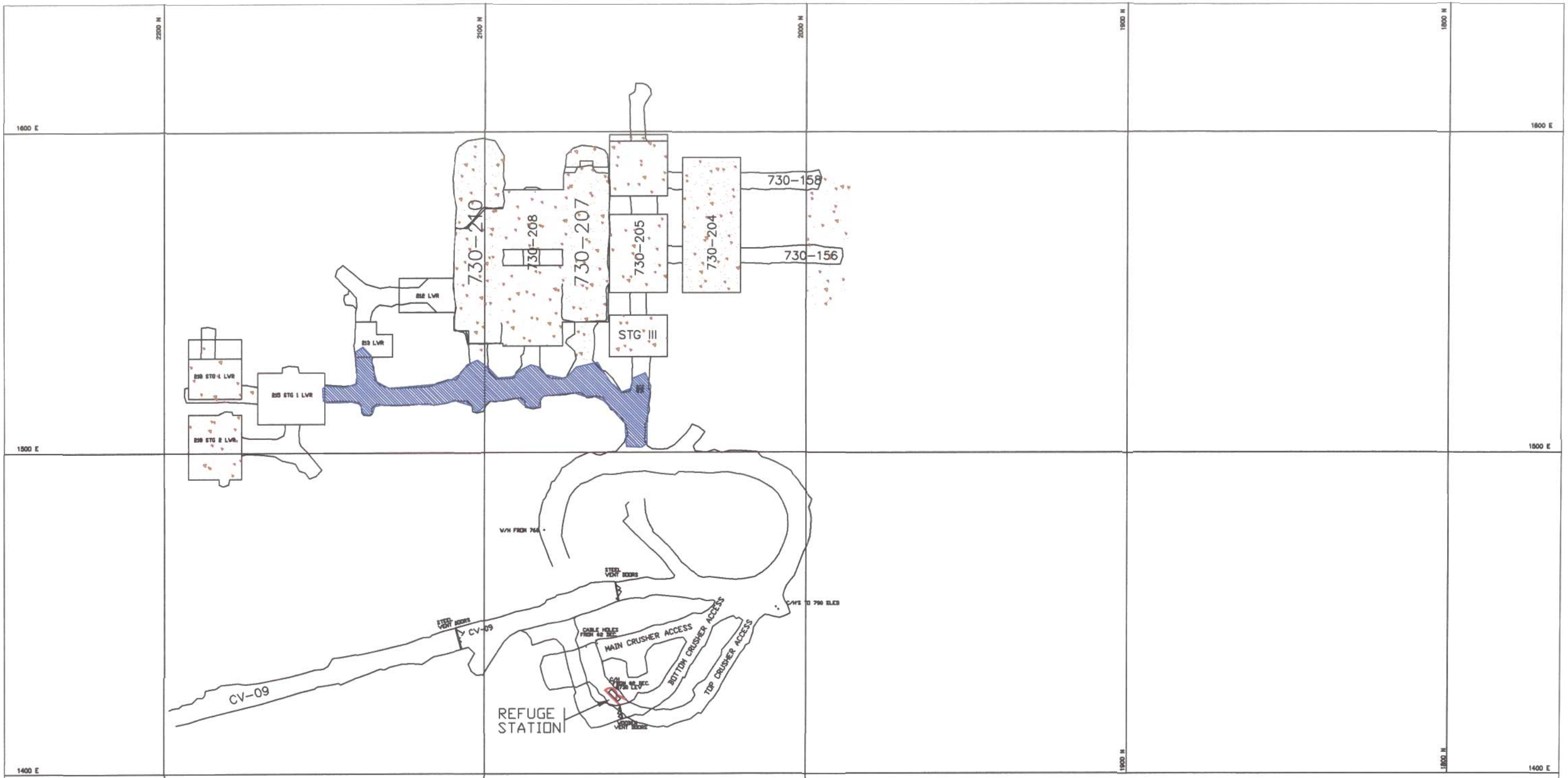
APPENDIX E

PLACEMENT OF

METALS & HYDROCARBON CONTAMINATED WASTES

UNDERGROUND IN THE MINE



MATERIALS PLACED UNDERGROUND

NORMAL MINE BACKFILL FROM OPERATIONS

METALS CONTAMINATED SOILS

HYDROCARBON CONTAMINATED SOILS

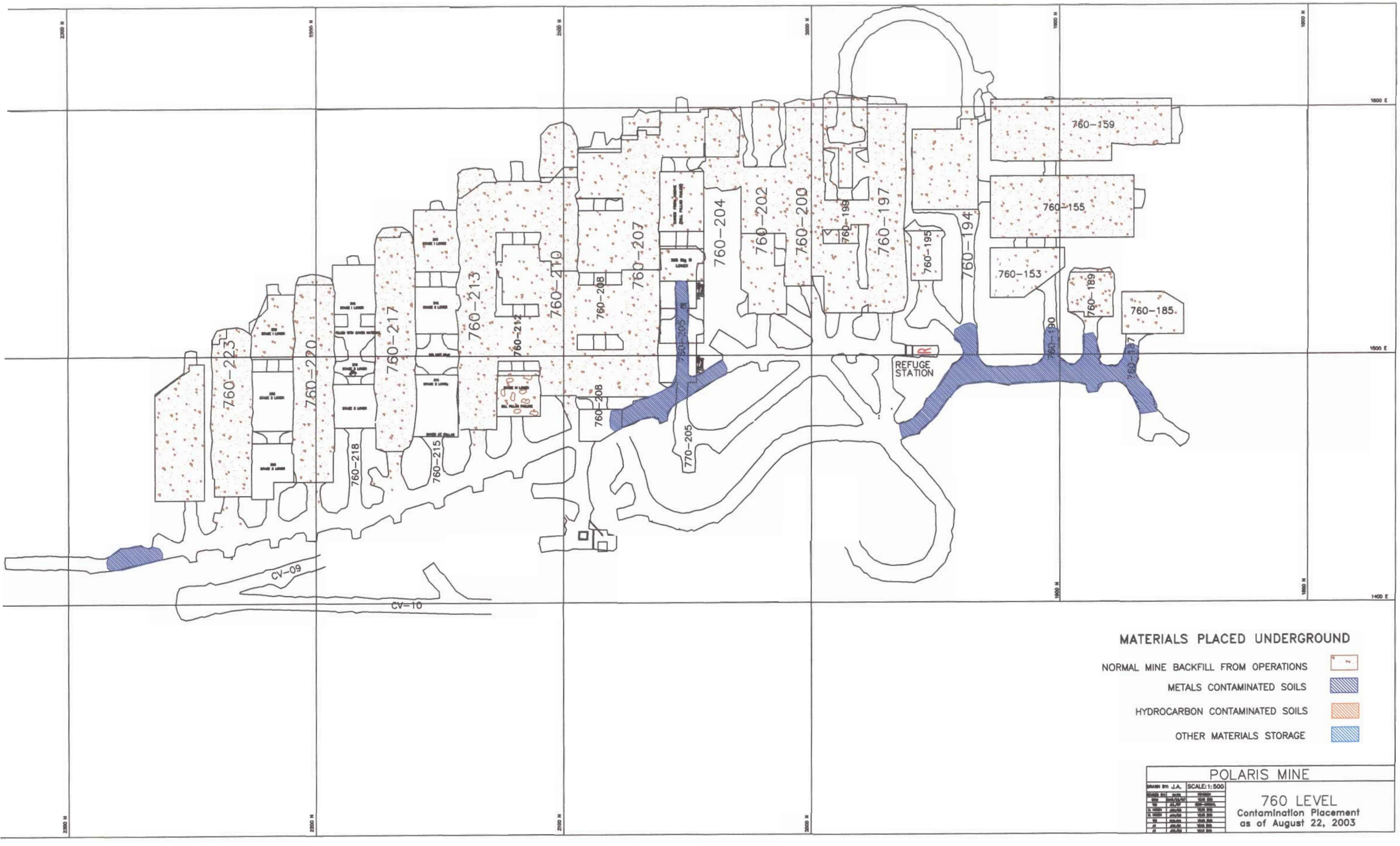
OTHER MATERIALS STORAGE

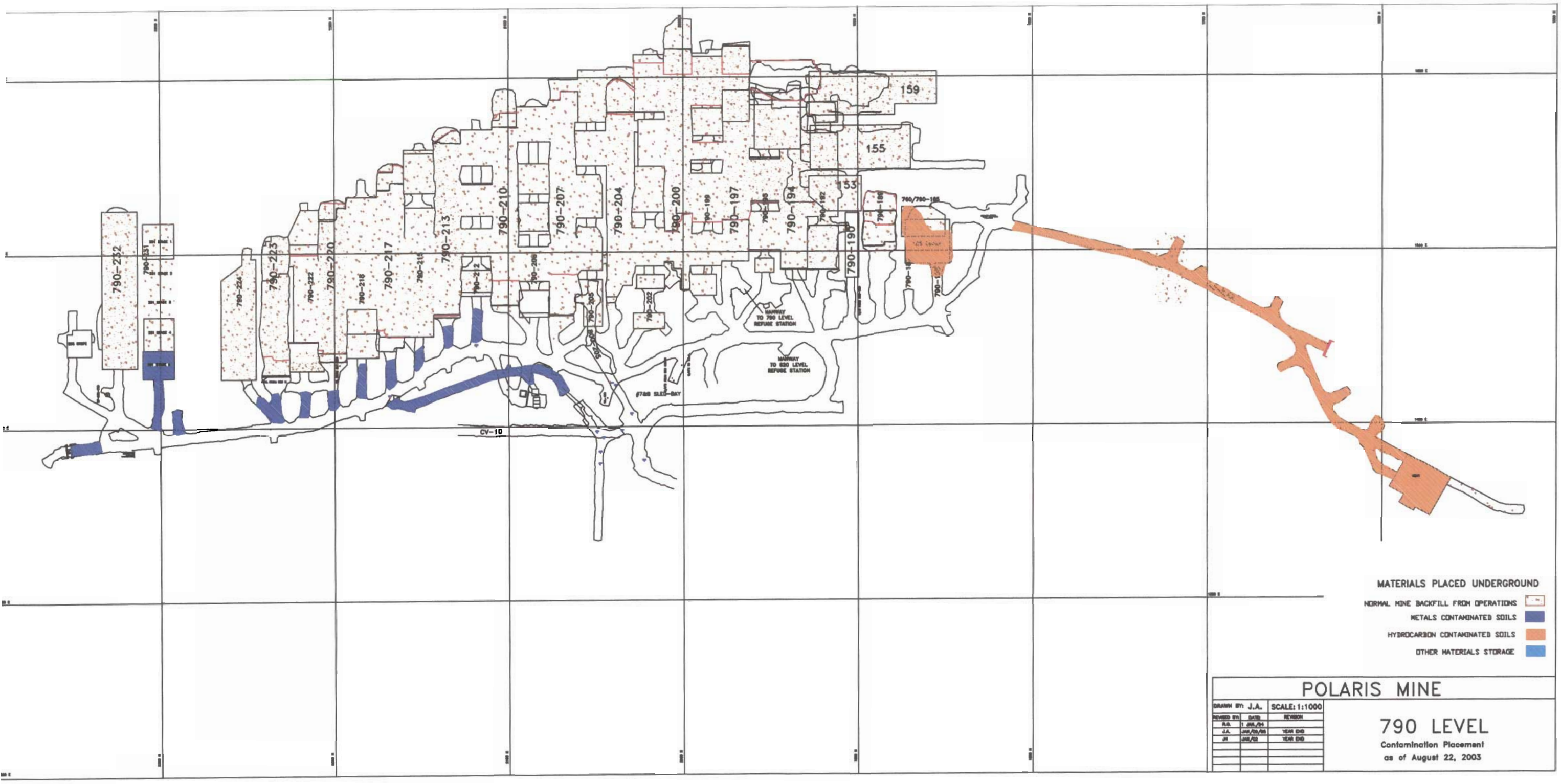
POLARIS MINE

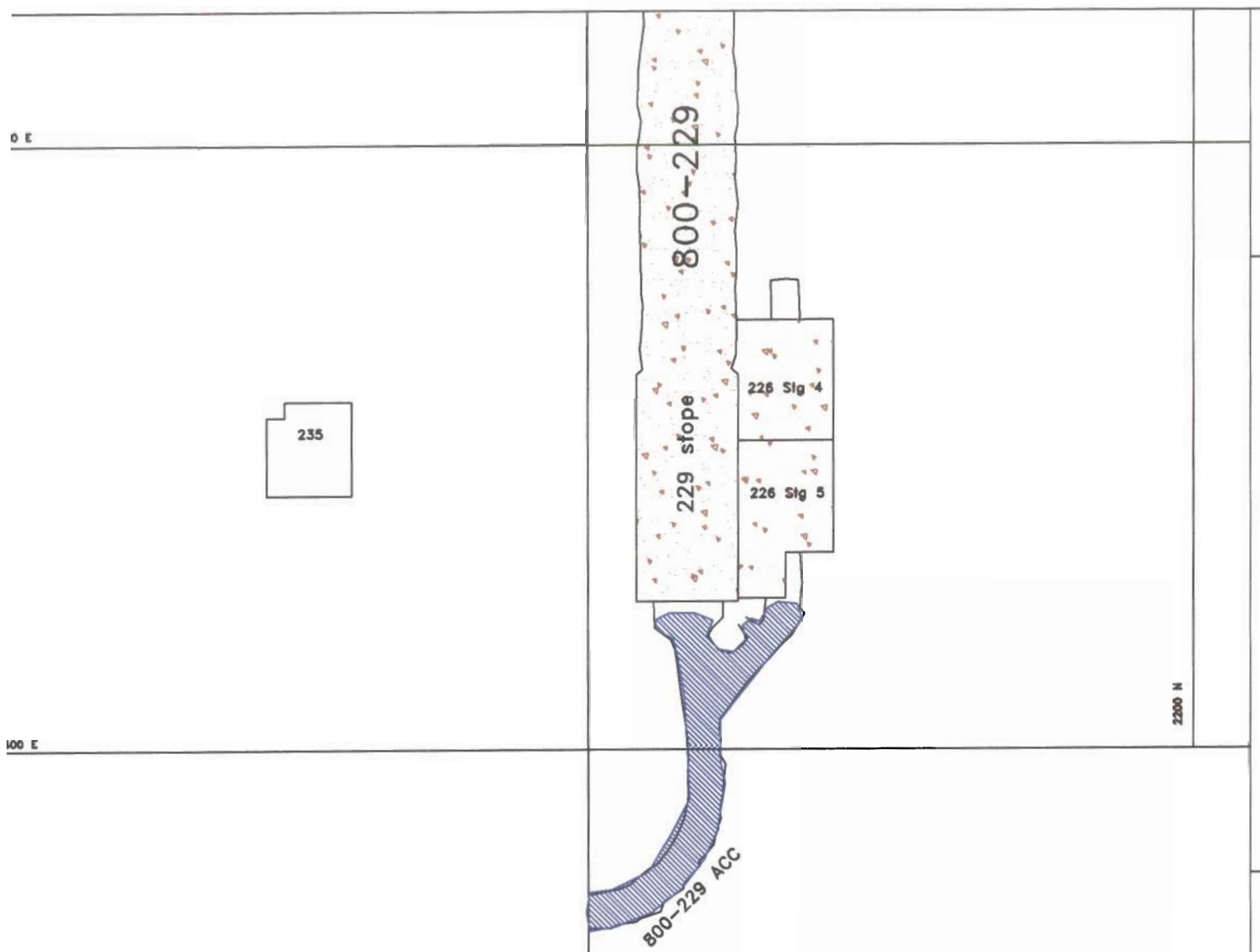
DRAWN BY: J.A.	SCALE: 1:500
REVISED BY:	DATE: / REVISION
DHM	04/22/97 YEAR END
TM	JUL/97 SEMI-ANNUAL
SL MORIN	JAN/98 YEAR END
SL MORIN	JAN/99 YEAR END
TM	FEB/00 YEAR END
