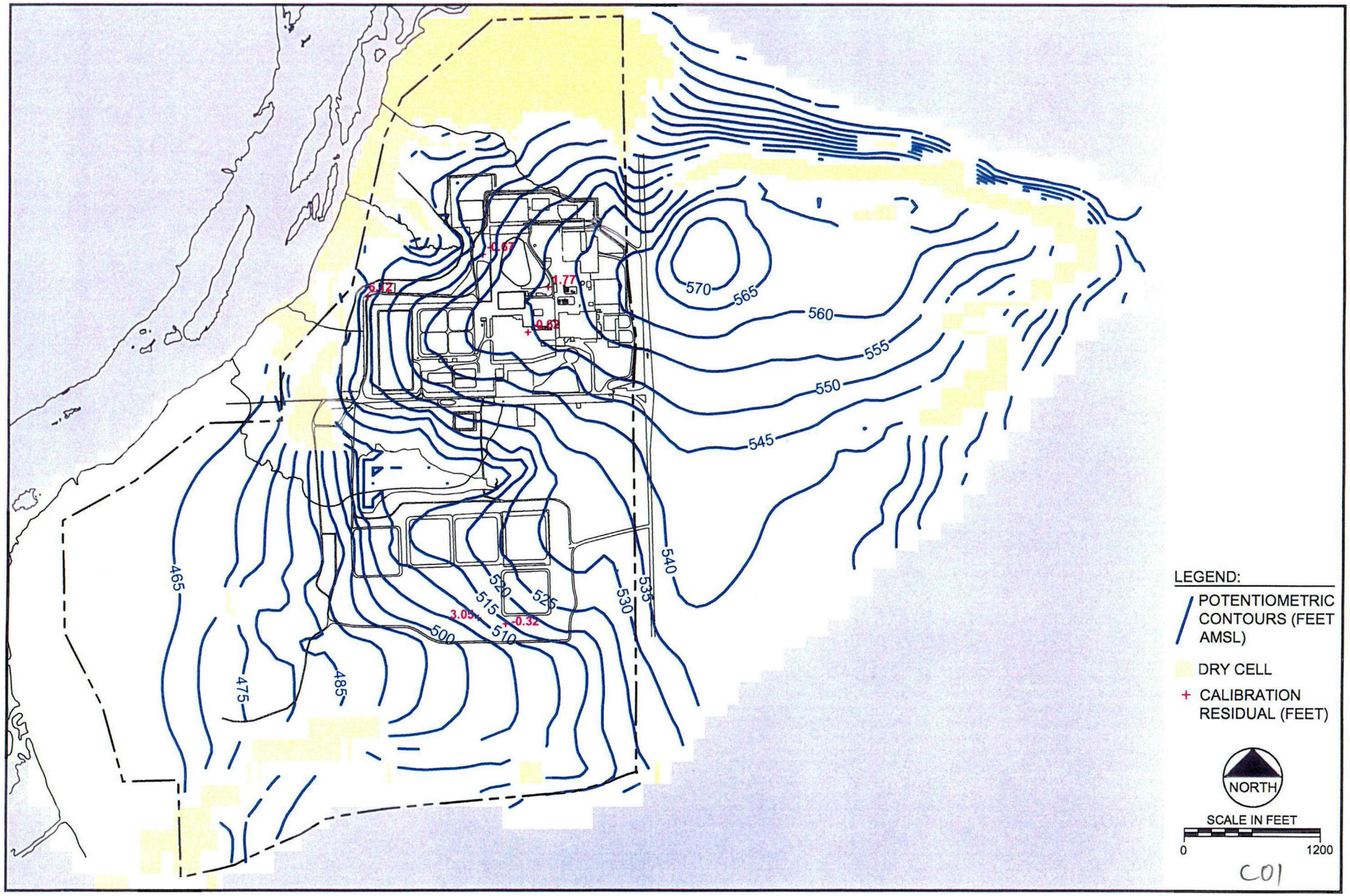

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FIGURE 8-21
LAYER 4
CALIBRATED HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	CAL-HEADS.dwg

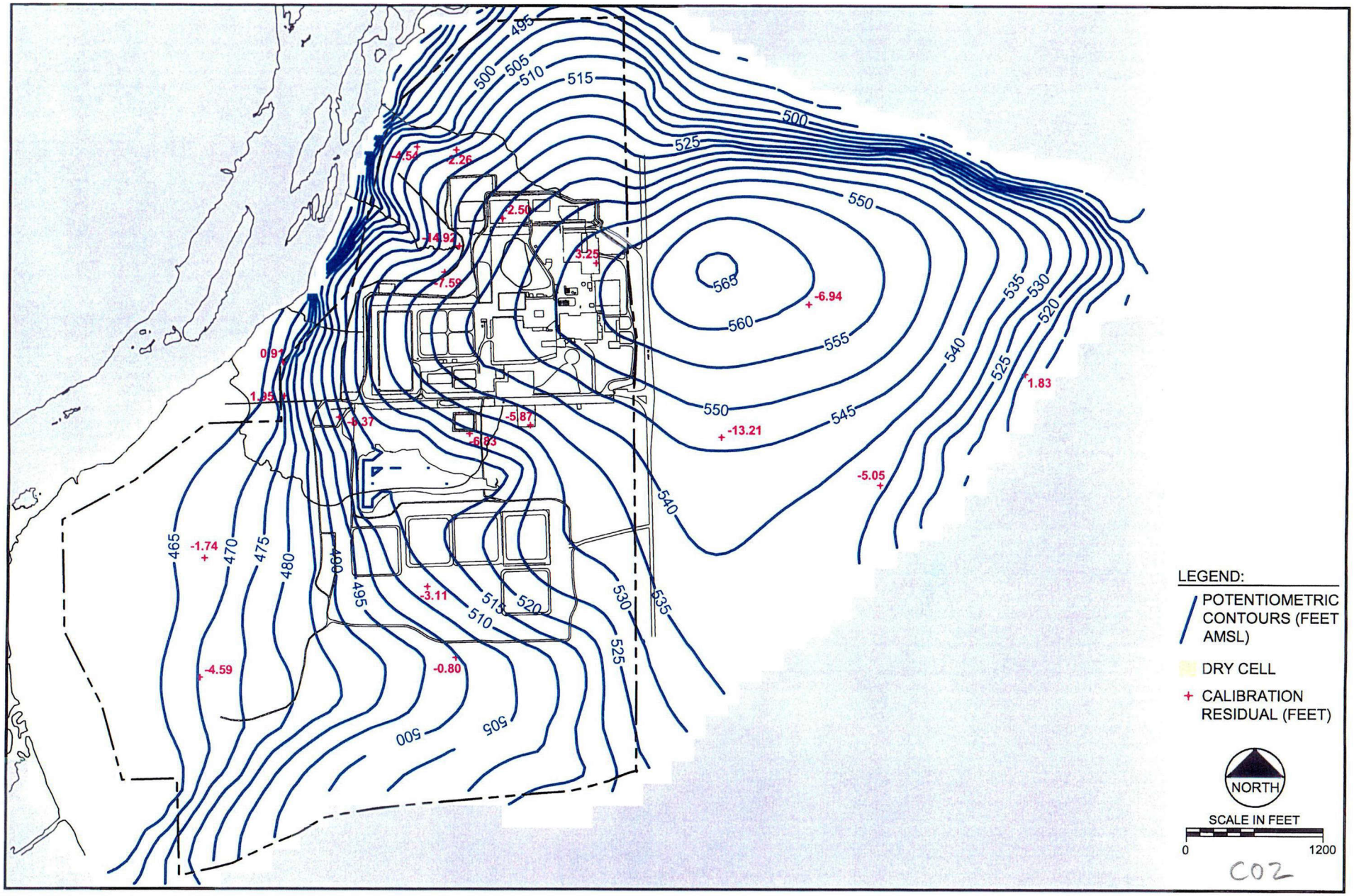

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FIGURE 8-22
LAYER 5
CALIBRATED HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	CAL-HEADS.dwg

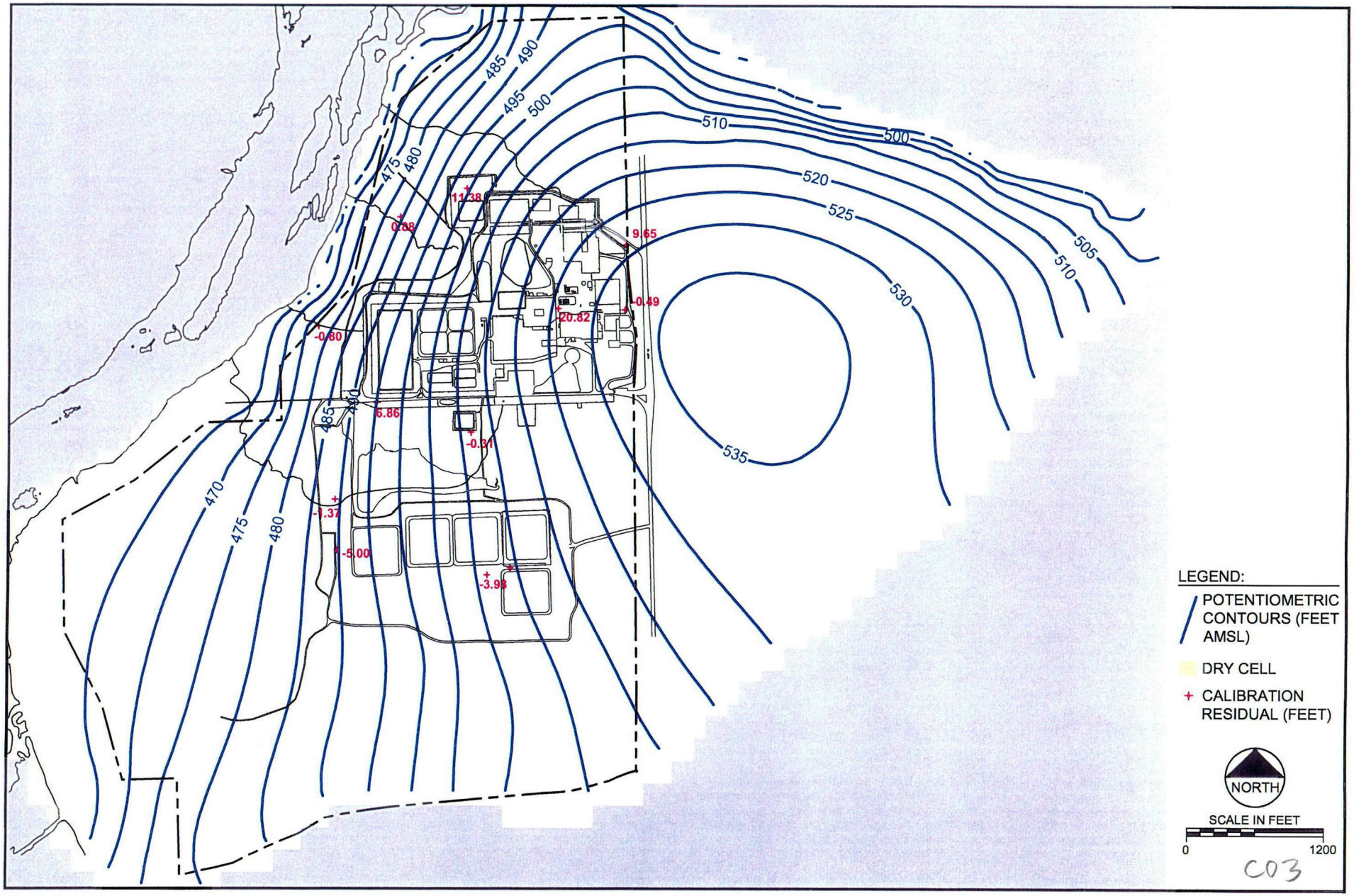

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FIGURE 8-23
LAYER 6
CALIBRATED HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	CAL-HEADS.dwg

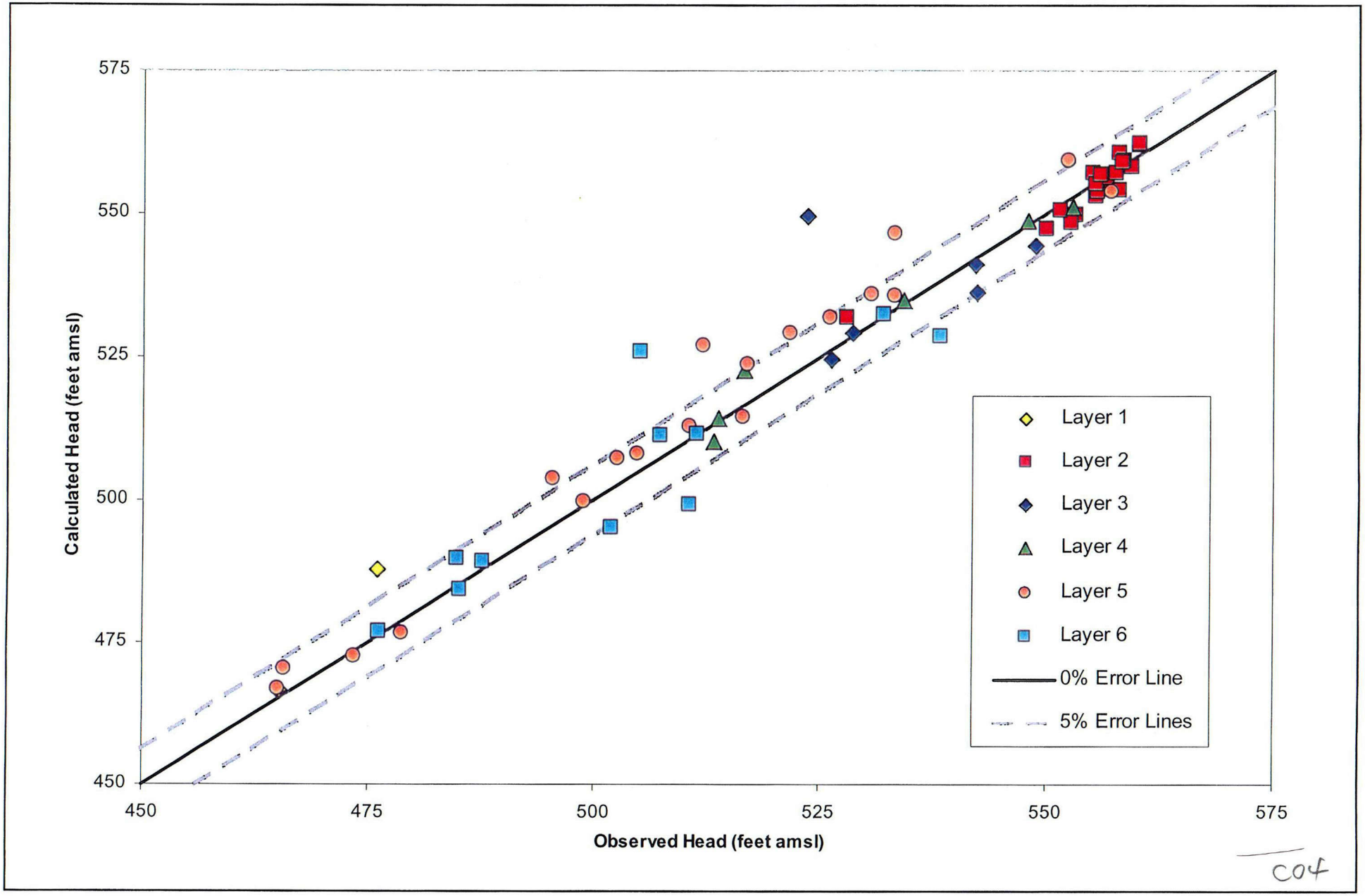

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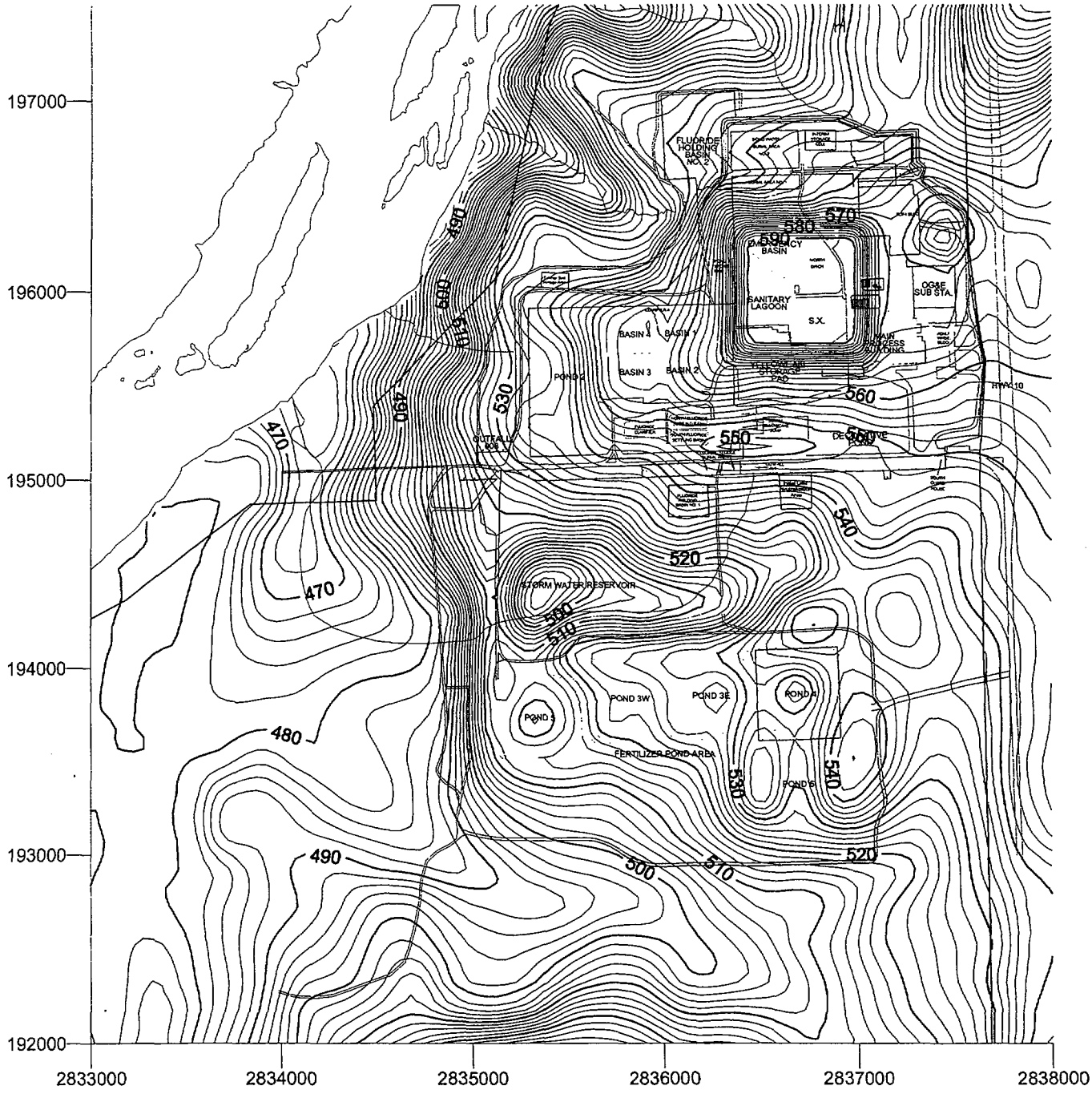
FIGURE 8-24
OBSERVED VS CALCULATED HEADS

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	SECTION8LAND.ppt



Elevations in feet above mean sea level.
Contour interval = 2 feet

consulting scientists and engineers	FIGURE 8-25 POST DECOMMISSIONING TOPOGRAPHY	Date: OCTOBER 2002 Project: P:\100734-2\REV RPT File: SECTION8.ppt

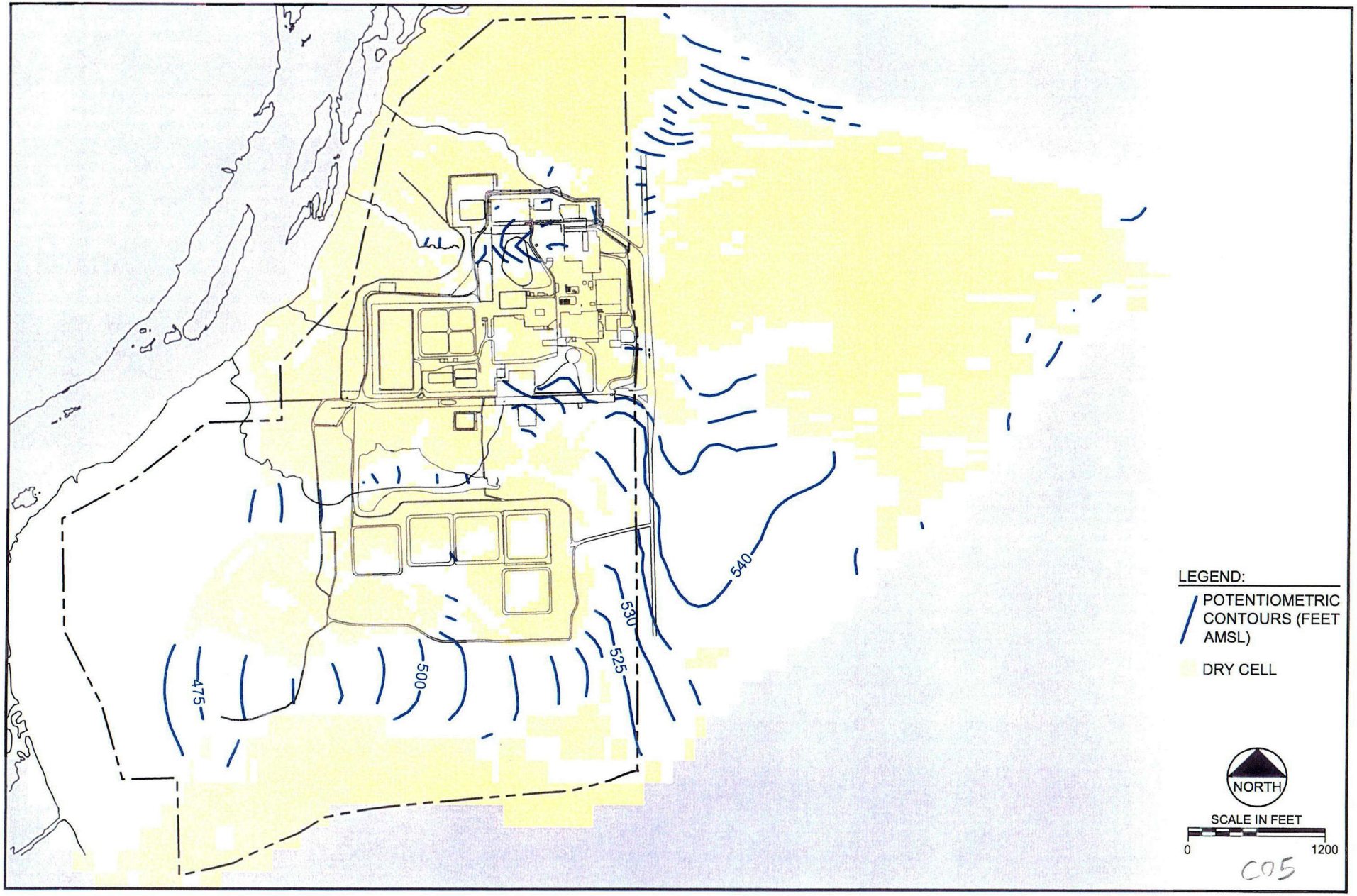


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FIGURE 8-26
LAYER 1
LONG-TERM HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	LONG-TERM.dwg

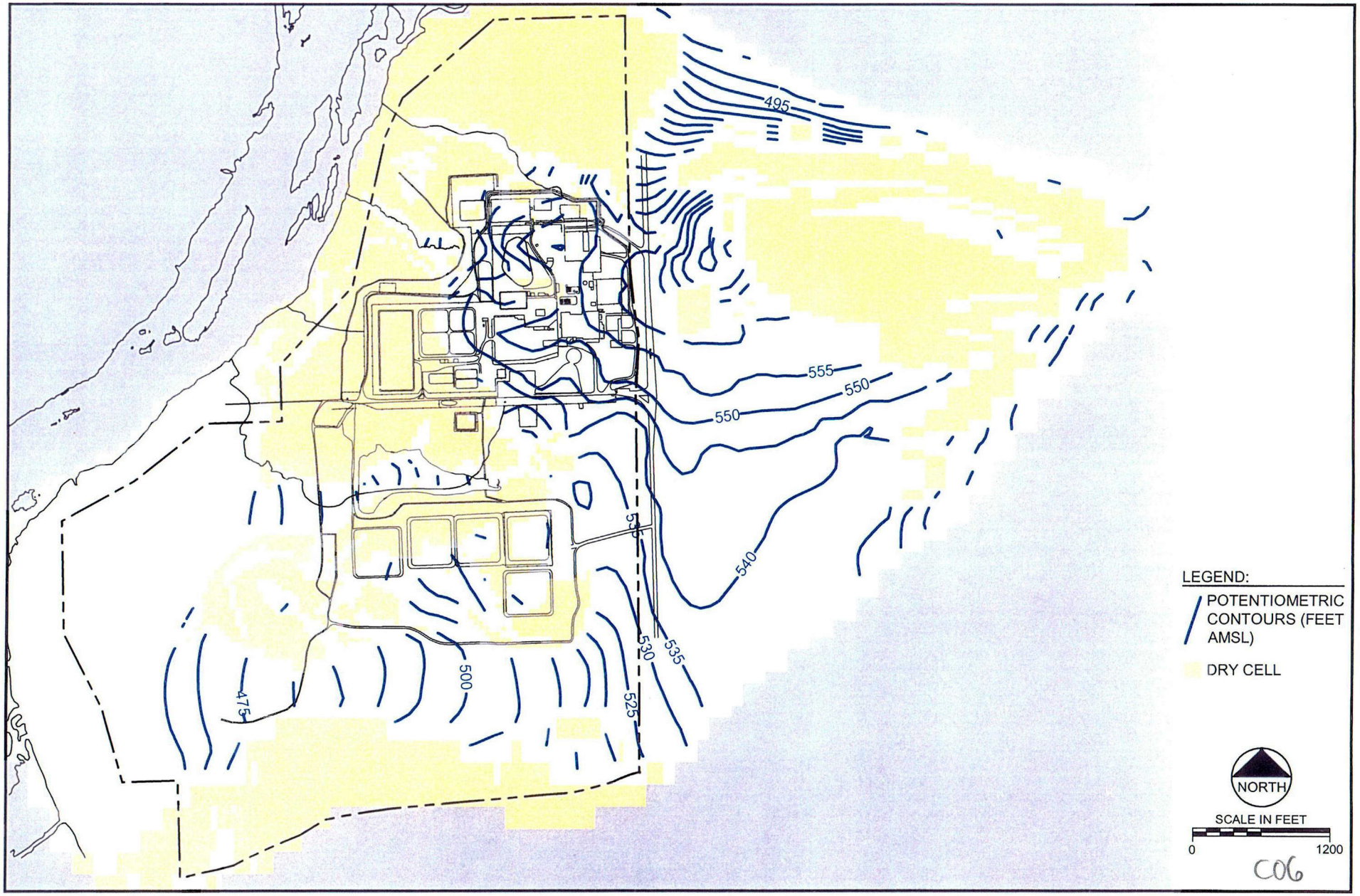

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FIGURE 8-27
LAYER 2
LONG-TERM HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	LONG-TERM.dwg

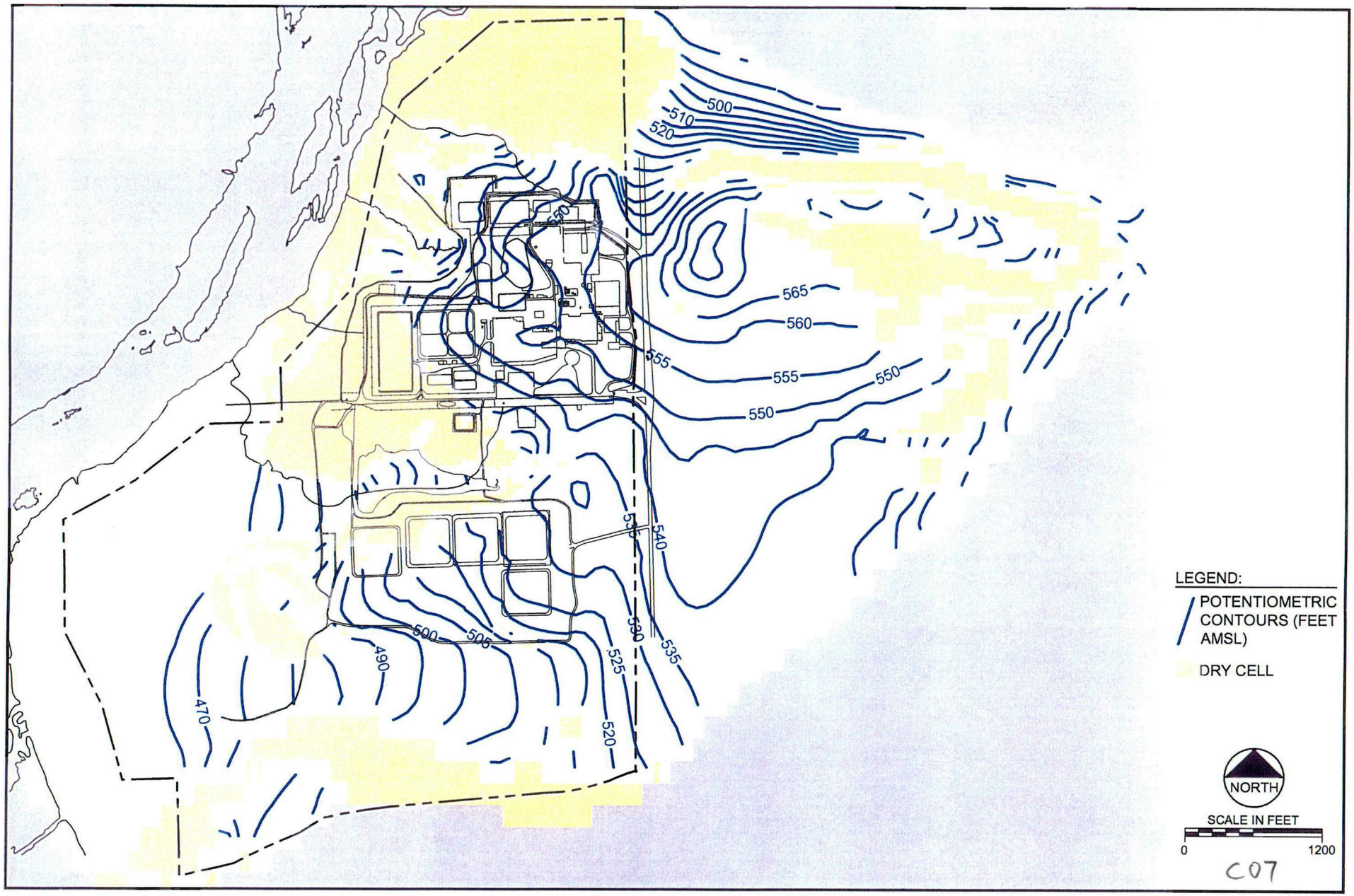

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FIGURE 8-28
LAYER 3
LONG-TERM HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	LONG-TERM.dwg

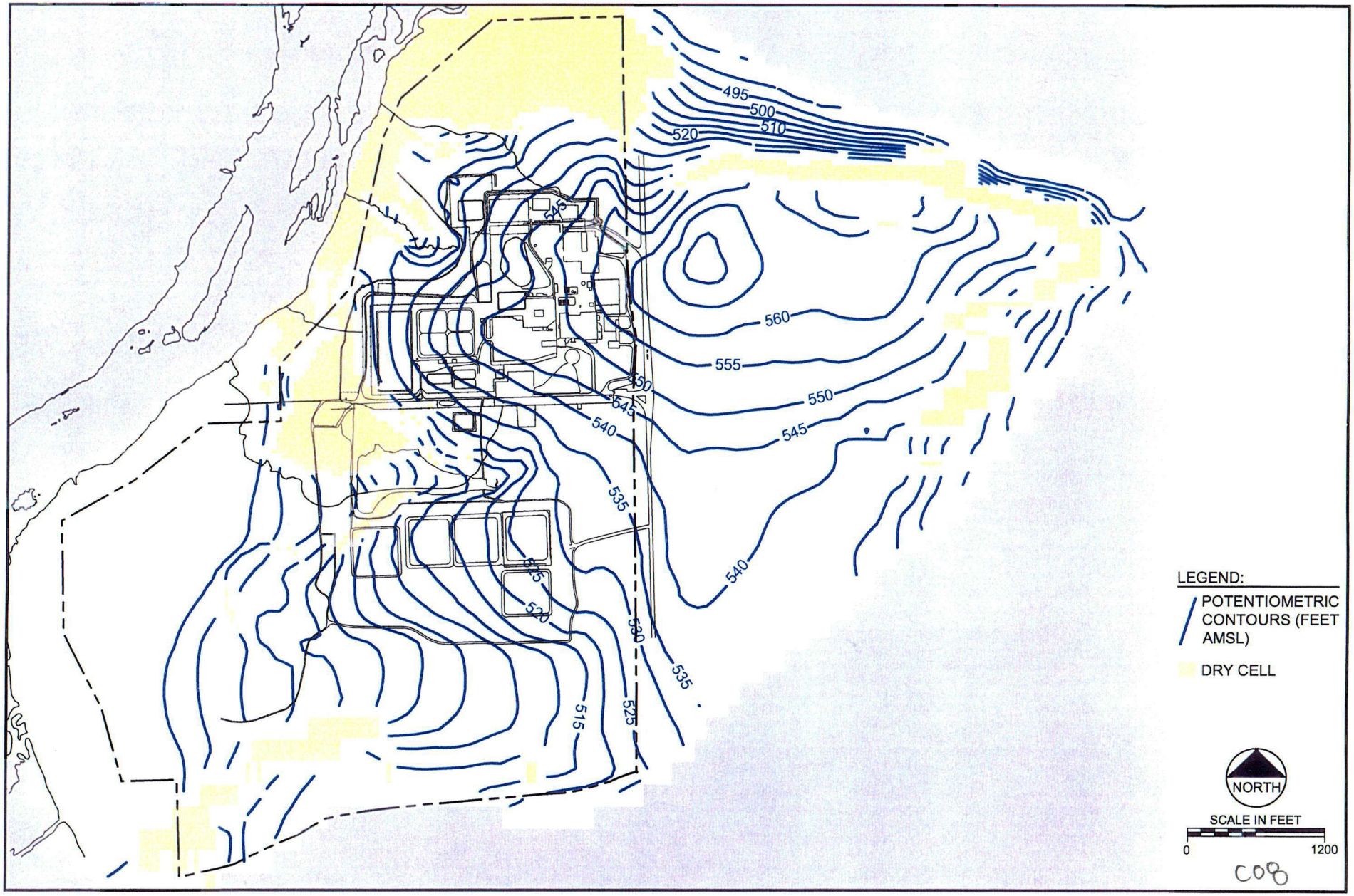

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FIGURE 8-29
LAYER 4
LONG-TERM HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	LONG-TERM.dwg

