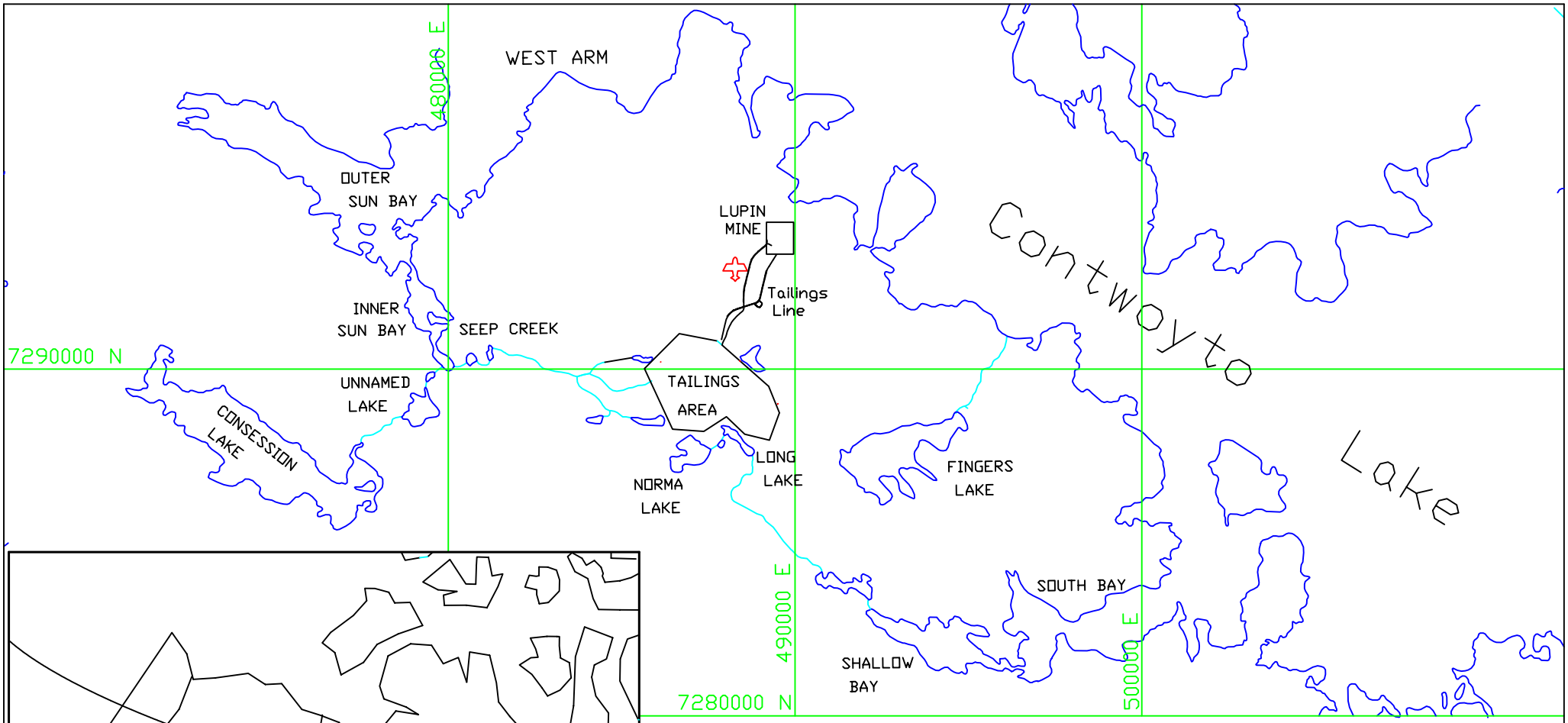
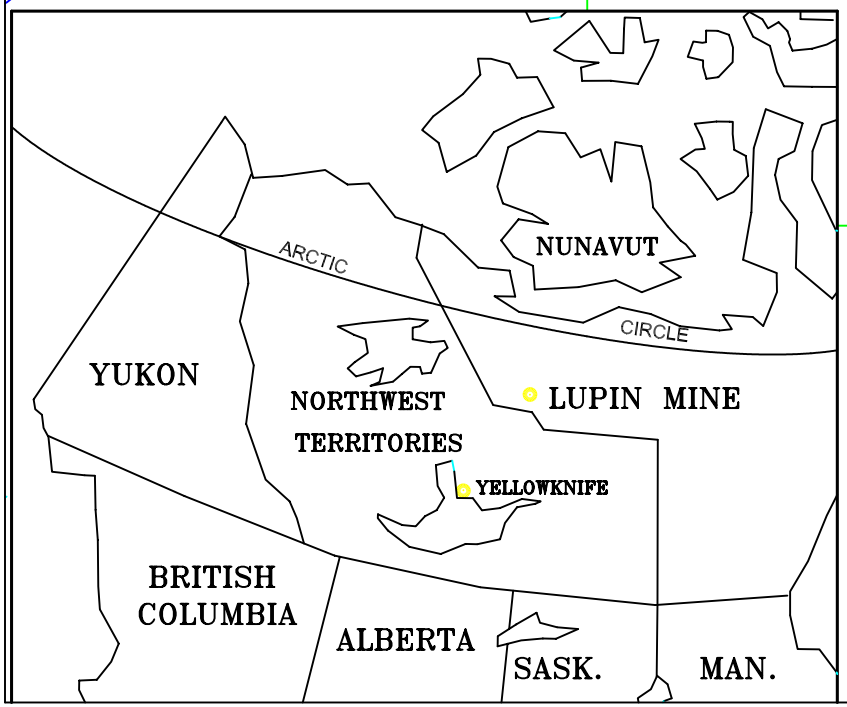
Abandonment and Restoration Plan February, 2005





ECHO BAY MINES LTD.