TLB	JAN/01 YEAR END
JH	JAN/02 YEAR END

730 LEVEL

Contamination Placement as of August 22, 2003


760-159
760-155
760-153
760-189
760-185
760-187
760-190
760-194
760-195
760-197
760-198
760-200
760-202
760-204
760-207
760-208
760-210
760-212
760-213
760-217
760-218
760-215
760-220
760-223
770-205
REFUGE STATION
CV-09
CV-10
MATERIALS PLACED UNDERGROUND
NORMAL MINE BACKFILL FROM OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER MATERIALS STORAGE
POLARIS MINE
DRAWN BY: J.A.
SCALE: 1:500
760 LEVEL
Contamination Placement
as of August 22, 2003


790-252
790-231
790-224
790-223
790-222
790-220
790-218
790-217
790-215
790-213
790-212
790-210
790-209
790-207
790-205
790-204
790-202
790-200
790-199
790-197
790-195
790-194
790-192
790-190
790-189
790-188
790/790-186
159
155
153
CV-10
#7&8 SLED-BAY
MANWAY TO 790 LEVEL REFUSE STATION
MANWAY TO 830 LEVEL REFUSE STATION
MATERIALS PLACED UNDERGROUND
NORMAL MINE BACKFILL FROM OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER MATERIALS STORAGE
POLARIS MINE
DRAWN BY: J.A.
SCALE: 1:1000
REVISED BY: DATE: REVISION
R.G. 1 JAN./94
J.A. JAN./03/03 YEAR END
JH JAN./02 YEAR END
790 LEVEL
Contamination Placement
as of August 22, 2003