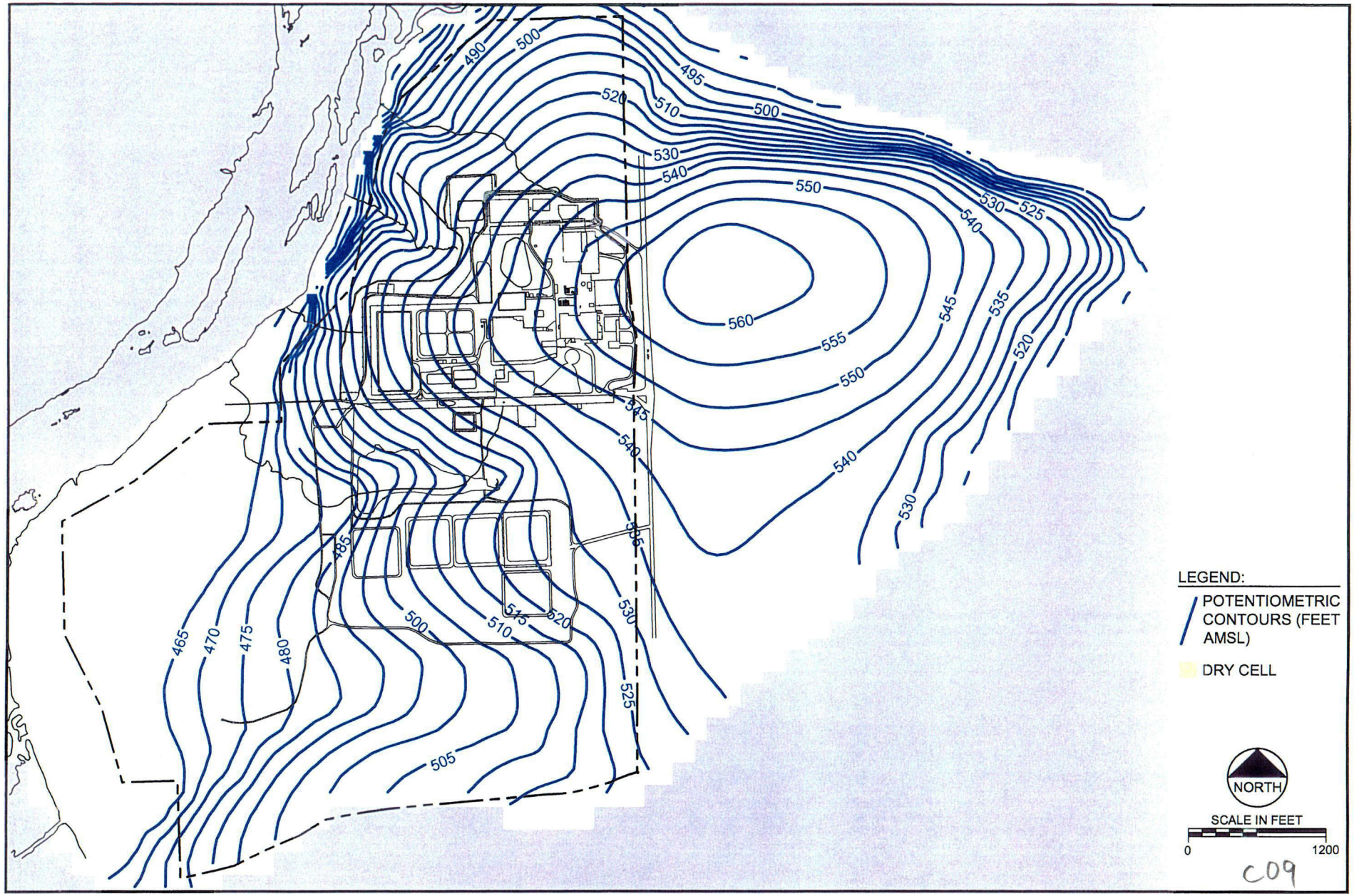

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FIGURE 8-30
LAYER 5
LONG-TERM HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	LONG-TERM.dwg

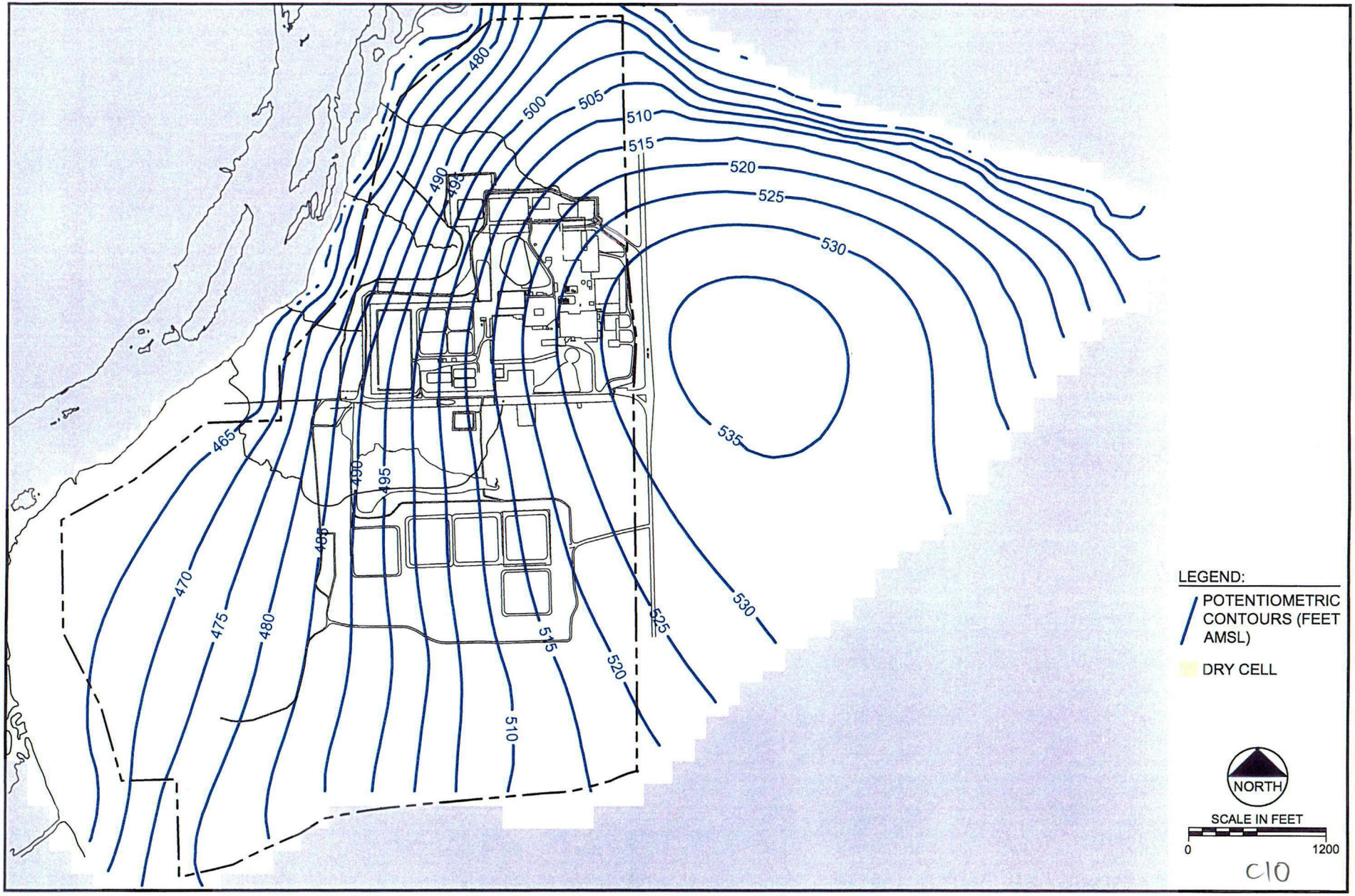

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FIGURE 8-31
LAYER 6
LONG-TERM HEADS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	LONG-TERM.dwg

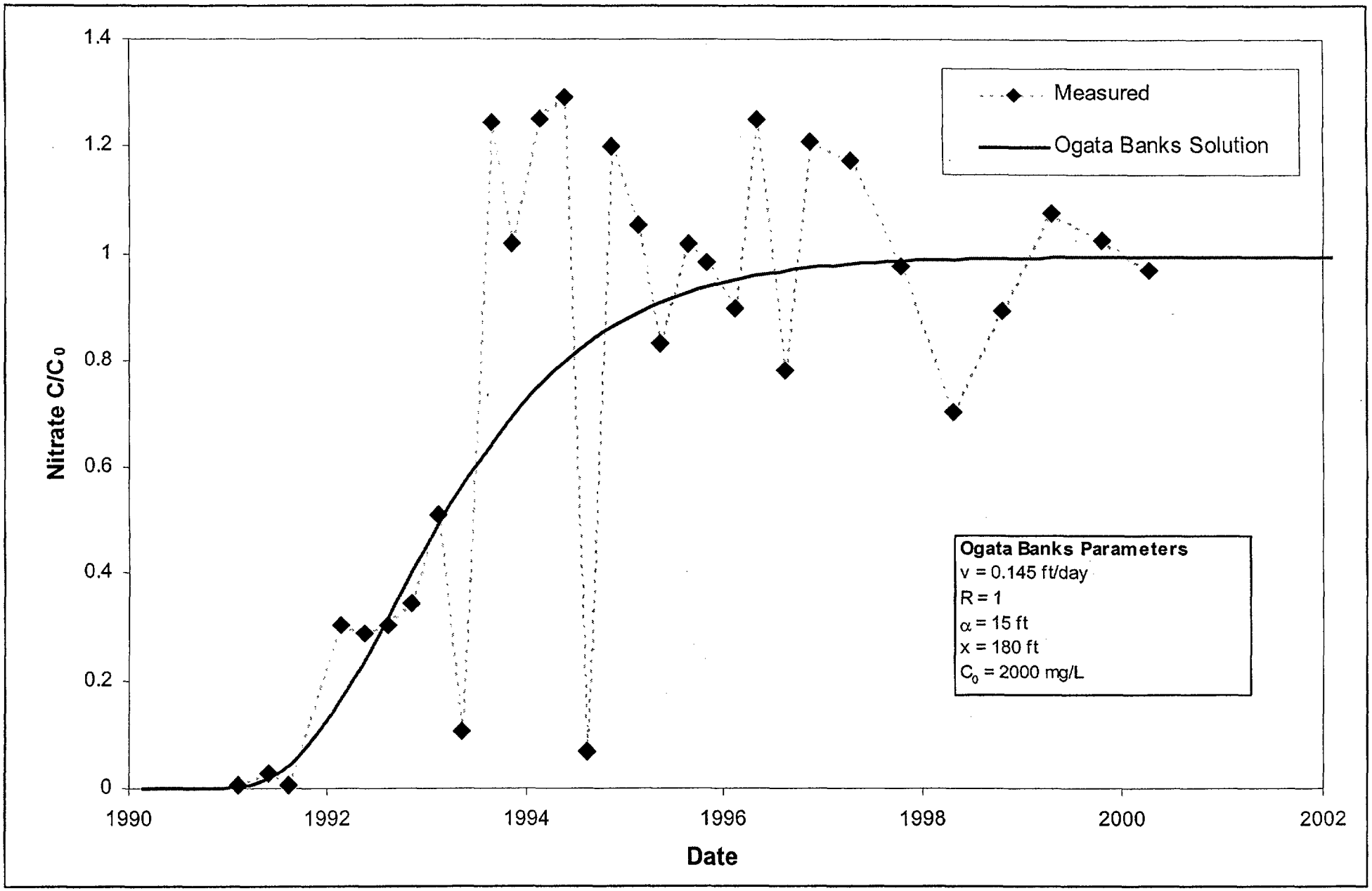

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FIGURE 8-32
ONE DIMENSIONAL TRANSPORT ANALYSIS, 2322A

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	1D TRANSPORT.ppt

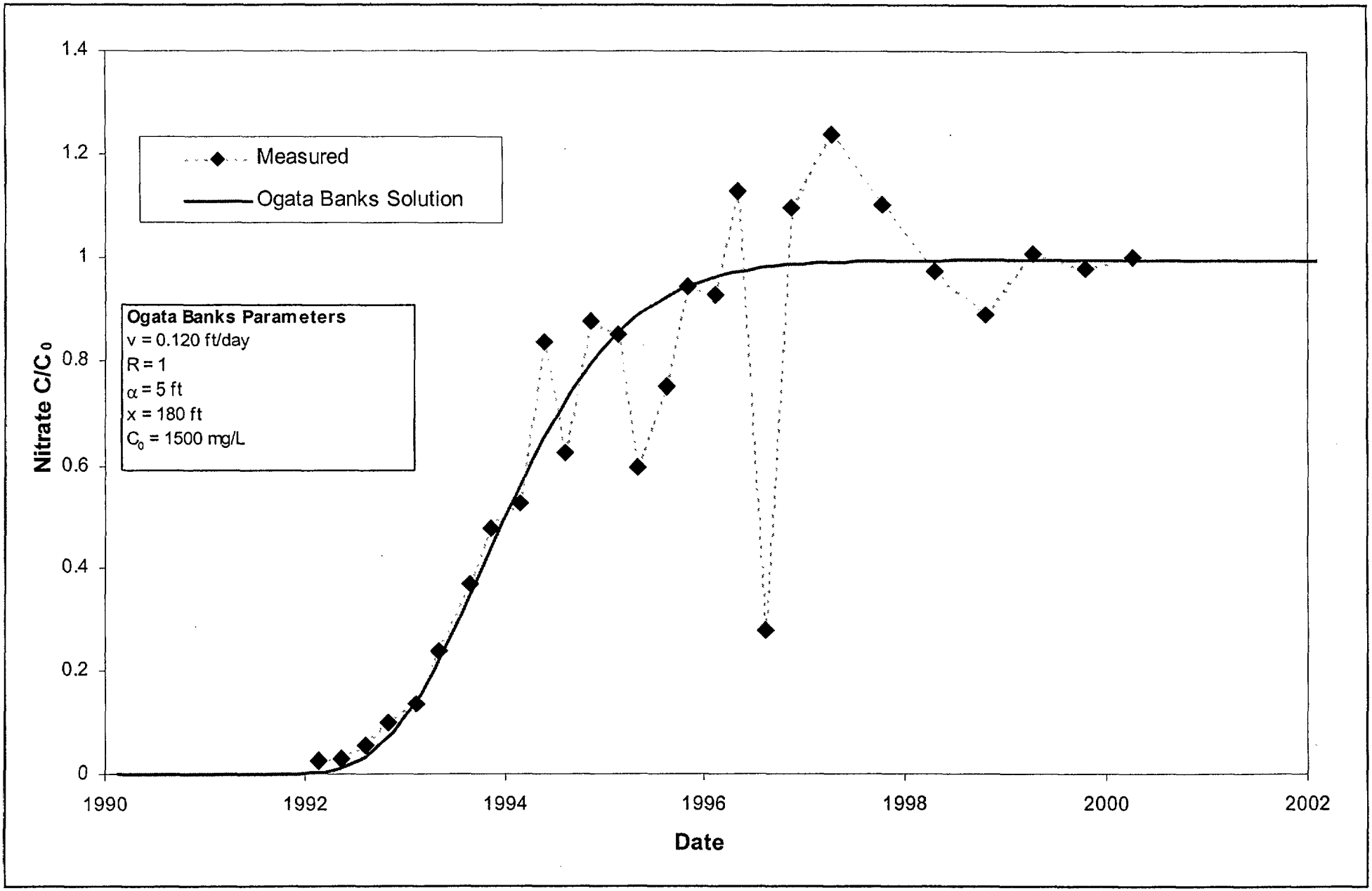

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FIGURE 8-33
ONE DIMENSIONAL TRANSPORT ANALYSIS, 2341

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	1D TRANSPORT.ppt

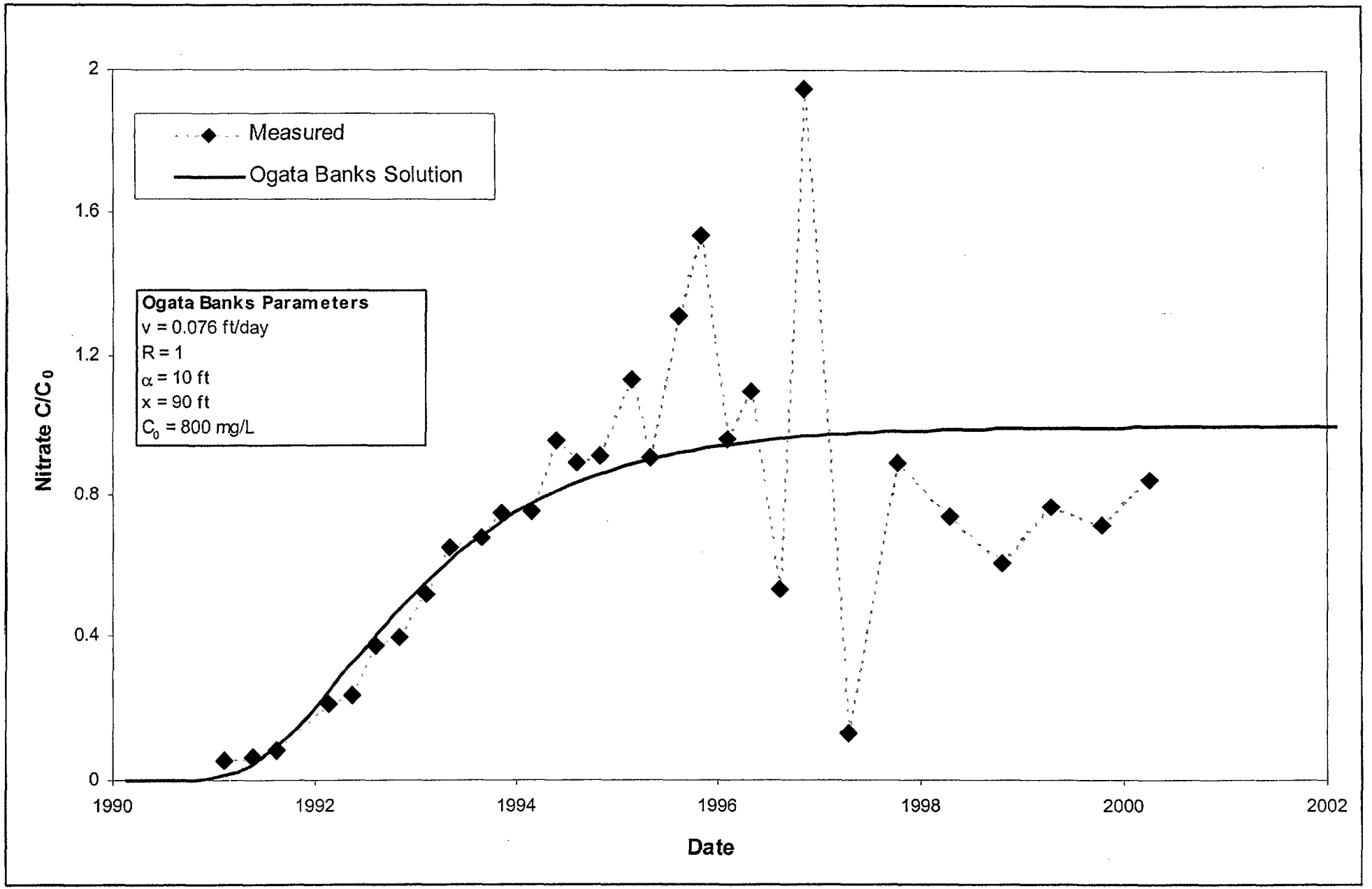

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FIGURE 8-34
ONE DIMENSIONAL TRANSPORT ANALYSIS, 2354

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	1D TRANSPORT.ppt

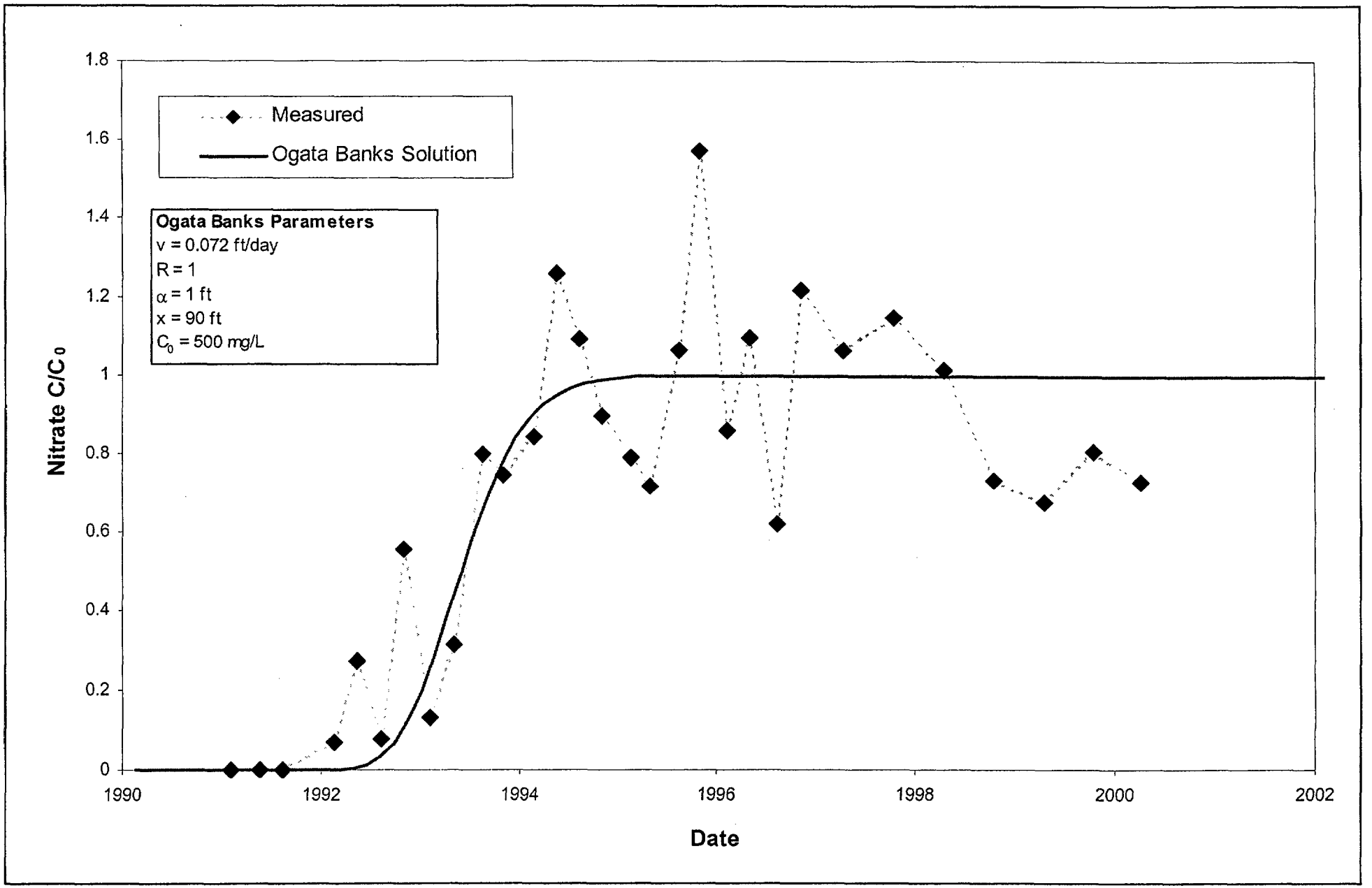

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FIGURE 8-35
ONE DIMENSIONAL TRANSPORT ANALYSIS, 2356

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	1D TRANSPORT.ppt

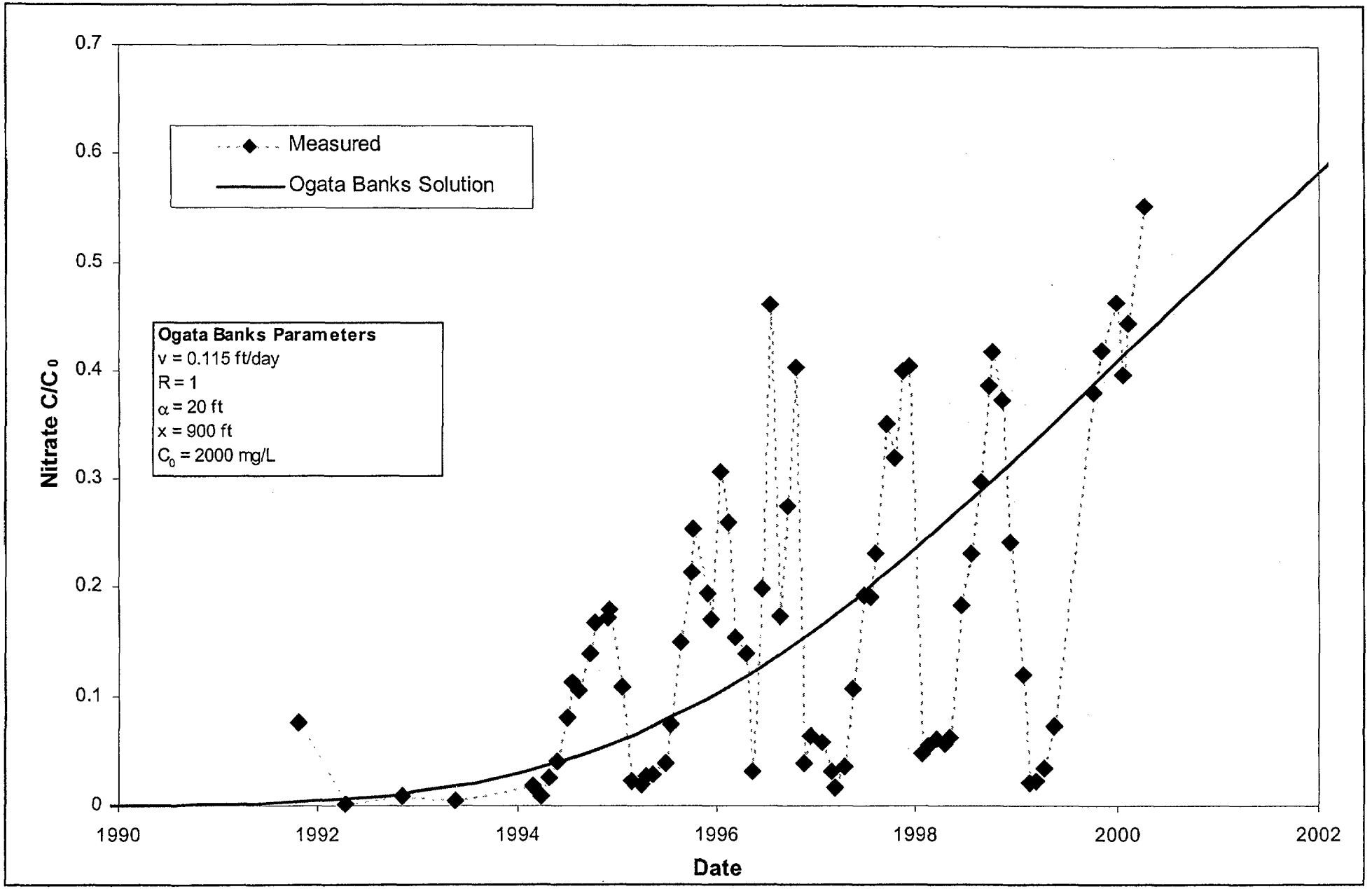

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FIGURE 8-36
ONE DIMENSIONAL TRANSPORT ANALYSIS, MW095A

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	1D TRANSPORT.ppt

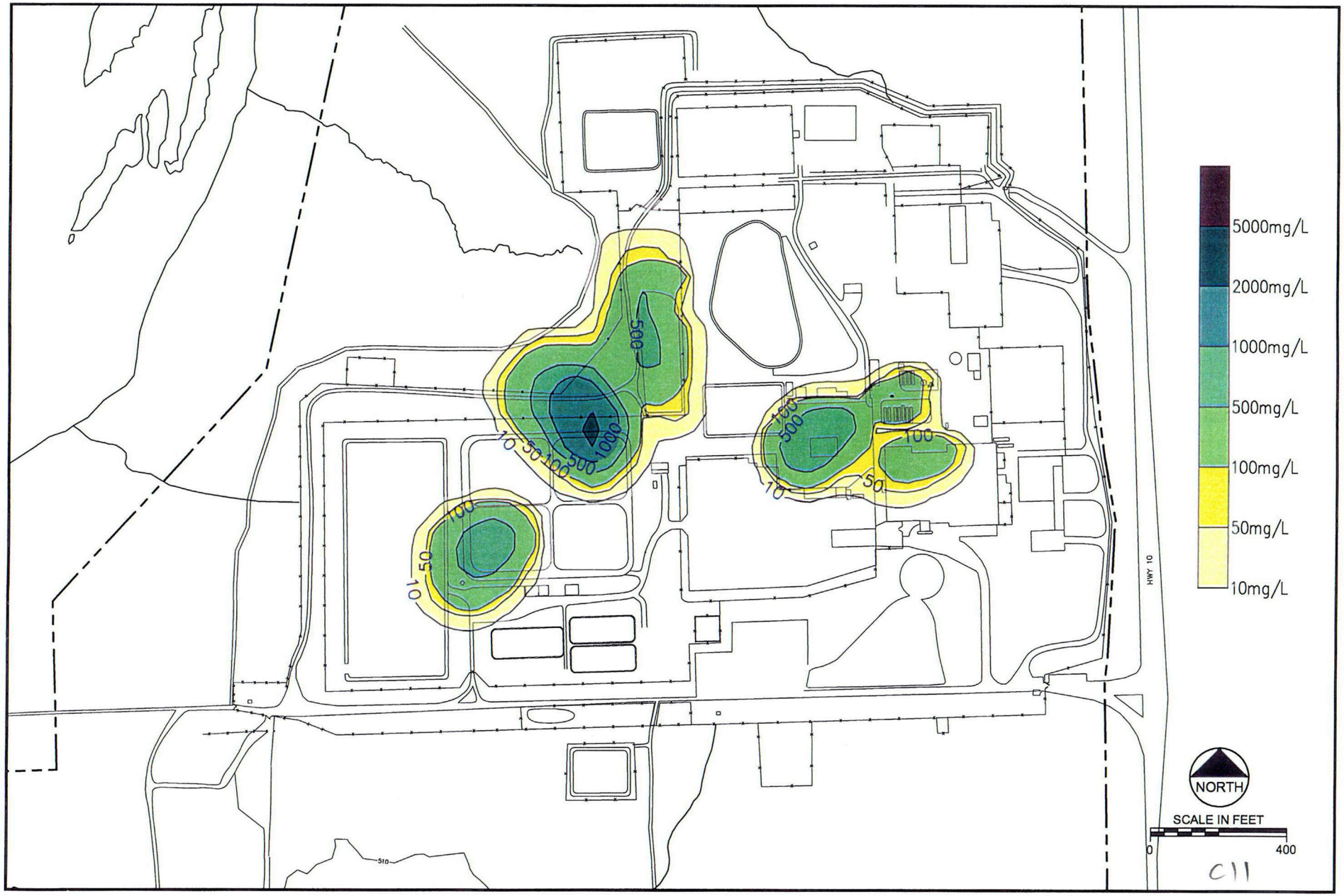

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FIGURE 8-37
NITRATE CALIBRATION INITIAL CONCENTRATIONS LAYER 1

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-NIT.DWG

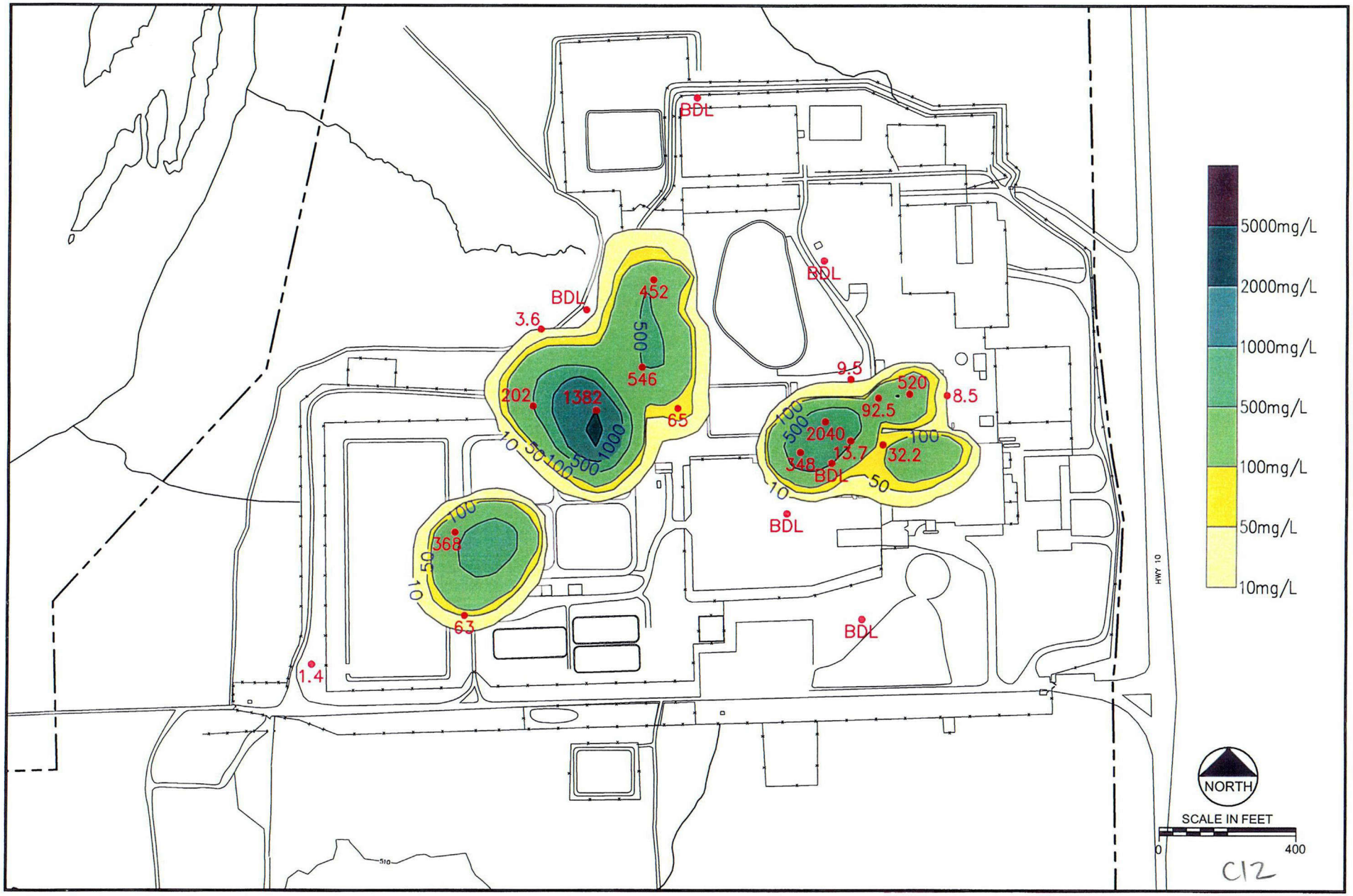

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FIGURE 8-38
NITRATE CALIBRATION INITIAL CONCENTRATIONS LAYER 2

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-NIT.DWG

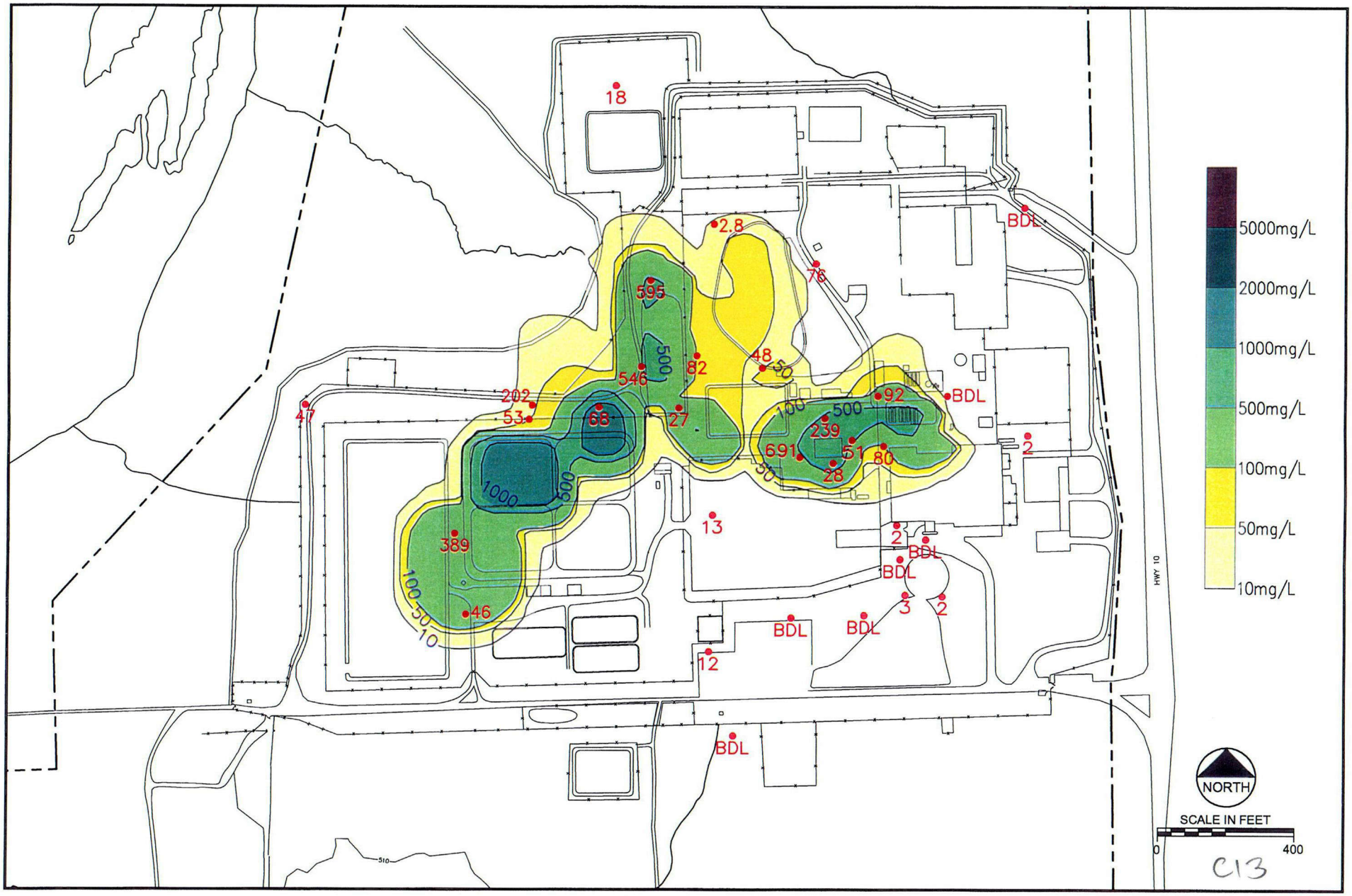

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FIGURE 8-39
NITRATE CALIBRATION INITIAL CONCENTRATIONS LAYER 3

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-NIT.DWG

Filename: E:\100734\REVISED-2002-AUG\Initial-NIT.dwg
Date: 08/15/2002
Time: 16:01:37.09