LUPIN, NU

Figure 1 - Site Location Map

	DRAWING NUMBER	REV

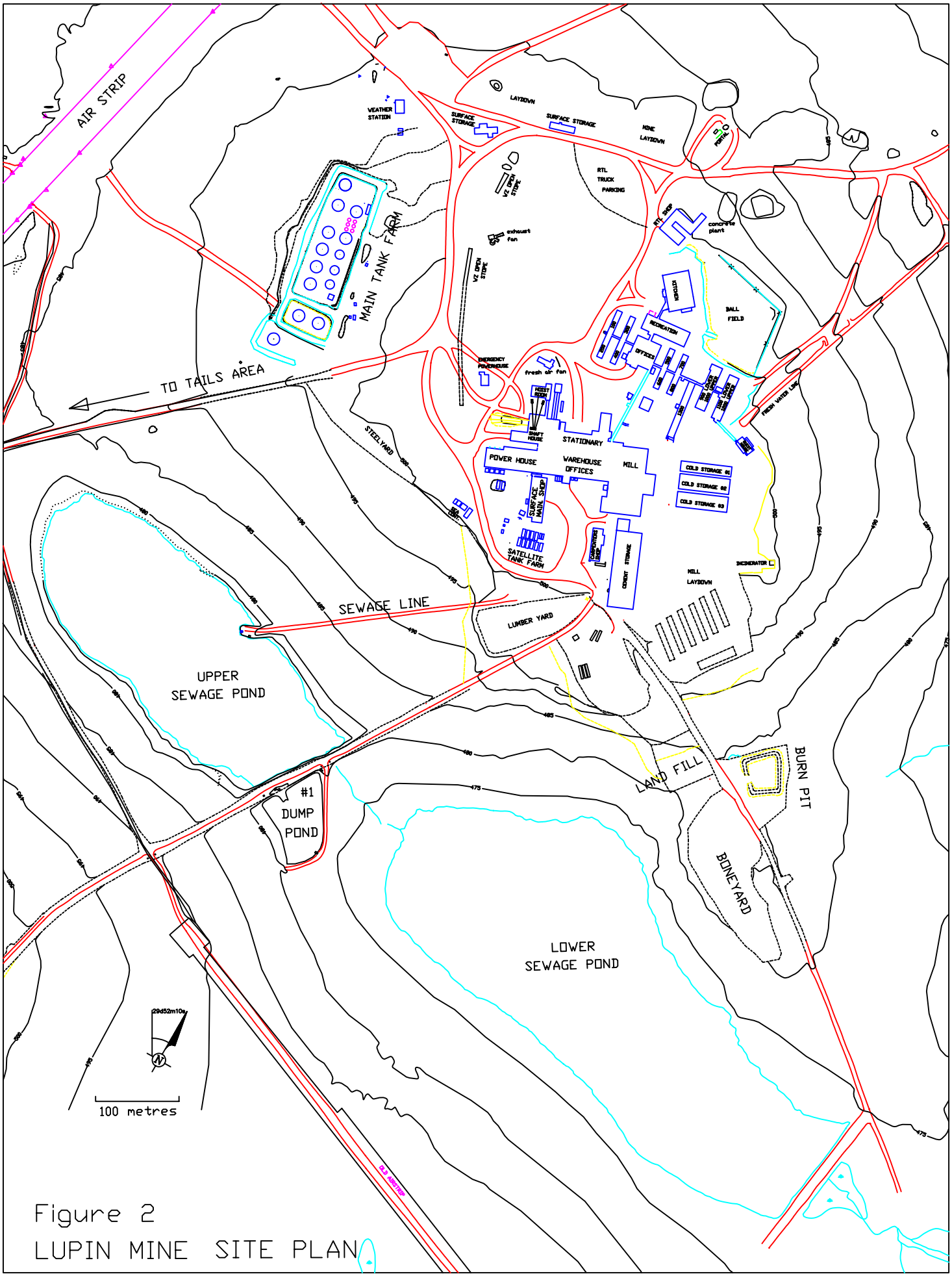


Figure 2
LUPIN MINE SITE PLAN

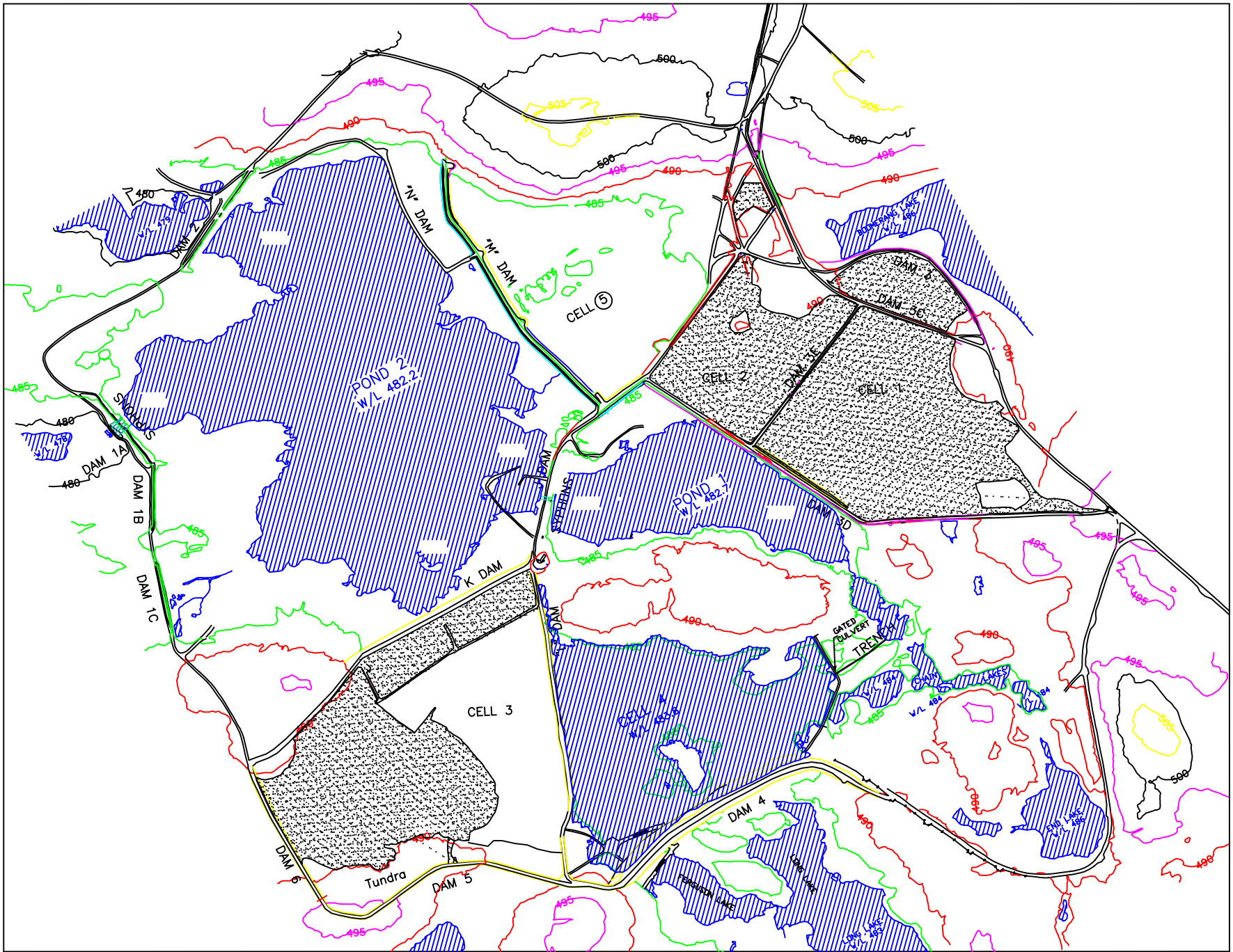


Figure 3 – Lupin Mine TCA 2004

MAP SCALE: 0 50 100 200 METERS

2004 Lupin TCA.dwg

No	DATE	MADE BY	DESCRIPTION
1			
2	Aug/04	CHT	Cell 4 water
3	Jun/04	CHT	Pond 1,2 water levels
4	Dec/03	CHT	Updated Cell 3a, 3b
5	Feb/98	S.S.L.	Updated 1997 work