MATERIALS PLACED UNDERGROUND

NORMAL MINE BACKFILL FROM OPERATIONS

METALS CONTAMINATED SOILS

HYDROCARBON CONTAMINATED SOILS

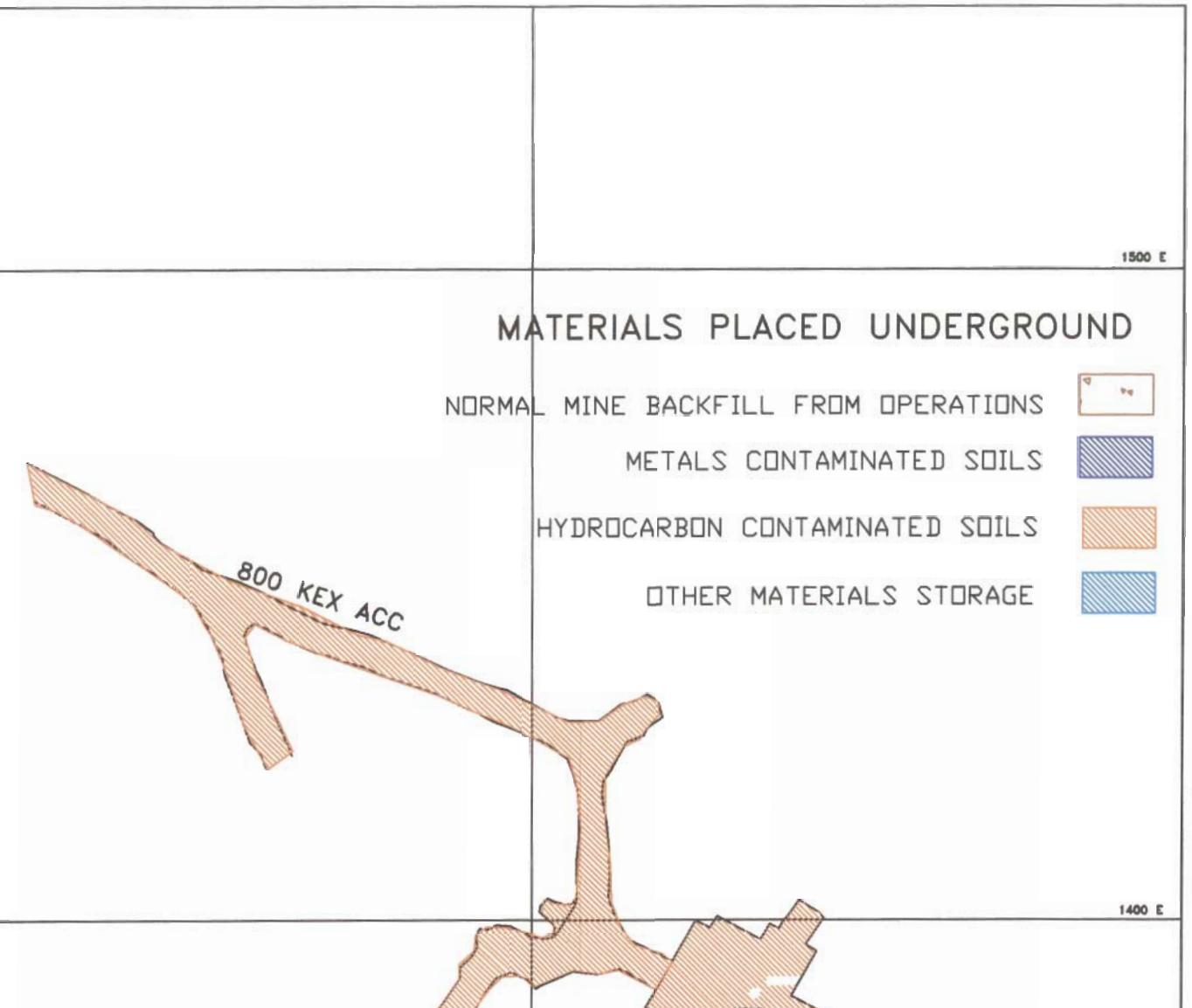
OTHER MATERIALS STORAGE

2300 N

POLARIS MINE

DRAWN BY: J.A.		SCALE: 1:500
REVISED BY:	DATE:	REVISION
GWM	MAR/22/97	YEAR END
WM	JUL/97	SEMI-ANNUAL
M. NIXON	JAN/98	YEAR END
M. NIXON	JAN/99	YEAR END
WM	FEB/00	YEAR END
JH	JAN/01	YEAR END
JH	JAN/02	YEAR END