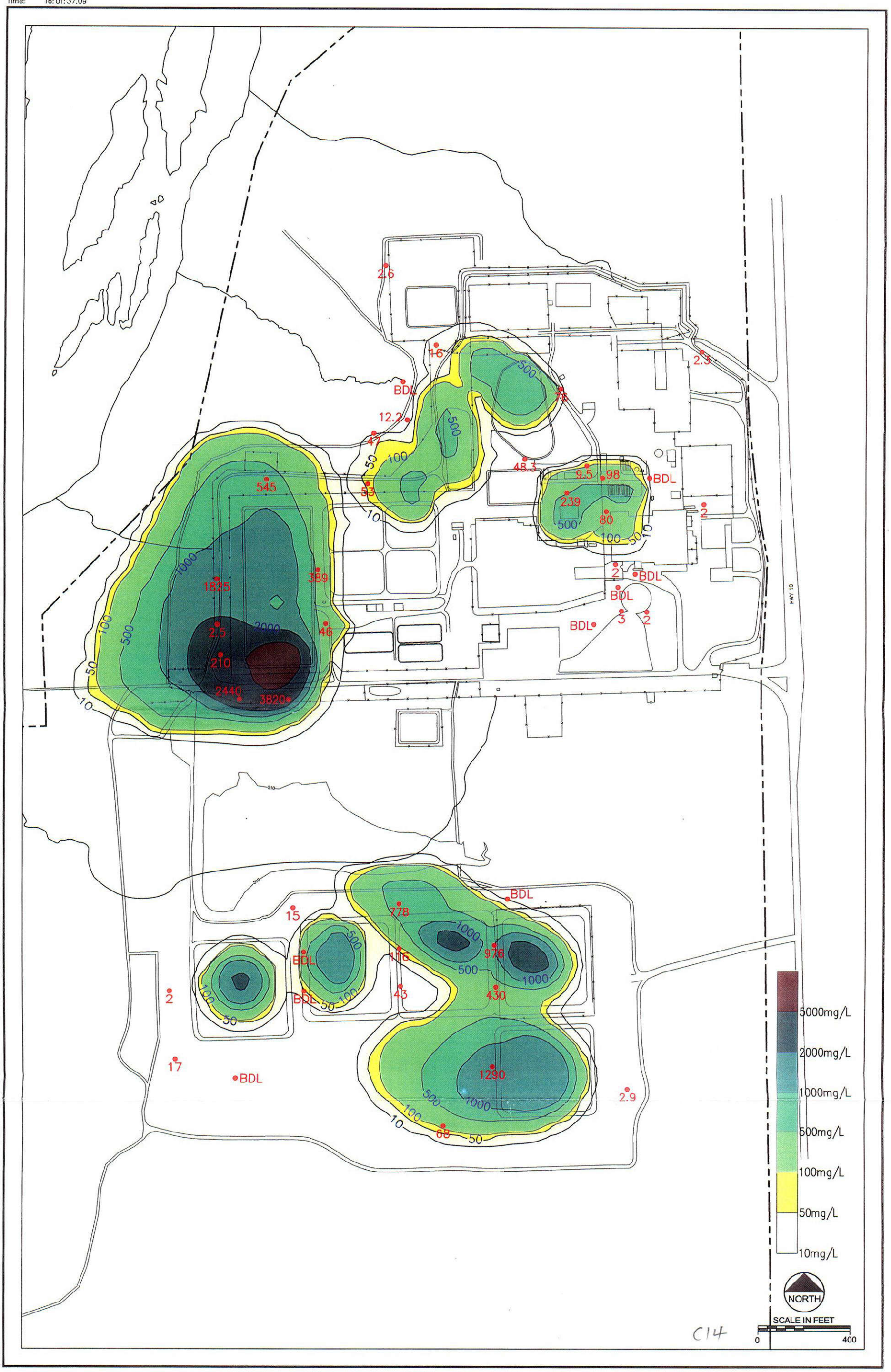

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FIGURE 8-40
NITRATE CALIBRATION INITIAL CONCENTRATIONS LAYER 4

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	INITIAL-NIT.DWG

Filename: C:\100734\REVISED -2002-AUG\Initial-NIT.dwg
Date: 08/15/2002
Time: 16:01:37.09

