17 Mar 92  180 Level
Drilled holes and wedged out diopside. Put another pail full on the station.

18 Mar 92  180 Level
Wedged out diopside in the gravity tram. Put a pail of calcite on the station. Scaled loose in 900 W. stope.

20 Mar 92  180 Level
Drilled holes and wedged out diopside.

23 Mar 92  180 Level
Drilled holes and wedged out more diopside.

24 Mar 92  180 - 430 - 340
Moved the drill and tools farther west in the gravity tram. Will be testing a possible corundum location. Went to 430 to check on conditions. The water level is nine rungs down the safety exit. The mud zone and fill show no major changes. The fill in the north end of 340 is gone to a great extent.
25 MAR 92  180 LEVEL
DRILLED HOLES IN THE GRAVITY TRAM AND WEDGED OFF CHUNKS OF ROCK. WAS LOOKING FOR CORUNDUM. DID NOT FIND ANYTHING GOOD.

27 MAR 92  180 LEVEL
MOVED DRILL AND TOOLS BACK TO THE POWELLITE AREA. SET UP FOR DRILLING. DUG THRU LOOSE MUCK AT THE SOUTH END OF 1015 STOPE.

30 MAR 92  180 LEVEL
DRILLED HOLES AND WEDGED OFF PIECES IN THE POWELLITE AREA. THE OBJECT IS URANINITE.

31 MAR 92  180 LEVEL
DRILLED HOLES IN THE GRAVITY TRAM AND WEDGED OFF PIECES. LOOKING FOR POWELLITE AND URANINITE.

1 APR 92  180 LEVEL
USING HOLES FROM YESTERDAY I WEDGED OFF MORE POWELLITE AND URANINITE. CHECKED OUT 1015 STOPE FOR GROUND MOVEMENT. IT'S MOVING BUT NOT REVEALING ANYTHING GOOD.
3 APR 92  180 LEVEL
DRILLED MORE HOLES IN THE
GRAVITY TRAM AND WEDED OUT
ROCK. I HOPE IT CONTAINS
POWELLITE AND/OR URANINITE.

6 APR 92  180 LEVEL
WEDED OUT MORE ROCK. STEVE
AND EARL CAME DOWN AND I GAVE
THEN A TOUR ON 180 LEVEL. BROUGHT
HOME A PIECE OF MAGNESIOHASTINGSITE.

7 APR 92  180 LEVEL
DRILLED HOLES AND WEDED OUT
PIECES OF ROCK. STEVE USED A
DETECTOR TO FIND URANINITE AND
MARKED A FEW SPOTS.

8 APR 92  180 LEVEL
DRILLED HOLES BEHIND THE SPOTS
THAT STEVE MARKED AND WEDED
OFF PIECES.

10 APR 92  180 LEVEL
WEDED OFF ALL I COULD GET WITH
THE HOLES THAT WERE LEFT. DUG THRU
LOOSE MUCK AT THE SOUTH END OF
1015 STOPE. FOUND A BROWN PLATY
MINERAL.
13 APR 92  180 LEVEL
MOVED THE AIR AND WATER MANIFOLDS DOWN TO 935 RAISE. MOVED DRILLING GEAR TO THE HANGING WALL DRIFT ABOVE THE GRAVITY TRAM. WILL BE DRILLING FOR AMPHIBOLE XLS. DUG THRU LOOSE MUCK AT THE SOUTH END OF 1015 STORE.

14 APR 92  180 LEVEL
USED A REAMER BIT TO DRILL A HITCH AROUND A PATCH OF AMPHIBOLE XLS. THE END BROKE ON THE SPECIAL STEEL FOR THE REAMER BIT. NOW I CAN DRILL A 2.5" HOLE WITHOUT DRILLING A GUIDE HOLE.

15 APR 92  180 LEVEL
DRILLED HOLES AND TRIED WEDGING OUT AMPHIBOLE XLS. NOT MUCH LUCK WITH THEM BUT THE SAME PIECE OF ROCK CONTAINED NICE GRAPHITE AND PYRITE.