800 LEVEL
Contamination Placement
as of August 22, 2003



MATERIALS PLACED UNDERGROUND

NORMAL MINE BACKFILL FROM OPERATIONS

METALS CONTAMINATED SOILS

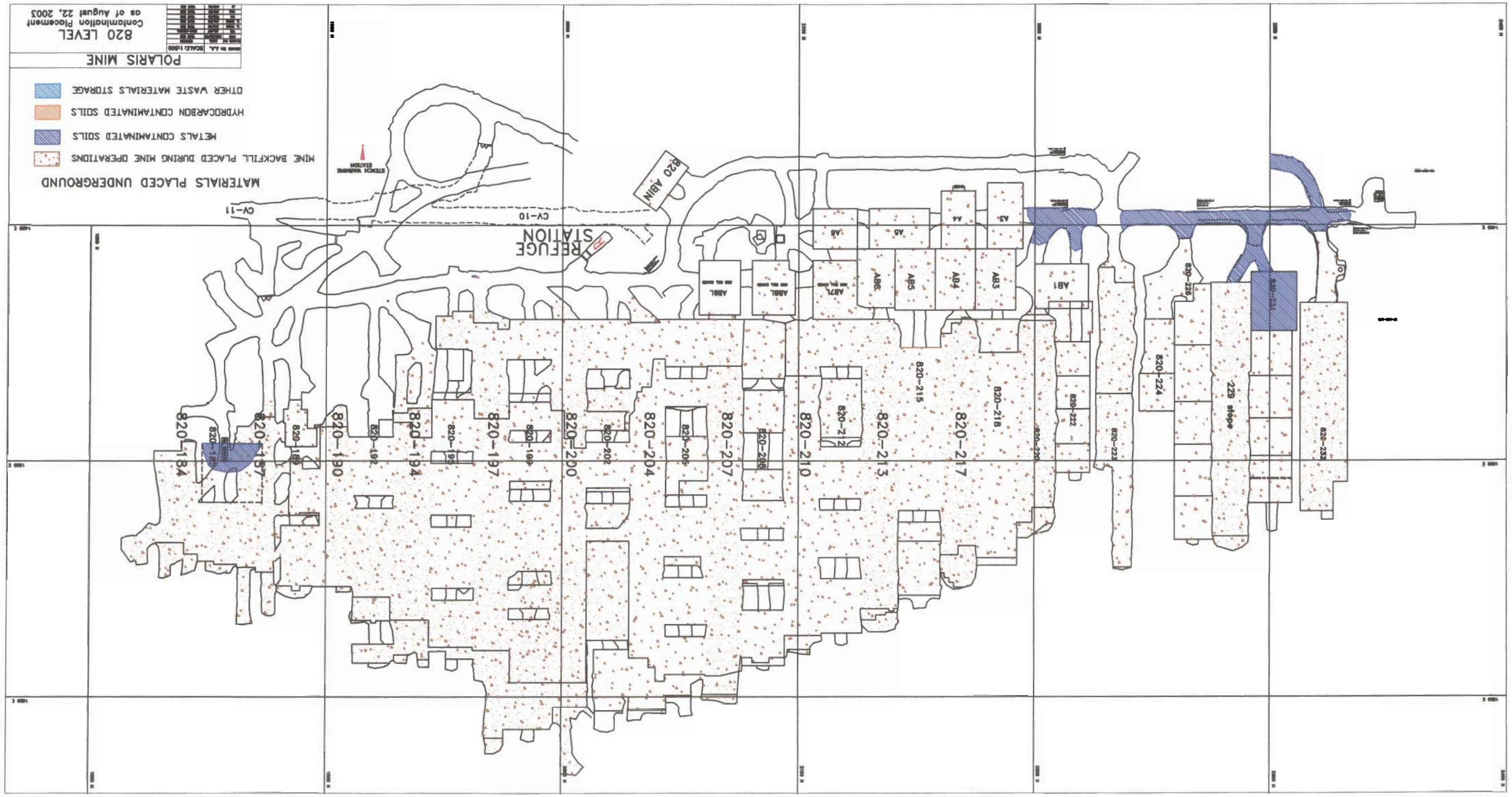
HYDROCARBON CONTAMINATED SOILS

OTHER MATERIALS STORAGE

POLARIS MINE

DRAWN BY: J.A.		SCALE: 1:500
REVISED BY:	DATE:	REVISION
GWM	MAR/22/97	YEAR END
WM	JUL/97	SEMI-ANNUAL
M. NIXON	JAN/98	YEAR END
M. NIXON	JAN/99	YEAR END
WM	FEB/00	YEAR END
JH	JAN/01	YEAR END
JH	JAN/02	YEAR END

800 LEVEL
Contamination Placement
as of August 22, 2003


MATERIALS PLACED UNDERGROUND
MINE BACKFILL PLACED DURING MINE OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER WASTE MATERIALS STORAGE
POLARIS MINE
820 LEVEL
Contamination Placement
as of August 22, 2003
REFUGE STATION
820 ABIN
CV-10
CV-11
STENCH WARNING STATION
AB1
AB3
AB4
AB5
AB6
AB7L
AB8L
A3
A4
A5
A6
820-134
820-137
820-139
820-140
820-190
820-192
820-194
820-196
820-197
820-199
820-200
820-202
820-204
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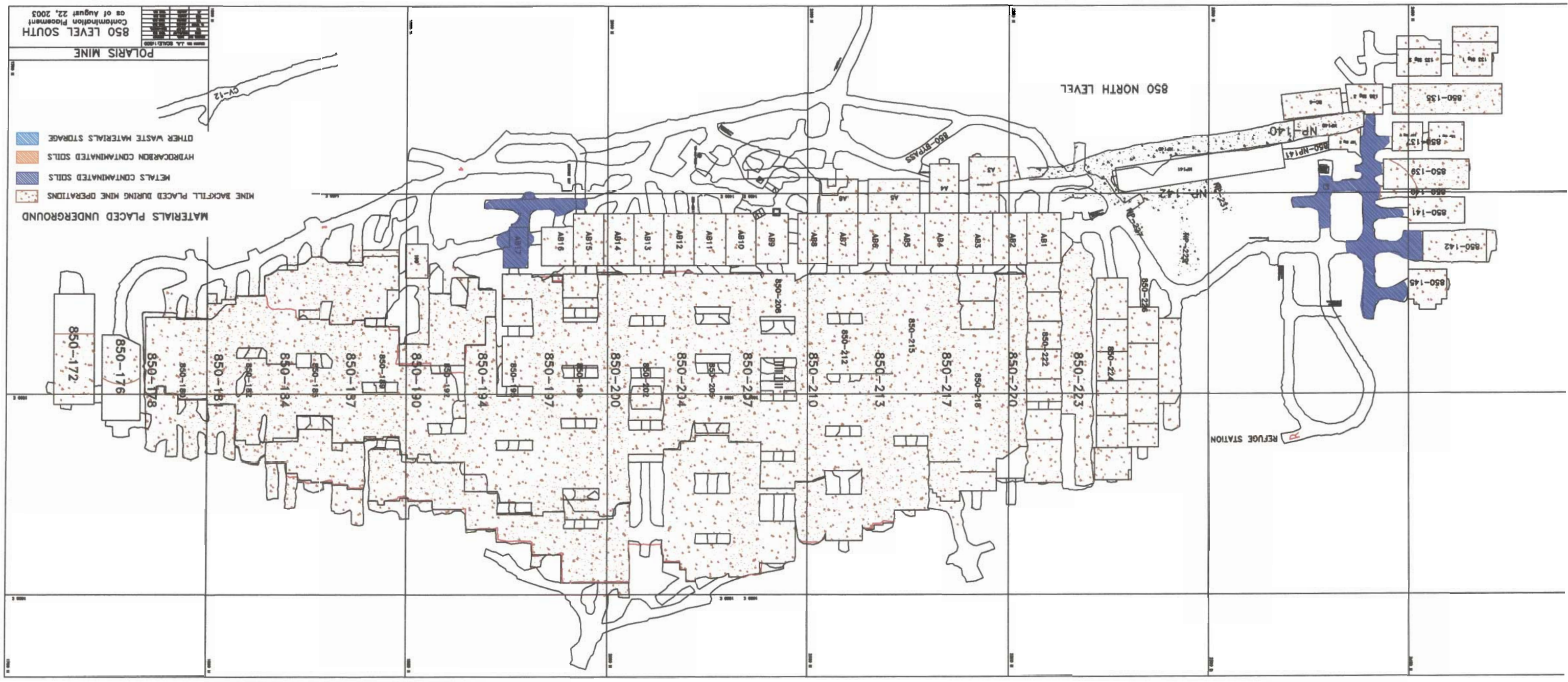
820-223
820-224
820-226
229 stope
820-232