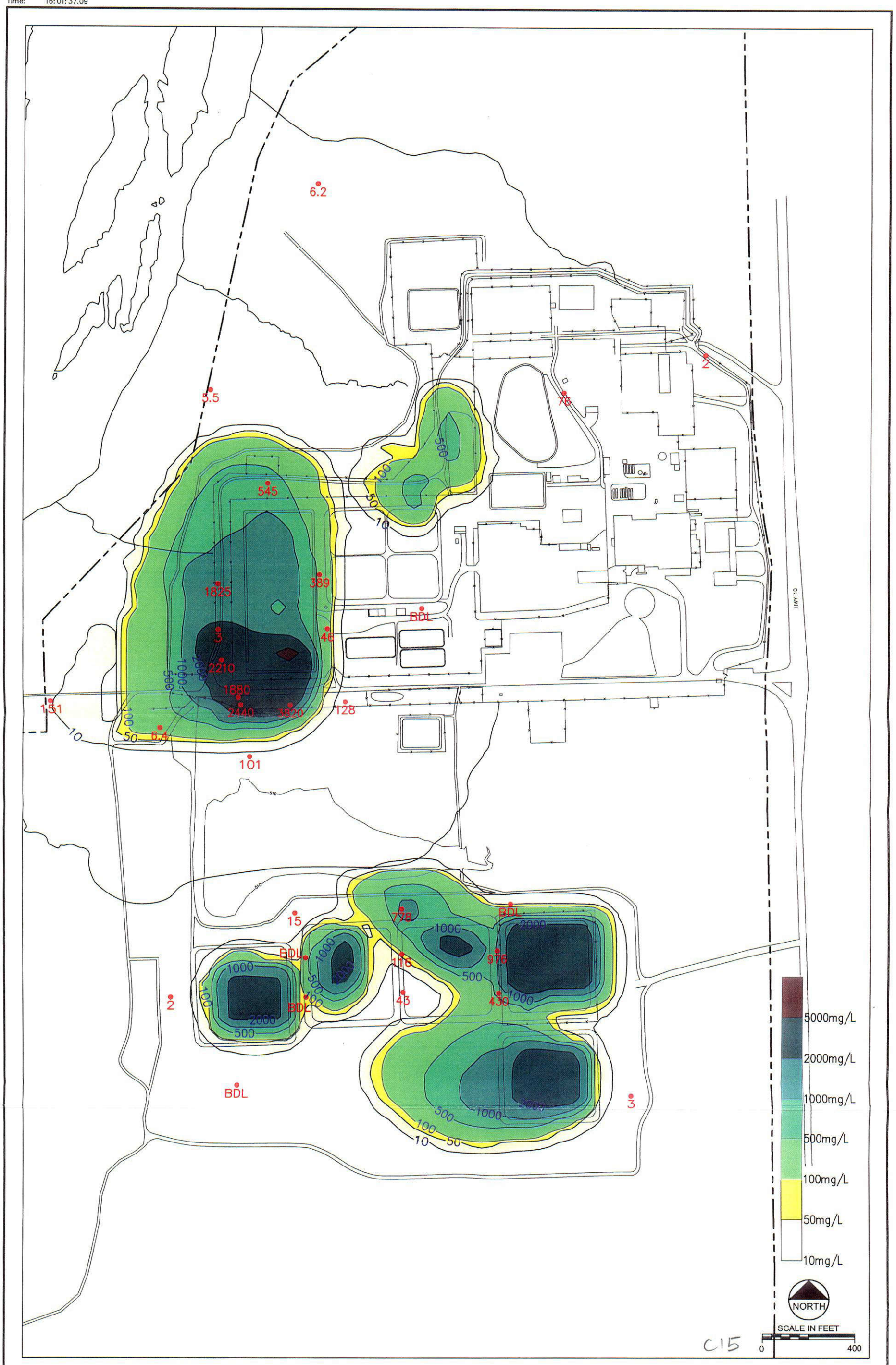

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FIGURE 8-41
NITRATE CALIBRATION INITIAL CONCENTRATIONS LAYER 5

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	INITIAL-NIT.DWG

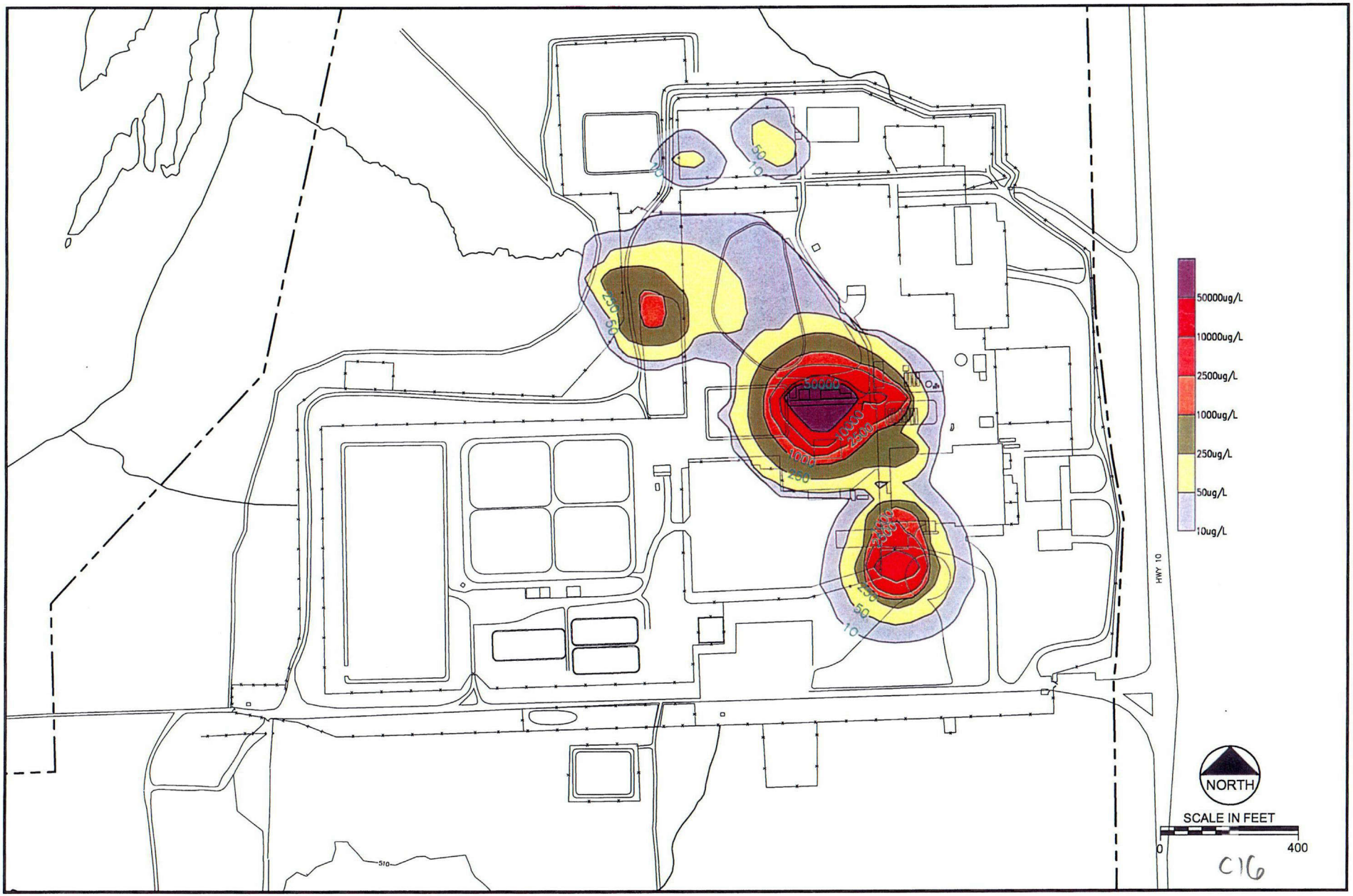

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FIGURE 8-42
URANIUM CALIBRATION INITIAL CONCETRATIONS LAYER 1

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-U.DWG

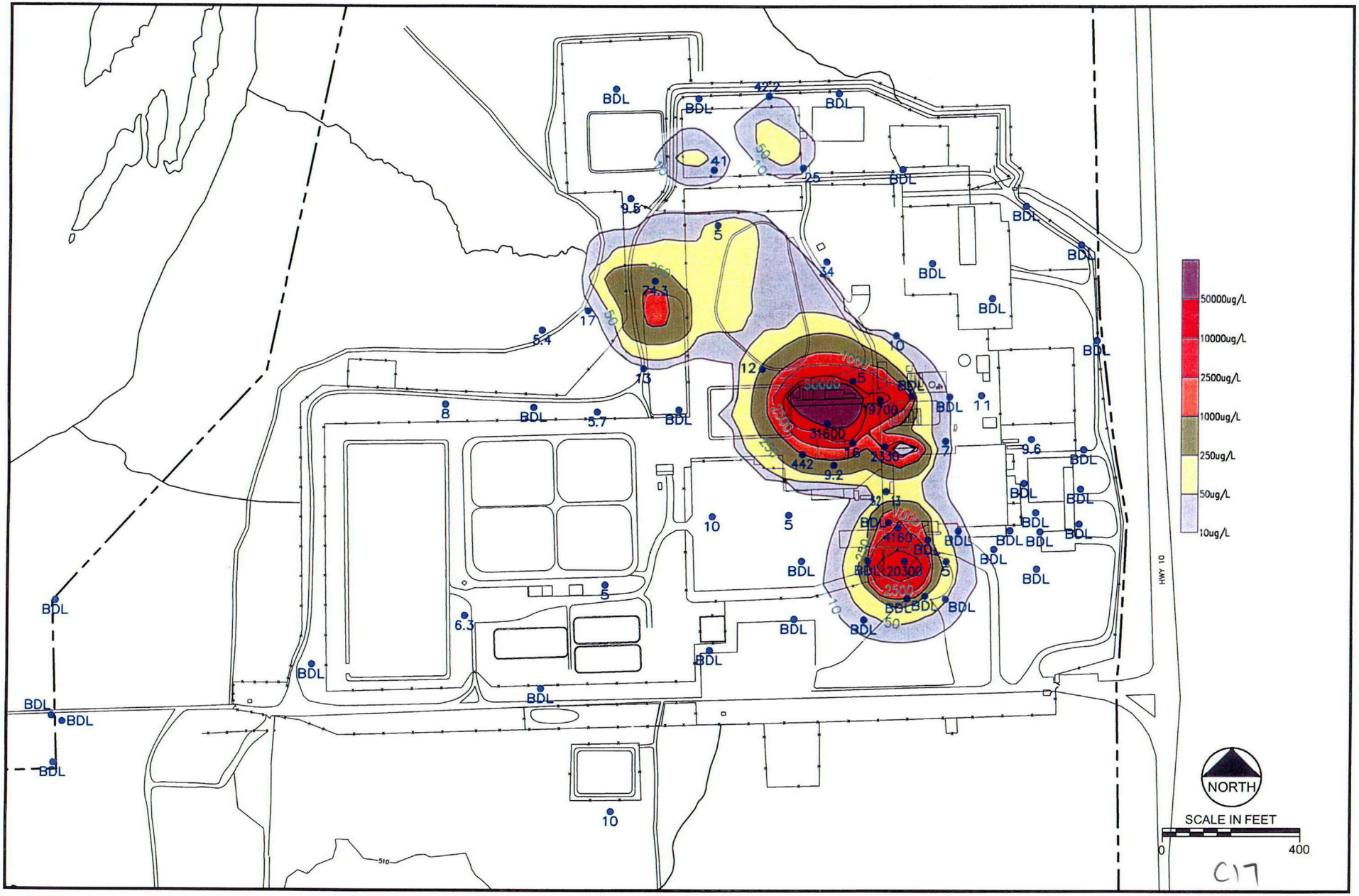

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FIGURE 8-43
URANIUM CALIBRATION INITIAL CONCENTRATIONS LAYER 2

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-U.DWG

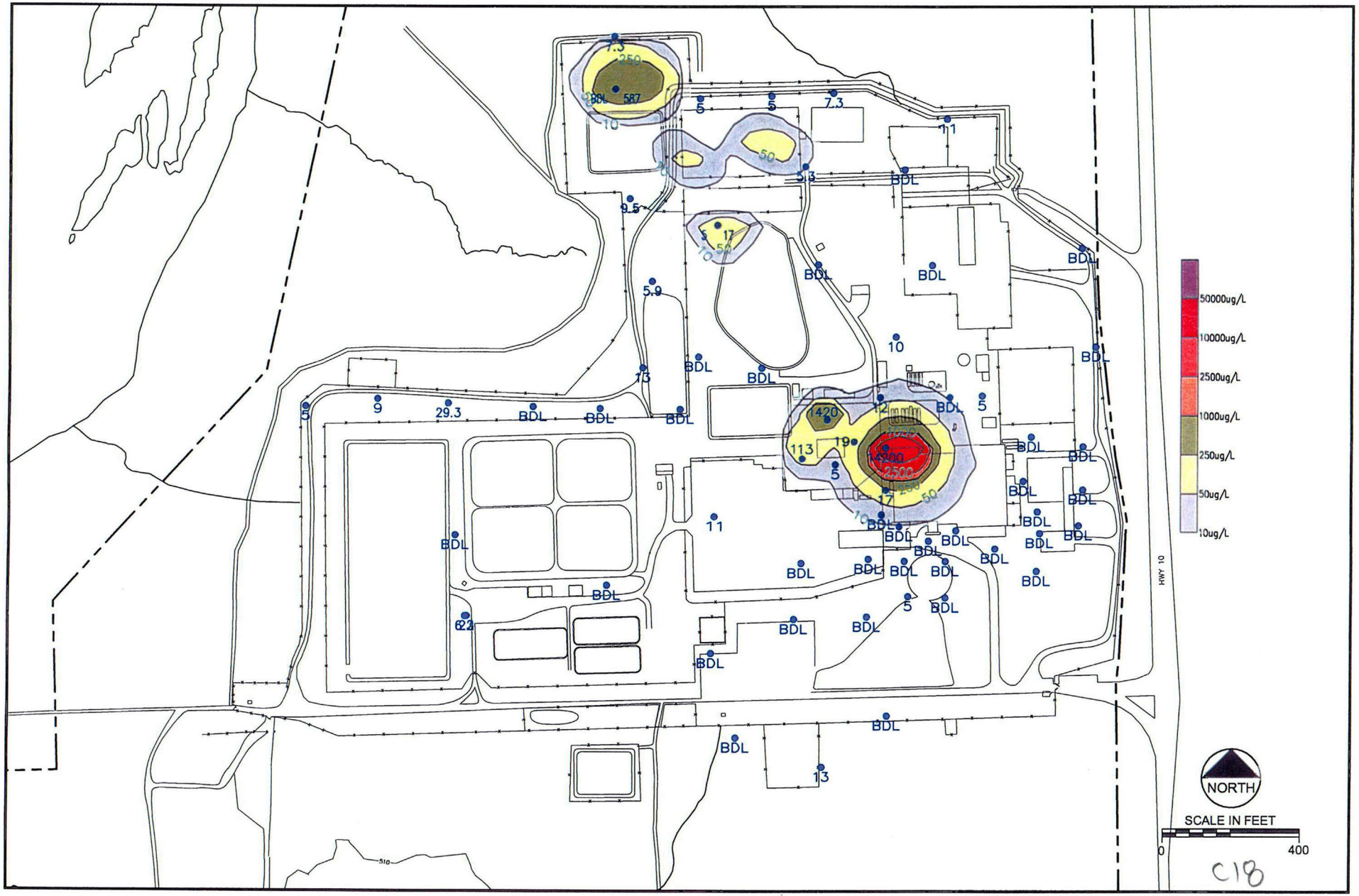

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FIGURE 8-44
URANIUM CALIBRATION INITIAL CONCENTRATIONS LAYER 3

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-U.DWG

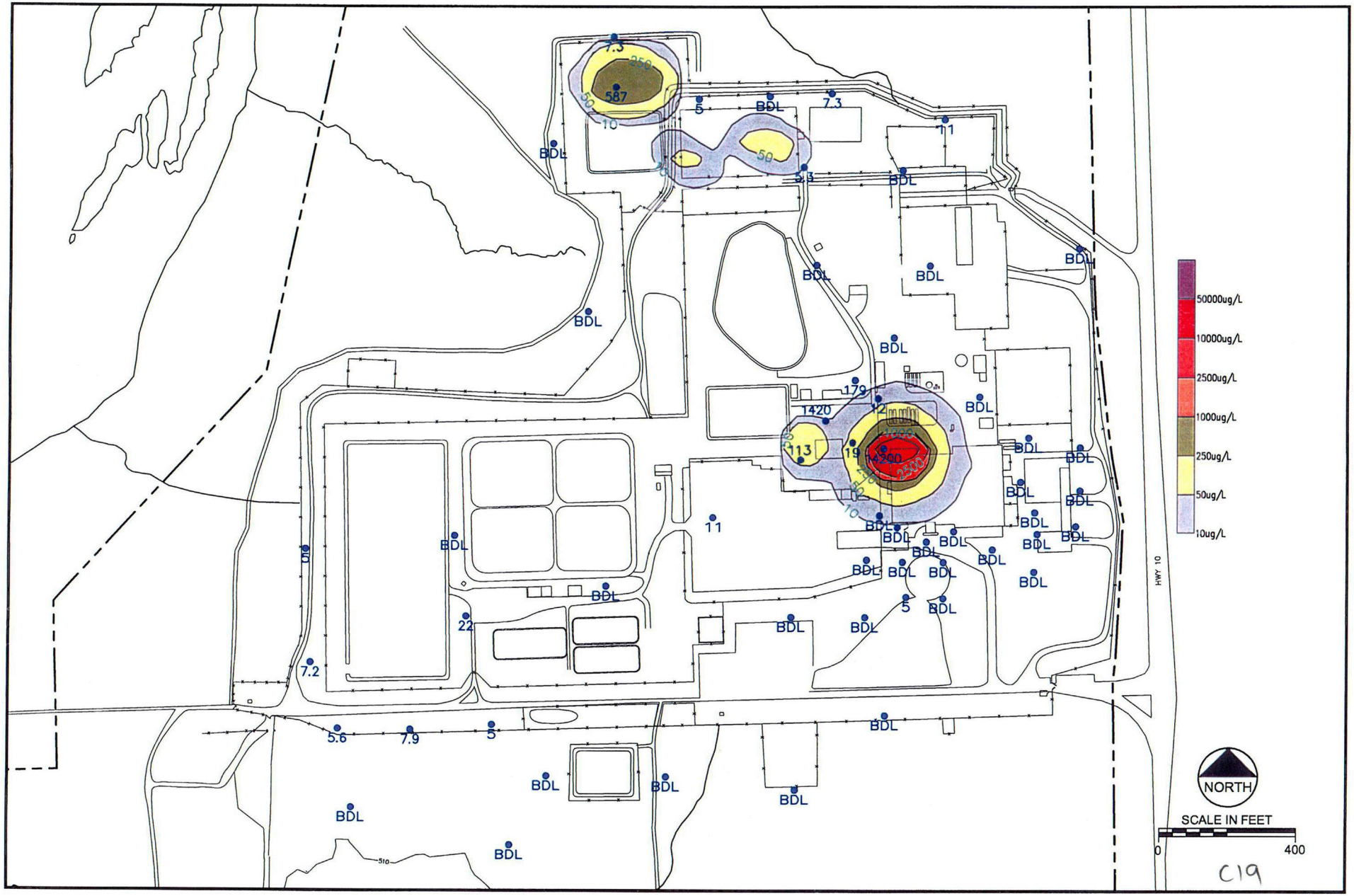

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FIGURE 8-45
URANIUM CALIBRATION INITIAL CONCENTRATIONS LAYER 4

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-U.DWG

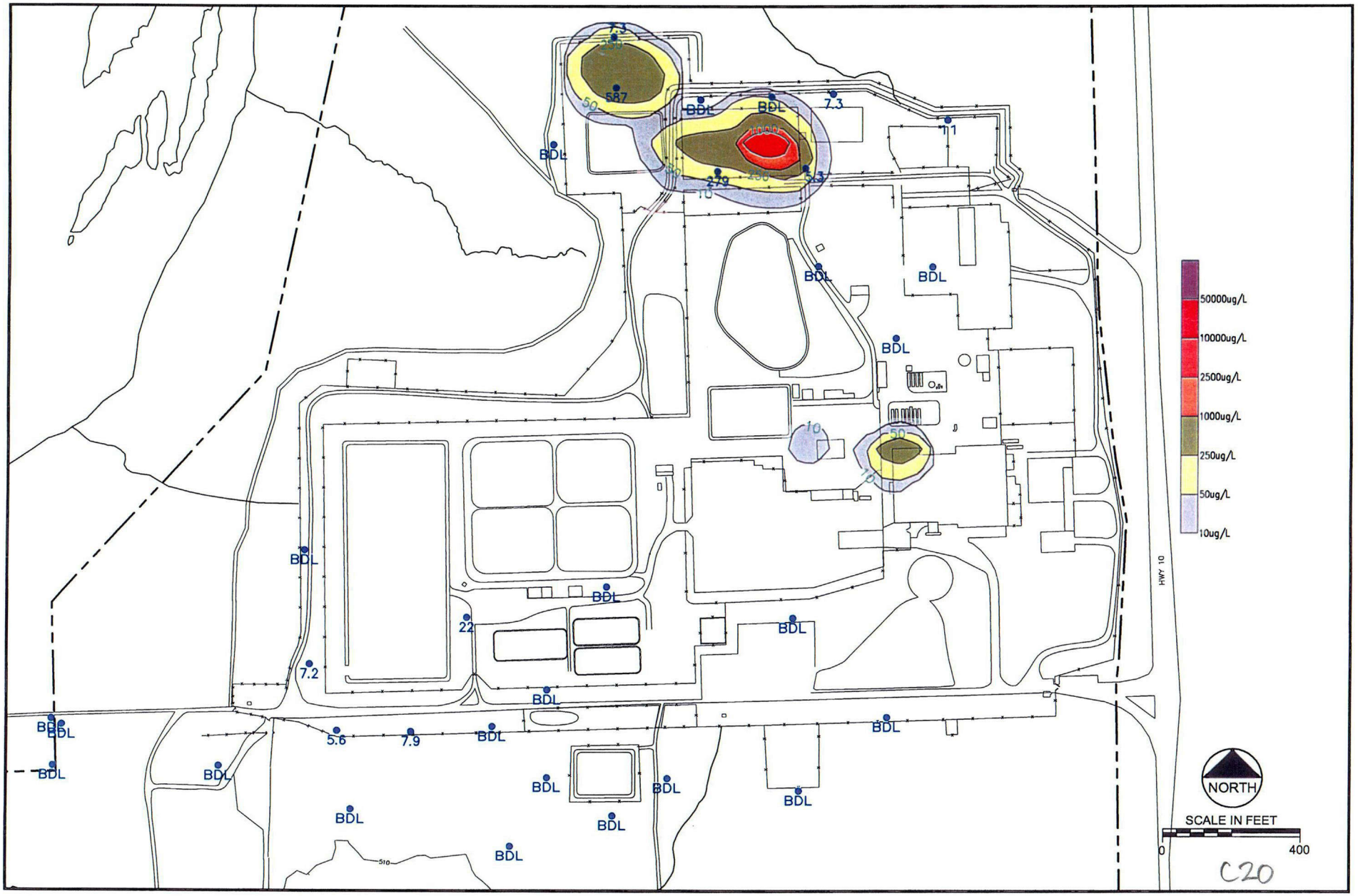

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FIGURE 8-46
URANIUM CALIBRATION INITIAL CONCENTRATIONS LAYER 5

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-U.DWG

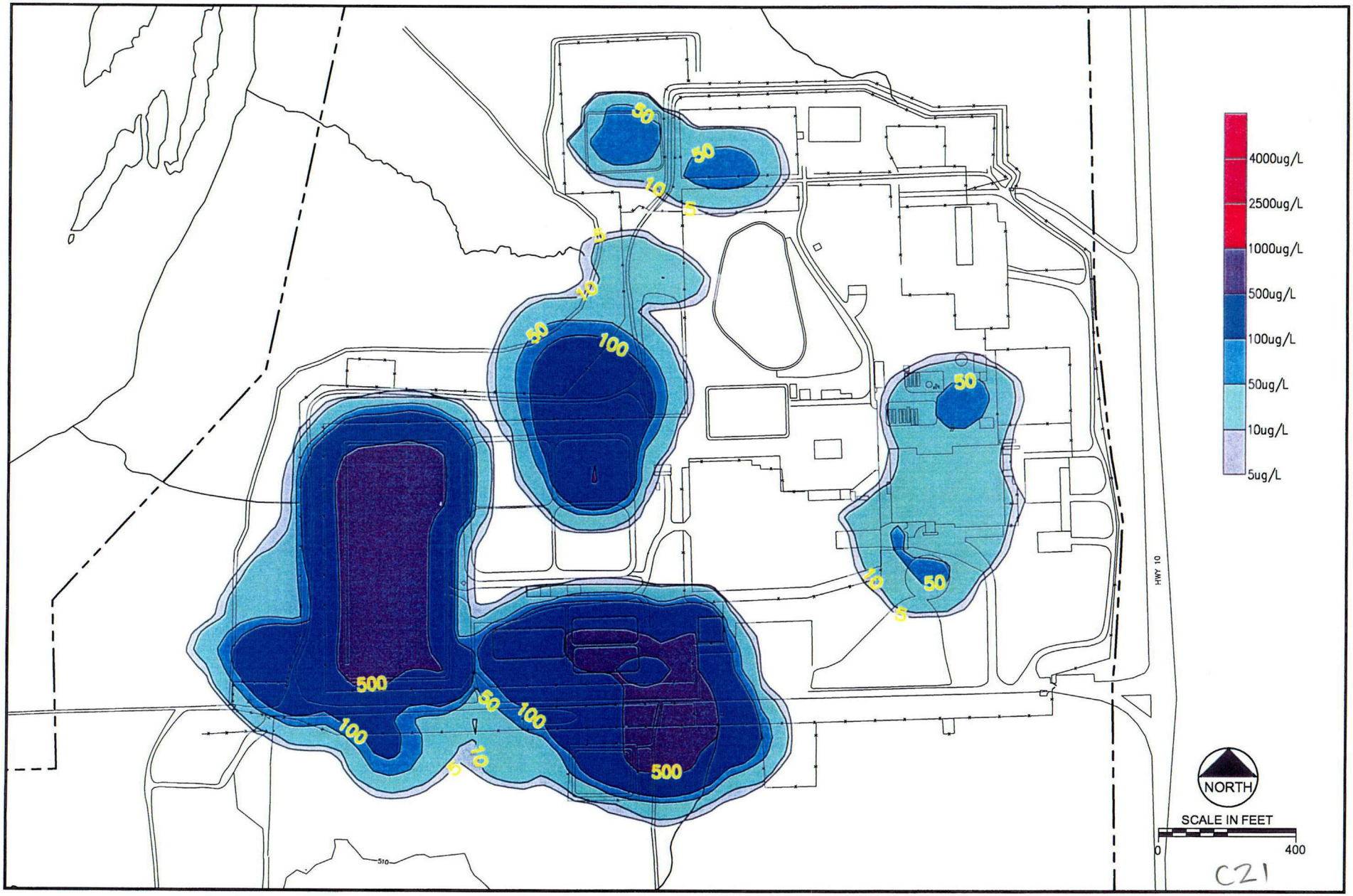

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FIGURE 8-47
ARSENIC CALIBRATION INITIAL CONCENTRATIONS LAYER 1

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-AS.DWG

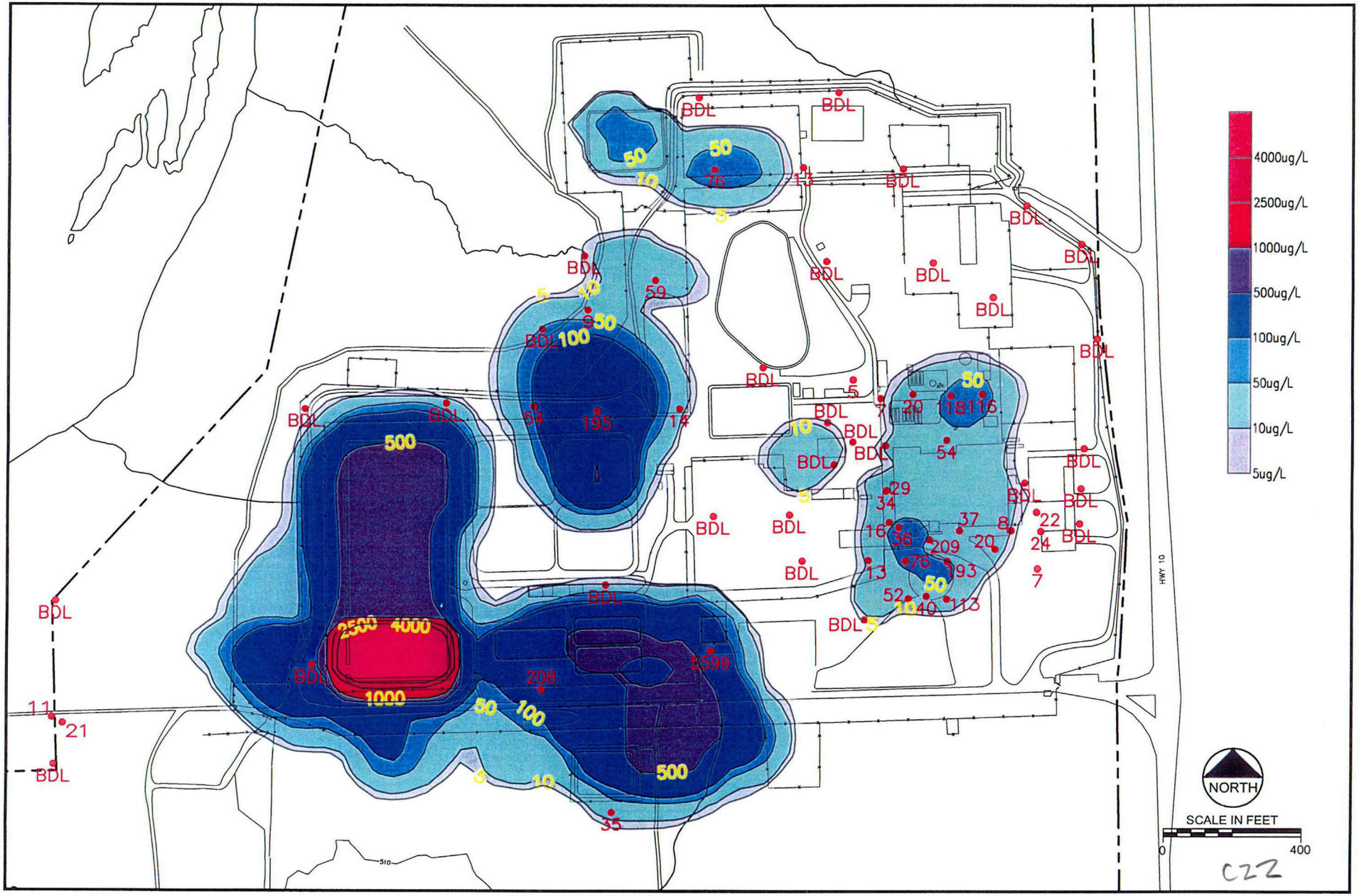

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FIGURE 8-48
ARSENIC CALIBRATION INITIAL CONCENTRATIONS LAYER 2

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-AS.DWG

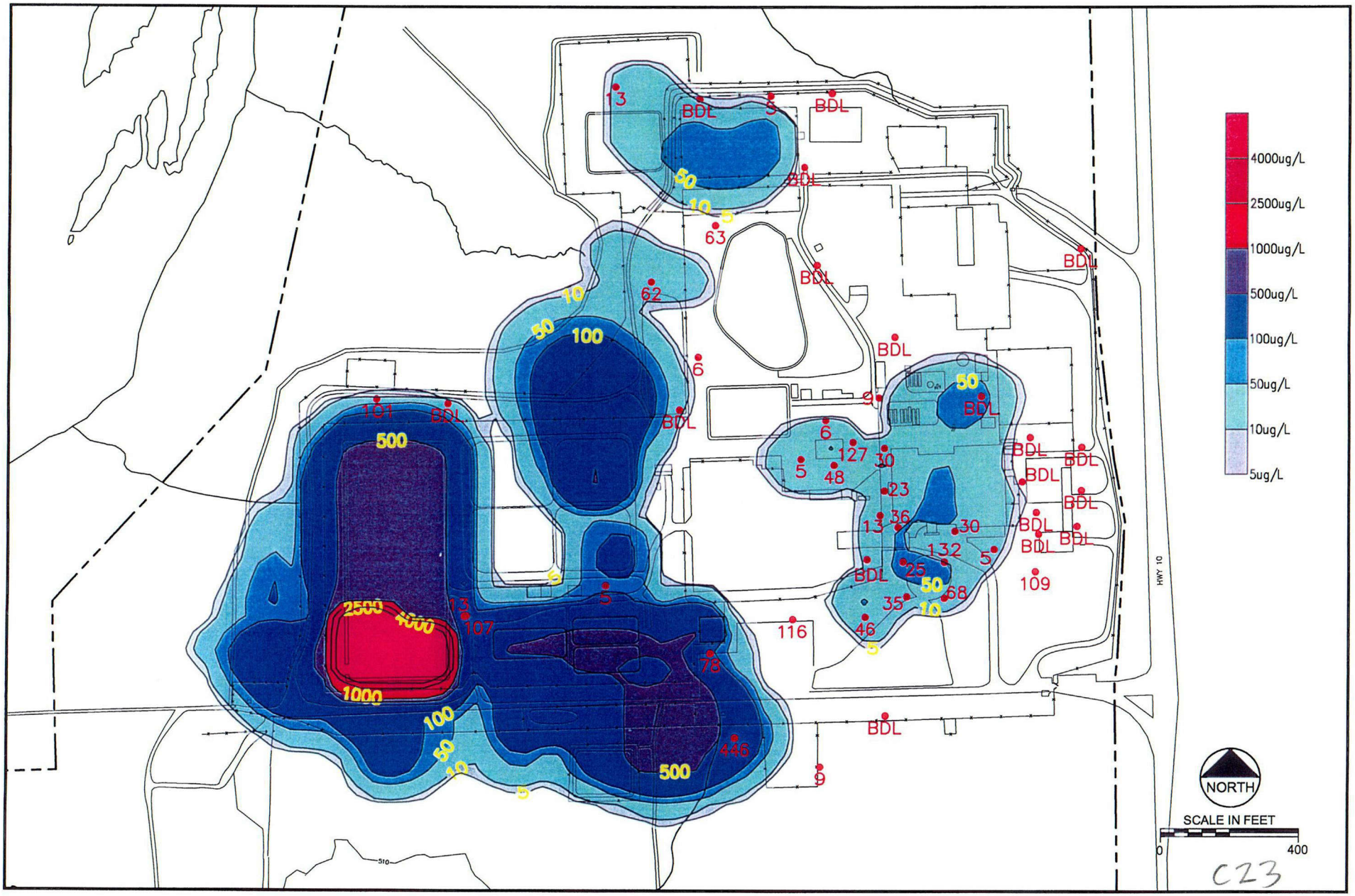

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FIGURE 8-49
ARSENIC CALIBRATION INITIAL CONCENTRATIONS LAYER 3

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-AS.DWG

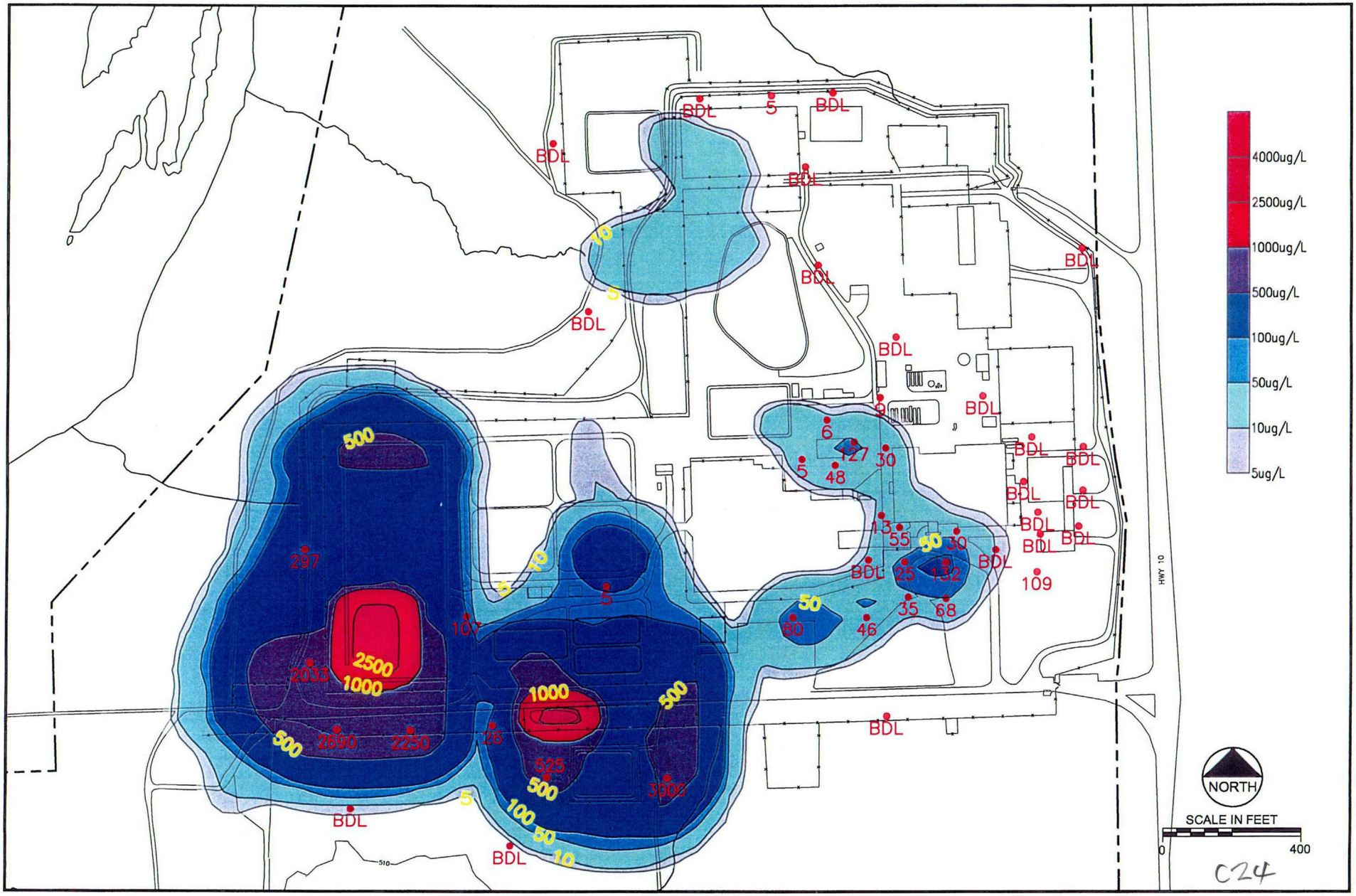

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FIGURE 8-50
ARSENIC CALIBRATION INITIAL CONCENTRATIONS LAYER 4

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-AS.DWG

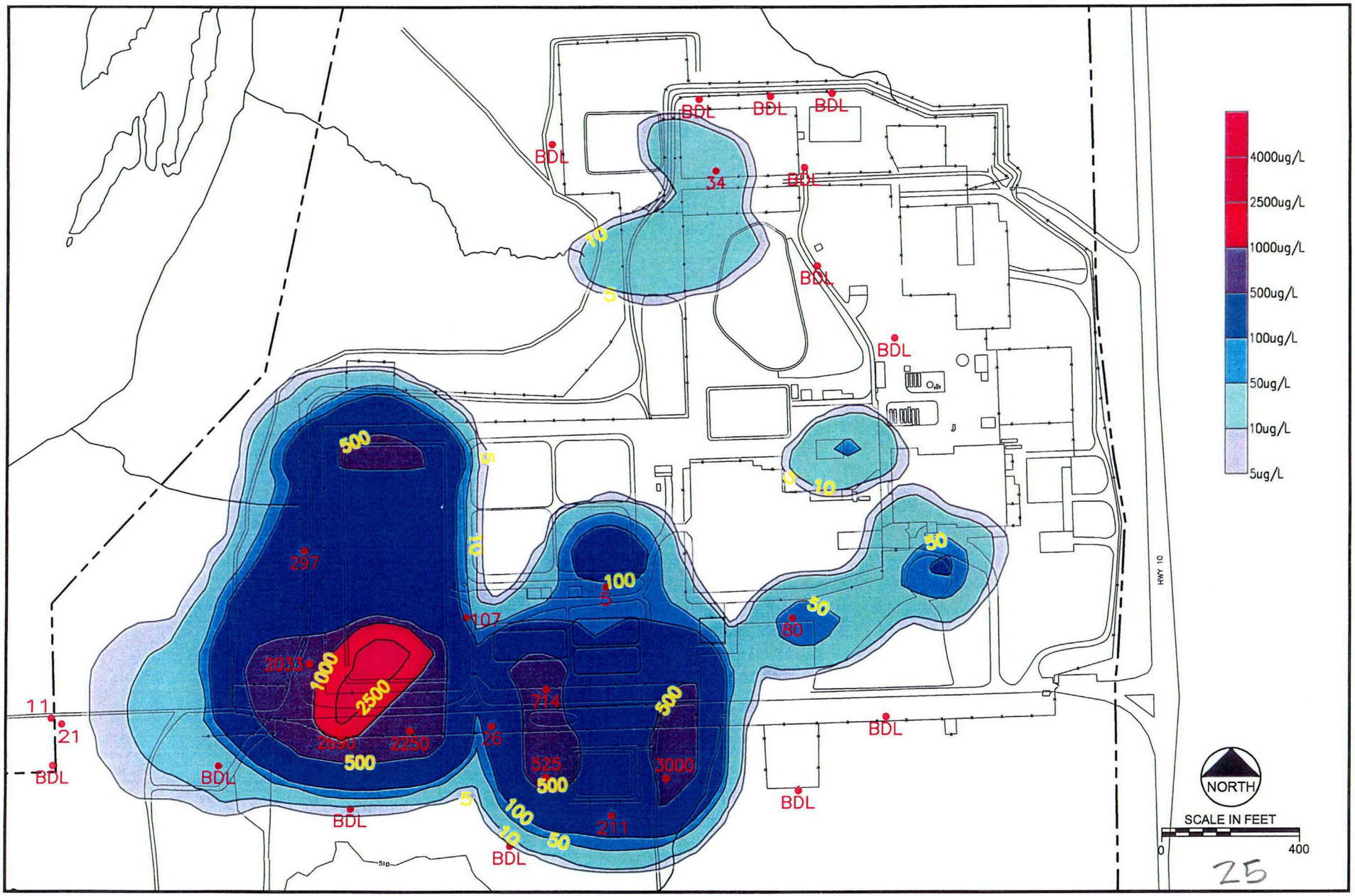

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FIGURE 8-51
ARSENIC CALIBRATION INITIAL CONCENTRATIONS LAYER 5

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	INITIAL-AS.DWG

Filename: E:\100734\REVISED-2002-AUG\years-nit.dwg
Date: 09/30/2002
Time: 16:23:04.14

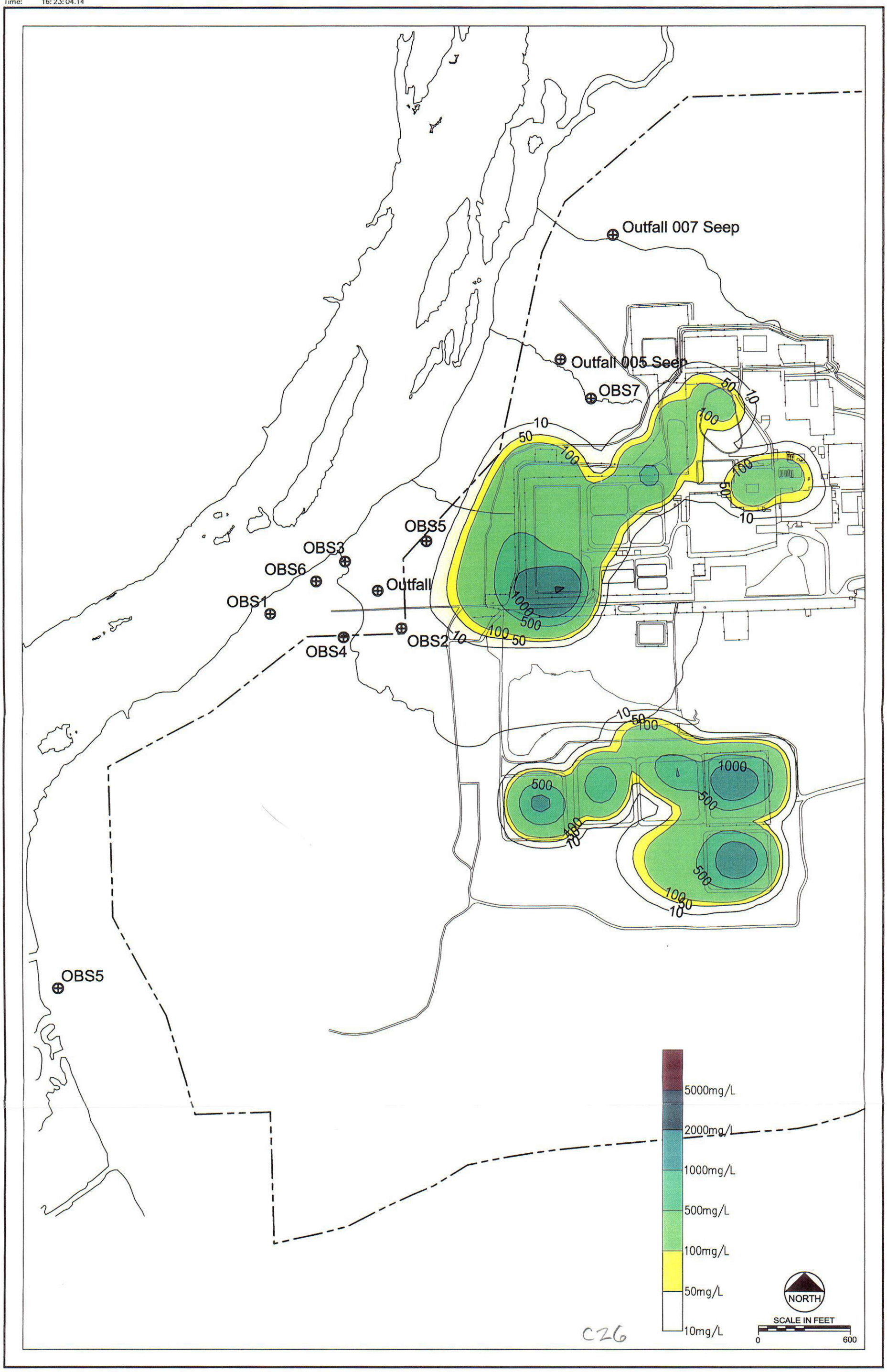

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FIGURE 8-52
MODELED NITRATE MAXIMUM INITIAL CONCENTRATIONS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-NIT.DWG

Filename: I:\100734\REVISED-2002-AUG\years-nit.dwg
Date: 09/30/2002
Time: 16:23:04.14

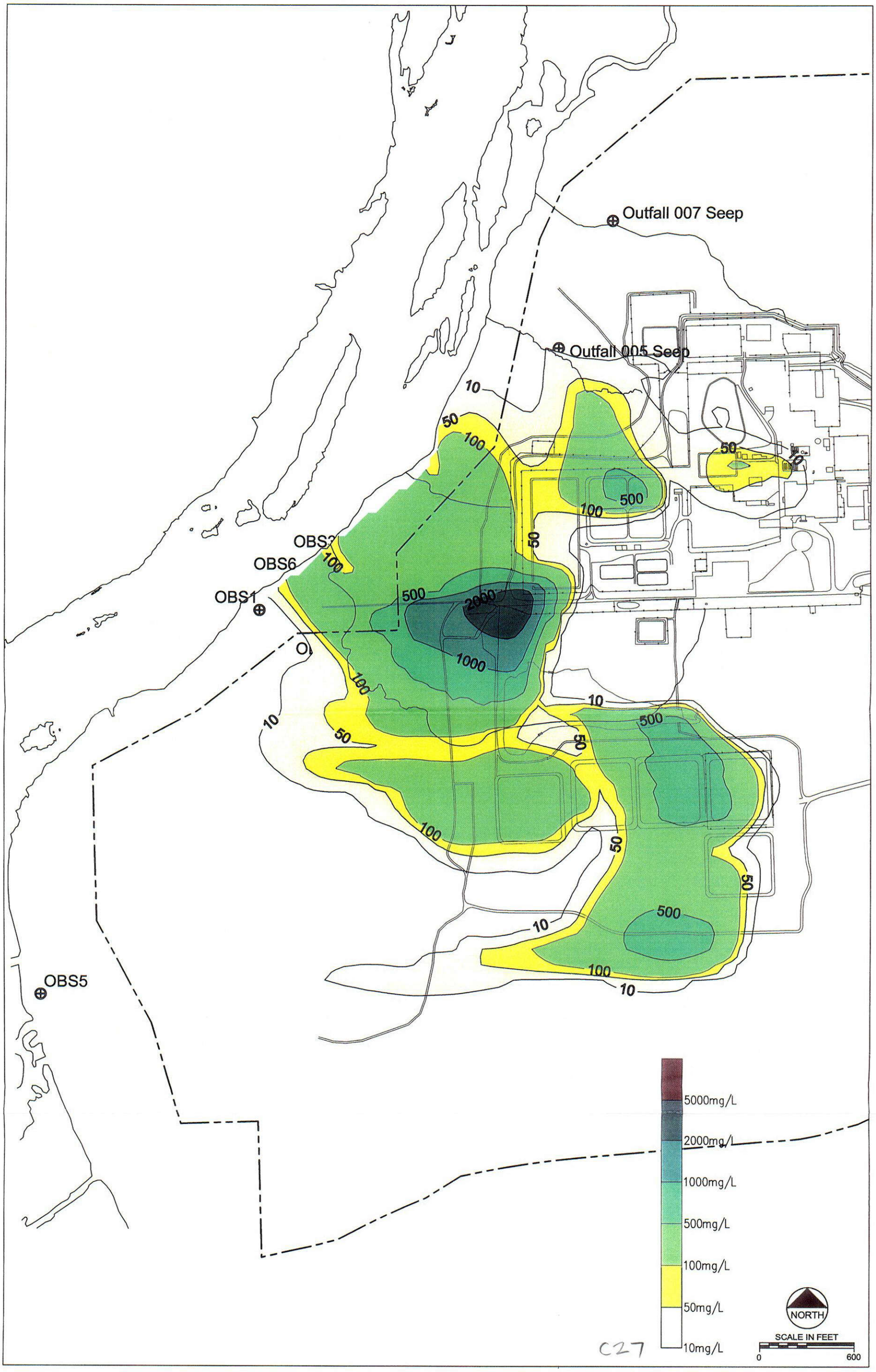

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FIGURE 8-53
MODELED NITRATE MAXIMUM CONCENTRATIONS 5 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:.	YEARS-NIT.DWG

Filename: E:\100734\REVISED-2002 -AUG\years-nit.dwg
Date: 09/30/2007
Time: 16:23:04.14

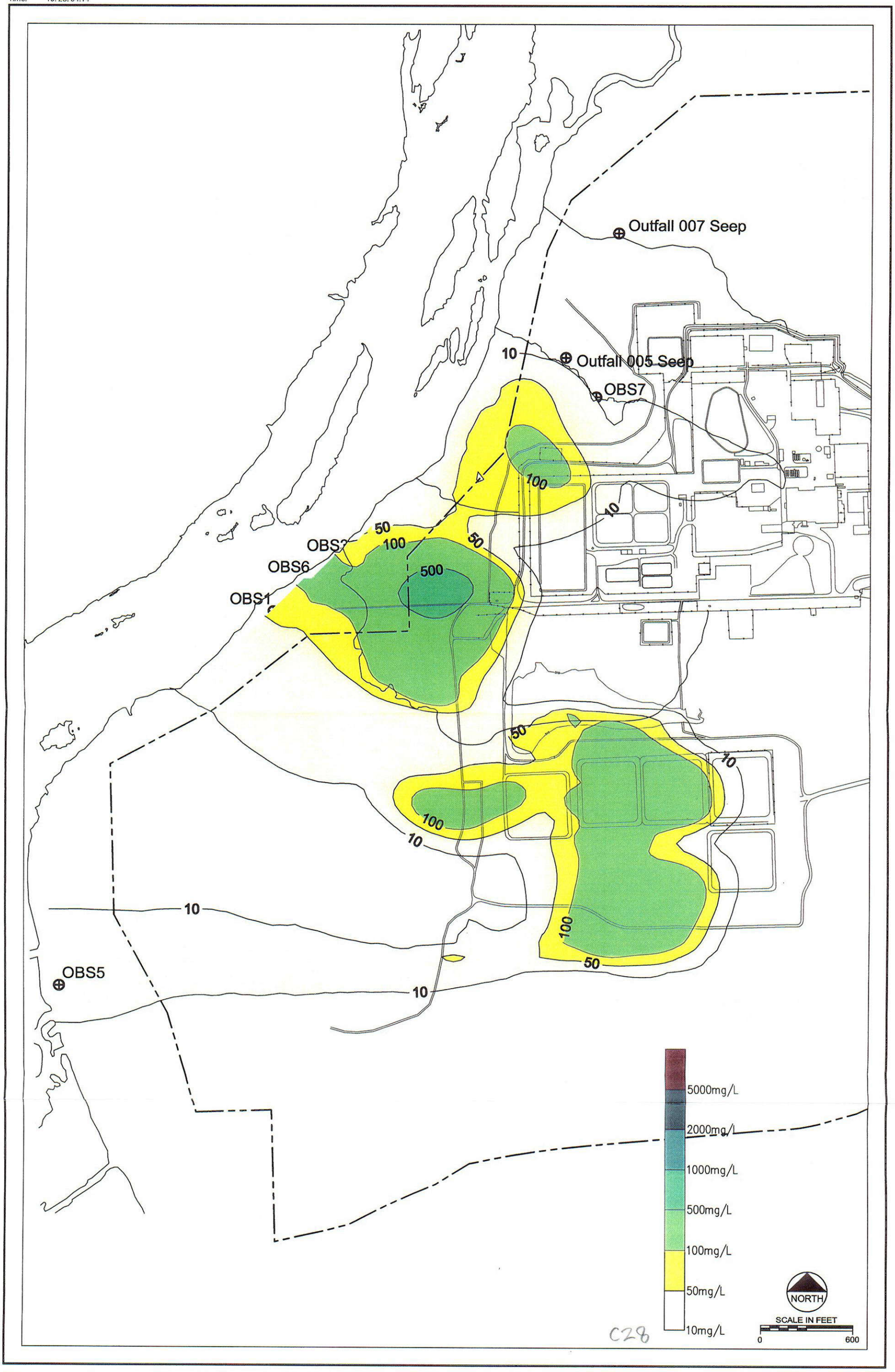

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FIGURE 8-54
MODELED NITRATE MAXIMUM CONCENTRATIONS 25 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-NIT.DWG

Filename: E:\100734\REVISED- 2002--AUG\years--nit.dwg
Date: 09/30/2002
Time: 16:23:04.14

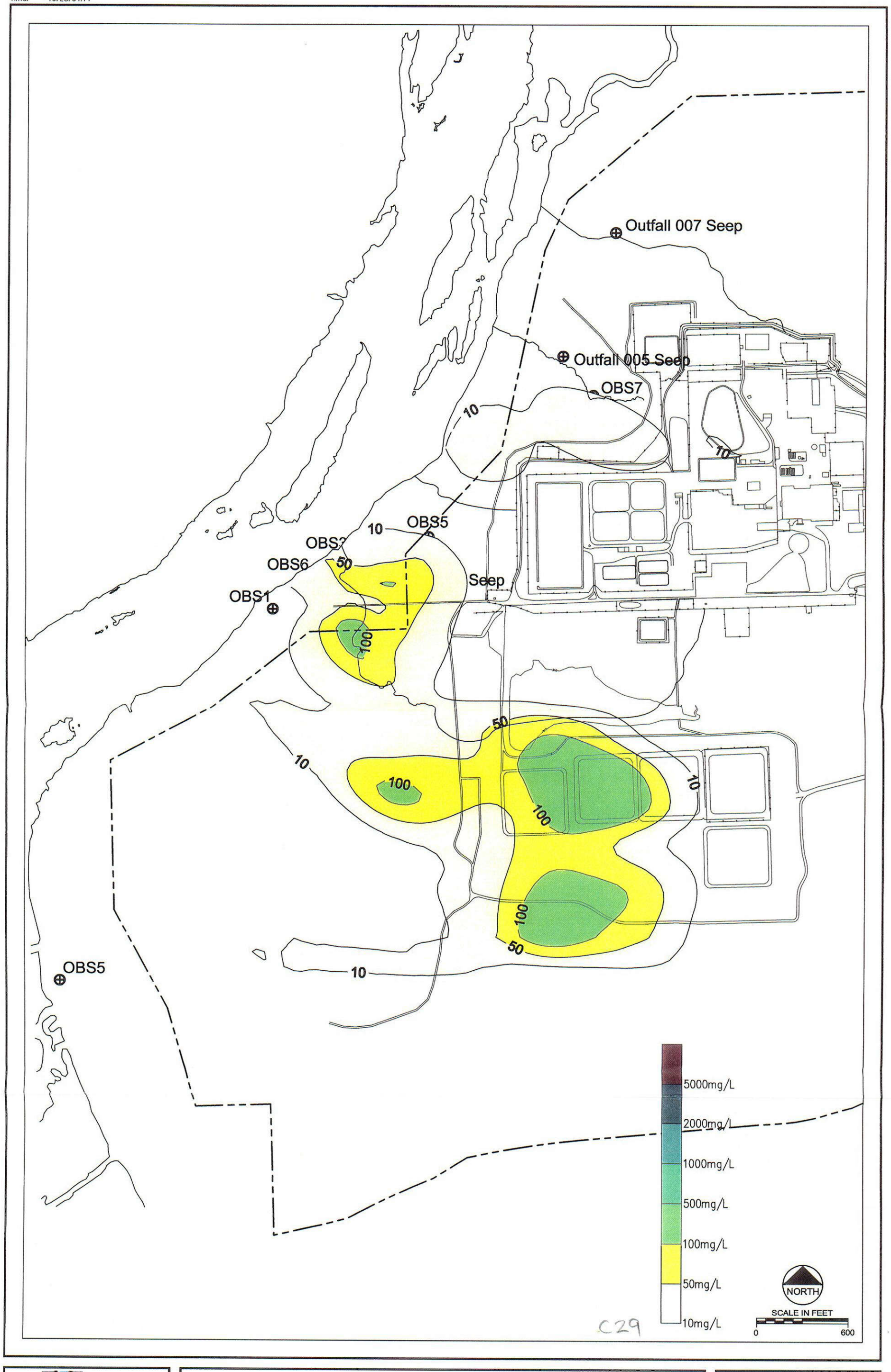

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FIGURE 8-55
MODELED NITRATE MAXIMUM CONCENTRATIONS 50 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-NIT.DWG

Filename: E:\100734\REVISED-2002-AUG\years-nil.dwg
Date: 09/30/2002
Time: 16:23:04.14

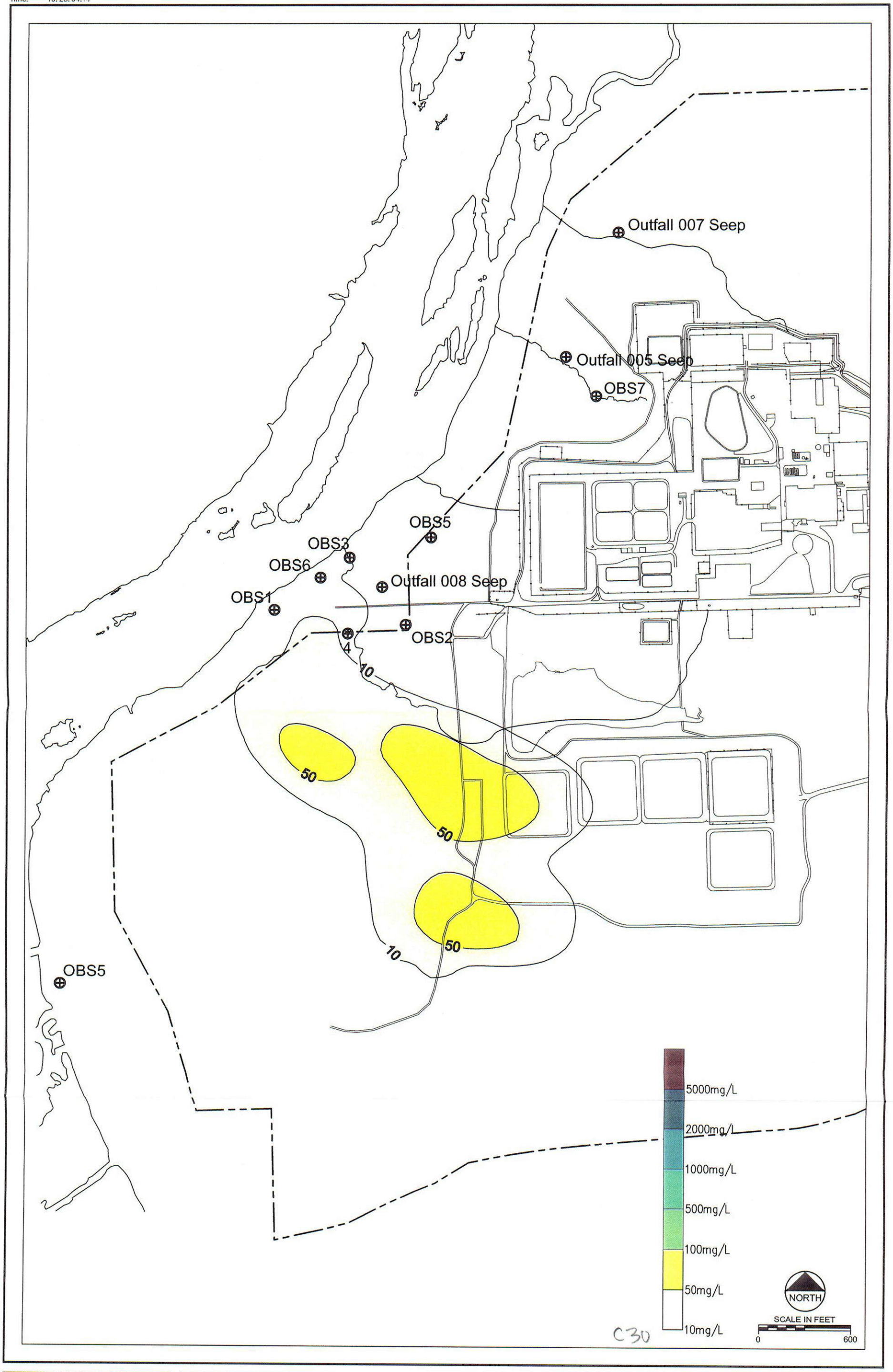

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FIGURE 8-56
MODELED NITRATE MAXIMUM CONCENTRATIONS 100 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-NIT.DWG