17 APR 92  180 LEVEL
DRILLED HOLES AND WEDGED OUT ROCK. GOT A FEW PIECES OF GRAPHITE. DRILLED SOME HOLES AT THE H/W CONTACT OF THE EAST VEIN. THE WILLEMITE IS TRIBOLUMINESCENT.
20 APR 92  180 LEVEL
USING HOLES THAT WERE DRILLED ON FRIDAY I WEDGED OUT MORE ROCK. SOME WAS MARBLE BUT MOST WAS ORE AT THE HANGING WALL CONTACT.

21 APR 92  180 LEVEL
DRILLED HOLES AND WEDGED OUT ROCK. IT CONTAINED GRAPHITE AND SULPHIDES, HAD TO CUT A HITCH WITH THE REAMER.

22 APR 92  180 LEVEL
DRILLED HOLES AND WEDGED OFF ORE AND ROCK.

24 APR 92  180 LEVEL
WEDGED OFF ORE ALONG THE H/W CONTACT. DUG THRU LOOSE MUCK SOUTH OF 1015 STOPE.

27 APR 92  180 LEVEL
DRILLED HOLES AND WEDGED OFF ORE AT THE H/W CONTACT.

28 APR 92  180 LEVEL
DRILLED HOLES AND WEDGED OUT ORE AT THE H/W CONTACT.
29 APR 92  180 LEVEL
WEDGED OFF A FEW MORE PIECES OF ORE. GOT ANOTHER WATER HOSE AND SPRAY WASHED WALLS IN THE OLD STOPE AND THE ROCK DUMP DRIFT.

1 MAY 92  180 LEVEL
FINISHED WASHING WALLS IN THE OLD STOPE. SCALED A LARGE FLYING SAUCER OFF THE FOOTWALL. DUG THRU LOOSE MUCK IN 900 W. STOPE. FOUND A COPPER STAINED PIECE.

4 MAY 92  180 LEVEL
MOVED THE DRILL BACK DOWN TO THE GRAVITY TRAM. GOT A DIOPSIDE FROM THE H/W DRIFT THAT GOES TO THE ROCK DUMP. STARTED DIGGING AT A SPOT THAT MIGHT BE ANOTHER RAISE TO THE SUB-LEVEL BELOW 180.

5 MAY 92  180 LEVEL
SET UP TO DRILL IN THE GRAVITY TRAM. DRILLED HOLES IN THE EAST VEIN AND WEDGED OFF PIECES OF ORE.
6 MAY 92  180 LEVEL
DRILLED HOLES IN THE EAST VEIN AND
WEDGED OFF PIECES OF ORE.

7 MAY 92  180 LEVEL
DRILLED HOLES IN THE EAST VEIN
AND WEDGED OUT CHUNKS OF ORE.

11 MAY 92  180 LEVEL
DRILLED HOLES IN THE GRAVITY
TRAM AND WEDGED OFF CHUNKS OF
ROCK. FINISHED EXPOSING THE
EAST VEIN. WORKED ON A SPOT AT
THE NORTH END OF THE CENTRAL
CORE. BOB HAS STARTED USING HIS
DOZER TO REARRANGE THE SINKING
MUD ZONE.

12 MAY 92  180 LEVEL
DRILLED HOLES IN THE GRAVITY TRAM
AND WEDGED OUT PIECES OF ROCK.
GOT SOME COPPER BEARING CALCITE
NEAR THE E.V. F/W CONTACT. EXPOSED
A LITTLE OF THE BROWN WILLEMITE ZONE.
13 APR 92  180 LEVEL
MOVED DRILLING GEAR TO THE
POWELLITE AREA AND SET UP. DID
SOME HAND MUCKING IN THE OLD
SUB-LEVEL BELOW 180. HOOKED
UP A WATER HOSE IN 900W. STOPE.
DID SOME WASHING IN THE SINKING
GROUND.

15 MAY 92  180 LEVEL
DRILLED HOLES AND WEDGED OFF
PIECES OF ROCK. HOPEFULLY THERE
IS URANIUMITE AND POWELLITE IN
IT. ATTACHED A HACKSAW TO A
LONG PIECE OF WOOD AND CUT DOWN
A LARGE CHANDELIER IN 900W. STOPE.