DATE | DRAWN BY | CHECKED | APPROVED

KINROSS GOLD CORPORATION
EBM – LUPIN MINE

OFFICE: LUPIN | DEPARTMENT: DEVELOPMENT

LUPIN MINE
TAILINGS AREA

MAP INDEX NUMBER | SCALE | DRAWING NUMBER

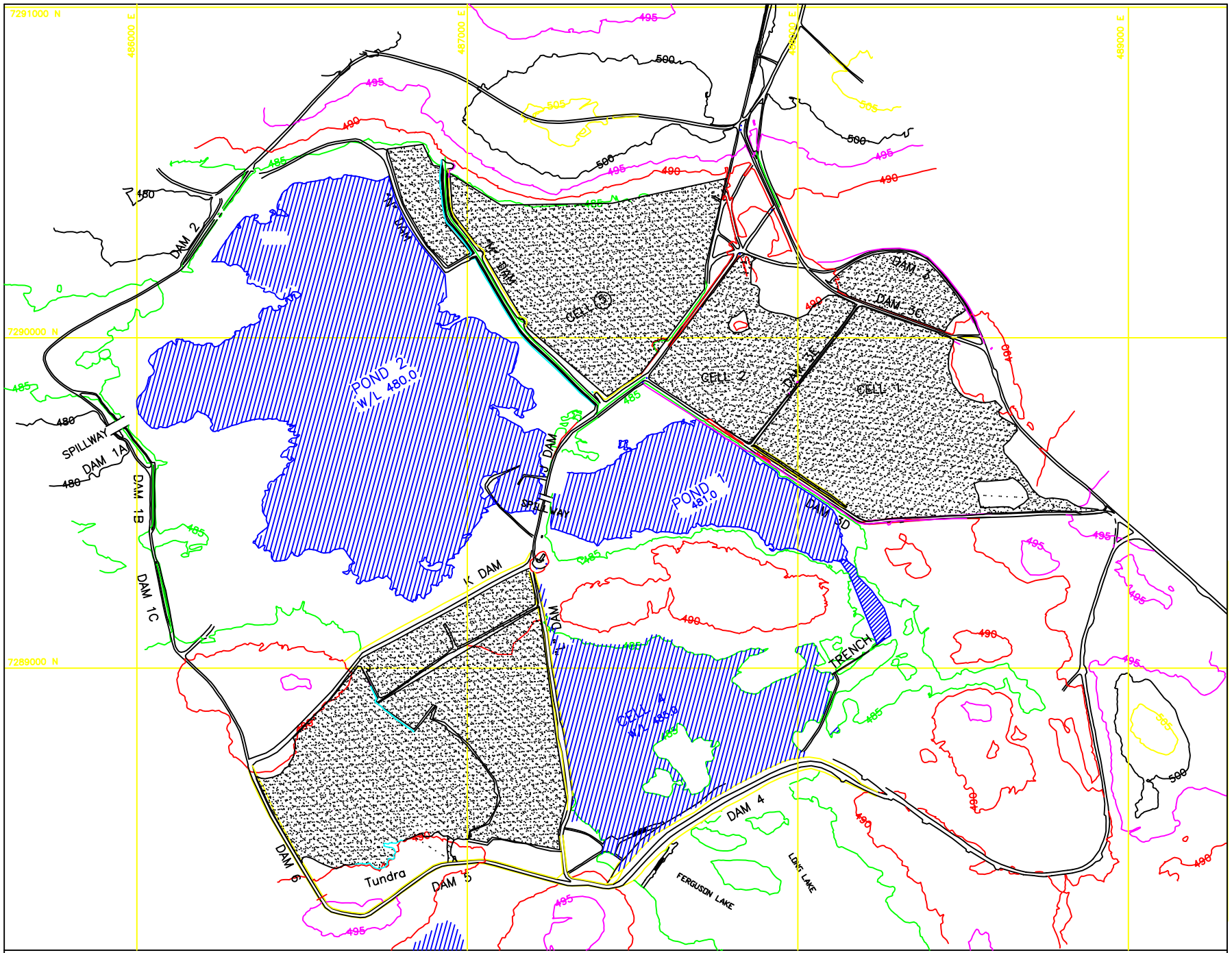


Figure 4 – Lupin Mine TCA Final

MAP SCALE: 0 50 100 200 METERS

2004 Lupin TCA.dwg

No	DATE	MADE BY	DESCRIPTION
4	Aug/04	CMT	Cell 4 water
3	Jun/04	CMT	Pond 1,2 water levels
2	Oct/03	CMT	Updated Cell 3c, 3b
1	Feb/98	S.B.L.	Updated 1997 work

