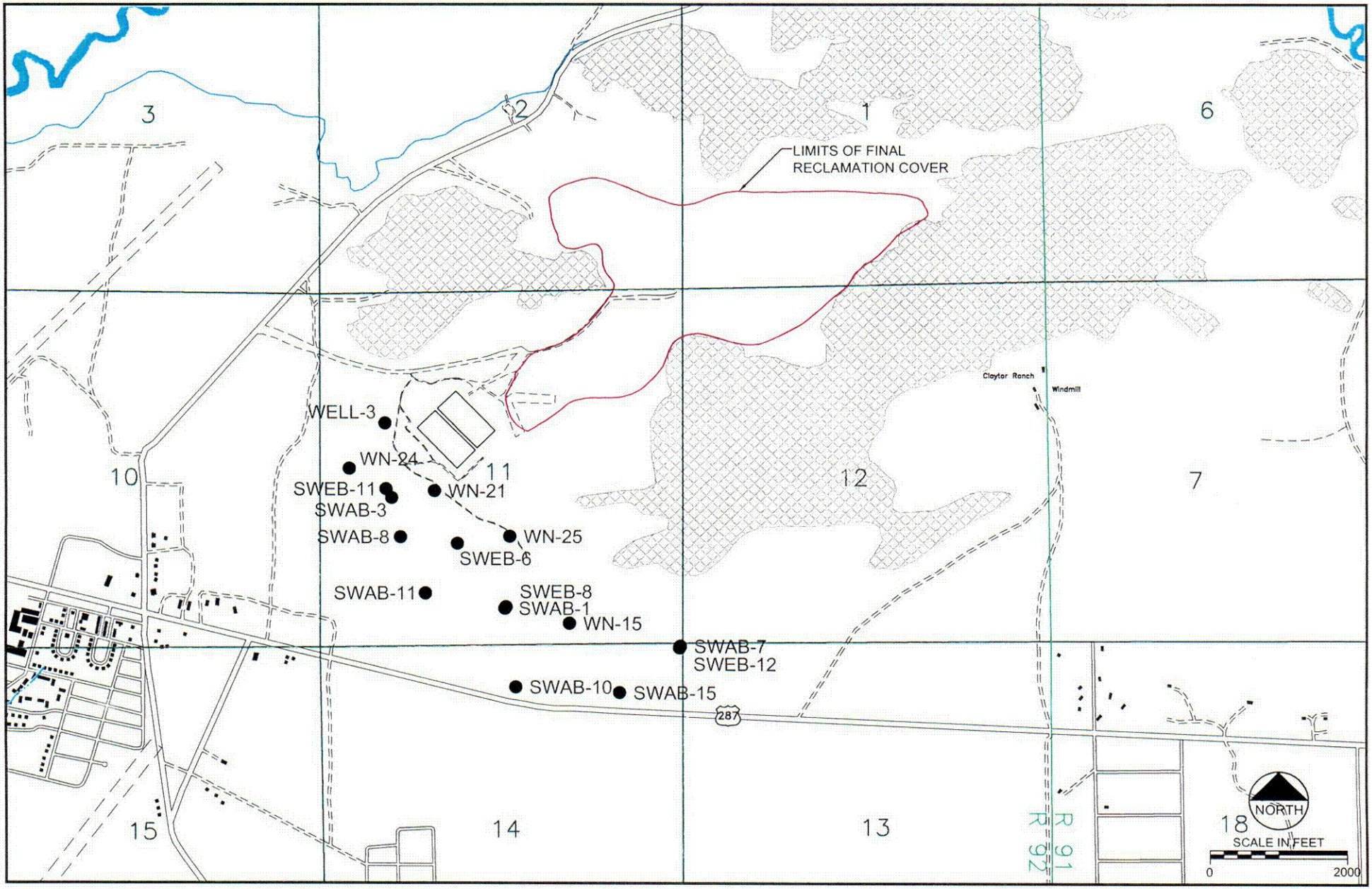

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FIGURE 5.1-1
CONCENTRATION TARGET WELL LOCATIONS

Date:	MARCH 2003
Project:	003347/2003
File:	WELLS-01.DWG