18 MAY 92  180 LEVEL
WEDGED OFF MORE ROCK AT THE
POWELLITE AREA. WASHED THE LOOSE
MUCK IN 900W. AND 1015 STOPE.

19 MAY 92  180 LEVEL
DRILLED HOLES AND WEDGED OUT MORE
ROCK IN THE GRAVITY TRAM.
20 MAY 92  180 LEVEL
DRILLED HOLES AND WEDGED OFF PIECES OF ROCK IN THE GRAVITY TRAM. GOT SAMPLES OF A GREEN, CRYSTALLIZED MINERAL THAT MIGHT BE MAGNESIO HASTINGSITE.

21 MAY 92  180 - 340
DRILLED HOLES IN THE GRAVITY TRAM AND WEDGED OFF ONE PIECE. INSTALLED A ROCK BOLT. BROTHER DENNIS BROUGHT A CAM-CORDER DOWN AND TAPE D THE OPERATION. WE HIRED AROUND 180 AND 340 TAPING VARIOUS SCENES.

22 MAY 92  180 LEVEL
WEDGED OUT PIECES OF ROCK THAT STEVE MISIOR HAD MARKED AS URANINITE. HAD TO DRILL A SLOT WITH THE REAMER Bit TO GET IT TO BREAK.

25 MAY 92  180 LEVEL
DRILLED HOLES IN THE GRAVITY TRAM AND WEDGED OFF PIECES OF ROCK. IT CONTAINS POWELLITE AND MAYBE URANINITE.
26 MAY 92  180 LEVEL
COULD NOT START THE COMPRESSOR,
WEDGED OFF ROCK IN THE GRAVITY
TRAM BY USING PREVIOUSLY DRILLED
HOLES. STEVE GOT THE COMPRESSOR
GOING AT 11:30 AND I DRILLED A
FEW MORE HOLES.

27 MAY 92  180 LEVEL
DRILLED HOLES AND WEDGED OFF ROCK
IN THE GRAVITY TRAM.

29 MAY 92  180 LEVEL
DRILLED HOLES AND WEDGED OUT
PIECES OF ROCK IN THE GRAVITY
TRAM.

1 JUN 92  180 LEVEL
USED WEDGES ON THE REST OF THE
HOLES I HAD DRILLED AT THE
POWELLITE SITE. THAT AREA IS DONE.
CHISELLED OFF SOME SALMON CALCITE
AT THE HANGING WALL CONTACT OF
THE BROWN WILLEMITE ZONE.
2 JUN 92  180  LEVEL
MOVED DRILLING GEAR FROM THE
GRAVITY TRAM TO 920 X-CUT.
WILL BE WORKING ON FUCHSITE.
cut down a chandelier in 900 W
STOPE. CHECKED OUT 1015 STOPE.
there seems to be a lot more
Dirt in it. Roots and branches
were also seen.

3 JUN 92  180 - 340
FOUND A BROKEN WATER PIPE ON
340. THE VALVE ON THE STATION
COULD NOT BE TURNED OFF. HAD TO
DISCONNECT A VICTAULIC ON 180
STATION AND CAP THE SHAFT WATER
MAIN. SET UP TO DRILL IN 920
X-CUT BUT HAD TO WAIT UNTIL
STEVE GOT THE COMPRESSOR BACK ON.
USeD THE REAMER BIT TO DRILL A
SLOT NEXT TO THE FUCHSITE AND
WEddGED OFF A FEw PIECES.
5 JUN 92
180 LEVEL
DRILLED HOLES IN 920 X-CUT AND WEDGED OUT "FUCHSITE" SAMPLES. MOVED THE DRILL TO 900W STOPE. DRILLED A HOLE BEHIND A COPPER-STAINED BAND OF ORE AND WEDGED OUT SAMPLES. LOOKS LIKE IT CONTAINS CHALCOCITE. MOVED THE DRILL BACK TO 920 X-CUT. USED THE REAMER BIT TO DRILL PART OF A RELIEF SLOT NEXT TO THE "FUCHSITE".

8 JUN 92
180 LEVEL
FINISHED THE RELIEF SLOT AROUND THE LENS OF FUCHSITE AND WEDGED OUT TWO LARGE PIECES. DRILLED THREE HOLES AND WEDGED OUT SOME ROCK FROM A GRAPHITE/PYRITE BAND.