REVISIONS

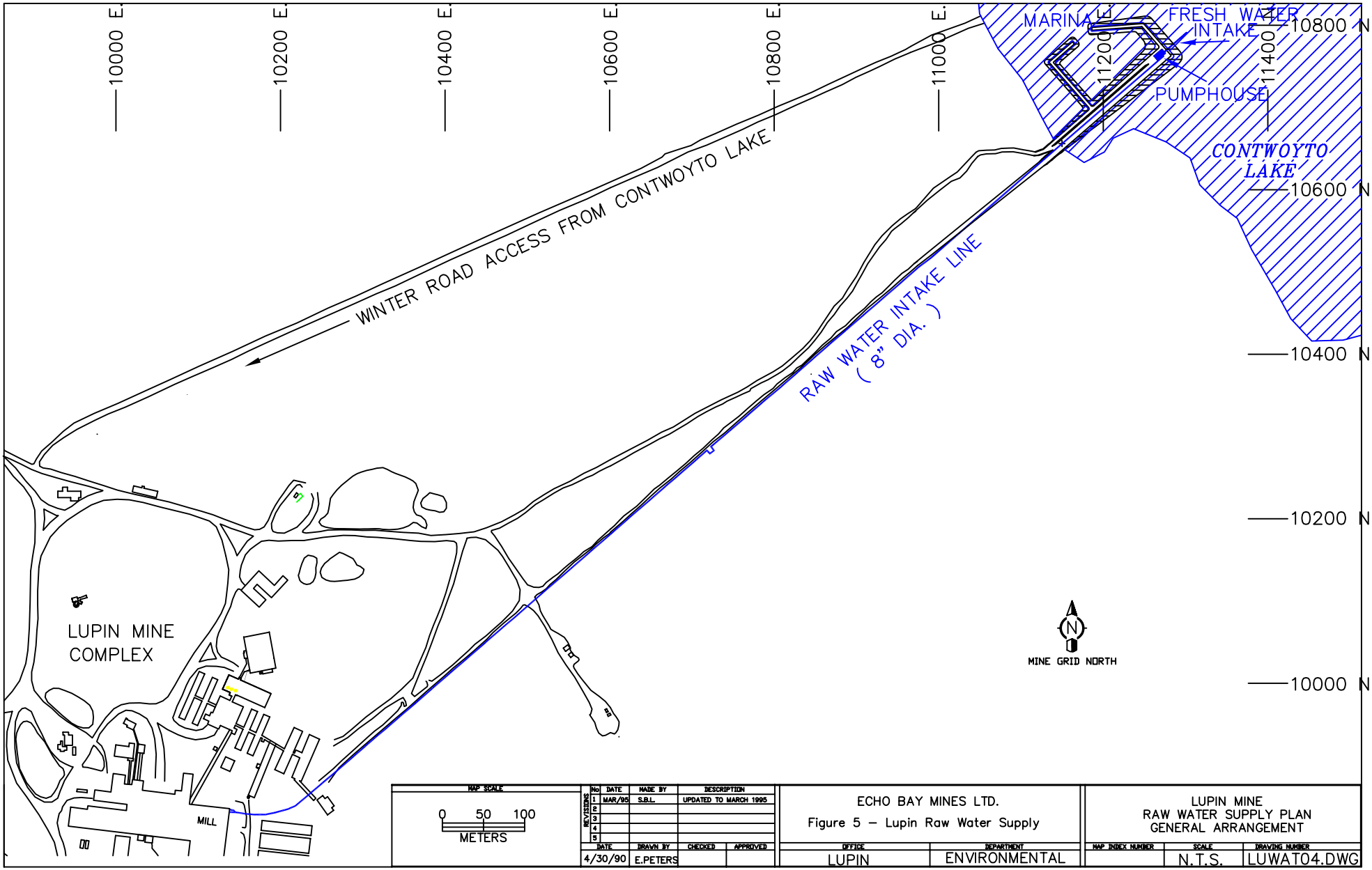
DATE	DRAWN BY	CHECKED	APPROVED

KINROSS GOLD CORPORATION
EBM – LUPIN MINE

OFFICE	DEPARTMENT
LUPIN	DEVELOPMENT

LUPIN MINE
TAILINGS AREA

MAP INDEX NUMBER	SCALE	DRAWING NUMBER


10000 E.
10200 E.
10400 E.
10600 E.
10800 E.
11000 E.
11200 E.
11400 E.
10800 N.
10600 N.
10400 N.
10200 N.
10000 N.
MARINA
FRESH WATER INTAKE
PUMPHOUSE
CONTWOYTO LAKE
WINTER ROAD ACCESS FROM CONTWOYTO LAKE
RAW WATER INTAKE LINE
(8" DIA.)
LUPIN MINE COMPLEX
MILL
MINE GRID NORTH
MAP SCALE
0 50 100
METERS
REVISIONS
No | DATE | MADE BY | DESCRIPTION
1 | MAR/95 | S.B.L. | UPDATED TO MARCH 1995
2