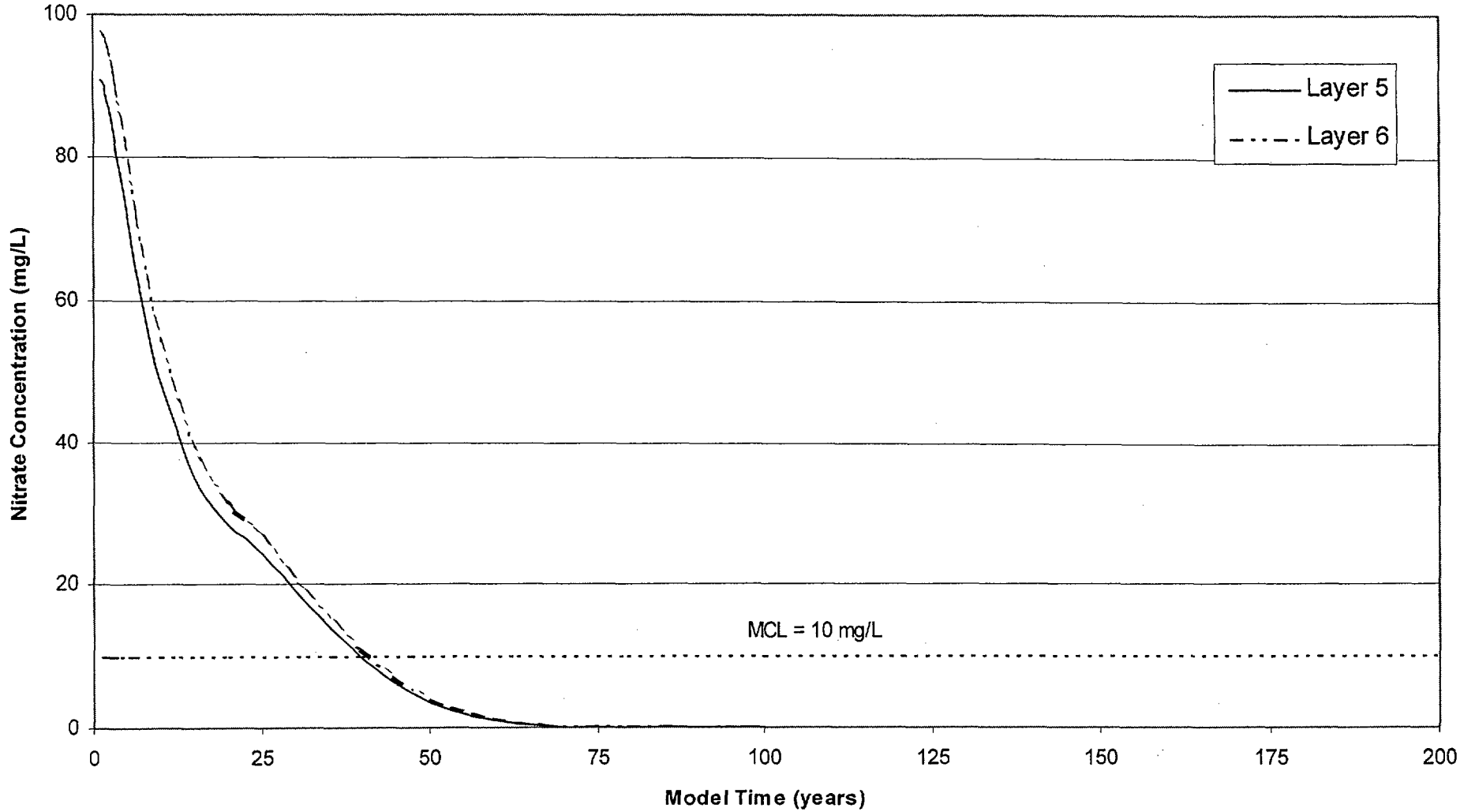

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FIGURE 8-57
NITRATE CONCENTRATIONS AT OBSERVATION POINT 1

Date:	OCTOBER 2002
Project:	P:100734-2\REV CHAR RPT
File:	NIT CONC.ppt

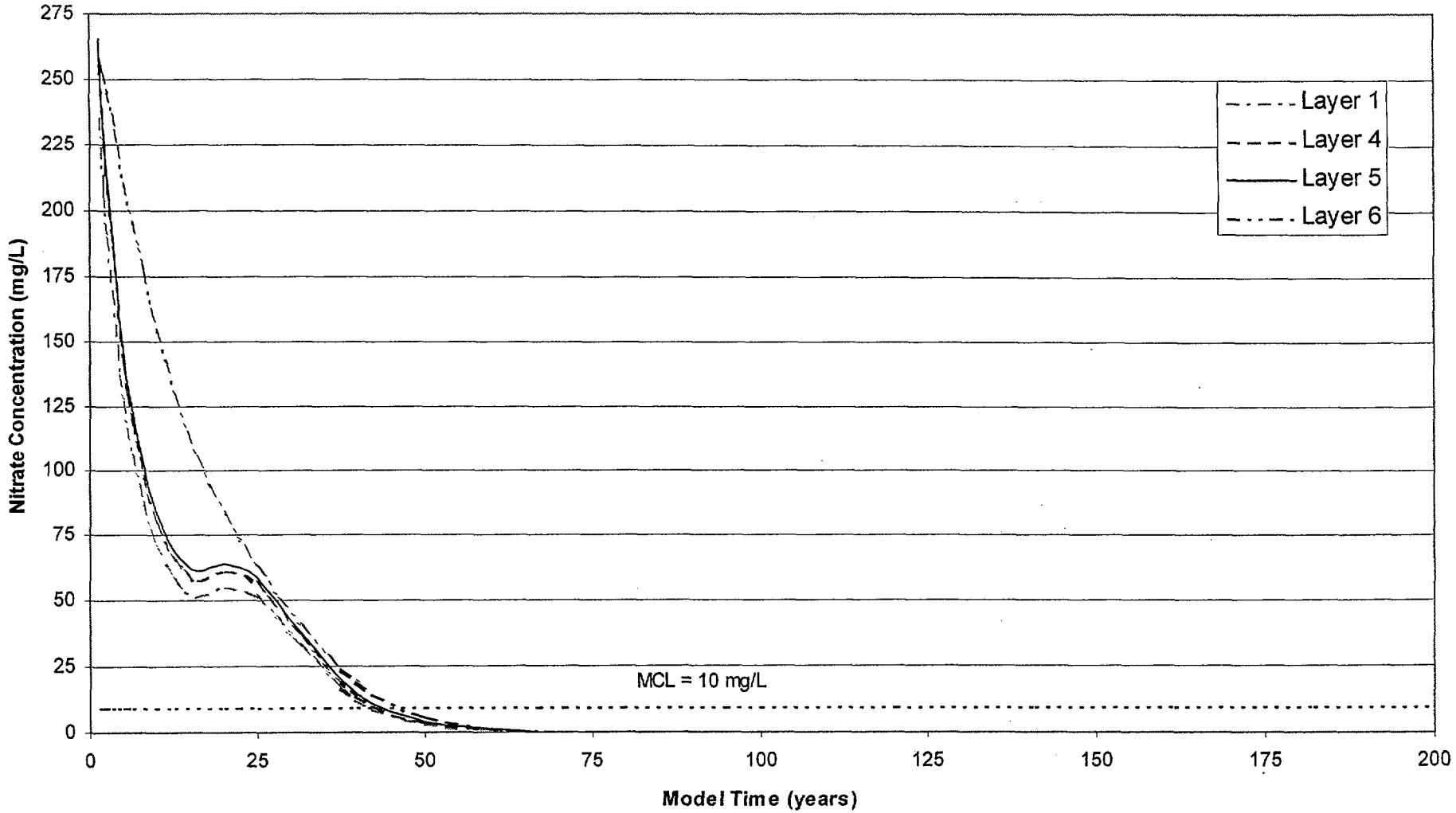

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FIGURE 8-58
NITRATE CONCENTRATIONS AT OBSERVATION POINT 2

Date:	OCTOBER 2002
Project:	P:100734-2\REV CHAR RPT
File:	NIT CONC.ppt

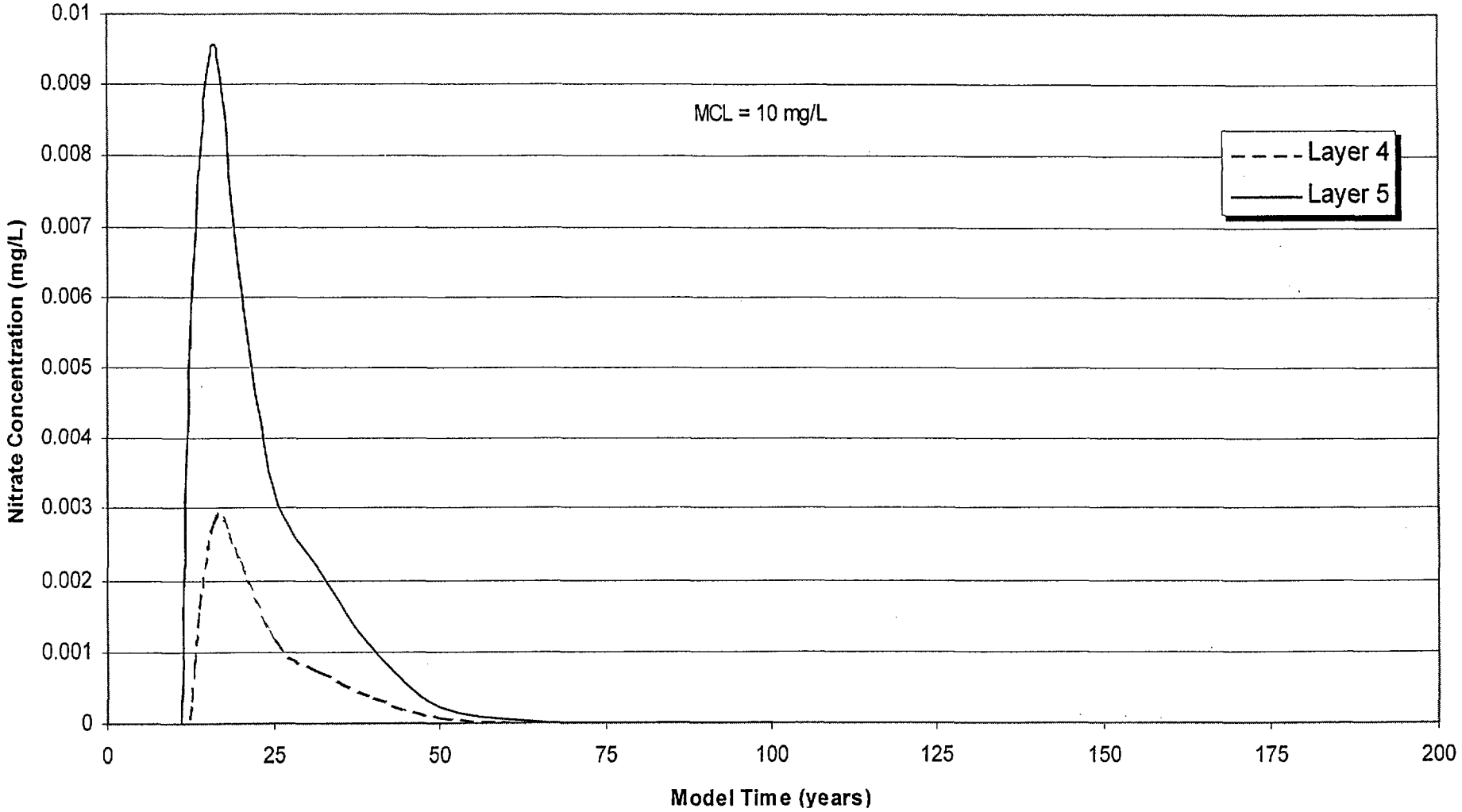

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FIGURE 8-59
NITRATE CONCENTRATIONS AT OBSERVATION POINT 3

Date:	OCTOBER 2002
Project:	P:100734-2\REV CHAR RPT
File:	NIT CONC.ppt

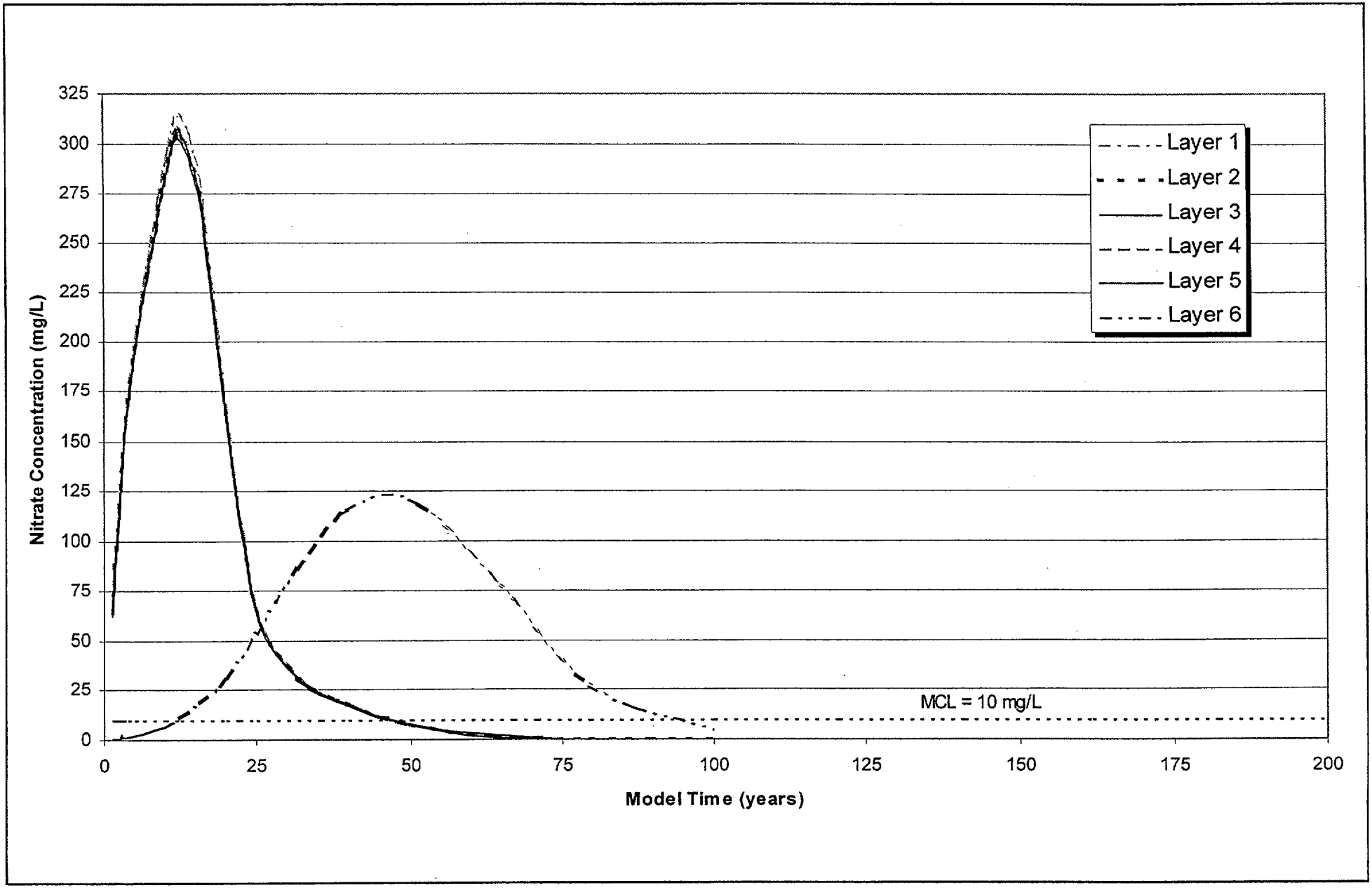

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FIGURE 8-60
NITRATE CONCENTRATIONS AT OBSERVATION POINT 4

Date:	OCTOBER 2002
Project:	P:100734-2\REV CHAR RPT
File:	NIT CONC.ppt

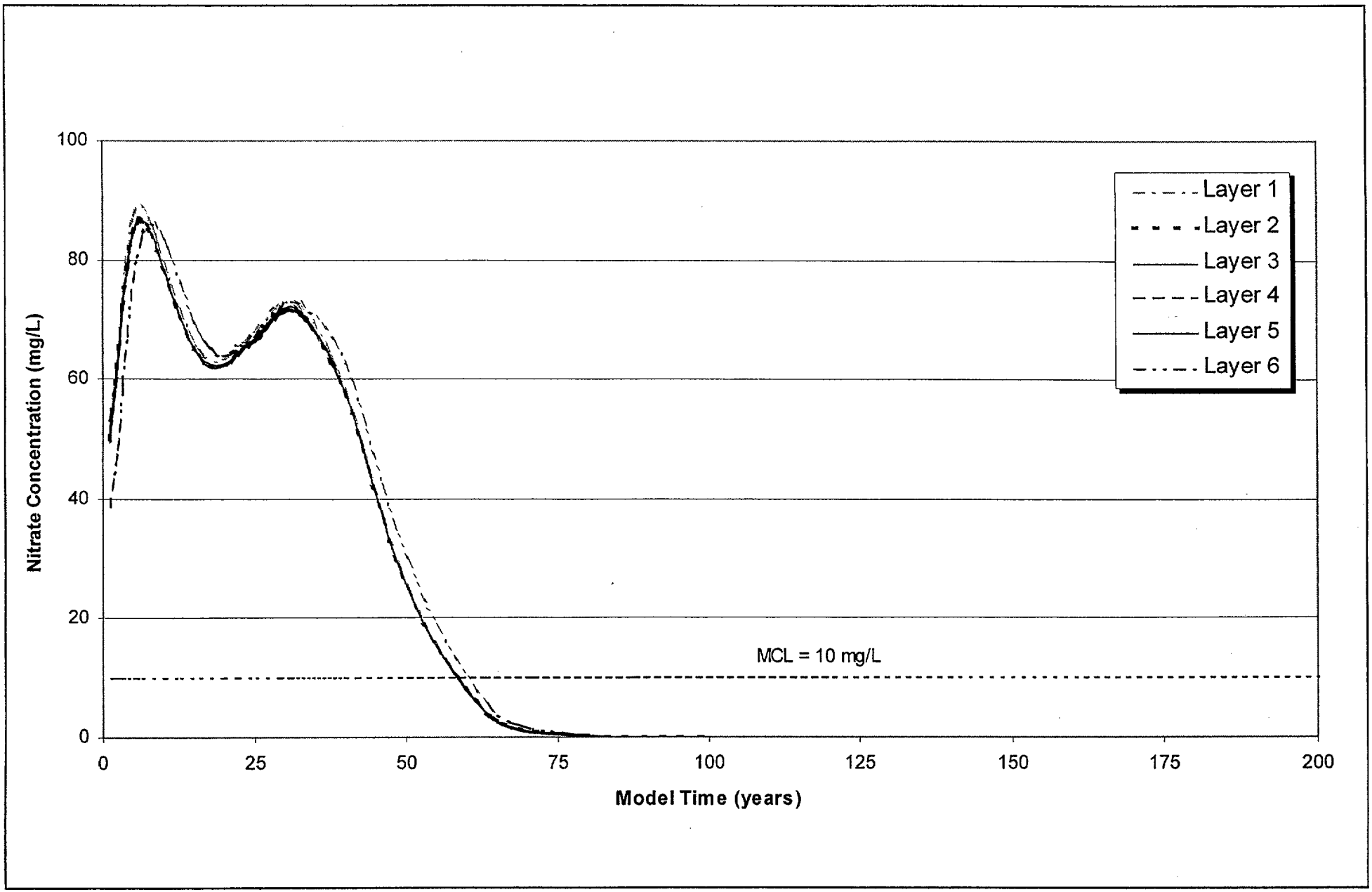

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FIGURE 8-61
NITRATE CONCENTRATIONS AT OBSERVATION POINT 5

Date:	OCTOBER 2002
Project:	P:100734-2\REV CHAR RPT
File:	NIT CONC.ppt

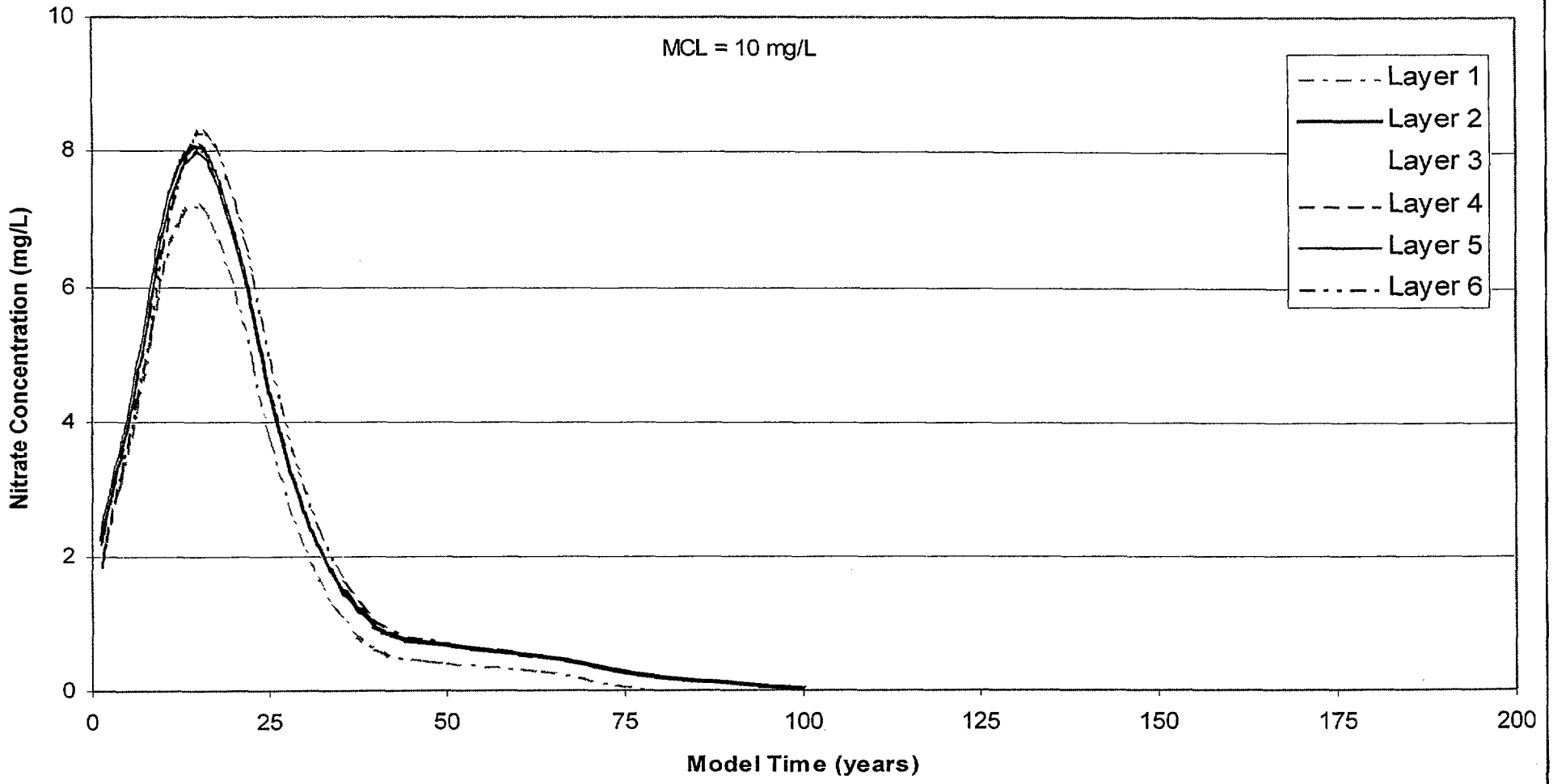

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FIGURE 8-62
NITRATE CONCENTRATIONS AT OBSERVATION POINT 6

Date:	OCTOBER 2002
Project:	P:100734-2\REV CHAR RPT
File:	NIT CONC.ppt

Filename: C:\100734\REVISED-2002-AUG\years-as.dwg
Date: 09/30/2002
Time: 16:24:23.32

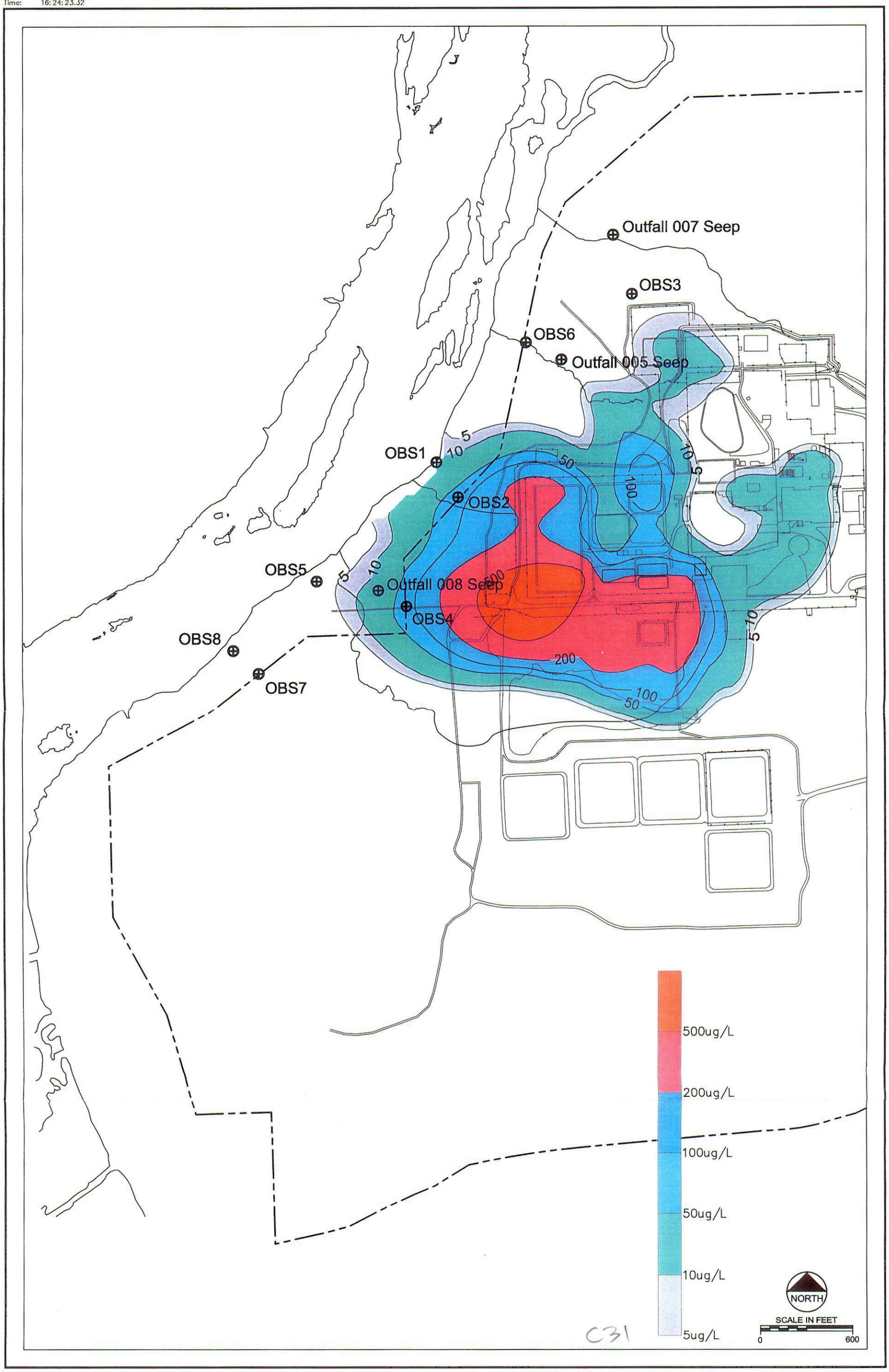

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FIGURE 8-63
MODELED ARSENIC MAXIMUM INITIAL CONCENTRATIONS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-AS.DWG

Filename: L:\100734\REVISED-2002-AUG\years-as.dwg
Date: 09/30/2002
Time: 16:24:23.32

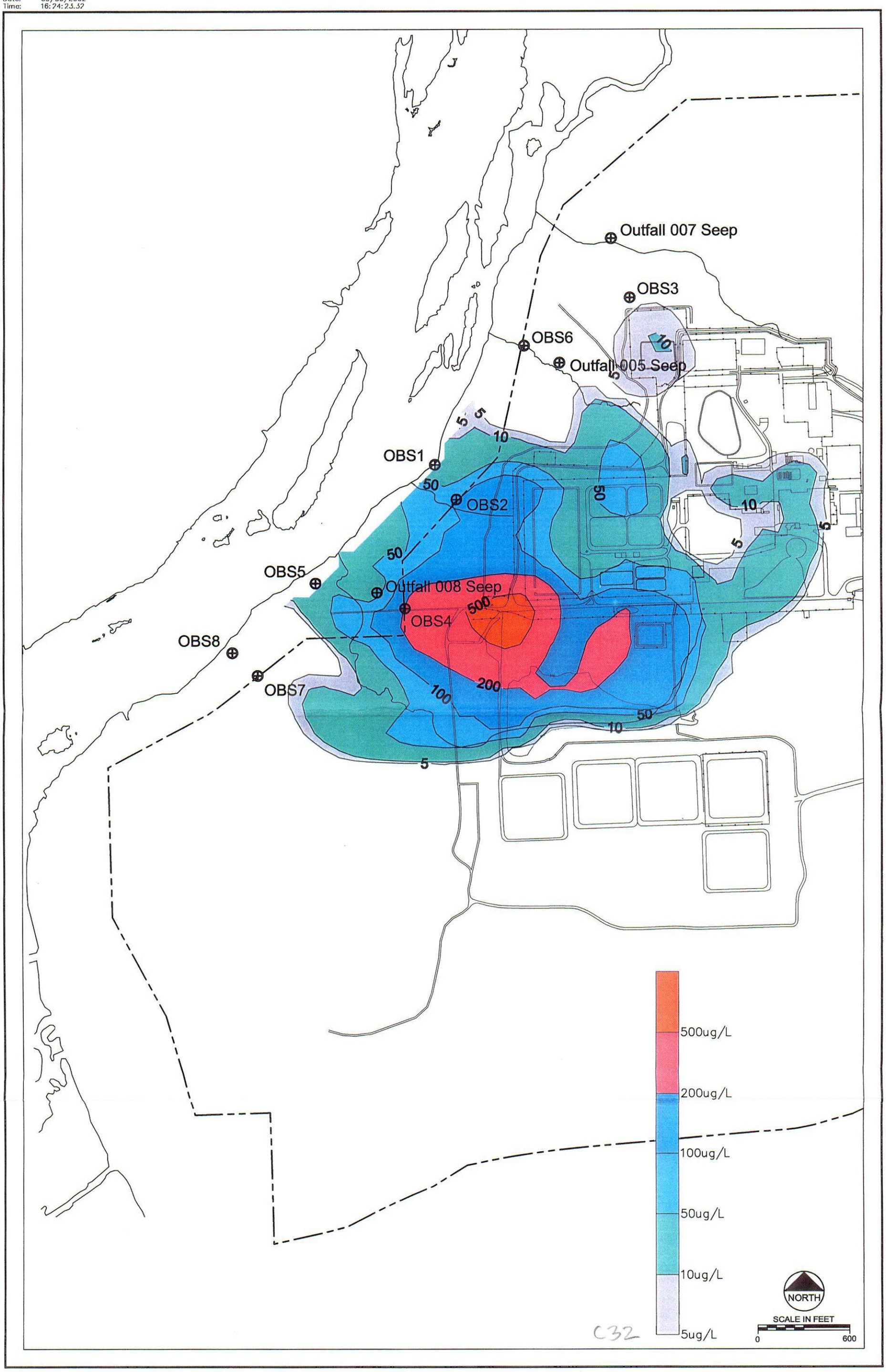

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FIGURE 8-64
MODELED ARSENIC MAXIMUM CONCENTRATIONS 5 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-AS.DWG

Filename: E:\100734\REVISED-2002- AUG\years-as.dwg
Date: 09/30/2002
Time: 16:24:23.32

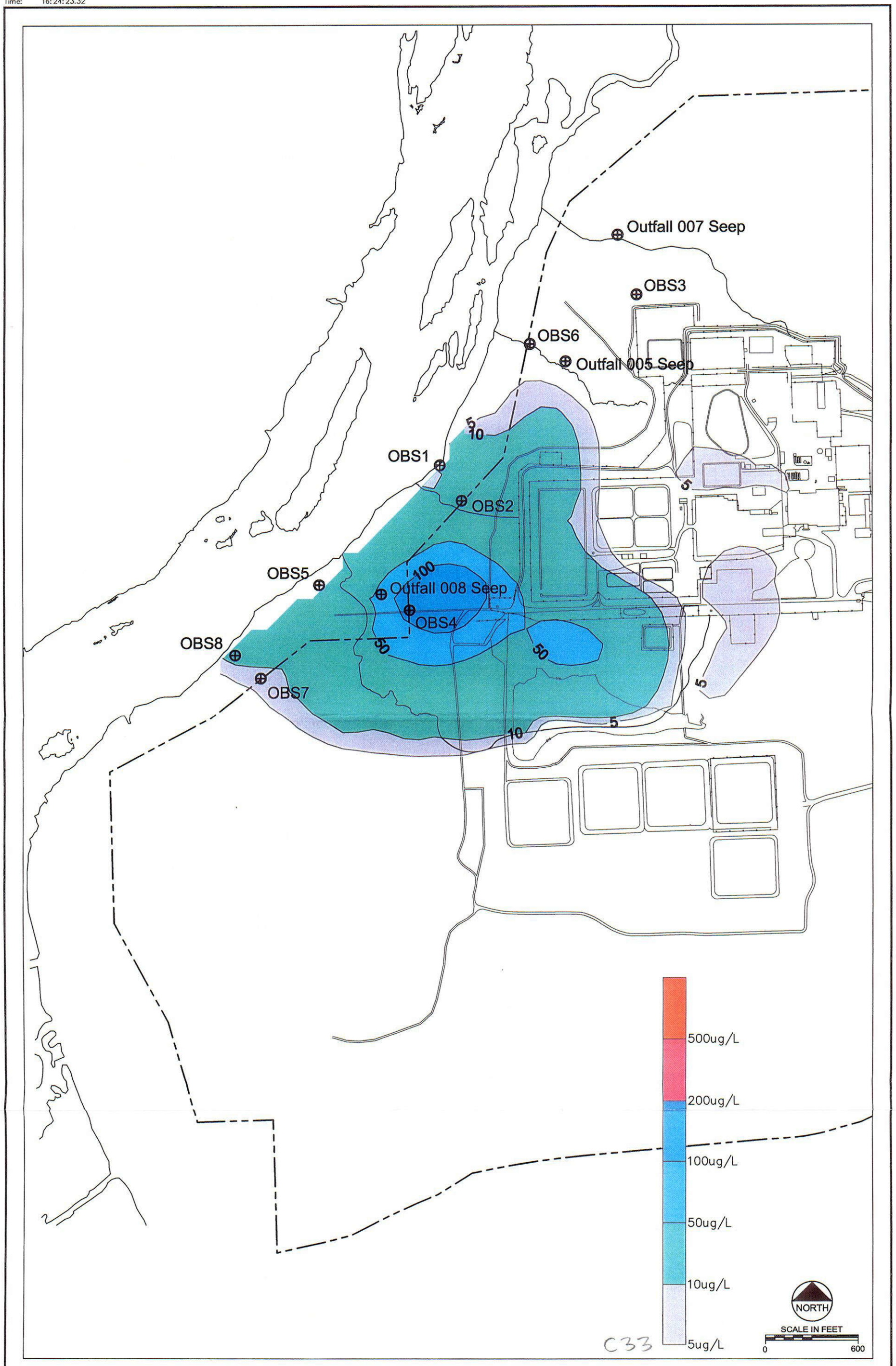

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FIGURE 8-65
MODELED ARSENIC MAXIMUM CONCENTRATIONS 25 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-AS.DWG

Filename: E:\100734\REVISED-2002-AUG\years-as.dwg
Date: 09/30/2002
Time: 16:24:23.32

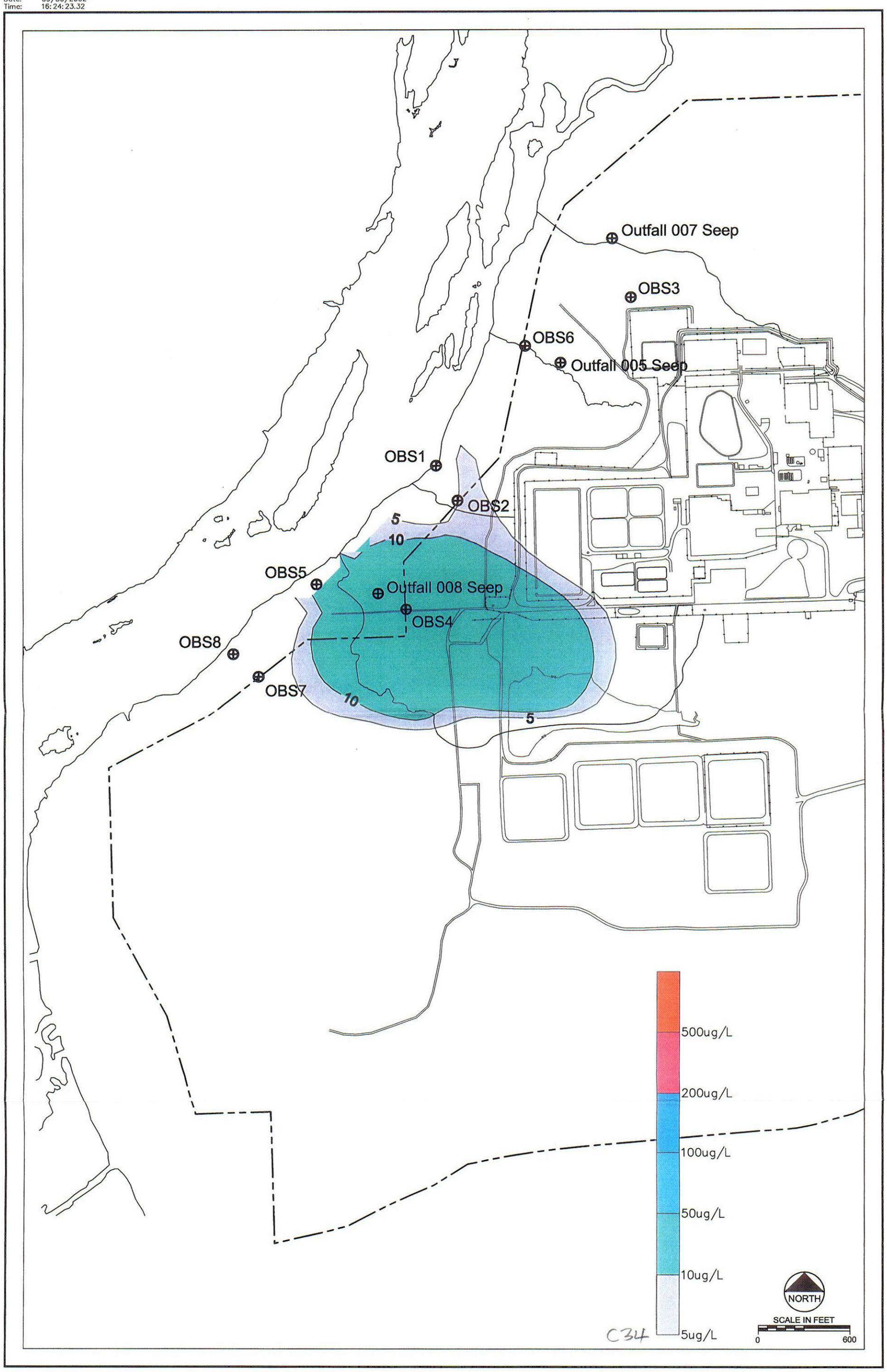

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FIGURE 8-66
MODELED ARSENIC MAXIMUM CONCENTRATIONS 50 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	YEARS-AS.DWG

Filename: E:\100734\REVISED-2002-AUG\years-as.dwg
Date: 09/30/2002
Time: 16:24:23.32