9 JUN 92
180 LEVEL
REMOVED A ROOF BOLT, DRILLED A HOLE AND WEDGED OFF A LARGE PIECE OF ORE IN 920 X-CUT. DRILLED HOLES IN THE WEST VEIN F/W AND WEDGED OFF PIECES OF ZINCITE.
10 Jun 92 180 Level
The old fill & chute and sets in 820 x-cut collapsed overnight. 820 x-cut is now full of fill and the water that used to run thru it now flows into 800 stope. The fill raise is hung up about 40' above 180. Drilled holes in the west vein F/W and wedged off pieces of zincite. See 22 Jun 92.

12 Jun 92 180 Level
Drilled holes in the west vein footwall and wedged off pieces of zincite. From time to time during the morning rocks could be heard falling down 820 fill raise.

15 Jun 92 180 Level
Drilled holes in the west vein footwall and wedged out chunks of zincite. 820 fill raise seems to have stabilized.

16 Jun 92 180 Level
Drilled holes and wedged off chunks of zincite. When Bob went to 340 on Sunday he saw that a surge had put a lot of water on the level.
17 JUN 92  180 LEVEL
 USING HOLES THAT WERE DRILLED
 YESTERDAY I WEDGED OFF MORE
 ZINCITE.

18 JUN 92  180 - 340
 DRILLED HOLES AND WEDGED ORE AND
 ROCK OFF THE F/W CONTACT. GOT A BIG-
 SLAB THAT SHOWS FLUORESCENT NORBERGITE
 IN NON-FL. CALCITE IN CONTACT WITH
 RED FL. CALCITE. WALKED DOWN TO 340
 FOR A LAST LOOK, WATER IS ONE FOOT
 DEEP IN OLD SHAFT AREA. NONE OF THE
 AREAS I GOT TO SHOWED ANY SIGN OF
 SUBSIDING. I COULD SEE THAT A SURGE
 HAD COME UP THE MAIN SHAFT AND PUT
 A GOOD FLOW OF WATER THRU THE
 DRIFTS AND CROSSCUTS.

22 JUN 92  180 LEVEL
 DRILLED HOLES AND WEDGED OUT CHUNKS
 OF ZINCITE. WENT OUT TO LOOK AT WORK
 IN PROGRESS ON THE NORTH-EAST CORNER
 OF THE PASSAIC PIT. SAW THAT A HOLE IS
 APPEARING AT THE TOE OF THE NORTH SIDE
 OF THE CAUSEWAY ACROSS THE PIT. THIS
 MAY BE THE TOP OF 820 FILL RAISE.

SEE 10 JUN 92

23 JUN 92  180 LEVEL
WEDGED OFF PIECES OF ZINCITE ORE.
CHECKED OUT 820 FILL RAISE. THE
AREA ABOVE 820 X-CUT IS NOW
TIGHTLY FILLED.

24 JUN 92  180 LEVEL
DRILLED HOLES AND WEDGED OFF
PIECES OF ZINCITE ORE, USED THE
REAMER BIT TO DRILL A RELIEF SLOT.
ALSO USED THE REAMER BIT TO KNOCK
OFF A HEAVY CRUST THAT MASKS THE ORE
AT THE NORTH END OF THE WEST VEIN.
ON THE SURFACE THE REDISTRIBUTION OF
DIRT AT THE NORTH EAST END OF THE
PASSAIC PIT WAS FINISHED TODAY. LARGE
BOULDERS WERE DUMPED ON TOP OF 820
FILL RAISE. LOCATIONS FOR GALENA,
GAUHETE XLS AND GARNET XLS WERE FOUND
DURING THE WORK.

25 JUN 92  180 LEVEL
WEDGED OUT PIECES OF ORE FROM
THE WEST VEIN. EXPOSED THE NORTH
END OF THE ZINCITE BAND. SAW
THE GALENA LOCATION ON THE SURFACE.
IT IS IN THE NORTH END OF THE
CENTRAL CORE AT THE MARGIN OF THE
MUD ZONE.
26 JUN 92  180 LEVEL
DRILLED HOLES AND WEDGED OUT
CHUNKS OF ORE FROM THE WEST
VEIN F/W. GOT THE NORTH END OF
THE VEIN EXPOSED TO ITS CONTACT
WITH THE F/W SHEAR.