C01

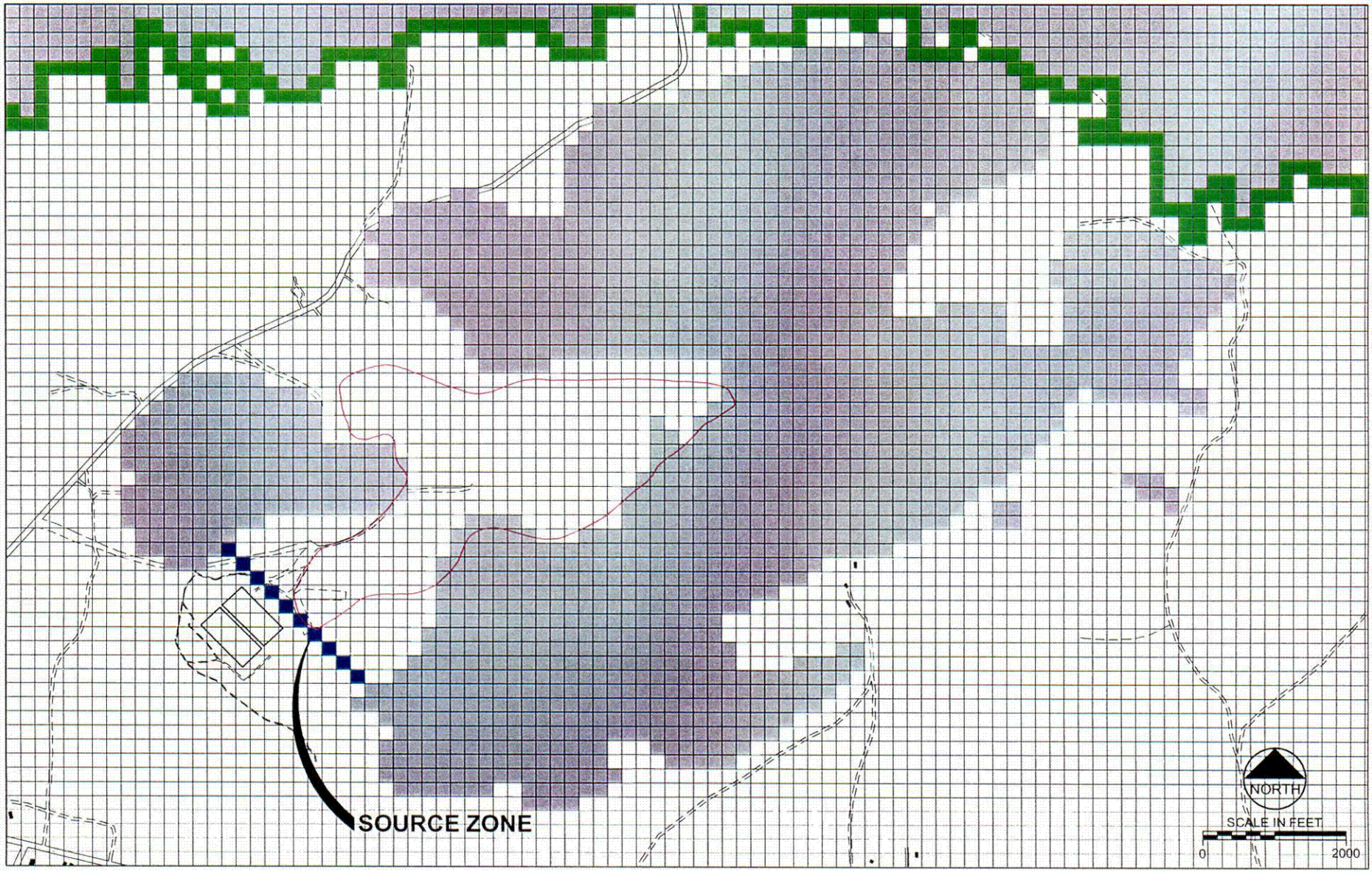

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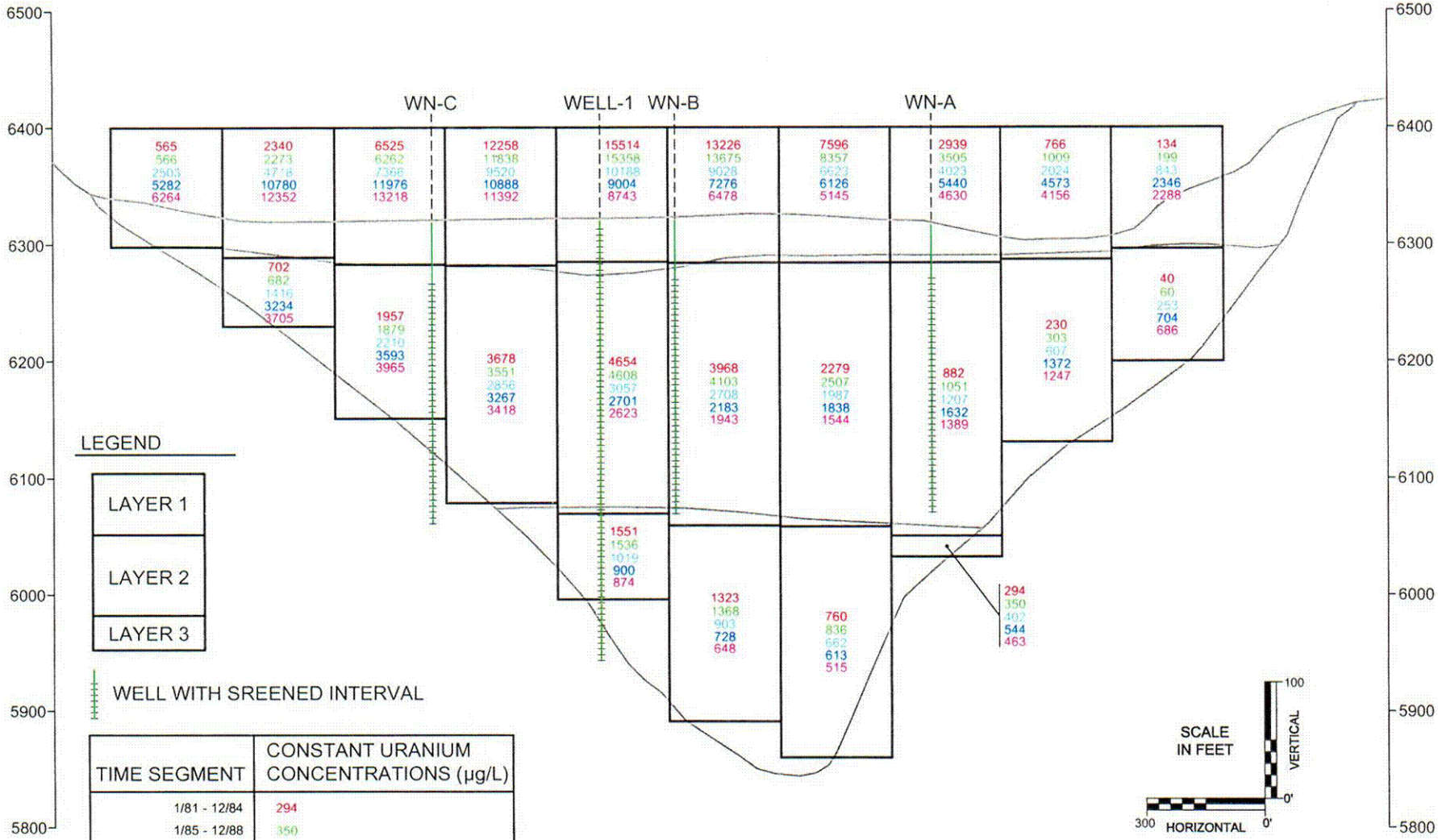
FIGURE 5.2-1
SITE MODEL DOMAIN SHOWING PRESCRIBED SOURCE ZONE

Date:	MARCH 2003
Project:	0033347
File:	DOMAIN-02.DWG

C02



TIME SEGMENT	CONSTANT URANIUM CONCENTRATIONS (µg/L)
1/81 - 12/84	294
1/85 - 12/88	350
1/89 - 12/92	402
1/93 - 12/96	544
1/97 -	463