3
4
5
DATE | DRAWN BY | CHECKED | APPROVED
4/30/90 | E.PETERS
ECHO BAY MINES LTD.
Figure 5 – Lupin Raw Water Supply
OFFICE | DEPARTMENT
LUPIN | ENVIRONMENTAL
LUPIN MINE
RAW WATER SUPPLY PLAN
GENERAL ARRANGEMENT
MAP INDEX NUMBER | SCALE | DRAWING NUMBER
N.T.S. | LUWAT04.DWG

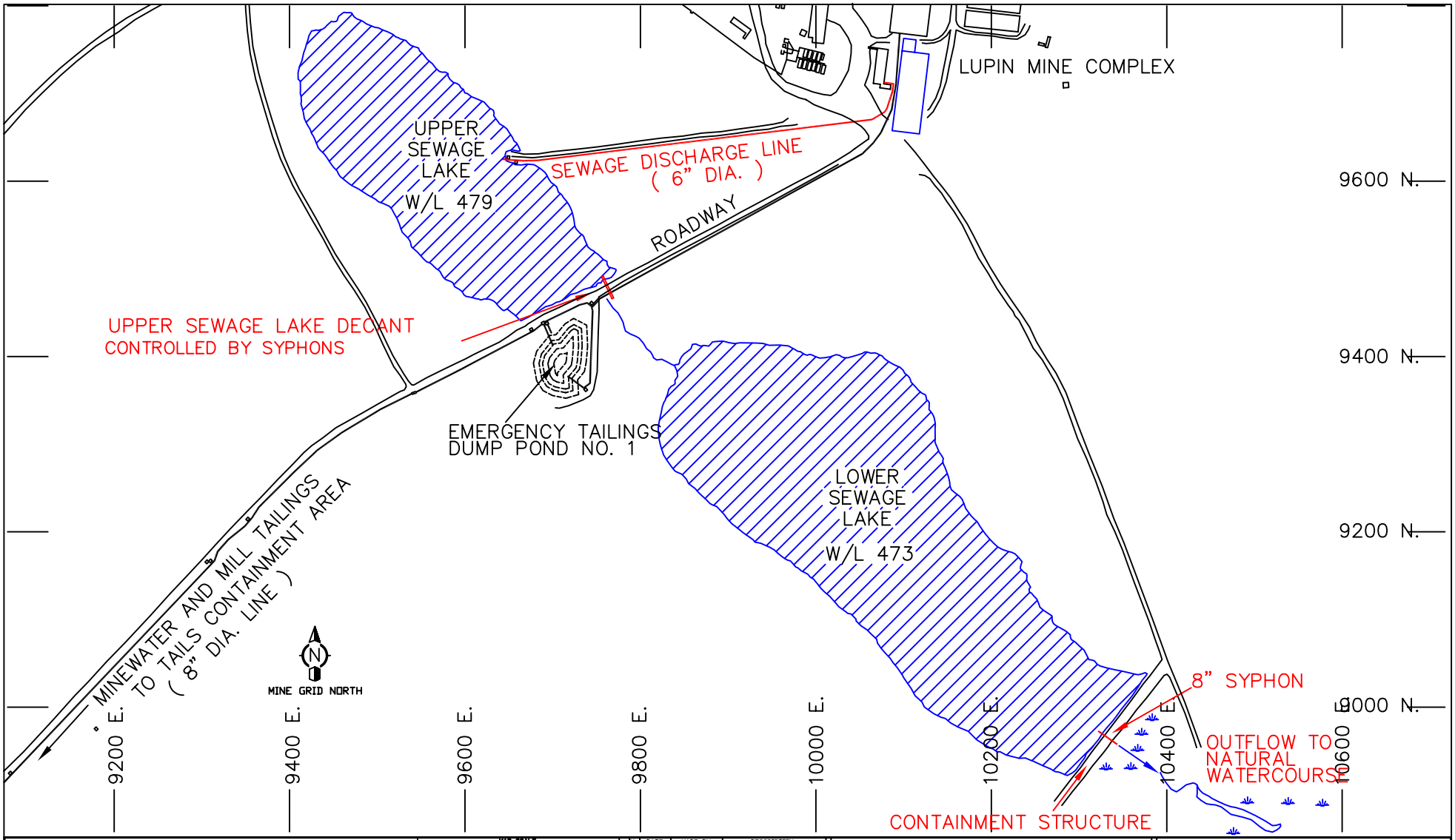


Figure 6 – Lupin Sewage Treatment Plan

MAP SCALE
0 50 100
METERS
1 : 2000

REVISIONS	No	DATE	MADE BY	DESCRIPTION
	1	MAR/95	S.B.L.	UPDATED TO MARCH 1995
	2	DEC/00	S.B.L.	UPDATED TO DEC 2000
	3	DEC/03	CMT	UPDATED TO DEC 2003
	4			
	5			

DATE	DRAWN BY	CHECKED	APPROVED
4/30/90	E.PETERS		

ECHO BAY MINES LTD.