27 JUN 92  SURFACE
GOT A DRILL AND WEDGES FROM
180 LEVEL. DRILLED HOLES AND
WEDGED OUT A 20" X 20" HOLE IN
A CONCRETE WALL IN THE OLD MILL
RUINS. IT IS NEEDED FOR A ROAD
DRAIN PIPE.

29 JUN 92  180 LEVEL
WEDGED OUT PIECES OF ORE NORTH
OF 920 X-CUT. MOVED THE DRILL TO
THE 840 AREA IN THE WEST VEIN
DRIFT.

30 JUN 92  180 LEVEL
DRILLED HOLES AND WEDGED OUT WEST
VEIN ORE IN THE 840 AREA. THE F/W
ZINCRITE BAND IS VERY RICH THERE.
3 JUL 92  180 LEVEL
Drilled holes and wedged off chunks of zincite at 840 North in the West Vein.

4 JUL 92  SURFACE
Stopped by the mine to see 13K. He was not there. Wound up helping Bob and Steve dig out a couple hundred pounds of galena, etc.

6 JUL 92  180 LEVEL
Wedged off chunks of ore at 840 N. It contained a lot of sphalerite.

7 JUL 92  180 LEVEL
Drilled holes and wedged off pieces of ore at 840 N. Tried a hole a little farther north. Might be yellow zincite there.

8 JUL 92  180 LEVEL
Wedged off chunks of zincite ore at 840 N. Found some yellow zincite but it does not fluoresce.
10 JUL 92
180 LEVEL
DRILLED HOLES AND WEDGED OFF
PIECES OF ZINCITE ORE. FROM A
YELLOW ZINCITE LOCATION. SAW SOME
NICE GALENA AND CERUSSITE. BOB AND
STEVE DUG IT OUT LAST NIGHT.

13 JUL 92
180 LEVEL
DRILLED MORE HOLES AND WEDGED
OUT ZINCITE ORE AT THE YELLOW
ZINCITE LOCATION. BOB USED HIS
EXCAVATOR TO TEAR OUT SOME VERY
LARGE BOULDERS AT THE GALENA
LOCATION OVER THE WEEKEND.

15 JUL 92
180 LEVEL
MOVED THE DRILL AND TOOLS DOWN
THE LADDER TO THE INCLINE.
DRILLED HOLES AND WEDGED OUT ZINCITE
ORE AT ANOTHER EXPOSURE OF THE
YELLOW ZINCITE VEINLET. THIS STUFF
DOES FLUORESCENCE. DRILLED TWO DRAIN
HOLES TO ELIMINATE THE WATERFALL.
Disseminated ore

Zincite band

Yellow zincite

F/W shear → North

16 Jul 92  180 Level
Finished wedging out the holes I drilled yesterday. Got a pick and shovel and dug out loose muck that was built up in front of the work area. Drilled five more 7' holes. Showed Bernie various interesting sights around the level.

17 Jul 92  180 Level
Wedged out zincite using the holes that were drilled yesterday. Hit some better yellow zincite. Will have to drill a relief slot.
20 JUL 92  180 LEVEL
DRILLED MOST OF A BIG RELIEF SLOT UNDER THE ZINCITE BAND.
WEDGED OUT A FEW PIECES. SHOWED BOB JENKINS A FEW SITES AROUND THE LEVEL.

21 JUL 92  180 LEVEL
DRILLED MORE OF THE RELIEF SLOT WITH THE REAMER BIT. DRILLED FOUR 7' STRIP HOLES AND A FEW SHORT ONES. WEDGED OFF PIECES OF ZINCITE. GOT SOME DECENT YELLOW ZINCITE.

22 JUL 92  180 LEVEL
DEEPENED AND LENGTHENED THE RELIEF SLOT. DRILLED ANOTHER 7' STRIP HOLE. WEDGED OUT MORE ZINCITE. GOT SOME NICE YELLOW ZINCITE.