850 LEVEL SOUTH
Contamination Placement
as of August 22, 2003
POLARIS MINE
MATERIALS PLACED UNDERGROUND
MINE BACKFILL PLACED DURING MINE OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER WASTE MATERIALS STORAGE
850 NORTH LEVEL
REFUGE STATION
850-BYPASS
NP-142
NP-140
850-NP141
850-135
850-137
850-139
850-141
850-142
850-145
850-172
850-176
850-178
850-181
850-184
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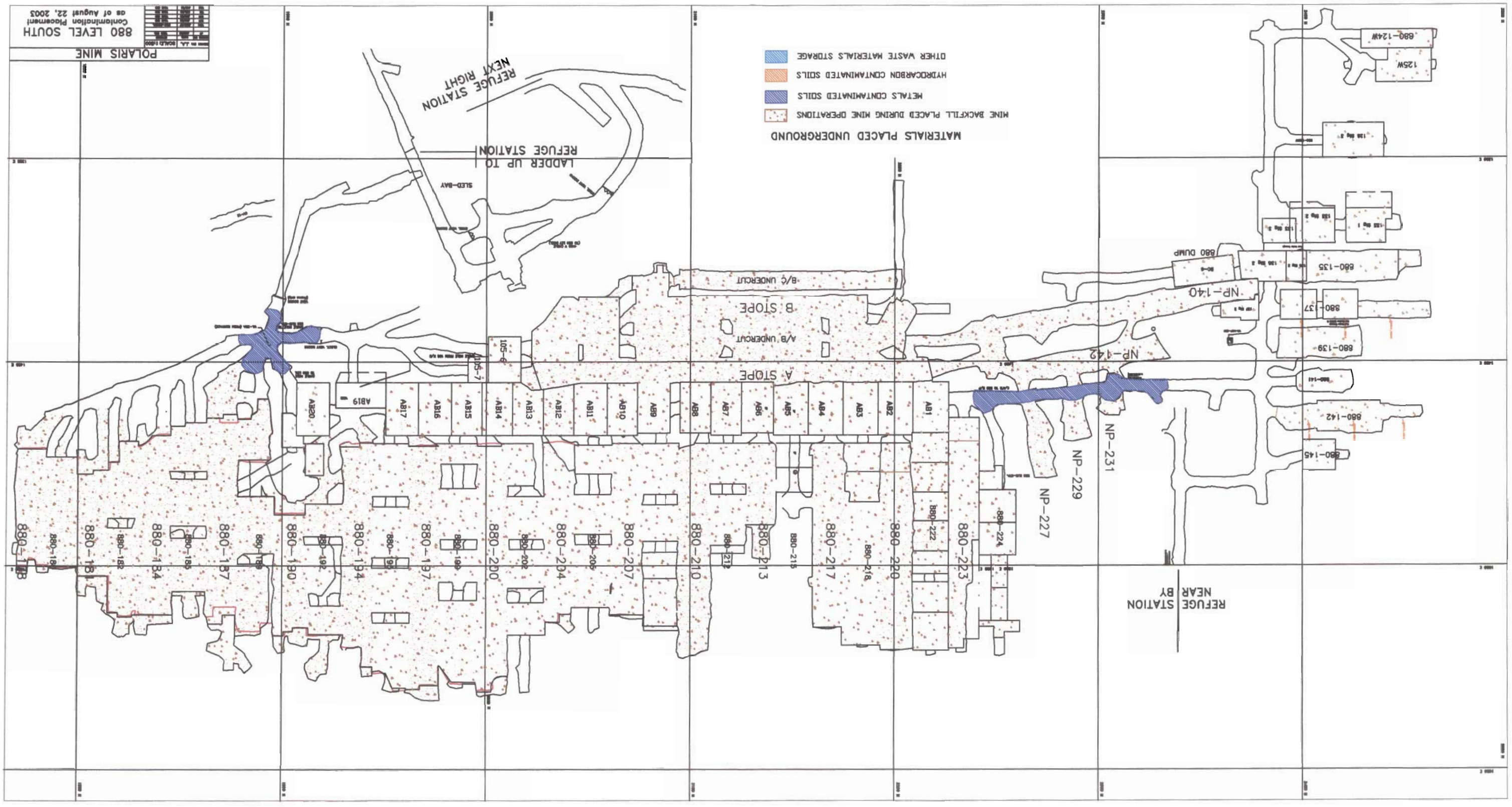
850-204
850-207
850-210
850-213
850-217
850-220
850-223
850-224
850-226
850-222
850-215
850-212
850-208
AB1
AB2
AB3
AB4
AB5
AB6
AB7
AB8
AB9
AB10
AB11
AB12
AB13
AB14
AB15
AB16
A1
A2
A3
A4
A5
A6
A7
A8
CV-12


