HAD TO WAIT UNTIL 8:20
FOR DRILL WATER. CHECKED FILL JOB
IN 1360 STOPE. IT LOOKS GOOD FROM
THE FRONT BUT THEY DID NOT GET
ENOUGH FILL UNDER THE LOOSE. SVEČZ
GAVE ME A SAMPLE OF THE YELLOW
FIBERS FROM 1450 PILLAR. WILL SEND
IT TO P. DUNN. GOETHITE
2 JAN 80  DDH 412  4#413  1680 LEVEL
DRILLED FROM 215 TO 218' IN DDH 412,
ALL ORE. HAD BIT PLUG AT 218'. HOLE FINISHED.

SET MACHINE TO +30° AND EXTENDED DDH 413 FROM 119' TO 127.5'. HAD TO REAM 70 FEET OF THE HOLE TO GET NEW CORE BARREL IN.

3 JAN 80  DDH 413  1680 LEV.
DRILLED FROM 127.5 TO 152'. ALL ROCK.
GOT A BORNITE SPECIMEN FROM 1620 U.P., A HETEROLOLITE FROM 1660 U.P., AND SVECZ GAVE ME A BARITE* FROM 935 STOPES.
*# 305

4 JAN 80  DDH 413  1680 LEV.
DRILLED FROM 152' TO 180', ALL ROCK.
GOT A BORNITE-GOLD SPECIMEN FROM 1620 U.P.
7 JAN 80  DDH 413  1680 LEV.
DRILLED FROM 180' TO 210'. ALL ROCK.
GOT A BORONITE SPECIMEN FROM
1620. U.P.

8 JAN 80  DDH 413  1680 LEV.
DRILLED FROM 210' TO 218', ALL
WHITE ROCK; SHEARED.
SET DRILL AND PULLER TO +14° FOR
DDH 414. HAD TO REAM 30' OF THE
HOLE TO GET THE NEW BARREL IN.
DRILLED FROM 120' TO 130', ALL
GREEN ROCK. GOT A NICE GOLD FROM 1620.

9 JAN 80  DDH 414  1680 LEV.
DRILLED FROM 130' TO 155'. ALL
GREEN ROCK AND BAD GROUND FOR COREING.
HAD 5 BIT PLUGS. STEVE NOVAK GAVE
ME SOME 1660 FRIEDELITE.
10 JAN 80  DDH 414  1680 LEV.
DRILLED FROM 155' TO 180'. ALL ORE AND POOR GROUND FOR CORING.

11 JAN 80  DDH 414  1680 LEV.
DRILLED FROM 180' TO 197'. ALL ORE AND POOR GROUND FOR CORING. HAD 5 BIT PLUGS. GOT SOME BORNITE FROM 1630 U.P.

14 JAN 80  DDH 414  1680 LEV.
DRILLED FROM 197' TO 205'. ORE TO 203'. GREEN ROCK LAST 2 FEET. BEARING FAILED IN NEW 10' CORE BARREL. MOVED DRILL AND TOOLS AWAY FROM MANWAY AS 1360 STORP IS READY TO FIRE.
15 JAN 80  1700 U.P.  1750 LEVEL
SLUSHED AND USED WEDGE PINS TO BREAK CHUNKS. PULL & TAIL ROPES BROKE OFF BUCKET AND IT WENT DOWN THE CRIB TO 1850 LEVEL. BROKE IT DOWN AND BROUGHT IT BACK UP TO 1750 ON THE CAGE.

16 JAN 80  1700 U.P.  1750 LEV
SLUSHED AND HAND MUCKED. SAW 1450 PILLAR AT LUNCH TIME.

17 JAN 80  1700 U.P.  1750 LEV
INSTALLED TWO SQUARE SETS AND DRILLED & FIRED 2 BLOCK HOLES. GOT A SULPHIDE VEIN SPECIMEN FROM THE NORTH END OF THE EAST VEIN.

18 JAN 80  1360 STOPE  1650 LEV.
REPAIRED NORTH MANWAY COVER AND GOT TIMBER TO REPAIR SOUTH MANWAY COVER. DAMAGE DUE TO BLAST CONCUSSION.
21 JAN 80  DDH 415  +9°  1680 LEV.
REBUILT SOUTH MANWAY COVER
FOR 1360 STOPE. SET UP DRILL. DRILLED
FROM 0' TO 20'. ALL ROCK. BROUGHT
HOME A BLEACHED BLACK WILLEMITE
SPECIMEN FROM 1580 U.P. 50' TO 1600 LEV.

22 JAN 80  DDH 415  1680 LEV.
DRILLED FROM 20' TO 80'. ALL ROCK.
GOT SOME BORNITE FROM 1620 U.P.

23 JAN 80  DDH 415  1680 LEV.
DRILLED FROM 80' - 114'. ALL GREEN
ROCK AND VERY HARD. GOT SOME BORNITE
FROM 1620 U.P.

24 JAN 80  DDH 415  1680 LEVEL
DRILLED FROM 114' TO 138.5'. ALL ROCK,
MOSTLY GREEN, AND VERY HARD. GOT SOME
BORNITE - GOLD FROM 1620 U.P.
25 JAN 80  DDH 415  1680 LEV.
DRILLED FROM 138.5' TO 165'. ALL ROCK, MOSTLY GREEN, AND HARD. CORE LIFTER BROKE AT 165'. GOT SOME MORE BORNITE FROM 1620 U.P.

28 JAN 80  DDH 415  1680 LEV.
DRILLED FROM 165'-190', ALL ROCK. 165'-177' CALCITE & HEMATITE. 177'-190' PYROXENE? IN CALCITE. GOT MORE 1620 BORNITE.

29 JAN 80  DDH 415  1680 LEV.
DRILLED FROM 190' TO 215'. HOLE DONE. ALL ROCK. WATER PISTOL BROKE.

30 JAN 80  DDH 416  1680 LEV.
MADE TEMPORARY REPAIR OF WATER PISTOL. DRILLED FROM 0' TO 30'. ALL ROCK.
31 Jan 80  DDH 416  1680 Lev.
Drilled from 35’ to 75’, all Rock.
Got more Bornite from 1620.

1 Feb 80  DDH 416  1680 Lev.
Drilled from 75’ to 110’, all Rock. Secured drill site for two week shut-down (vacation). Got an alactite specimen from 1660 U.P.
This is the first arsenate I’ve seen in 1660, #491

18 Feb 80  DDH 416  1680 Lev.
Drilled from 110’ to 140’. All green rock.

19 Feb 80  DDH 416  1680 Lev.
Drilled from 140’ to 153’. All rock. Drill broke at 153’. Sent it to shop. Sent to 1450 pillar on 1750 Lev. To muck with Cavao.