OFFICE	DEPARTMENT
LUPIN	ENVIRONMENTAL

LUPIN MINE
SEWAGE TREATMENT PLAN
GENERAL ARRANGEMENT

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	N.T.S.	LUSEW04.DWG

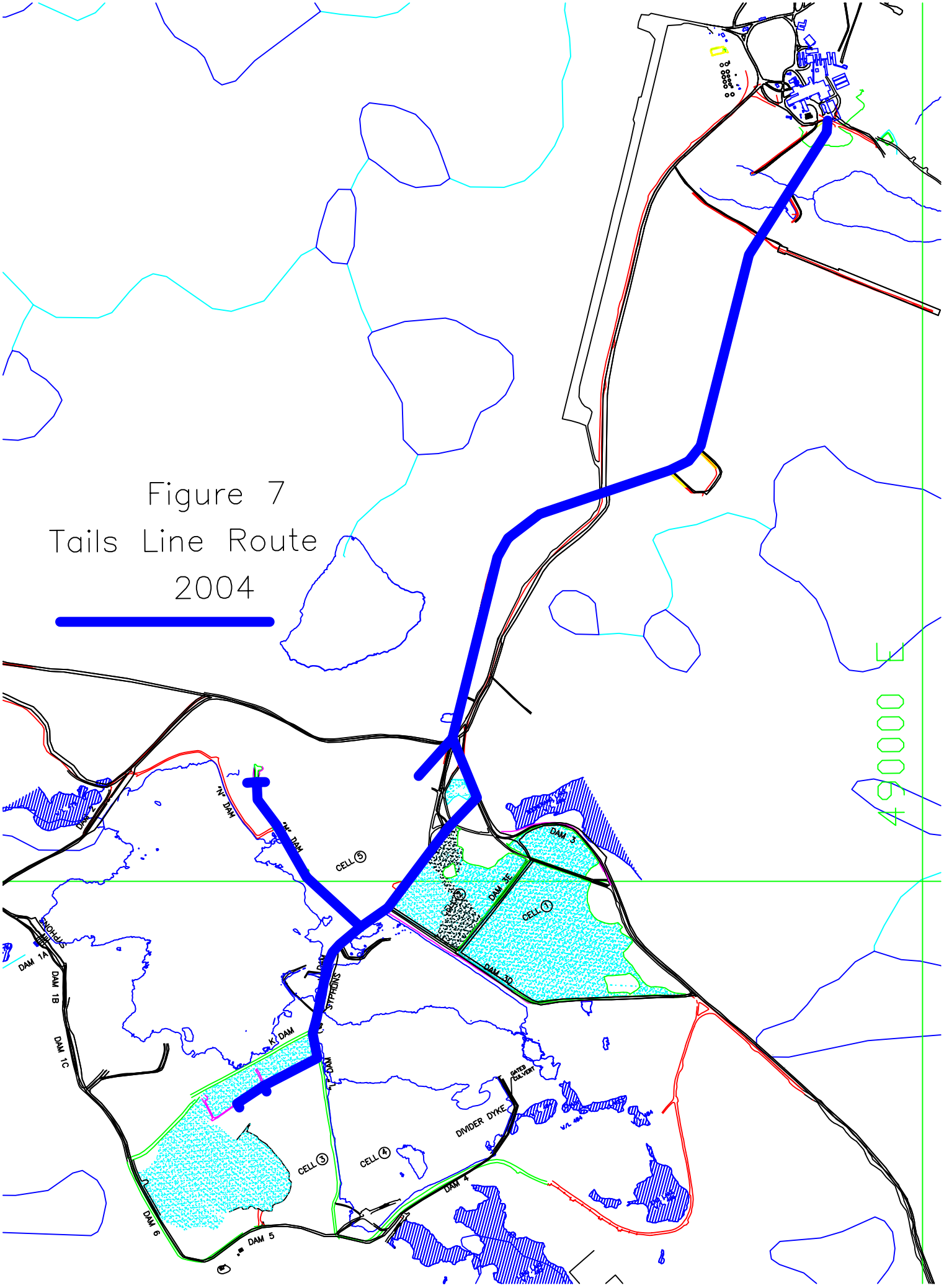


Figure 7
Tails Line Route
2004
490000 E
DAM 1A
DAM 1B
DAM 1C
SYPHONS
DAM 2
N DAM
CELL 5
DAM 3
DAM 3E
CELL 2
CELL 1
DAM 3C
K DAM
SYPHONS
DAM 6
DAM 5
CELL 3
CELL 4
DAM 4
DIVIDER DYKE
GATED CULVERT