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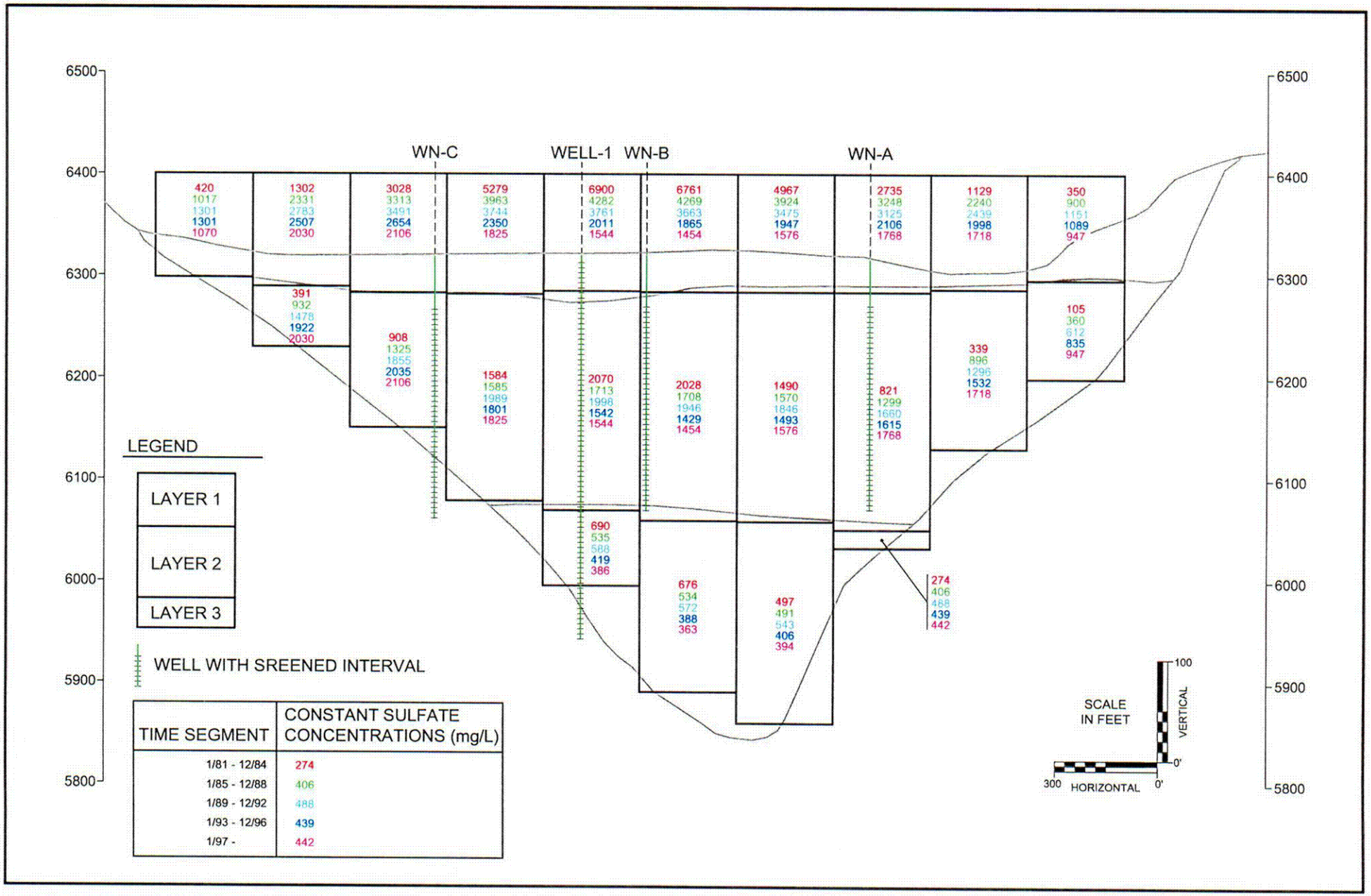
FIGURE 5.2-2
PRESCRIBED URANIUM SOURCE ZONE CROSS SECTION

Date:	MARCH 2003
Project:	003347
File:	XSEC-U_S.DWG

C03



TIME SEGMENT	CONSTANT SULFATE CONCENTRATIONS (mg/L)
1/81 - 12/84	274
1/85 - 12/88	406
1/89 - 12/92	488
1/93 - 12/96	439
1/97 -	442