23 JUL 92  180 LEVEL
LENGTHENED THE RELIEF SLOT TOWARD THE NORTH. DRILLED SOME SHORT STRIP HOLES TO GET THE NORTH END OF THE STRIP AREA TO BREAK. WEDGED OFF MORE ZINCITE. GOT THE BEST YELLOW ZINCITE TO DATE.
27 Jul 92  1/80 Level
Deepened the relief slot and drilled a 7' strip hole. Wedged off some zincite ore. Am trying to open up the zone to get at the yellow zincite better.

28 Jul 92  1/80 Level
Deepened and lengthened the relief slot. Cut it off at the north end. Drilled a 7' strip hole. Wedged off more zincite ore. Hit another yellow lens.

29 Jul 92  1/80 Level
Wedged out more zincite ore. Got yellow zincite from two lenses.

30 Jul 92  1/80 Level
Deepened the relief slot. It is tough going because the holes get bent. That makes it hard to get the guide pipe into and out of the holes. Wedged off more ore. Got a few yellow zincites.
31 JUL 92  180 LEVEL
WEDGED OUT ORE USING THREE 7' HOLES ALONG THE TOP MARGIN OF THE ZINCITE BAND. FINISHED WEDGING OUT TWO HOLES AT THE BOTTOM MARGIN. GOT MORE YELLOW ZINCITE.

3 AUG 92  180 LEVEL
USED THE REAMER BIT TO DRILL A SLOT ALONG THE TOP OF THE ZINCITE BAND. DRILLED SOME SHORT HOLES BETWEEN THE TOP AND BOTTOM SLOT. BEGAN WEDGING OUT THE ZINCITE BAND IN BIG CHUNKS.

4 AUG 92  180 LEVEL
DRILLED SOME SHORT HOLES AND WEDGED OUT MORE OF THE ZINCITE BAND. GOT MORE YELLOW ZINCITE. DRILLED ANOTHER 7' STRIP HOLE.

5 AUG 92  180 LEVEL
WEDGED OFF CHUNKS OF ZINCITE ORE. GOT SOME YELLOW ZINCITE.
7 Aug 92  180 Level
Set up a drill on the station and drilled five strip holes. There are some kind of silicates I want to check out. Moved the 800 stop drill back up the ladder and drilled some holes needed by Steve and Jenkins. Checked out 1015 and 900W stopes. The subsided area is quiet, as it has been for months.

10 Aug 92  180 Level
Wedged off pieces of Franklin marble on the station. Drilled three more strip holes. Drilled some holes in the west vein H/W at 840N. Wedged out some ore, this is an area that Jenkins wants to map.

11 Aug 92  180 Level
Drilled holes and wedged out pieces of ore in the H/W zone. It looks like East Branch ore.

Steve Witchell flew H/W mine quietly.
Came down and I showed him around.
12 Aug 92  180 Level
WEDGED OUT ORE NEAR THE W/V H/W. IT CONTAINED SOME NICE SPHALERITE.
WALKED AROUND THE LEVEL SCALING OFF PIECES OF ROCK. WAS LOOKING FOR NEW AREAS OF INTEREST.

14 Aug 92  180 Level
WAITED FOR 4 MEn TO ARRIVE FROM THE STATE GEOLOGICAL SURVEY. WHEN THEY GOT HERE STEVE AND I SHOWED THEM THE OPEN PIT. THEN BERNIE AND I SHOWED THEM AROUND 180 LEVEL.
MONDAY-TUESDAY-WEDNESDAY, HELPED EWALD ON A NEW HOT WATER BASEBOARD HEAT SYSTEM IN THE MARSHALL HOUSE.

21 Aug 92  180 Level
WEDGED OUT SOME FRANKLIN MARBLE ON THE SHAFT STATION. NOTHING GOOD WAS FOUND. DISMANTLED THE ONE INCH WATER PIPE IN THE LOWER END OF THE GRAVITY TRAM. MOVED MOST OF IT TO THE WEST VEIN DRIFT ABOVE 800 STOPE.
STEVE MITCHELL FROM N.J. MINE SAFETY CAME DOWN AND I SHOWED HIM AROUND.
Monday-Tuesday worked with Ewald in the Marshall house.

26 Aug 92 180 level
added another pipe to the new water line and washed walls above 800 stope. Steve and Earl were on 180 working on geology.

27 Aug 92 Surface
went to the mine in the afternoon to discuss the old mine geology maps with a visiting geology student. Concentrated on wollastonite areas.