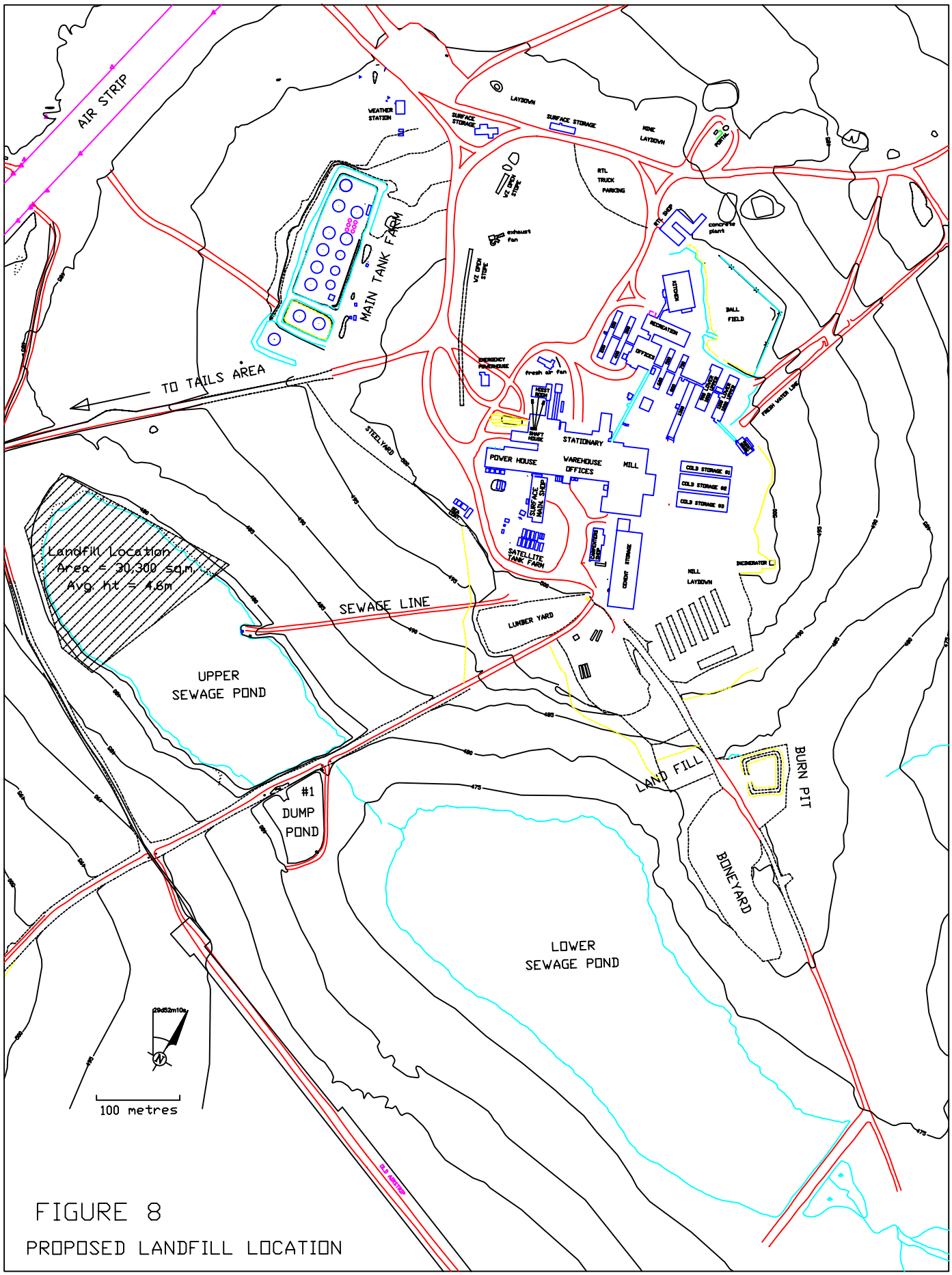


FIGURE 8

PROPOSED LANDFILL LOCATION

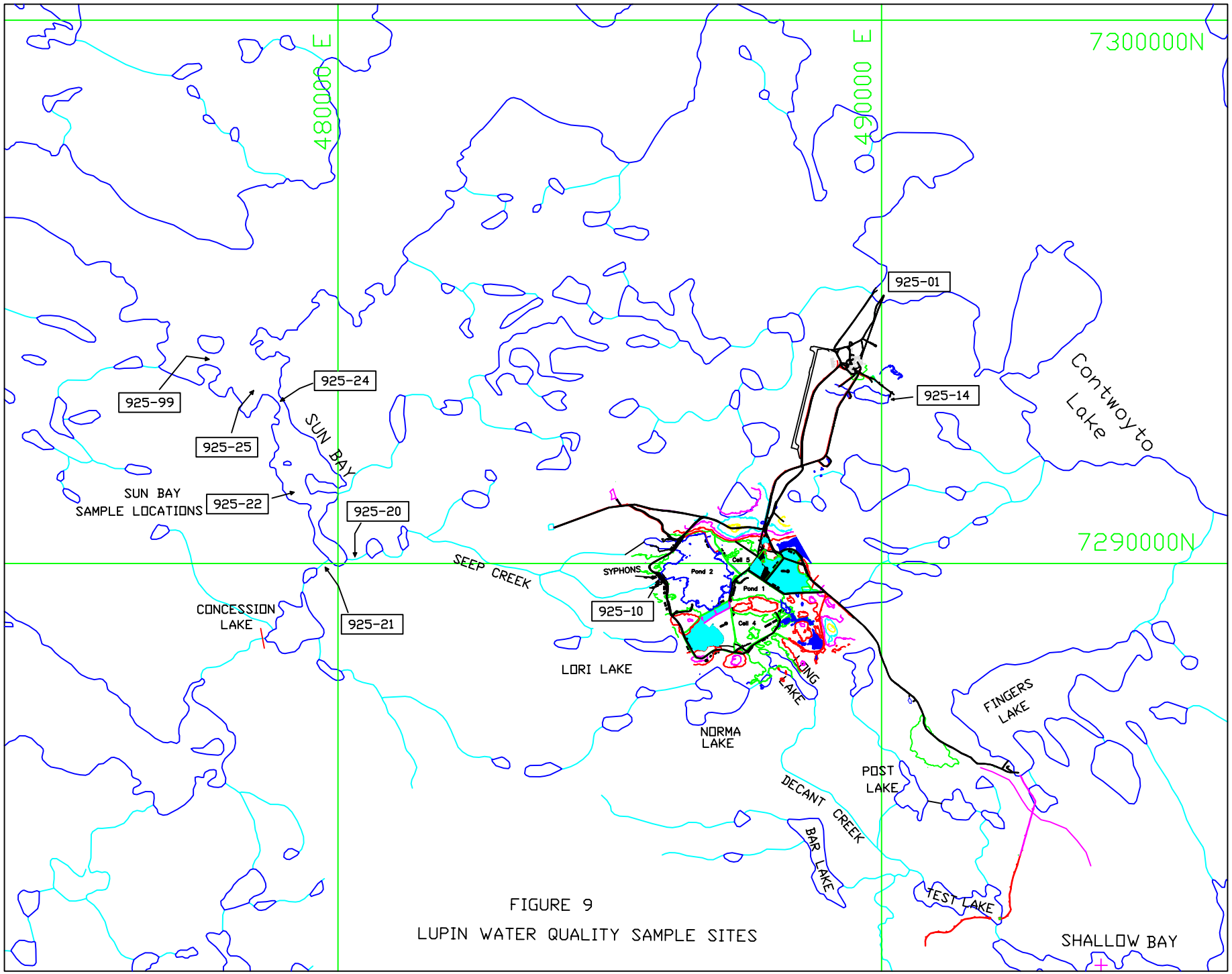


FIGURE 9

LUPIN WATER QUALITY SAMPLE SITES

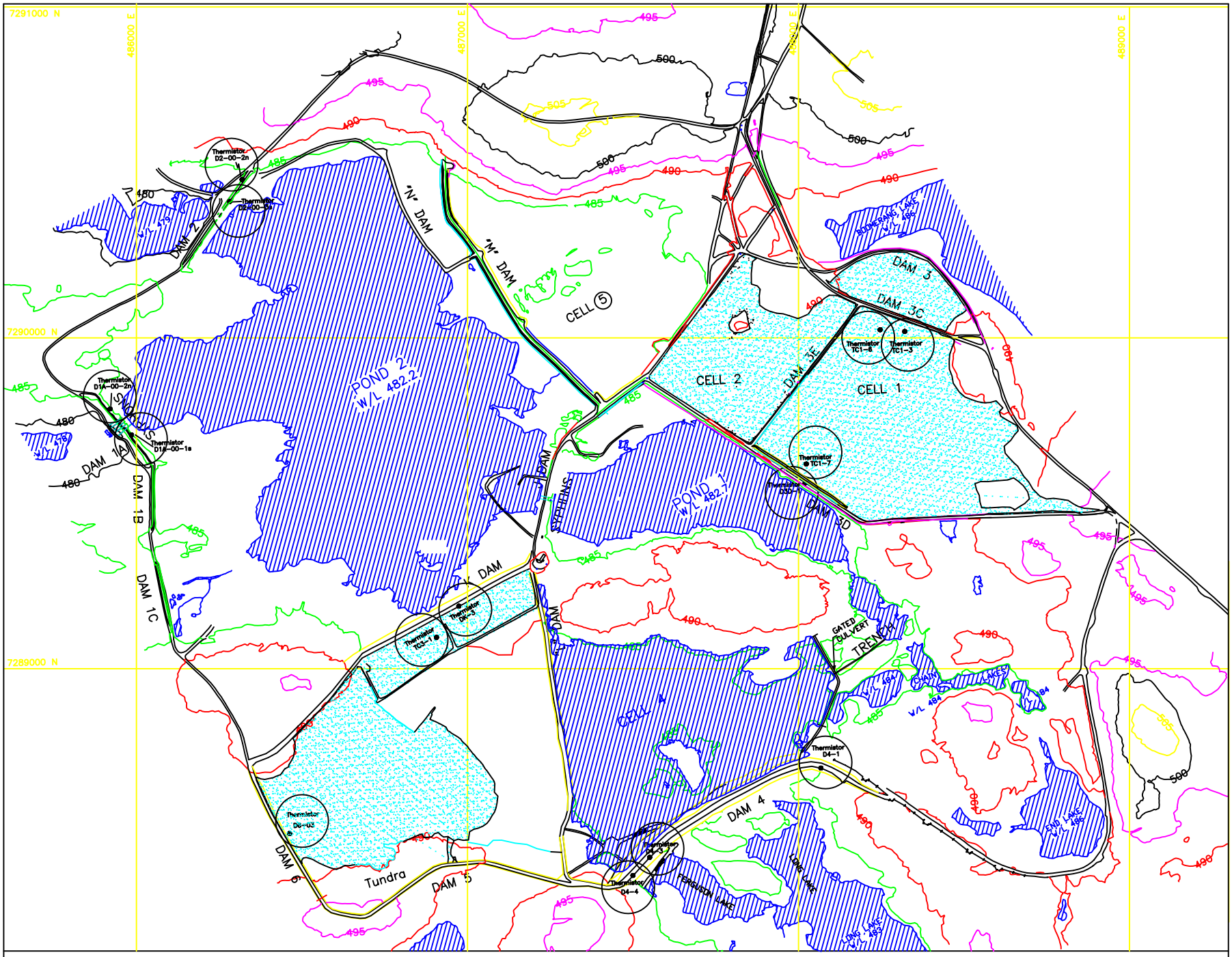


Figure 10 – TCA 2004 Thermistor Locations

MAP SCALE: 0 50 100 200 METERS

REVISIONS No	DATE	MADE BY	DESCRIPTION
1			
2	Aug/04	CHT	Cell 4 water
3	Jun/04	CHT	Pond 1,2 water levels
4	Oct/03	CHT	Updated Cell 3a, 3b
5	Feb/98	S.B.L.	Updated 1997 work

DATE	DRAWN BY	CHECKED	APPROVED
2004 Lupin TCA.dwg			

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LUPIN	DEVELOPMENT

LUPIN MINE
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MAP INDEX NUMBER	SCALE	DRAWING NUMBER