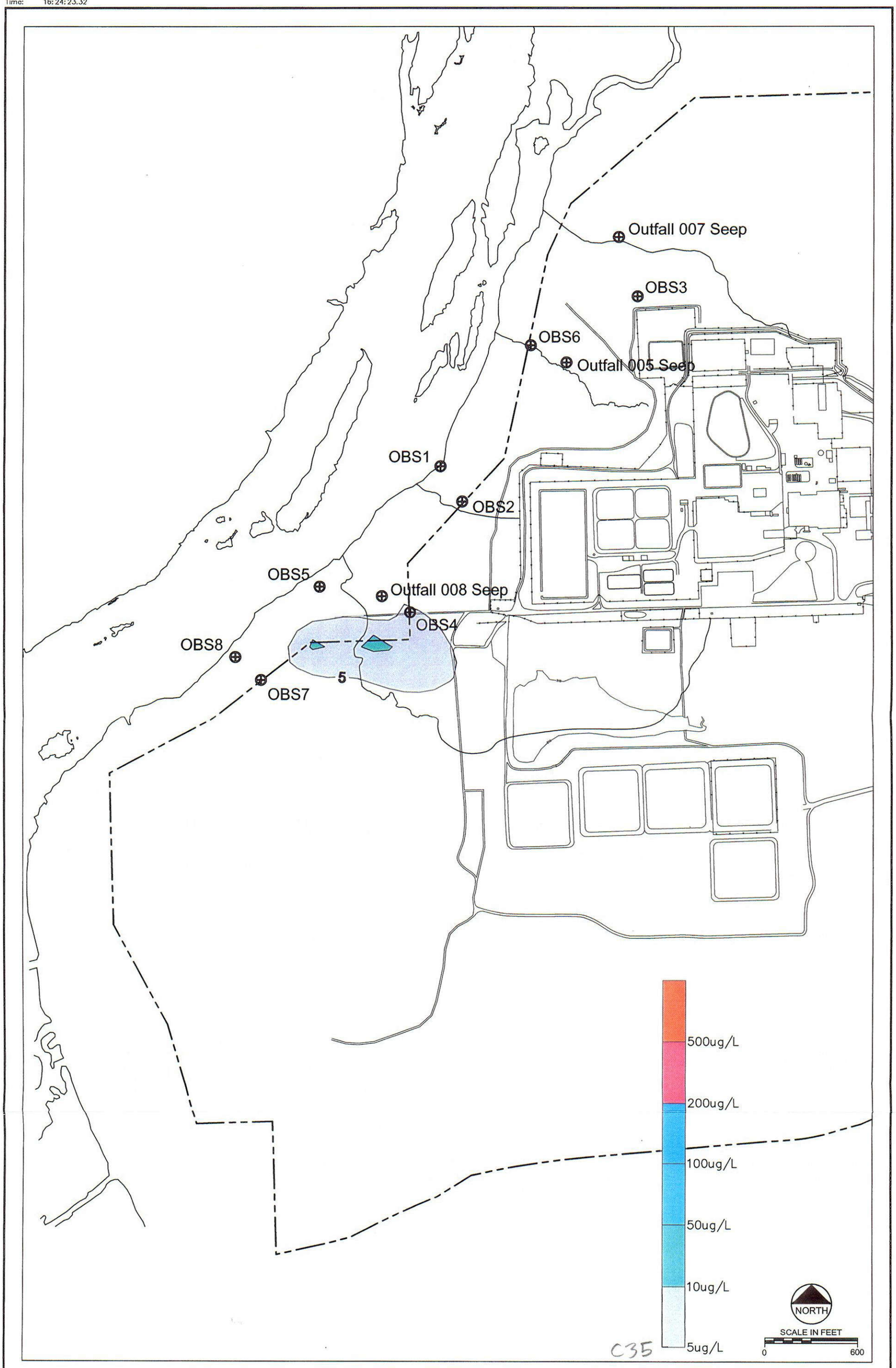

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FIGURE 8-67
MODELED ARSENIC MAXIMUM CONCENTRATIONS 100 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-AS.DWG

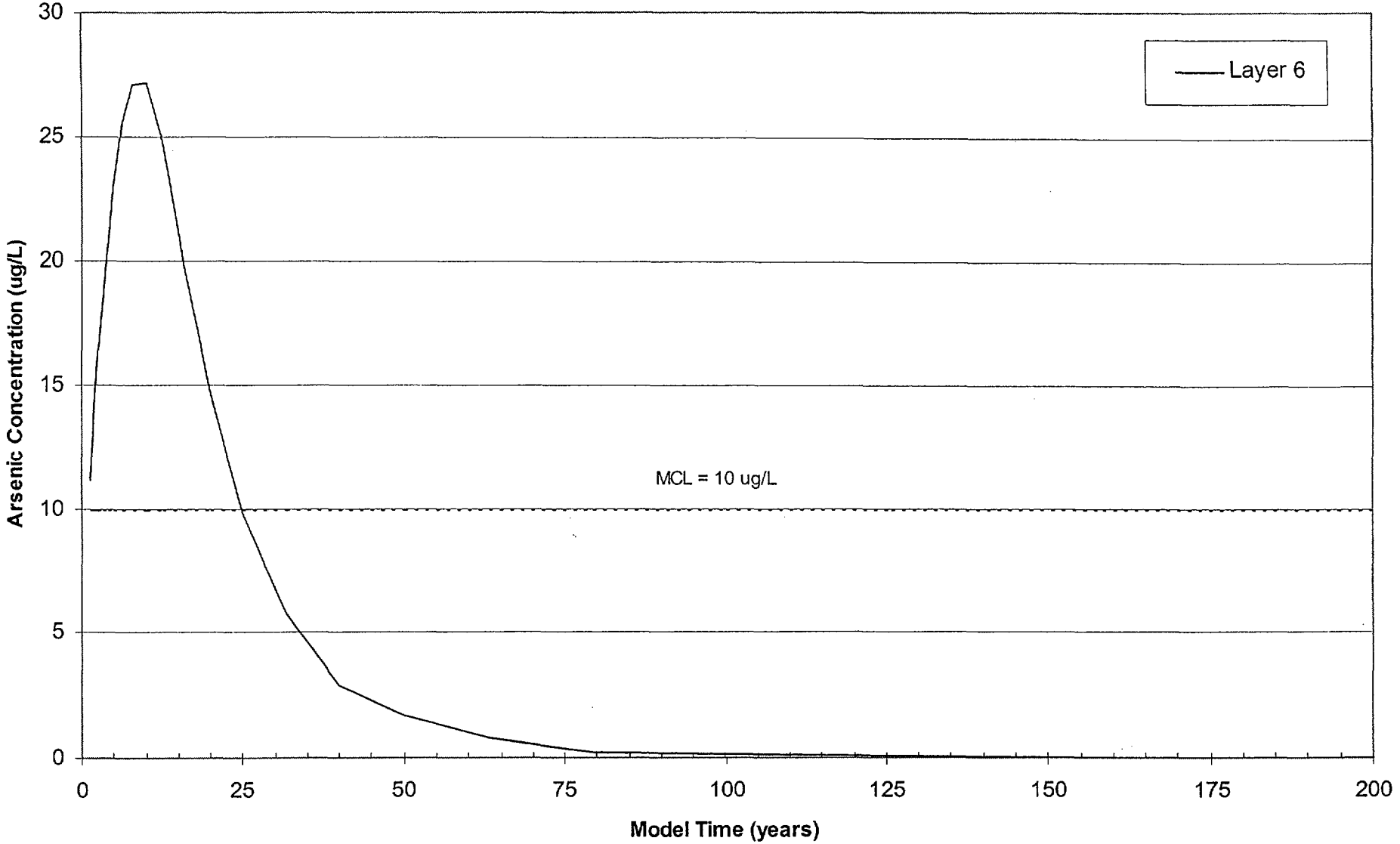

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FIGURE 8-68
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 1

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

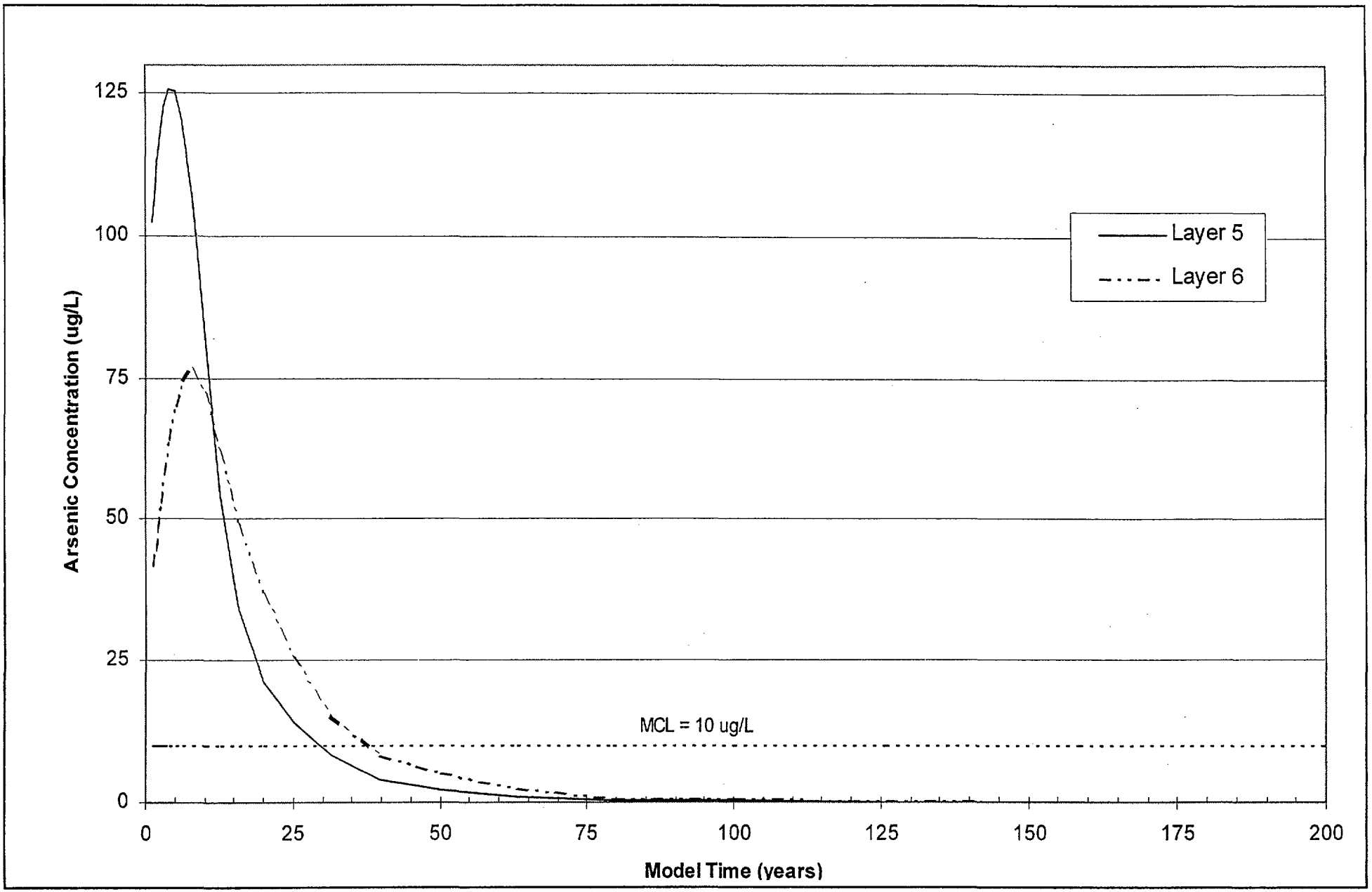

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FIGURE 8-69
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 2

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

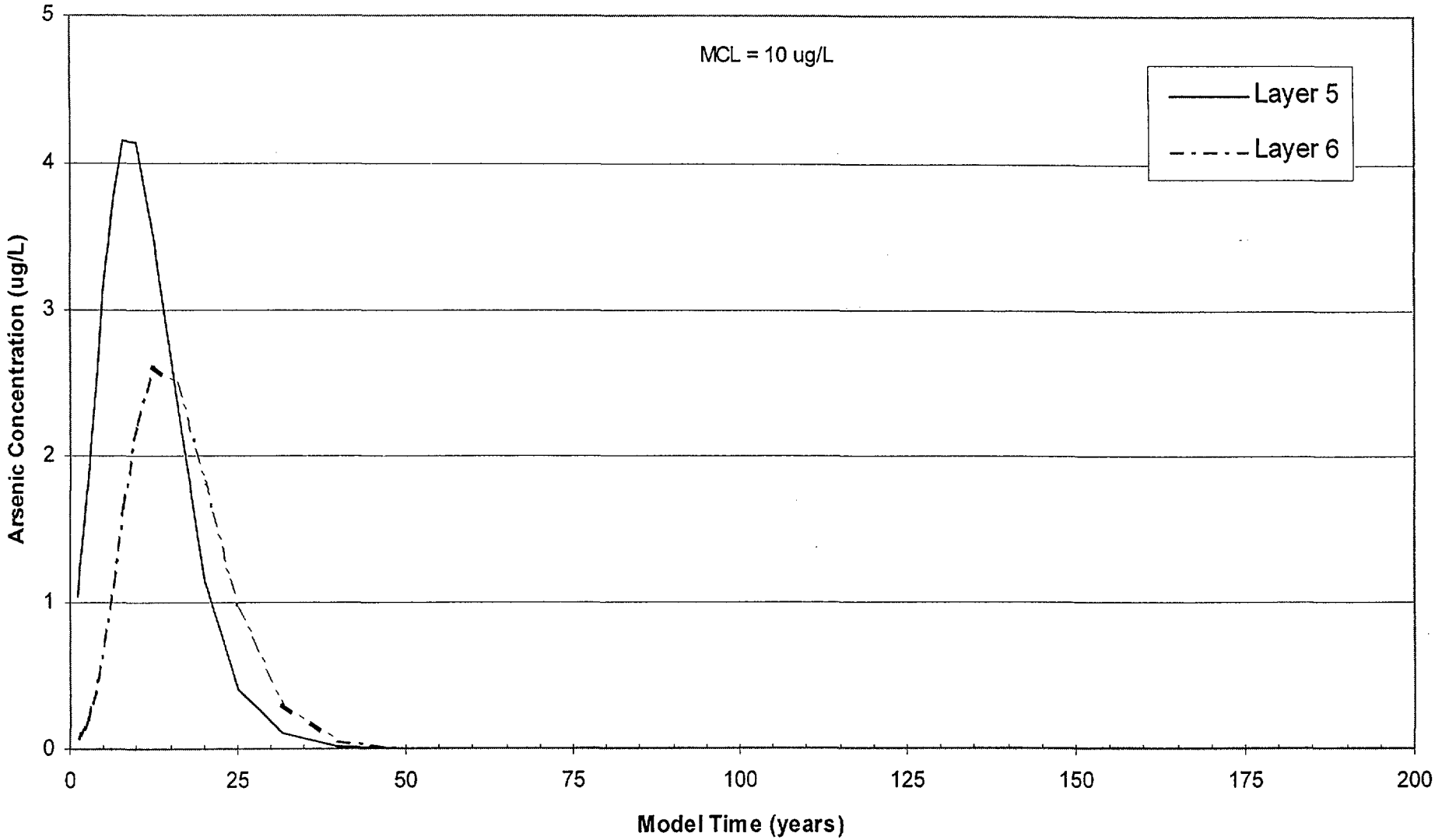

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FIGURE 8-70
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 3

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

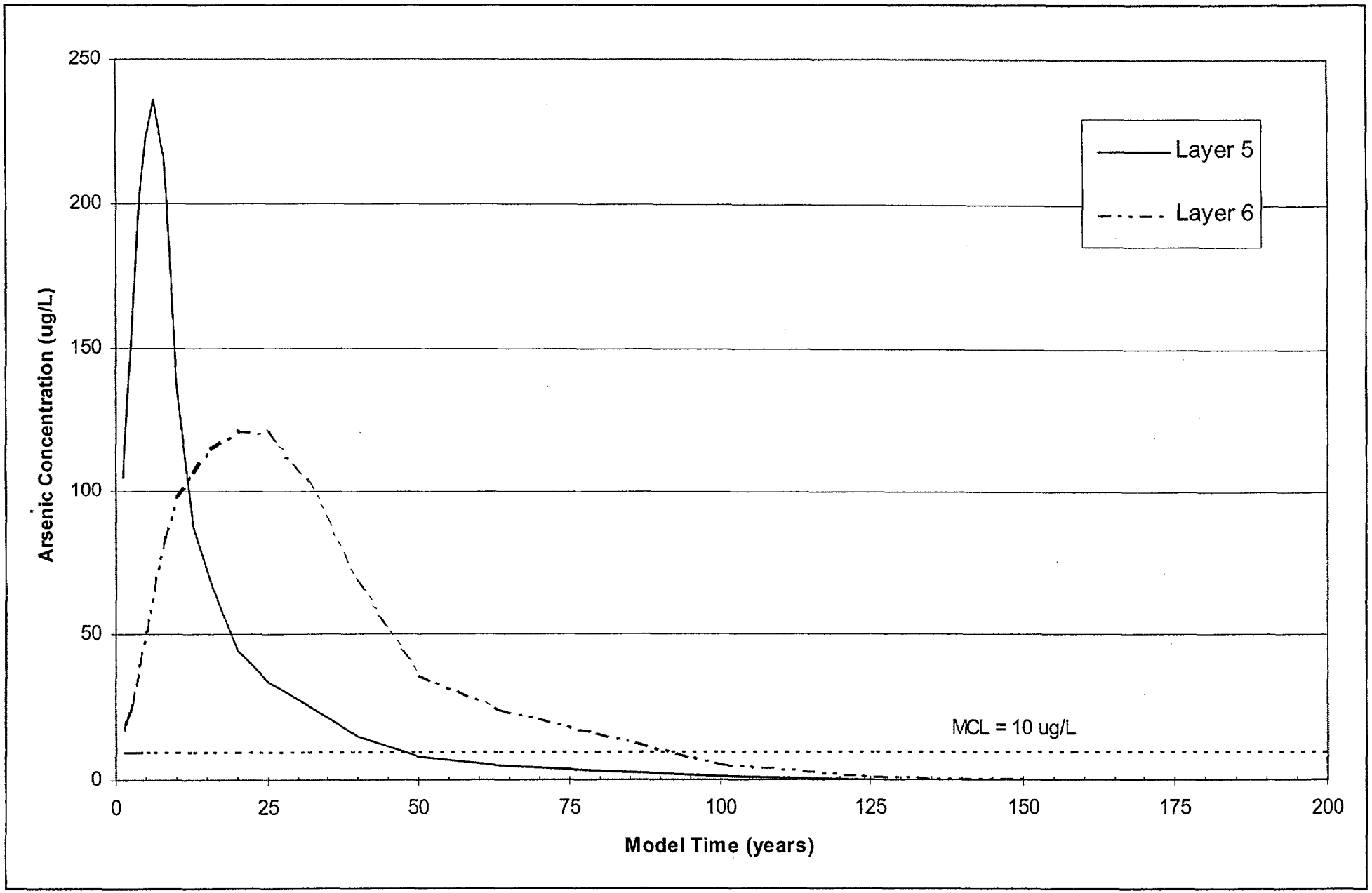

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FIGURE 8-71
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 4

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

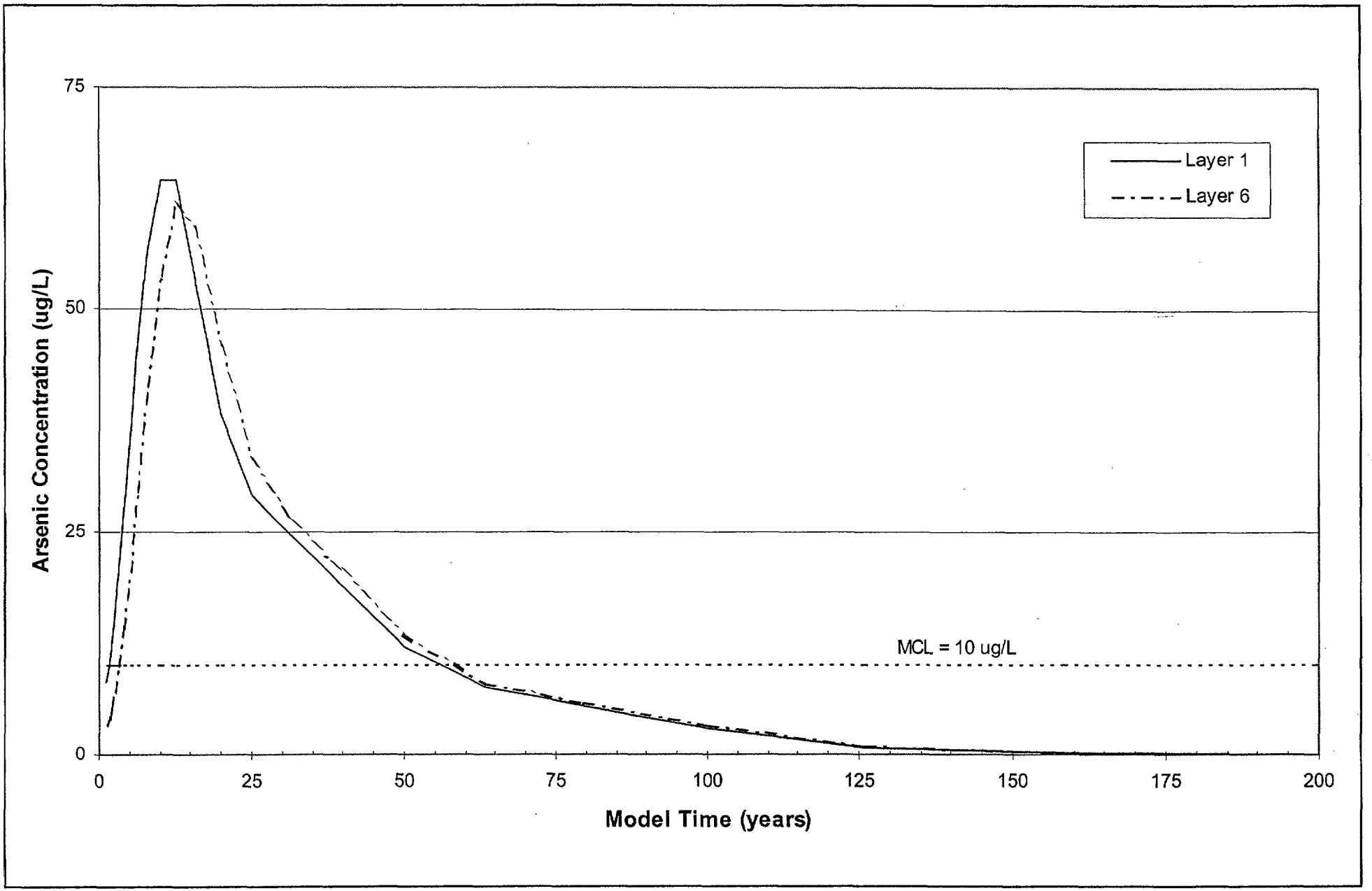

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FIGURE 8-72
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 5

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

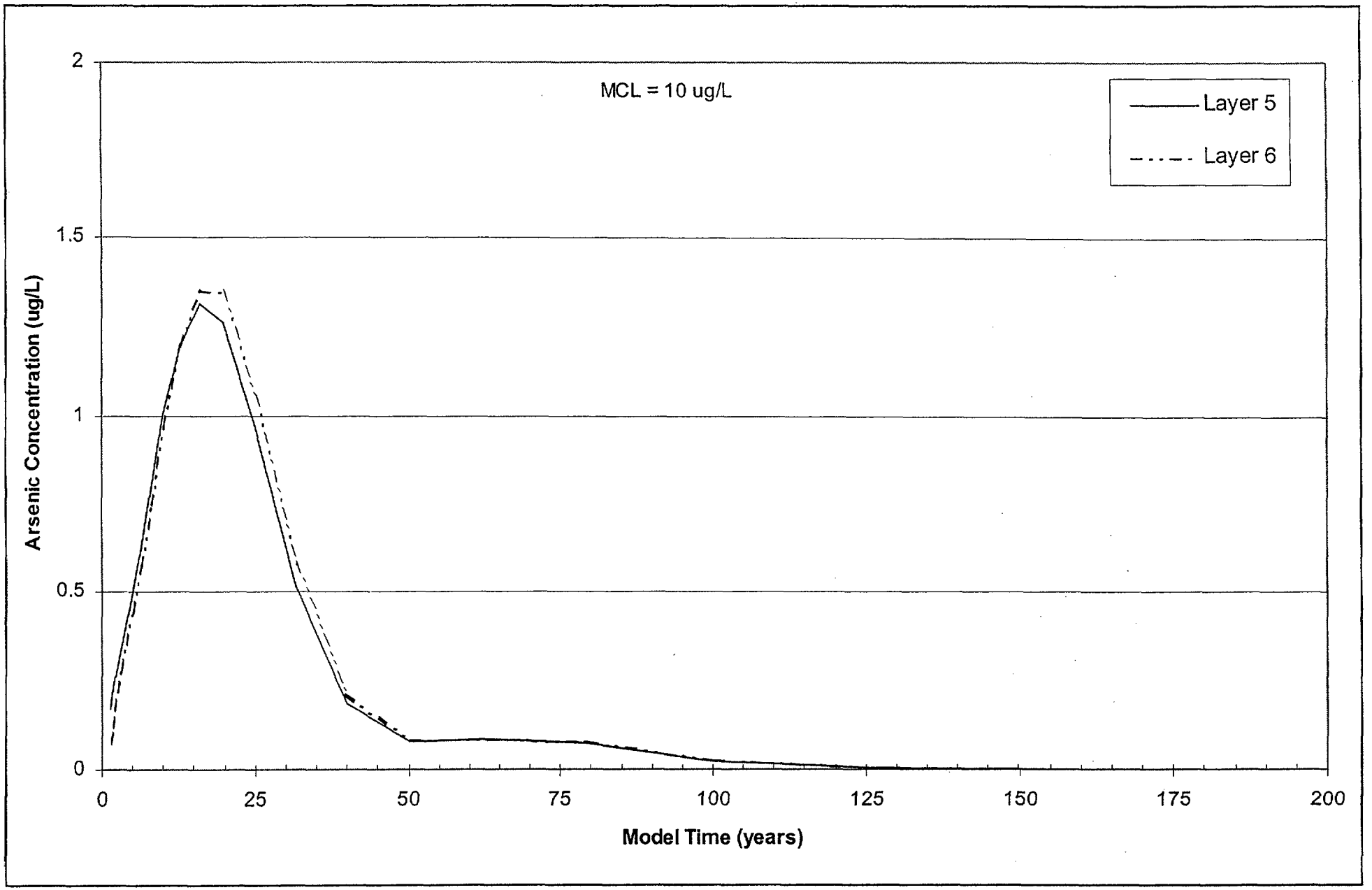

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FIGURE 8-73
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 6

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

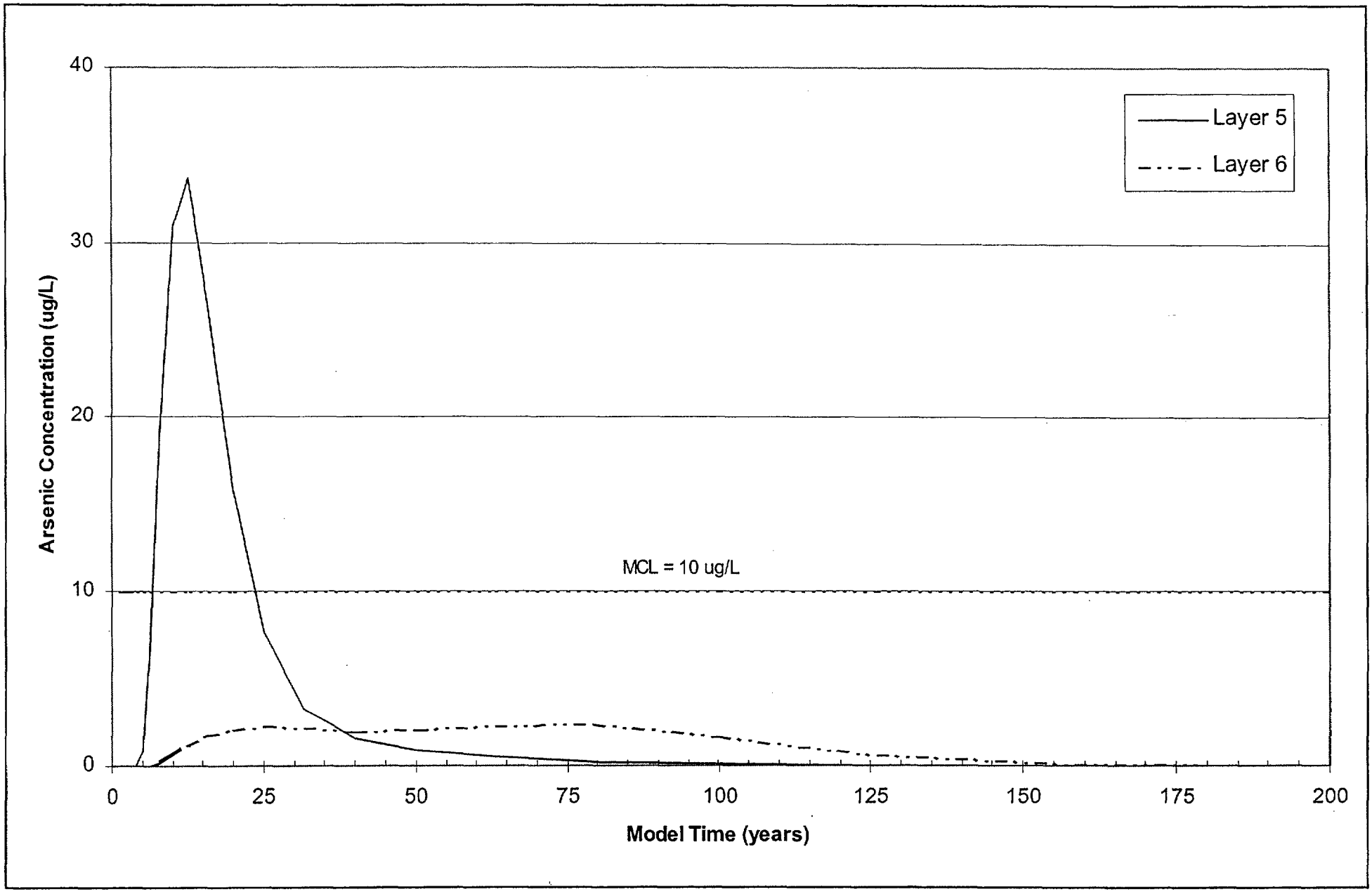

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FIGURE 8-74
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 7

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

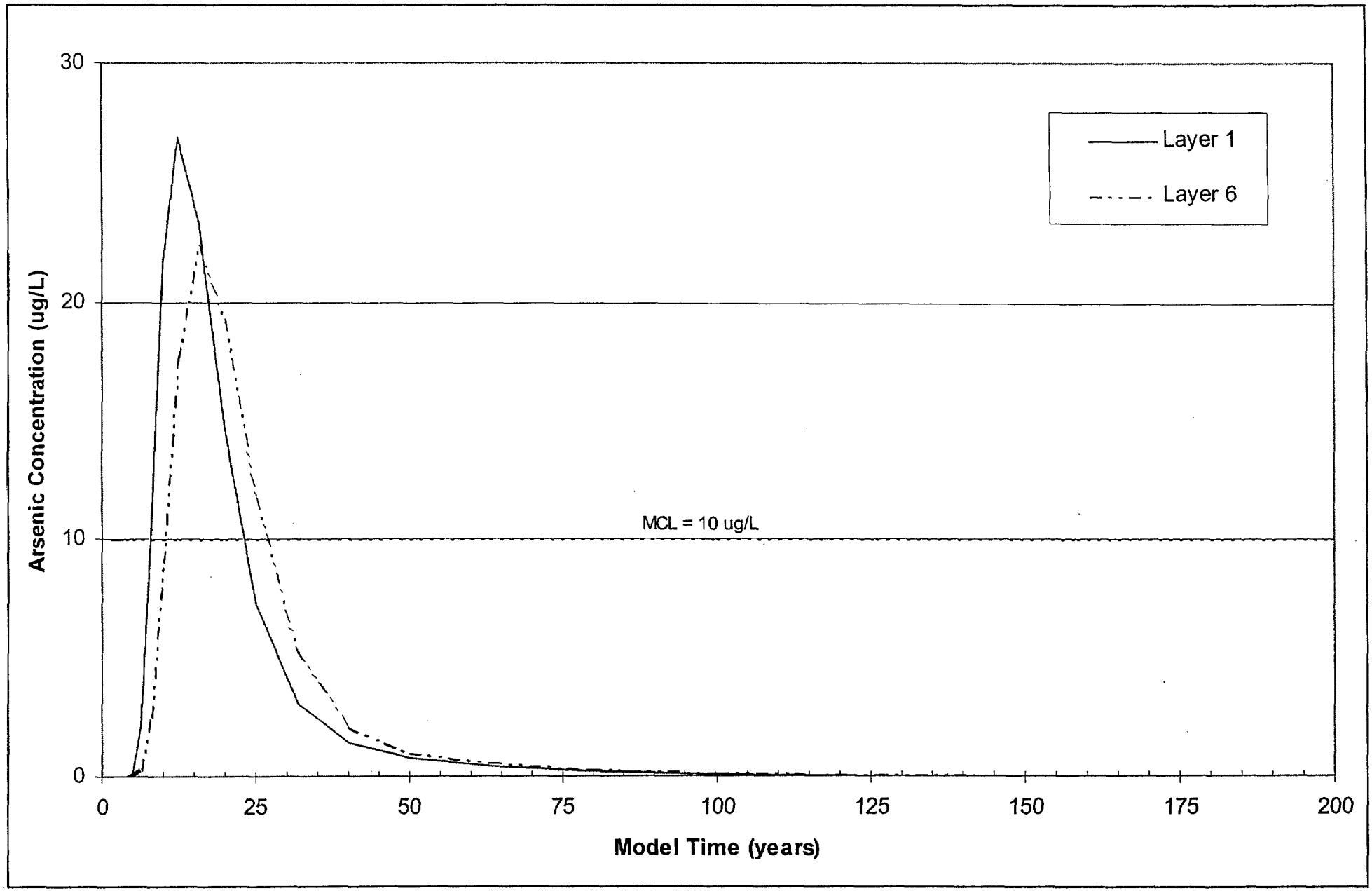

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FIGURE 8-75
MODELED ARSENIC CONCENTRATION AT OBSERVATION POINT 8

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

Filename: E:\100734\REVISED-2002-AUG\years-U.dwg
Date: 09/30/2002
Time: 16:25:48.56

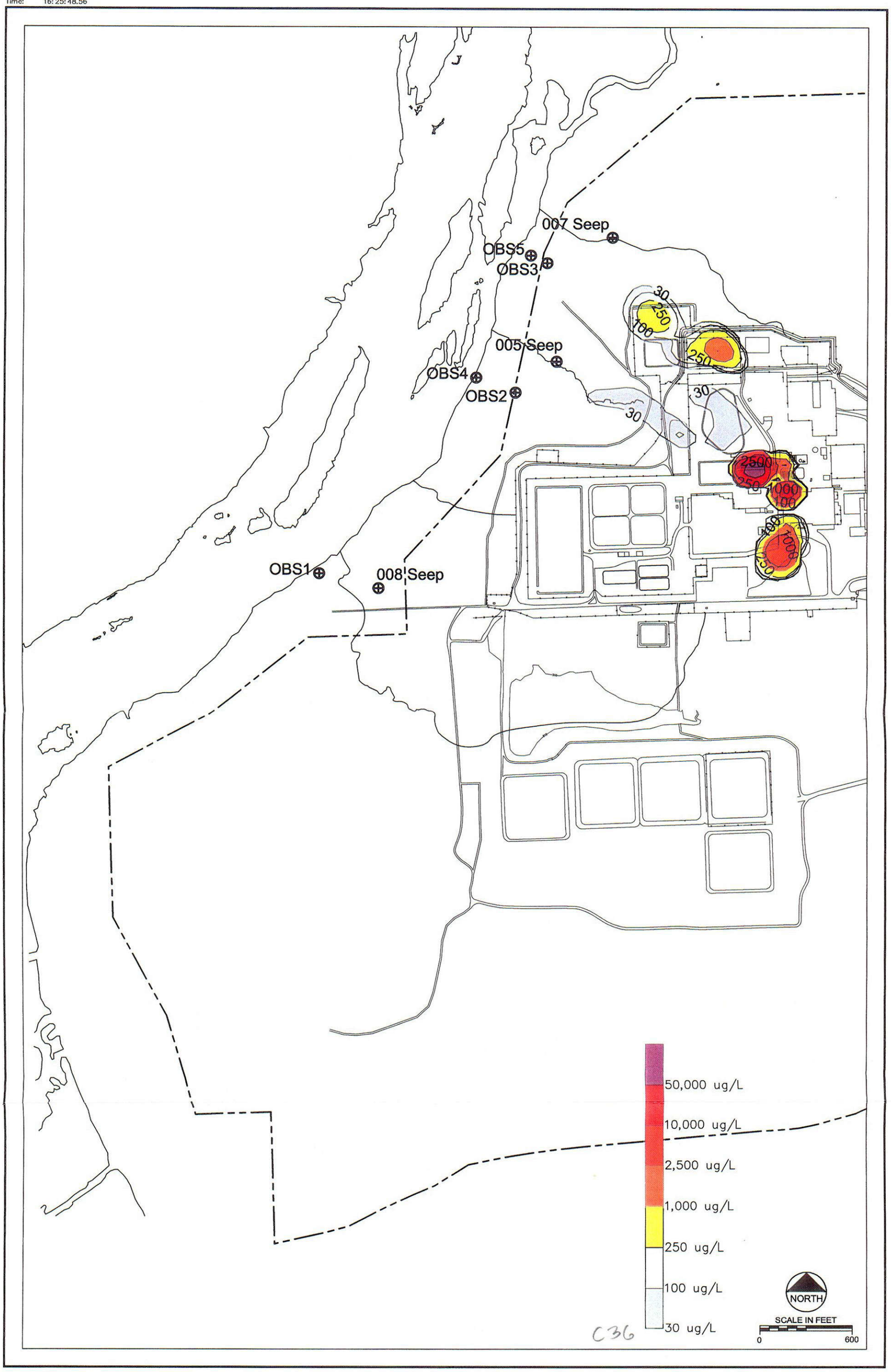

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FIGURE 8-76
MODELED URANIUM MAXIMUM INITIAL CONCENTRATIONS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-U.DWG