28 Aug 92 180 level
washed walls in the west vein south of 800 stope. Saw some garnet.

30 Aug 92 180 level
the northeast corner of the Passaic pit subsided at 5:30 am yesterday. Bob and me went to 180 today to look for changes. We did not see any changes. We did hear a short rock slide south of 1015 stope.
31 Aug 92
180 LEVEL
Added another hose and washed farther south in the west vein. The hanging wall is fluorescent calcite with disseminated Franklinite. Explored in the east vein. The hole in the Passaic pit enlarged a little to the south overnight.

2 Sep 92
Noble pit extended one of last year's holes. Was looking for a Gneiss-Marble contact, did not find it.

3 Sep 92
180-240
Dennis brought his video cam today. I put in a roof bolt and drilled some strip holes in the west vein drift above 800 stop, that was taped and we walked around the level taping various sites. Went to the north end of 240 level and got the aluminum ladder that I was using there.
4 SEP 92  150 LEVEL
USED THE HOLES I DRILLED YESTERDAY TO WEDGE OUT ORE. WENT TO 150 LEVEL AND STARTED DRILLING HOLES BY HAND TO CLimb THE E.V. F/W IN THE OLD SHAFT AREA.

8 SEP 92  150 LEVEL
CONTINUED SINGLE JACKING HOLES TO CLIMB THE E.V. F/W IN THE OLD SHAFT AREA. NOTICED THAT FILL ALONG THE H/W IN 10/15 STOPE IS SUBSIDING.

9 SEP 92  150 LEVEL
FINISHED THE SECOND PIN HOLE AND MOVED THE LADDER UP. WENT TO THE PIERCE SHAFT AND GOT THE CHAIN I HAD BEEN USING TO GET TO 240 LEVEL. FOUND AN OLD LIGHT BULB ON THE PILLAR JUST NORTH OF THE OLD SHAFT STATION, IT HAS PROPERTY OF N.J.Z. CO. PRINTED ON IT.

10 SEP 92  150 LEVEL
WORKED ON THE THIRD HOLE, HIT SOLID ORE. LOOKED FOR ANTIQUE ELECTRIC GEAR AROUND THE OLD SHAFT.
11 SEP 92

150 Level

Finished the third hole. Moved the ladder up. Started fourth hole. Walked around the level scrounging steel pins and a short drill steel.

28 SEP 92

180 Level

Finished the fourth hole and moved the ladder up. Explored the North end of the stopes. Checked out 1015 and 900 w. stopes. No sign of movement in the past two weeks.

30 SEP 92

Surface

Started a new test hole. Looking for wollastonite. Broke a shovel. Had to walk to the adit to get a replacement.

1 OCT 92

Surface

Dug further in the new hole. Hit gneiss at eight feet. Hopefully the contact is close.
2 Oct 92  Surface
Told Steve Sanford to the open
pit to photograph fringed
Gentians. He showed me where
he and Gouger found Jefferson-
tite xls in the Noble mine.
Wantage excavating started
filling the hole in the mud zone.

5 Oct 92  Surface
Dug more in the new hole. Still
looking for the contact. Wantage
finished filling the hole in the
mud zone. About 6,000 yards of fill
went into the hole.

7 Oct 92  150 Level
Drilled the fifth hole. Moved
the ladder up and drilled the
sixth hole. It is at the bottom
of the "L" shaped pillar. Checked
out 1015 and 900 W. stopes. No sign
of any rock movement. Some of the
fill from the surface ran into 1015.
8 Oct 92  150 - 180
Attached a long chain to a pin in hole #6. Used the chain to swing north and south across the slope. Discovered the remains of a narrow slide running down the middle of the slope. There is a lot of loose muck under and around the slide. Picked up two nice pieces of zincite ore. Picked up two old forged iron tools. Started clearing out drilling gear in the west vein drift above 800 stope.

12 Oct 92  180 Level
Worked with Steve M. in the gravity tram. I drilled holes in the east vein and we wedged off samples. Steve marked them for location and orientation.

13 Oct 92  180 Level
Steve and I worked in the gravity tram. Drilled and wedged off pieces in the east vein and footwall. Collected many dufette specimens.