POLARIS MINE
880 LEVEL SOUTH
Contamination Placement
as of August 22, 2003
MATERIALS PLACED UNDERGROUND
MINE BACKFILL PLACED DURING MINE OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER WASTE MATERIALS STORAGE
REFUGE STATION NEXT RIGHT
LADDER UP TO REFUGE STATION
REFUGE STATION NEAR BY
A STOPE
A/B UNDERCUT
B STOPE
B/C UNDERCUT
NP-142
NP-140
NP-231
NP-229
NP-227
880 DUMP
880-139
880-137
880-135
880-142
880-145
125W
880-124W
AB1
AB2
AB3
AB4
AB5
AB6
AB7
AB8
AB9
AB10
AB11
AB12
AB13
AB14
AB15
AB16
AB17
AB19
AB20
105-6
105-7
880-222
880-223
880-224
880-220
880-217
880-218
880-213
880-215
880-210
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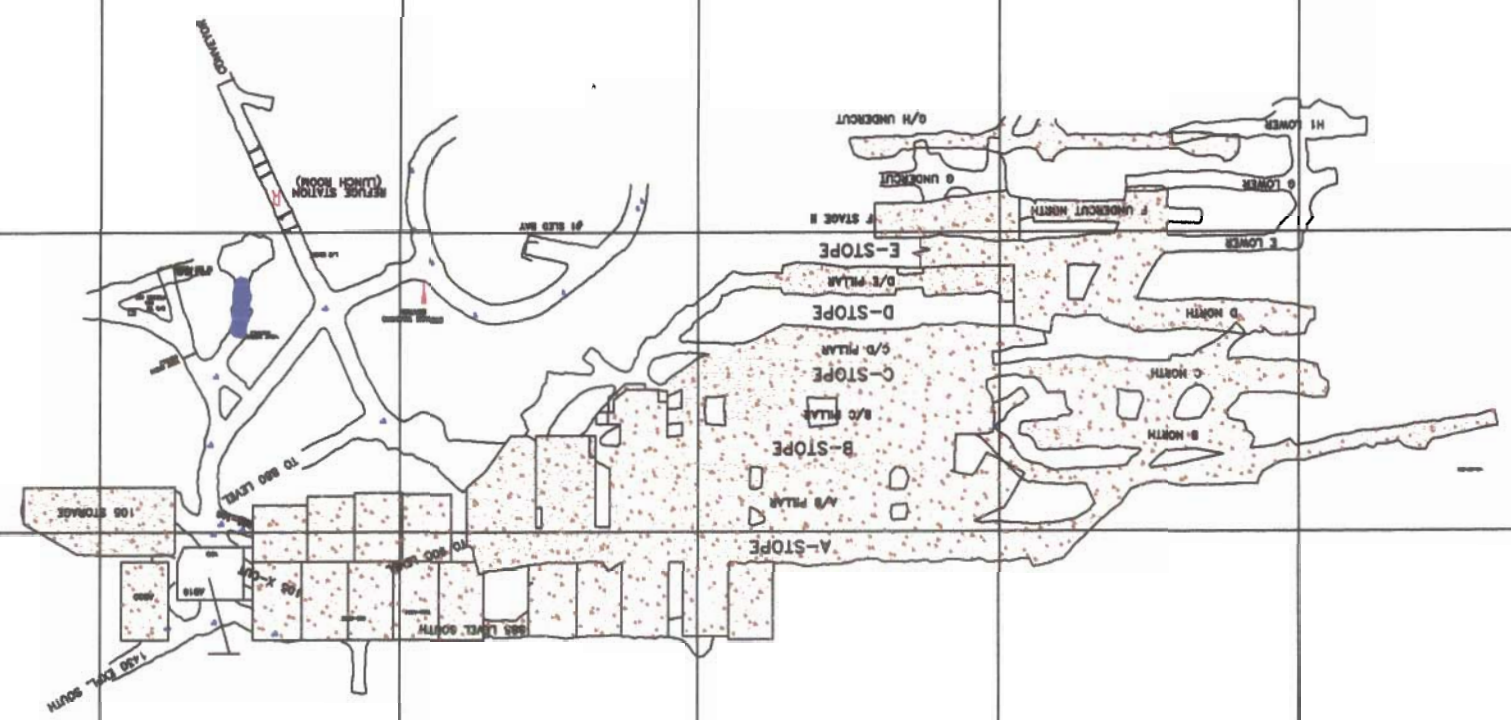
880-179