Filename: E:\100734\REVISED-2002 -AUG\years-U.dwg
Date: 09/30/2002
Time: 16:25:48.56

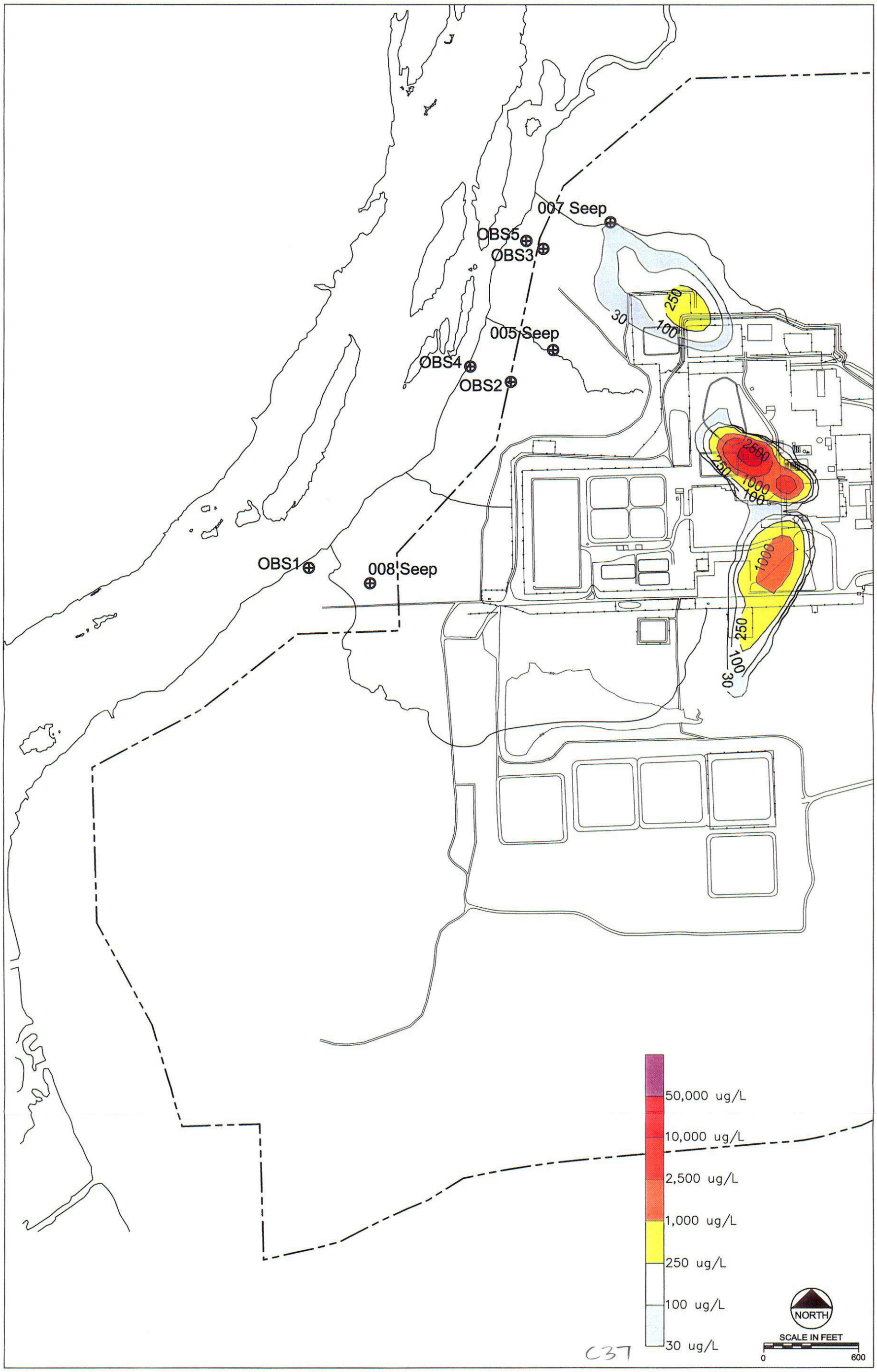

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FIGURE 8-77
MODELED URANIUM MAXIMUM CONCENTRATIONS 50 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-U.DWG

Filename: E:\100734\REVISED-2002-AUG\years-U.dwg
Date: 09/30/2002
Time: 16:25:48.56

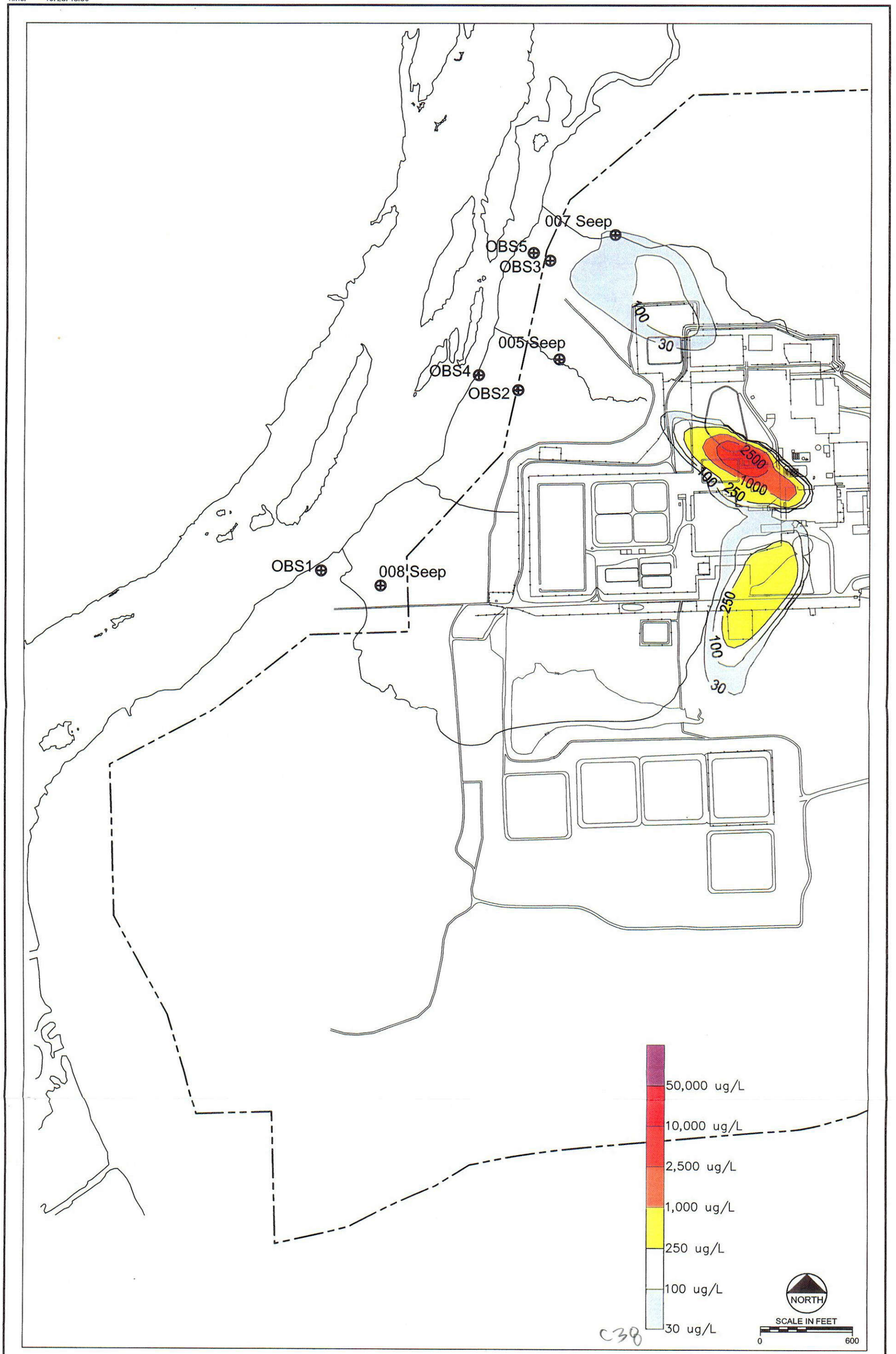

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FIGURE 8-78
MODELED URANIUM MAXIMUM CONCENTRATIONS 100 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-U.DWG

Filename: E:\100734\REVISED--2002-AUG\years-U.dwg
Date: 09/30/2002
Time: 16:25:48.56

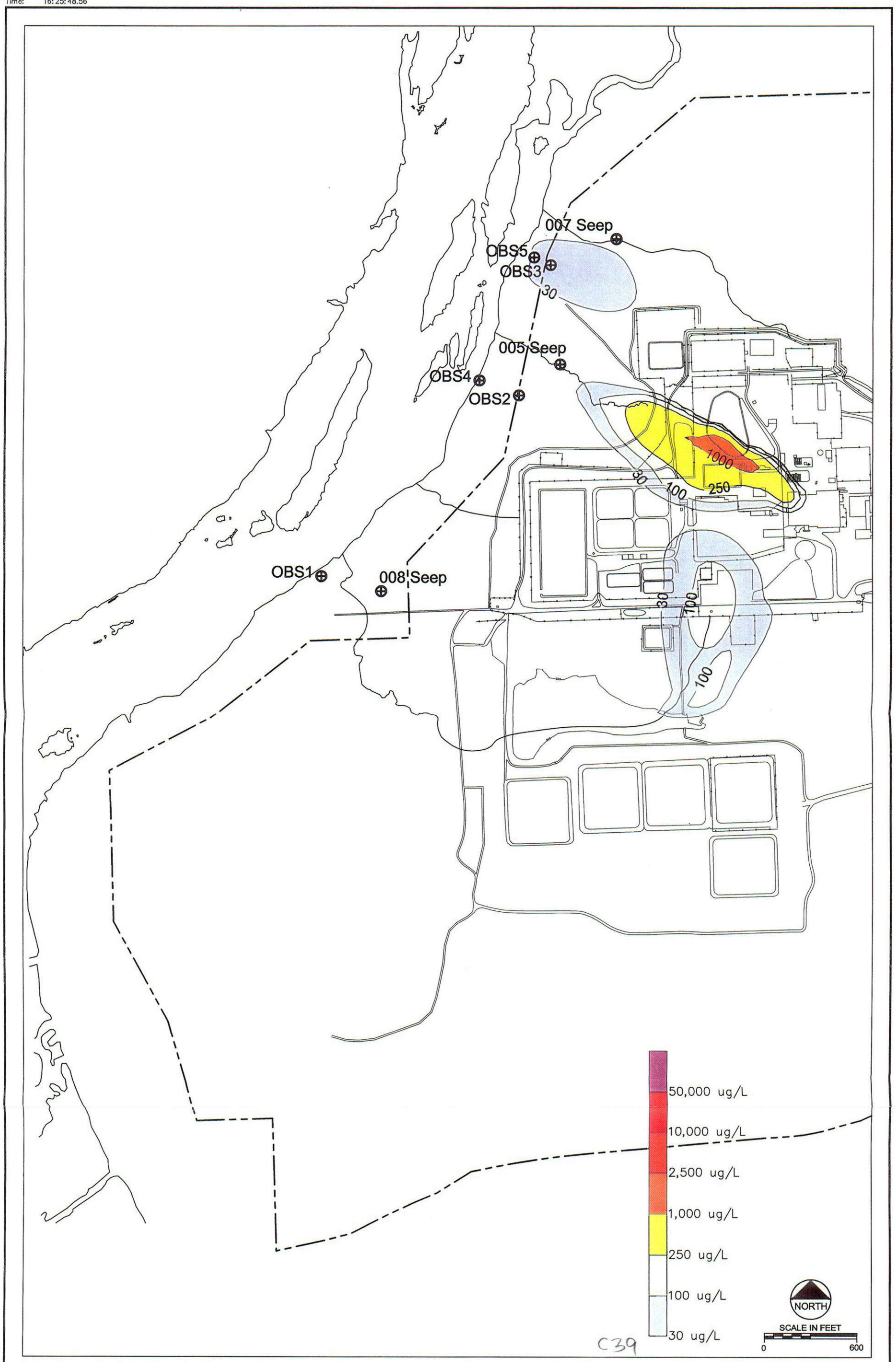

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FIGURE 8-79
MODELED URANIUM MAXIMUM CONCENTRATIONS 250 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*\
File:	YEARS-U.DWG

Filename: E:\100734\REVISED-2002-AUG\years-U.dwg
Date: 09/30/2002
Time: 16:25:48.56

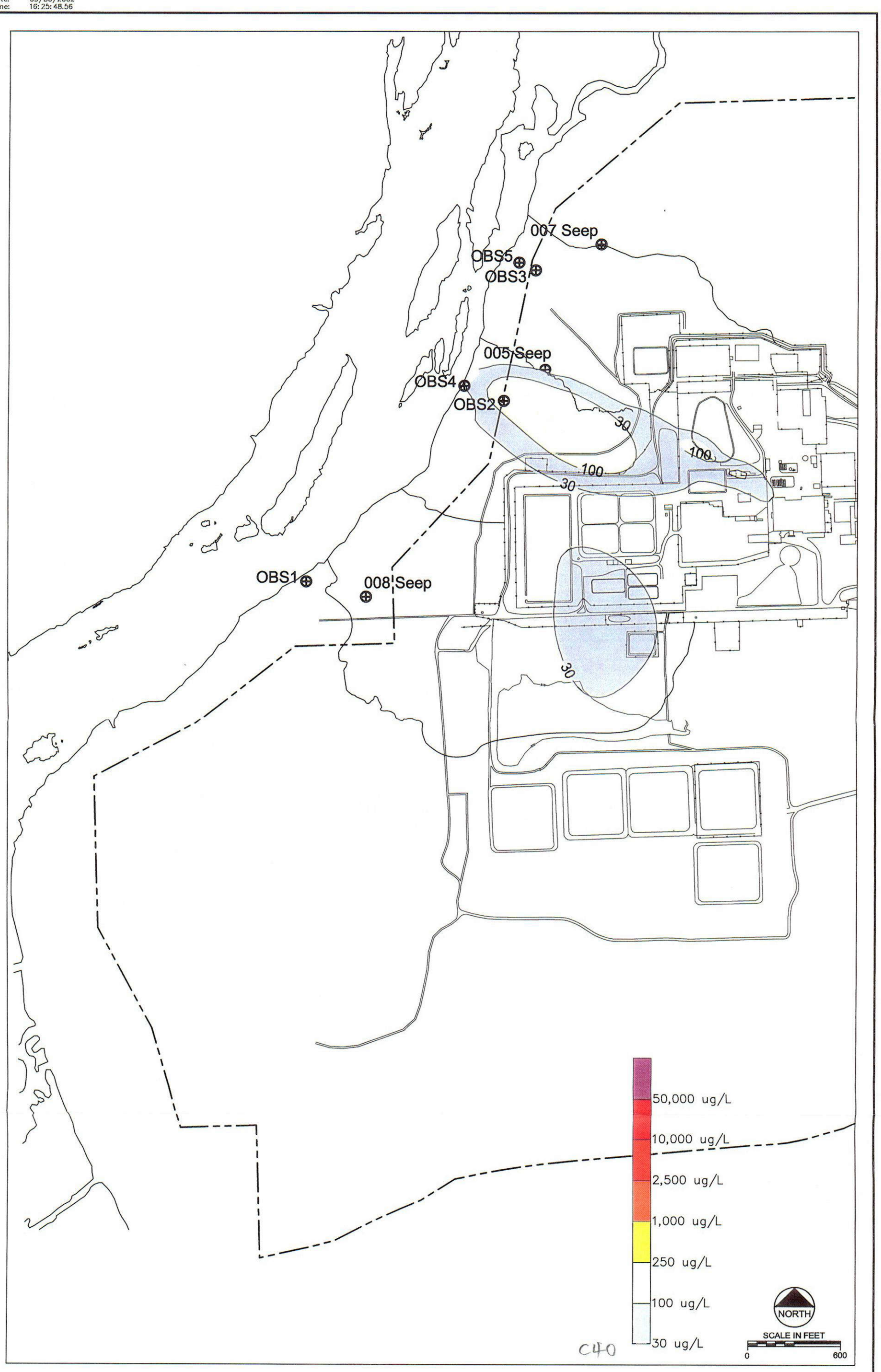

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FIGURE 8-80
MODELED URANIUM MAXIMUM CONCENTRATIONS 500 YEARS

Date:	OCTOBER 2002
Project:	100734\REVISED-20*
File:	YEARS-U.DWG

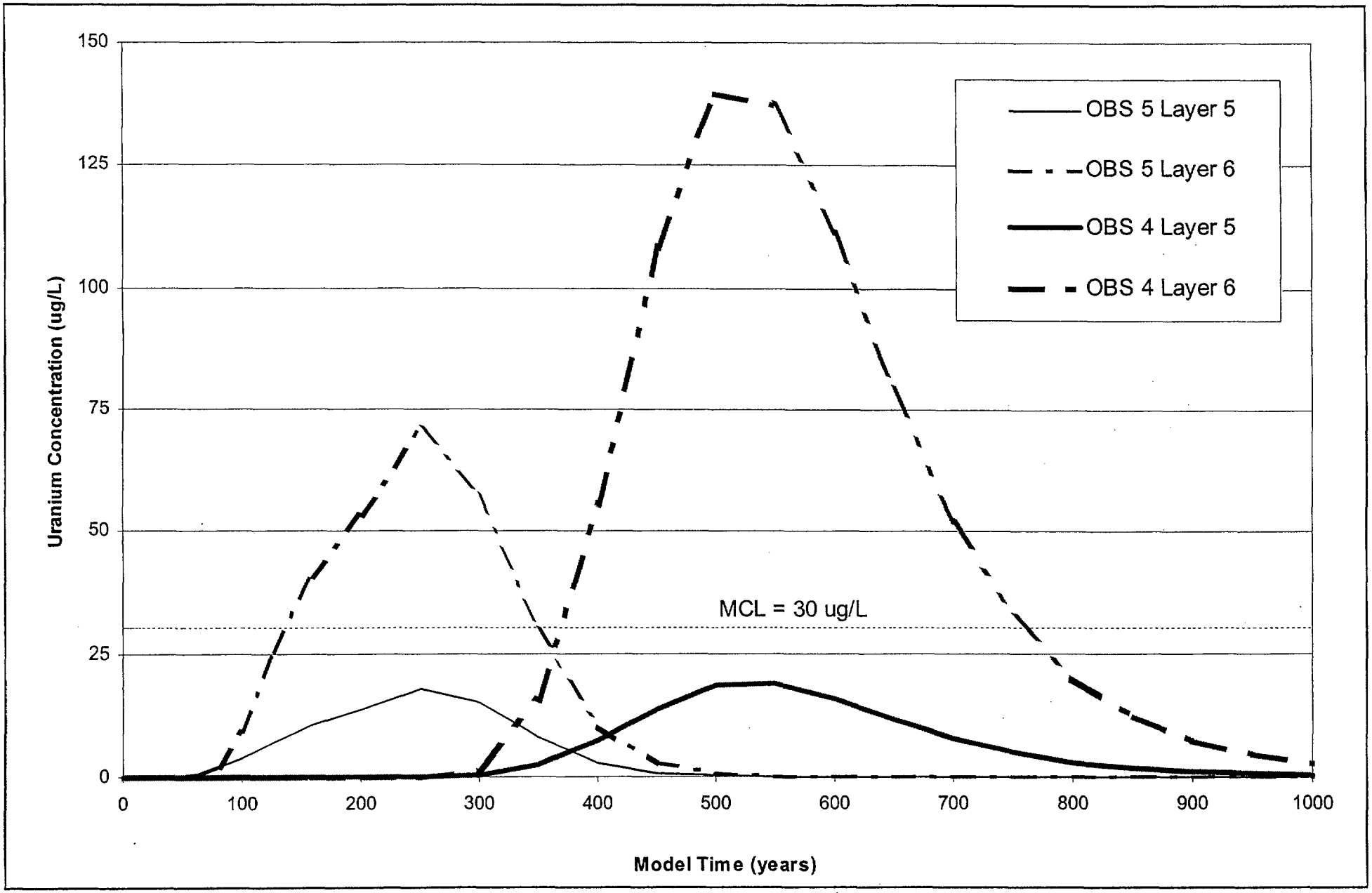

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FIGURE 8-81
URANIUM CONCENTRATIONS AT OBSERVATION POINTS 4 AND 5

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	U CONC.ppt

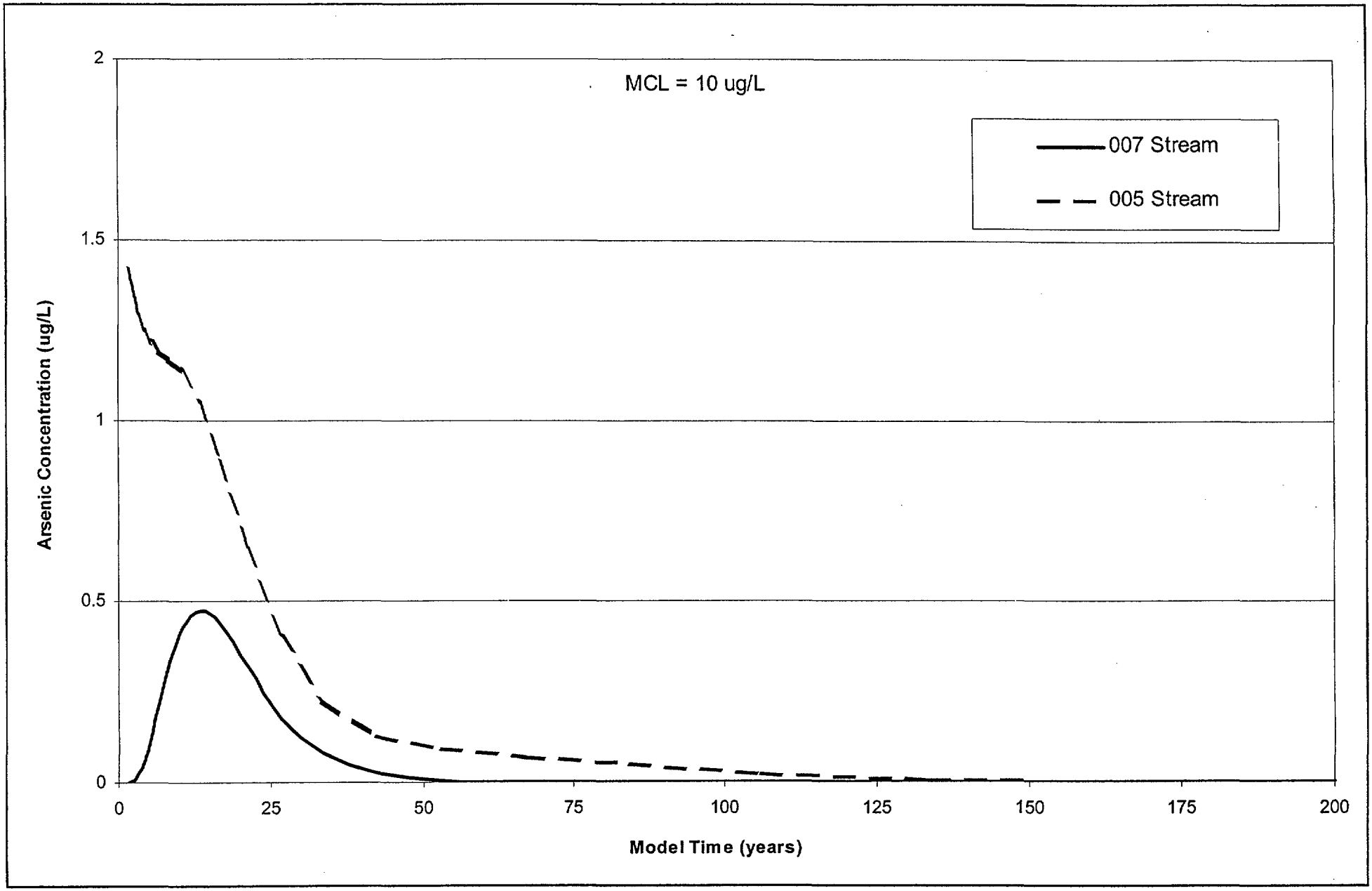

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FIGURE 8-82
ARSENIC CONCENTRATIONS IN STREAMS

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	STREAMS.ppt

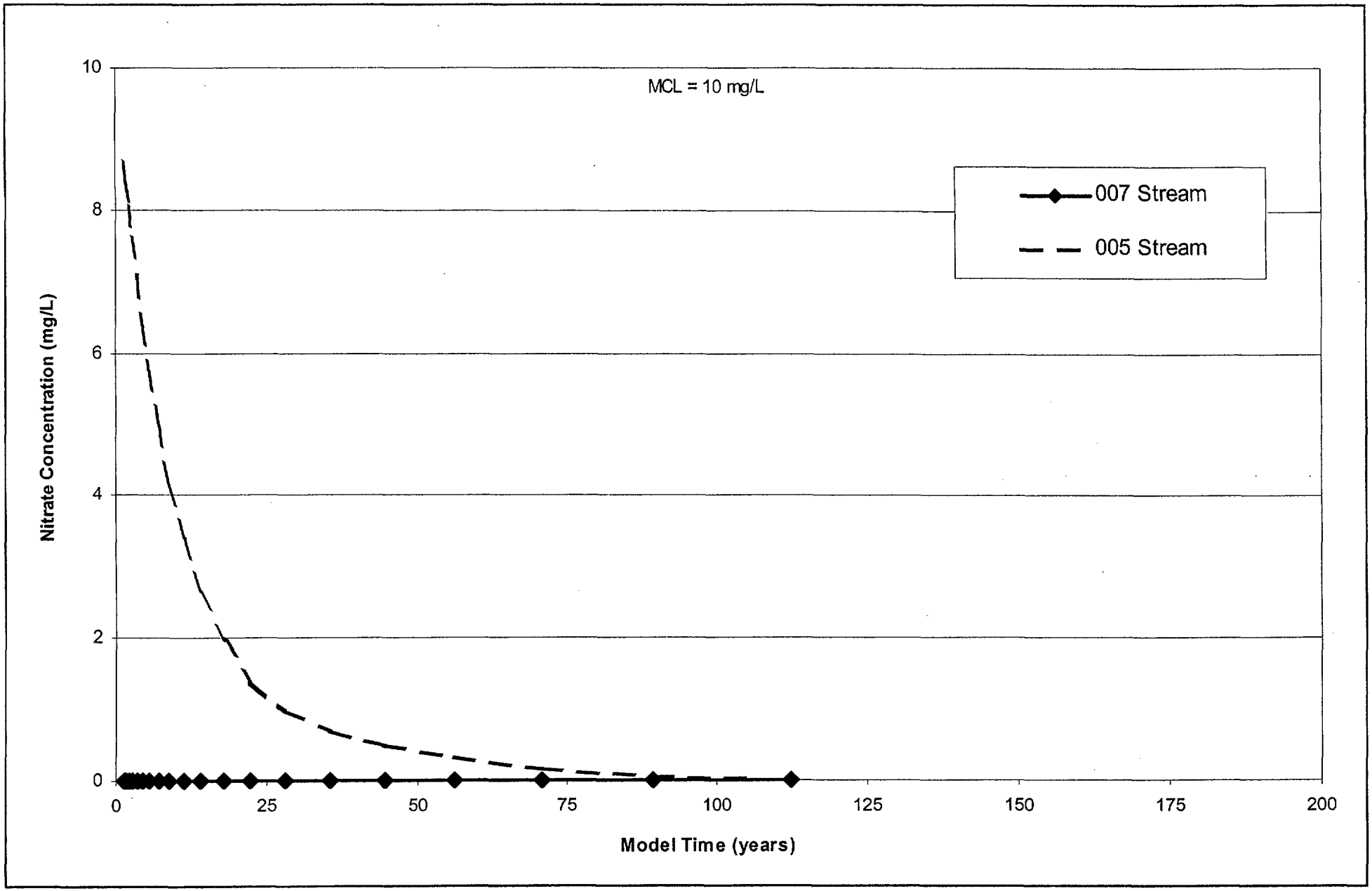

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FIGURE 8-83
NITRATE CONCENTRATIONS IN STREAMS

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	STREAMS.ppt

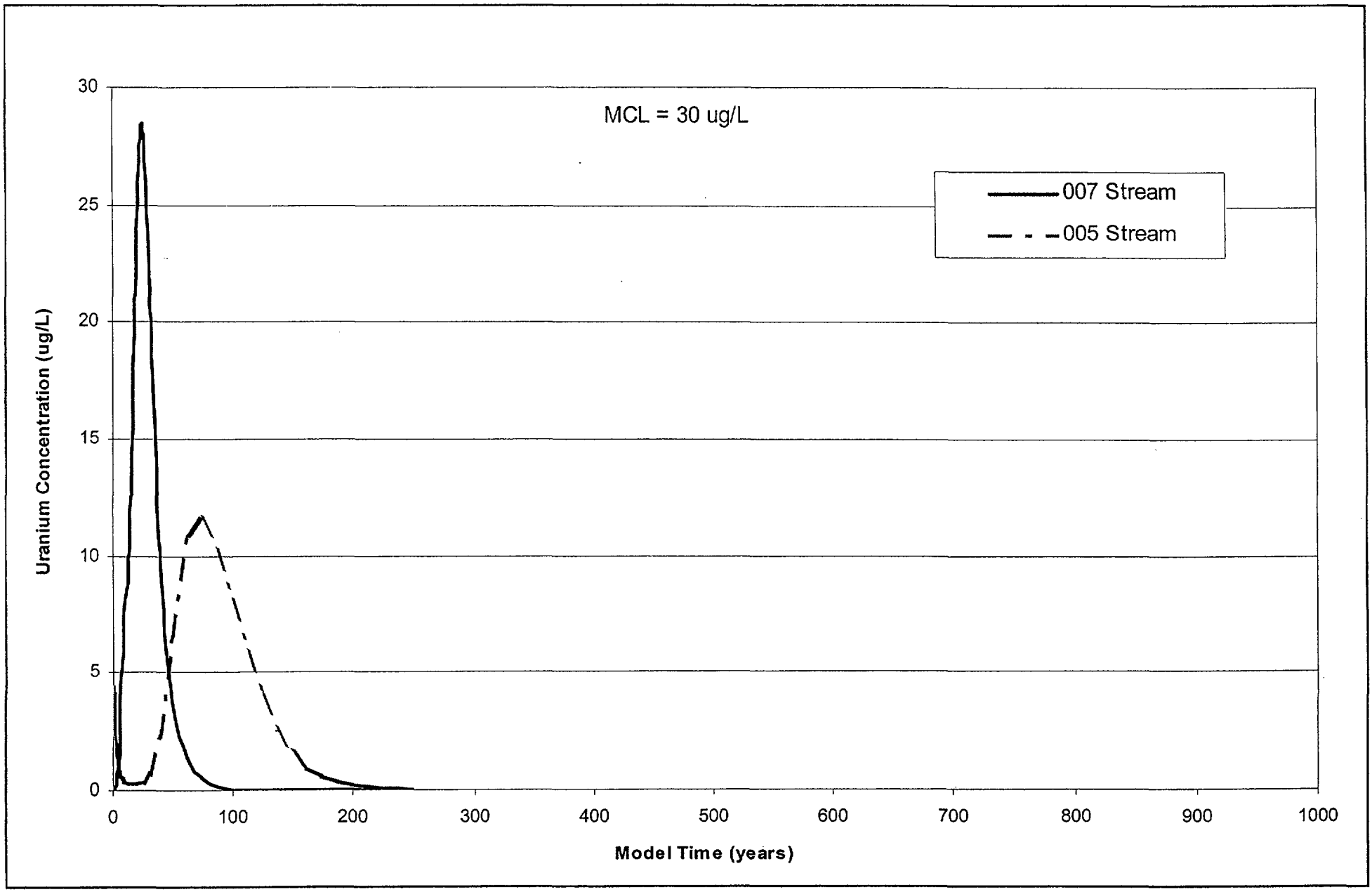

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FIGURE 8-84
URANIUM CONCENTRATIONS IN STREAMS

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	STREAMS.ppt

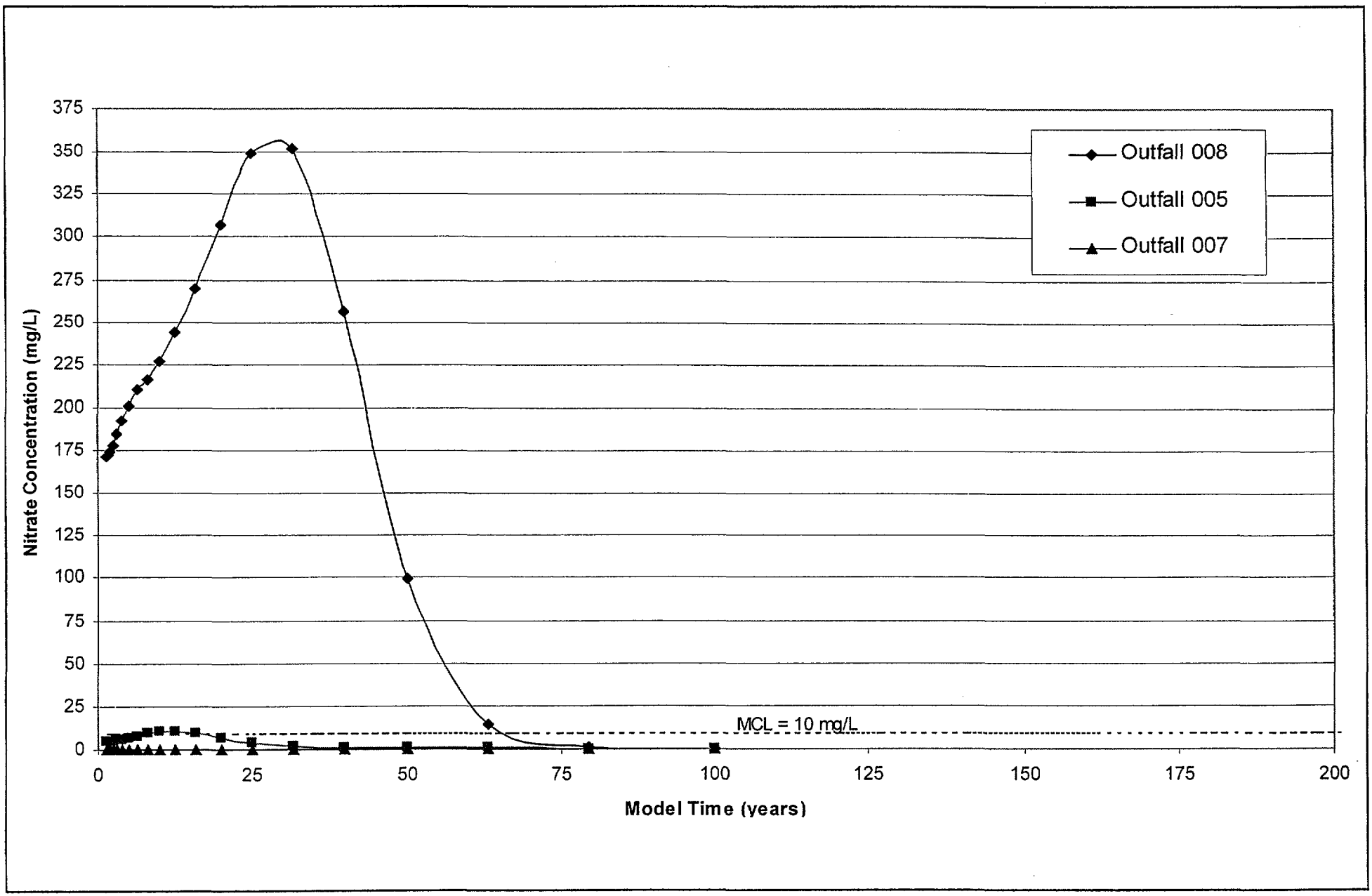

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FIGURE 8-85
NITRATE CONCENTRATIONS IN SEEPS

Date:	OCTOBER 2002
Project:	P:100734-2\REV CHAR RPT
File:	NIT CONC.ppt

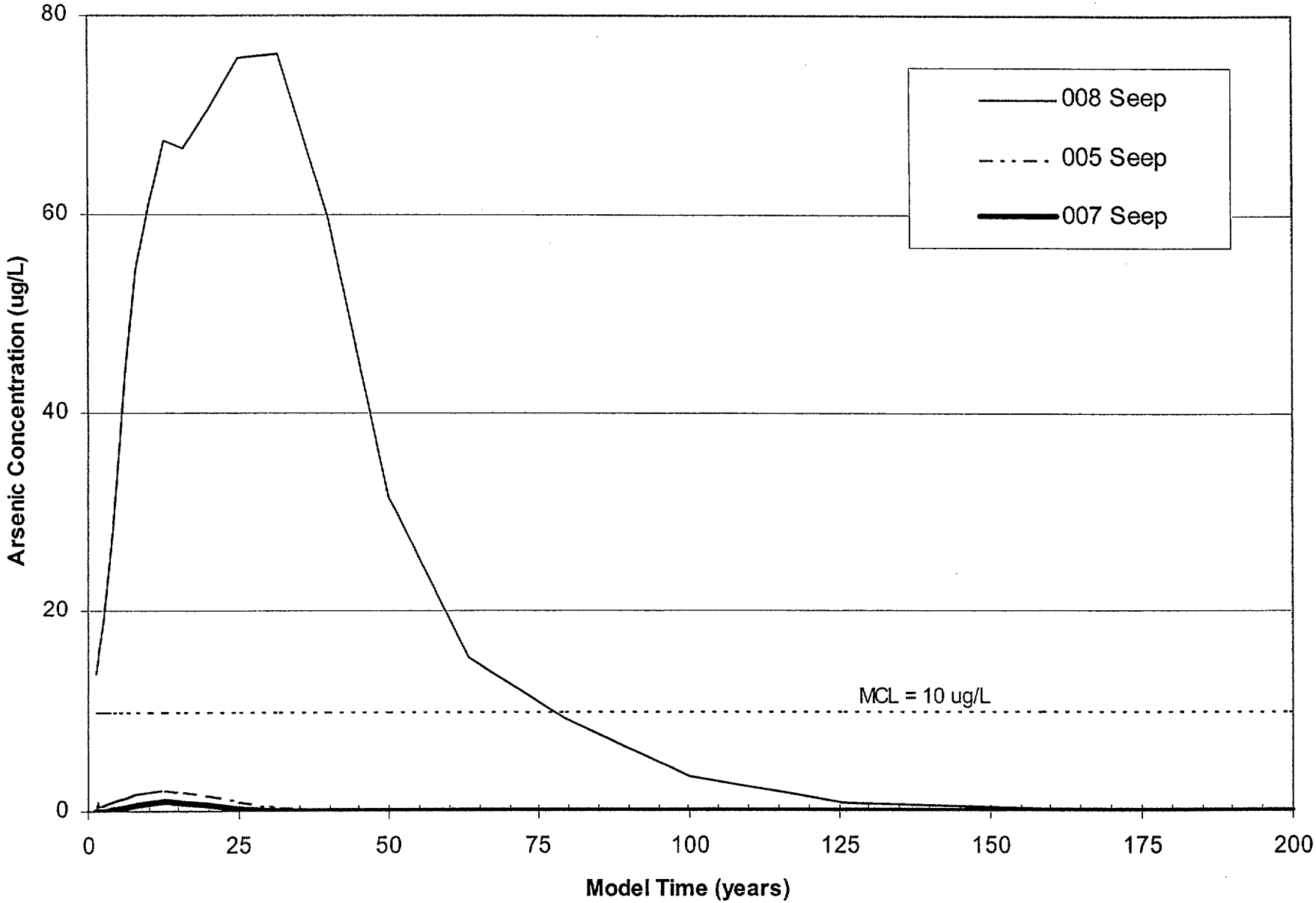

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FIGURE 8-36
MODELED ARSENIC CONCENTRATION AT SEEPS

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	OBS ARSENIC.ppt

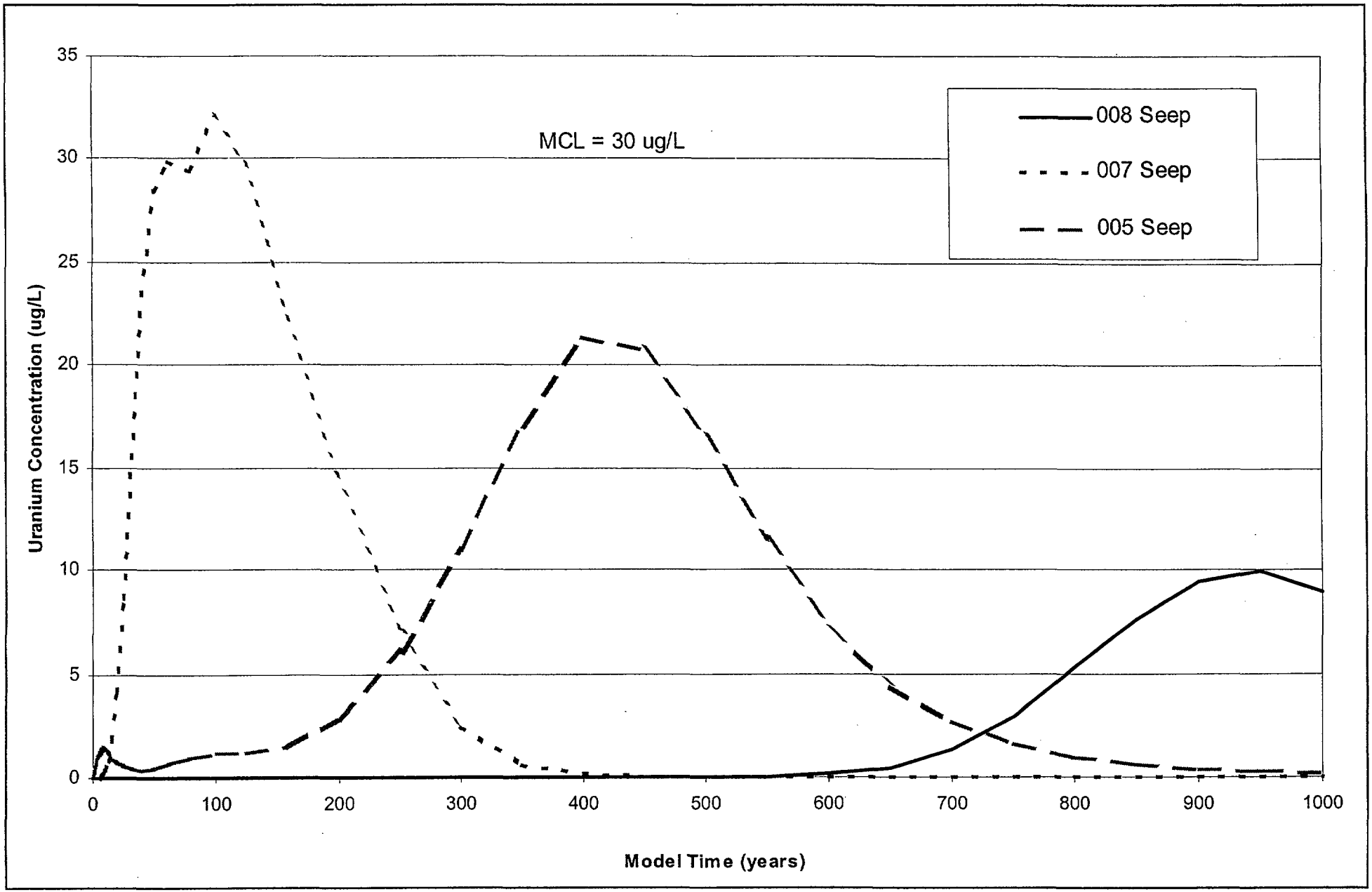

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FIGURE 8-87
URANIUM CONCENTRATIONS IN SEEPS

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	U CONC.ppt

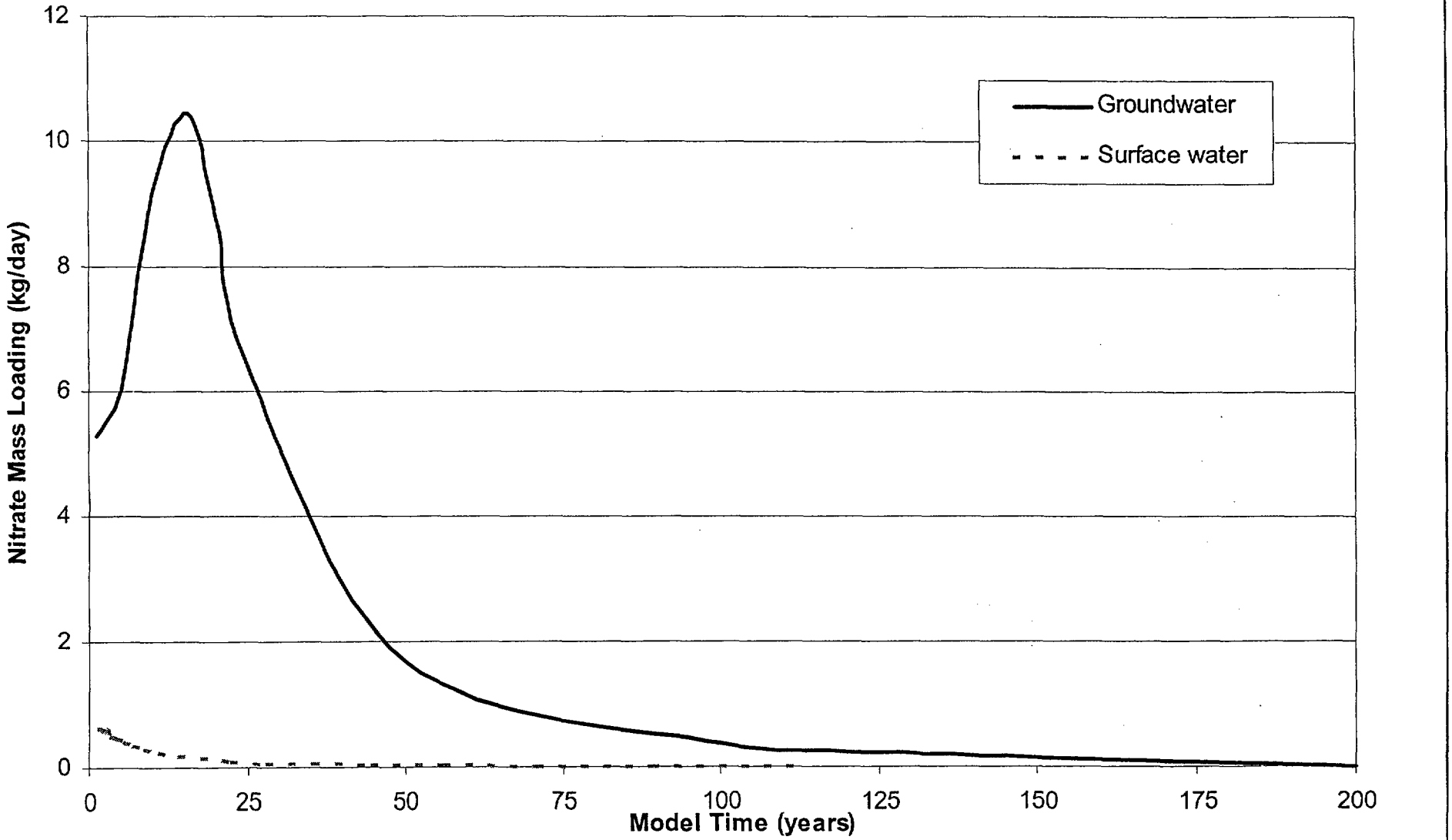

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FIGURE 8-88
NITRATE MASS LOADING TO RIVER

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	MASS LOADING.ppt

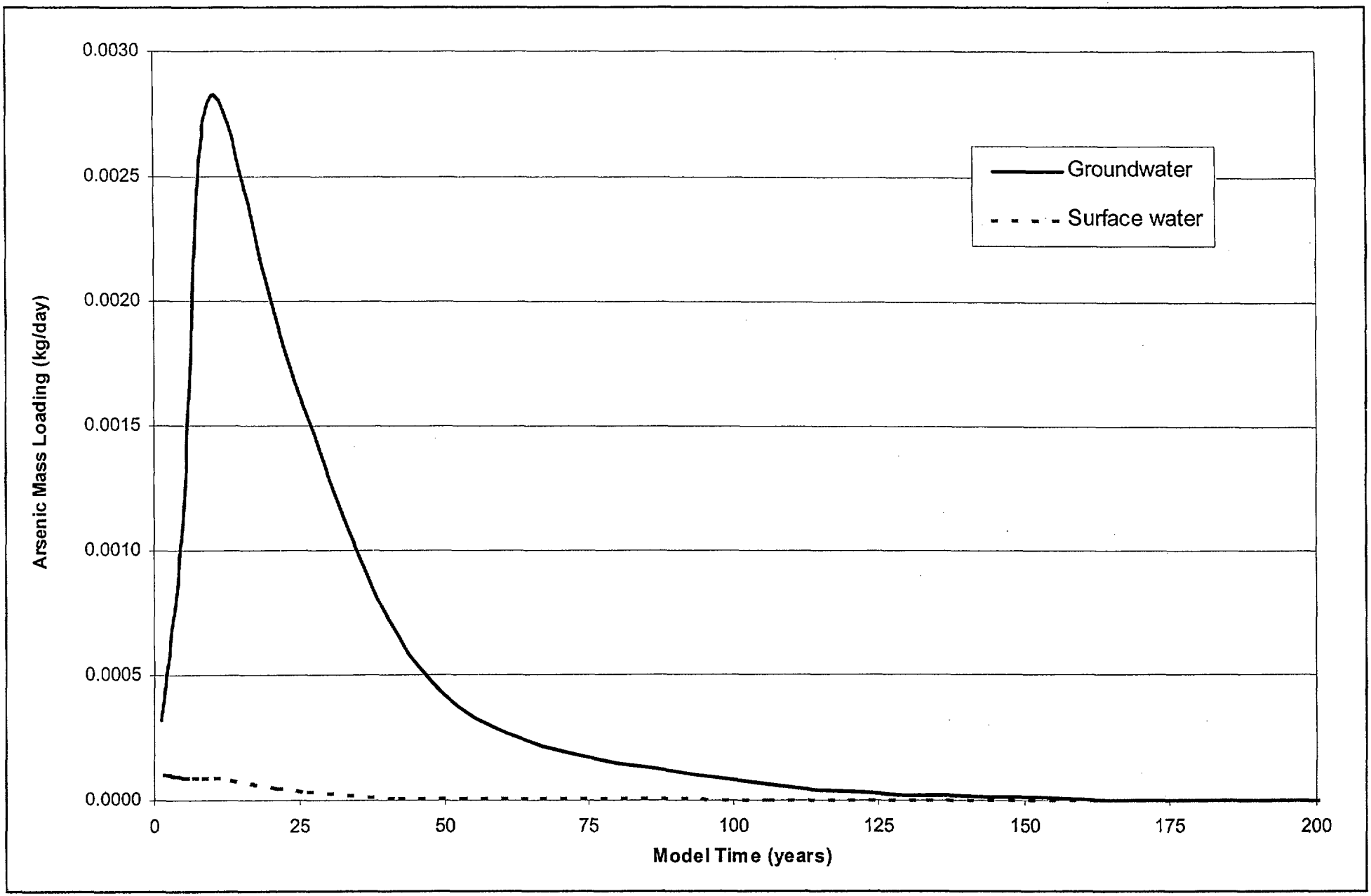

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FIGURE 8-89
ARSENIC MASS LOADING TO RIVER

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	MASS LOADING.ppt

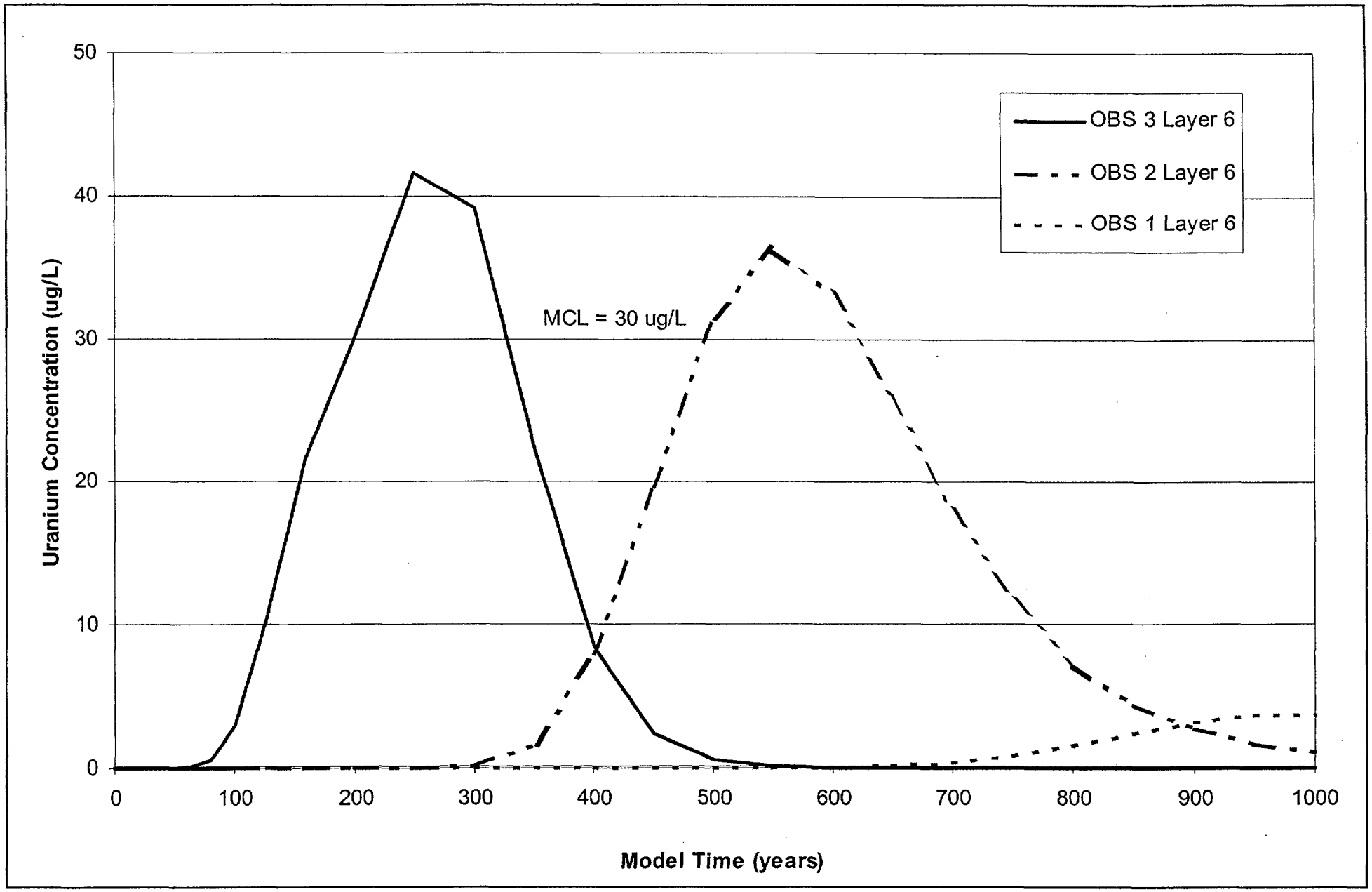

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FIGURE 8-90
URANIUM CONCENTRATIONS AT OBSERVATION POINTS 1, 2 AND 3

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	U CONC.ppt

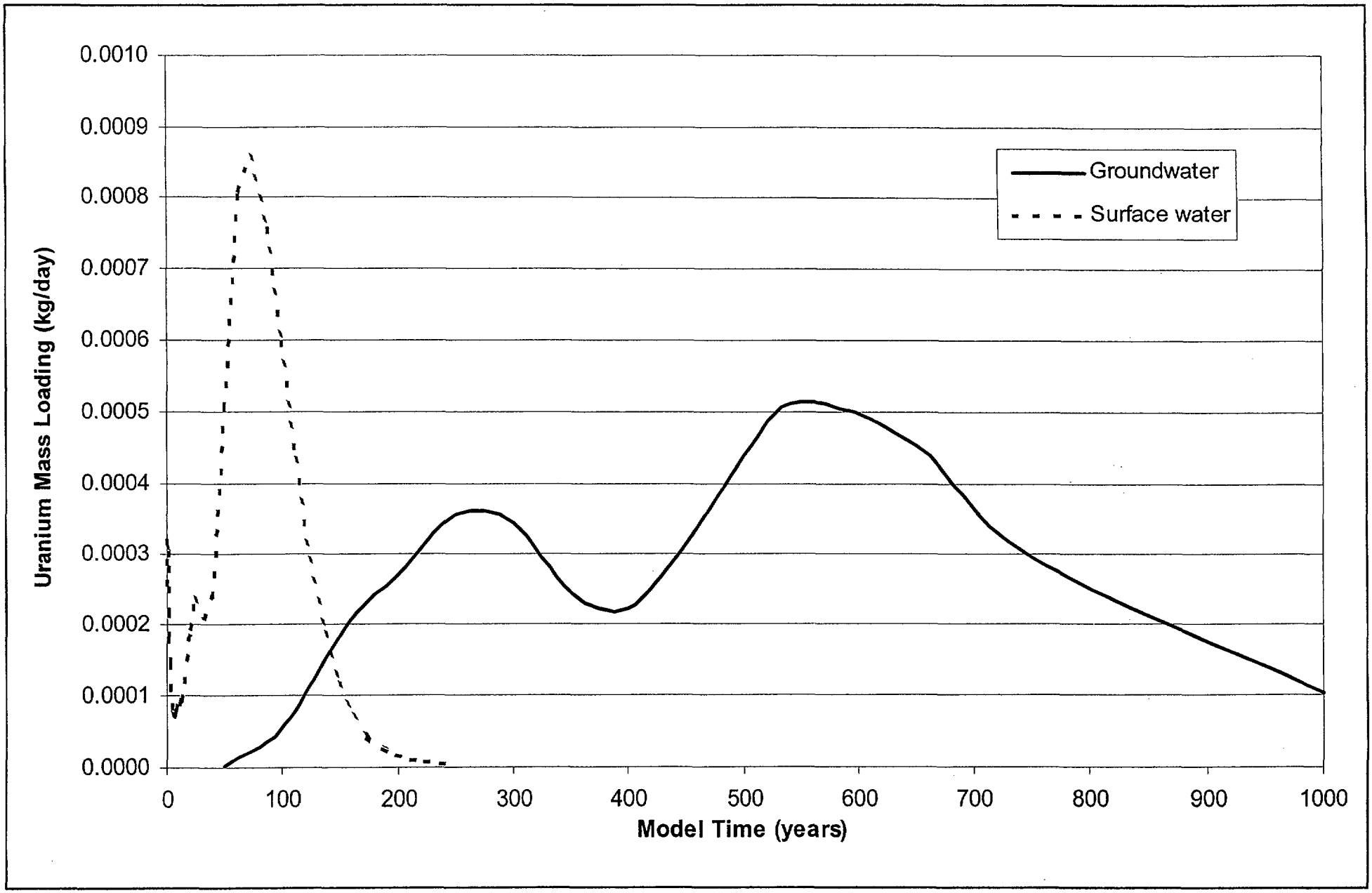

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FIGURE 8-91
URANIUM MASS LOADING TO RIVER

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	MASS LOADING.ppt

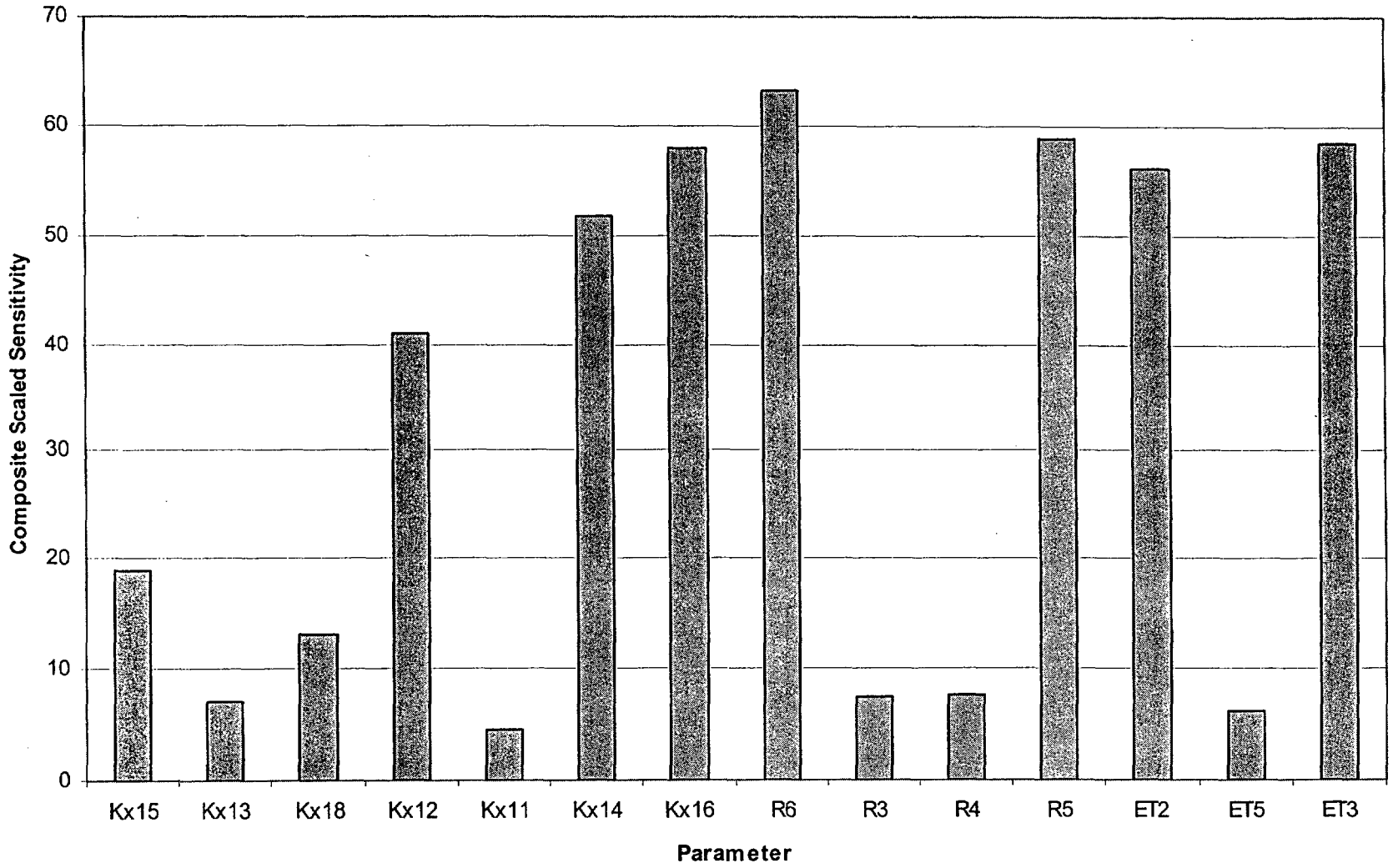

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FIGURE 8-92
COMPOSITE SCALED FLOW SENSITIVITY

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	SENSITIVITY.ppt

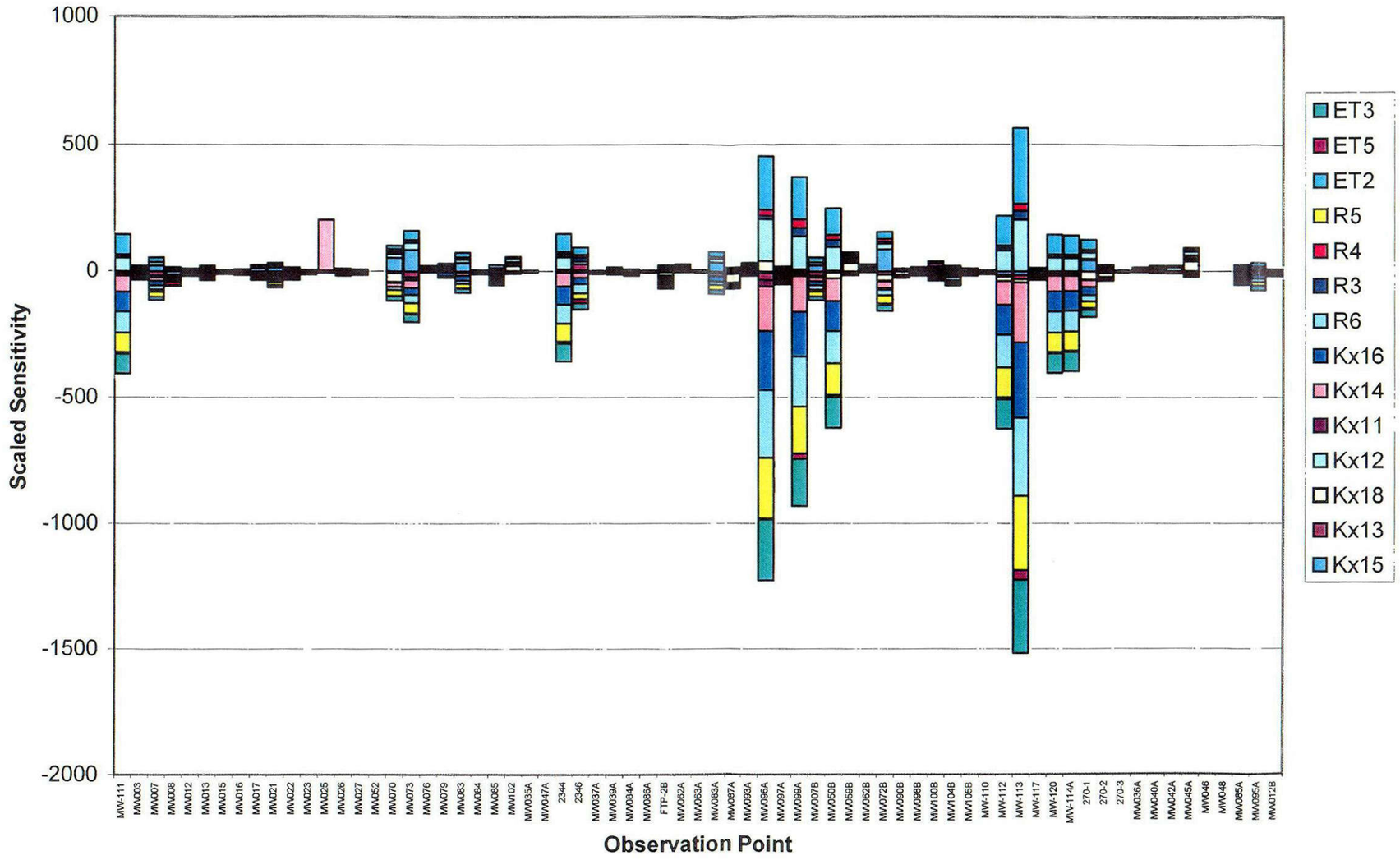

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FIGURE 8-93
FLOW MODEL SCALED SENSITIVITY

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Date:	OCTOBER 2002
Project:	100734
File:	FLOW-SENSIT.dwg

Filenar 34\FLOW-SENSI1.dwg
Date: /02/2002
Time: 08:17:15

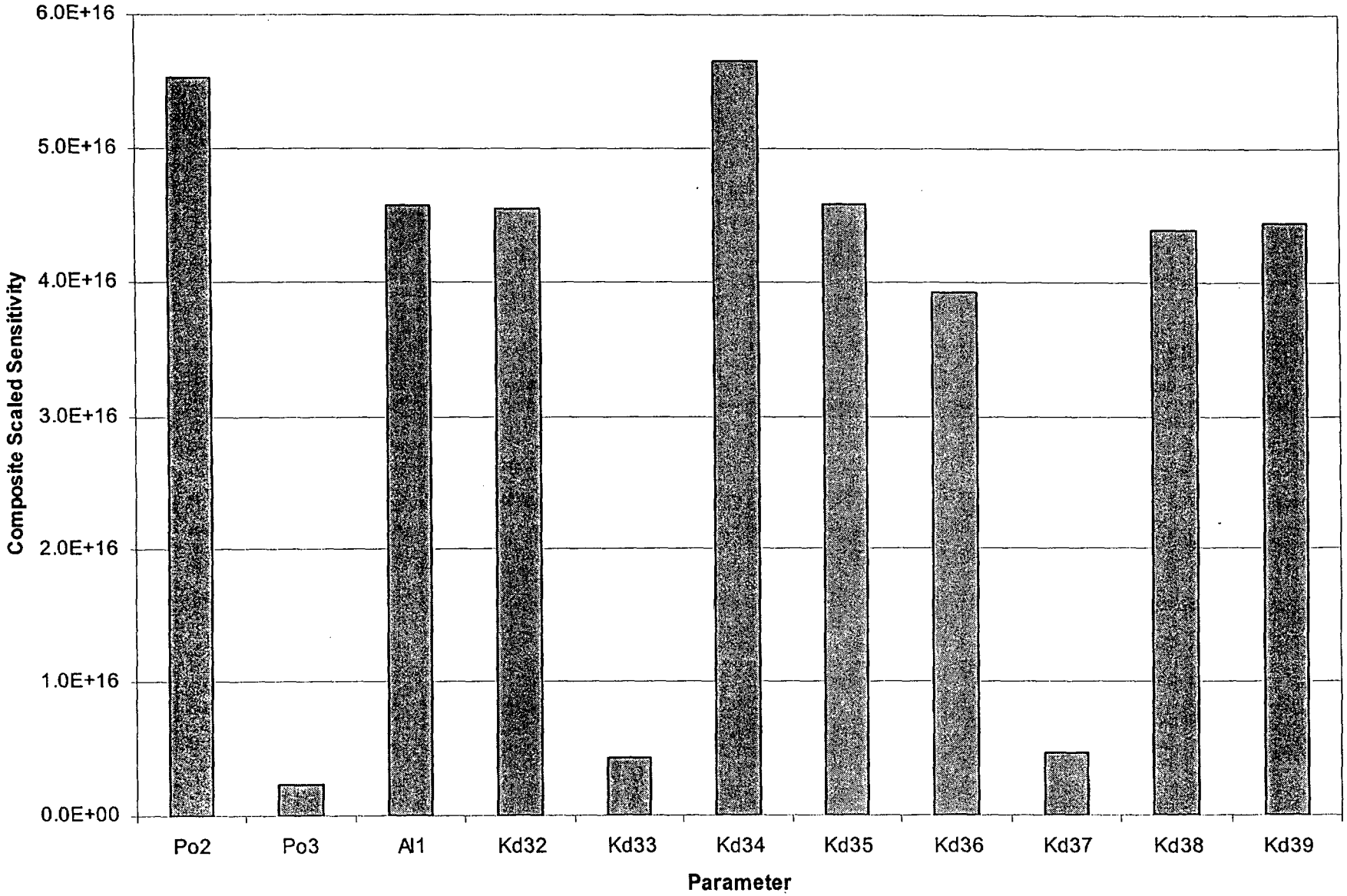

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FIGURE 8-94
COMPOSITE SCALED TRANSPORT SENSITIVITY

Date:	OCTOBER 2002
Project:	P:\100734-2\REV CHAR RPT
File:	SENSITIVITY.ppt