MATERIALS PLACED UNDERGROUND

MINE BACKFILL PLACED DURING MINE OPERATIONS

METALS CONTAMINATED SOILS

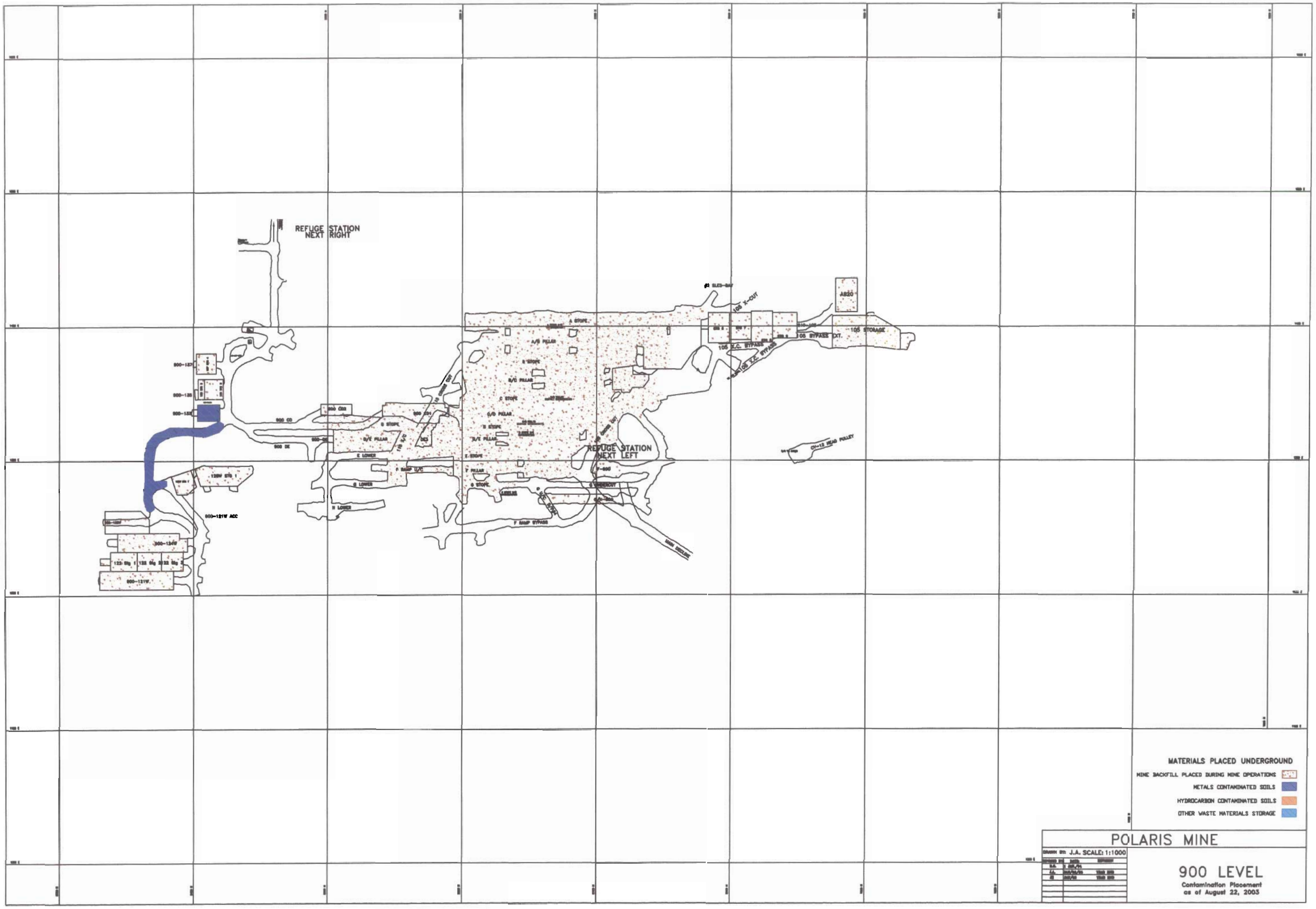
HYDROCARBON CONTAMINATED SOILS

OTHER WASTE MATERIALS STORAGE

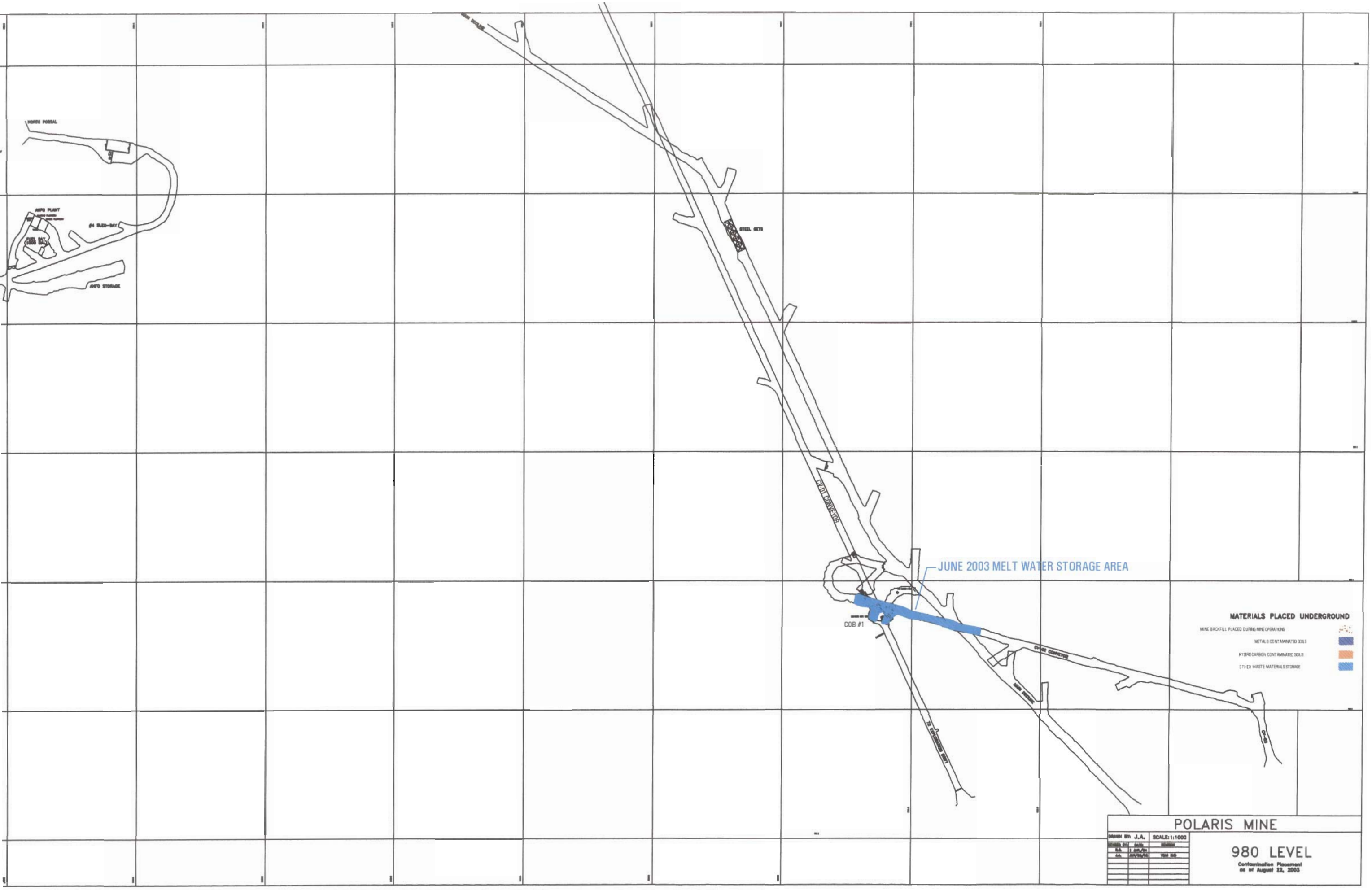
POLARIS MINE

DRAWN BY J.A.	SCALE:1:1000
REVISED BY J.A.	REVISION
DA J. Jackson	
CK J.A.	VER 00

885 LEVEL
Contamination Placement
as of August 22, 2003


REFUGE STATION
NEXT RIGHT
REFUGE STATION
NEXT LEFT
105 X-CUT
105 STORAGE
105 BYPASS EXT.
105 X.C. BYPASS
A STOPE
A/B PILLAR
B STOPE
B/C PILLAR
C STOPE
C/D PILLAR
D STOPE
D/E PILLAR
E STOPE
E LOWER
F RAMP U/C
F PILLAR
G STOPE
G LOWER
G UNDERCUT
H LOWER
F RAMP BYPASS
900 CD
900 DE
900-121W ACC
MAIN DRIFT
MATERIALS PLACED UNDERGROUND
MINE BACKFILL PLACED DURING MINE OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER WASTE MATERIALS STORAGE
POLARIS MINE
DRAWN BY: J.A. SCALE: 1:1000
900 LEVEL
Contamination Placement
as of August 22, 2003

2600 N
2500 N
2400 N
2300 N
2200 N
1300 E
1200 E
1100 E
960 E
960-120W
960-118W
960-117W
960-115W
960-113W
Tailings Line Storage Area
MATERIALS PLACED UNDERGROUND
MINE BACKFILL PLACED DURING MINE OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER WASTE MATERIALS STORAGE
POLARIS MINE
SCALE: 1:500
960 LEVEL
Contamination Placement
as of August 22, 2003


NORTH PORTAL
ANFO PLANT
(4 BLKD-BAY)
ANFO STORAGE
STEEL DECK
MAIN DRIVE
BELT CONVEYOR
JUNE 2003 MELT WATER STORAGE AREA
COB #1
EXPLOR CORRIDOR
MAIN DRIVE
TO CROSSING (997)
MATERIALS PLACED UNDERGROUND
MINE BACKFILL PLACED DURING MINE OPERATIONS
METALS CONTAMINATED SOILS
HYDROCARBON CONTAMINATED SOILS
OTHER WASTE MATERIALS STORAGE
POLARIS MINE
DRAWN BY: J.A.
SCALE: 1:1000
980 LEVEL
Contamination Placement
as of August 22, 2003