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FIGURE 5.2-3
PRESCRIBED SULFATE SOURCE ZONE CROSS SECTION

Date:	MARCH 2003
Project:	003347
File:	XSEC-U_S.DWG

C04

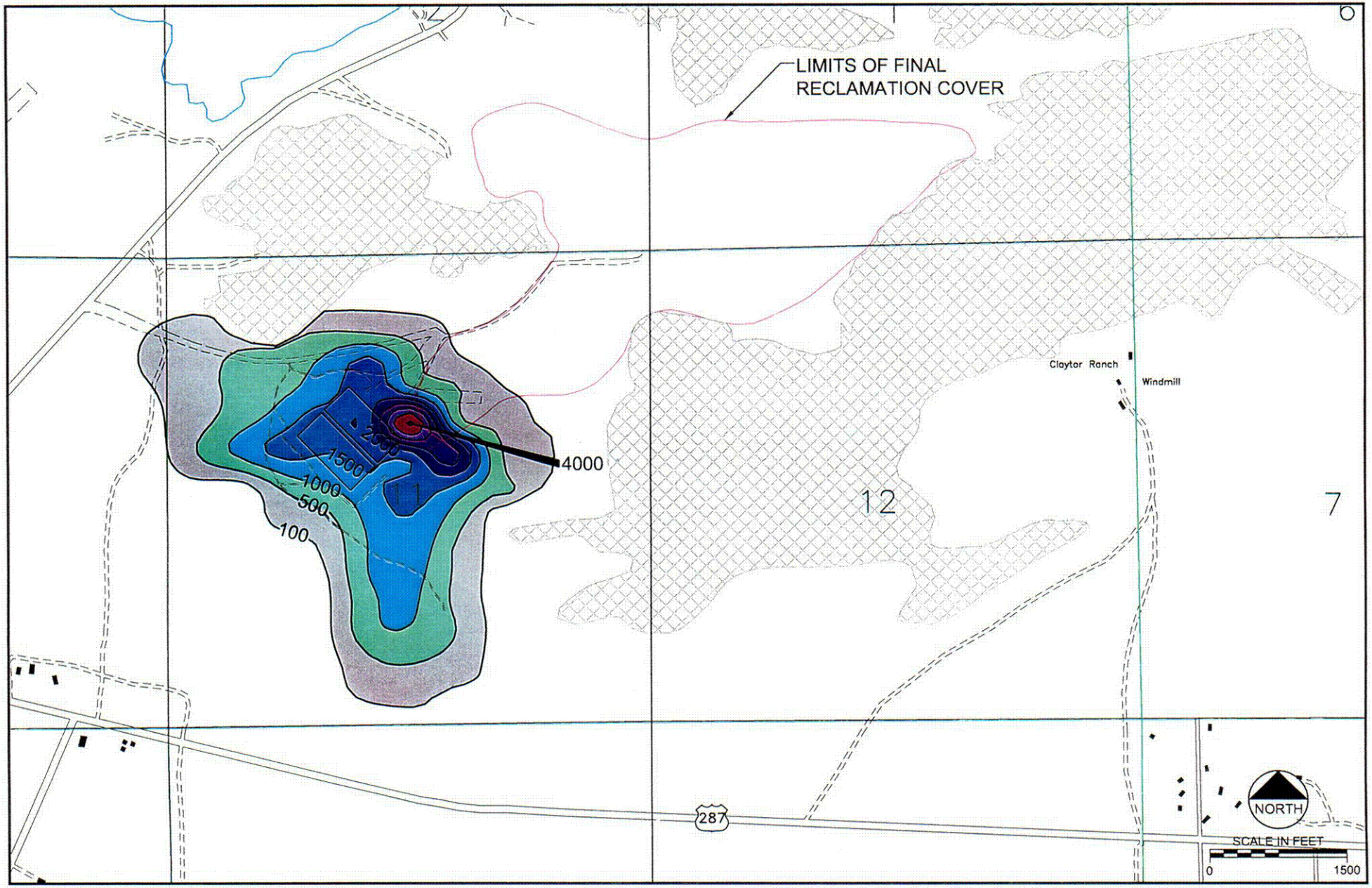

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FIGURE 5.3-1
CALIBRATED LAYER 1 INITIAL SULFATE CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	CALIBRATED.DWG

C05

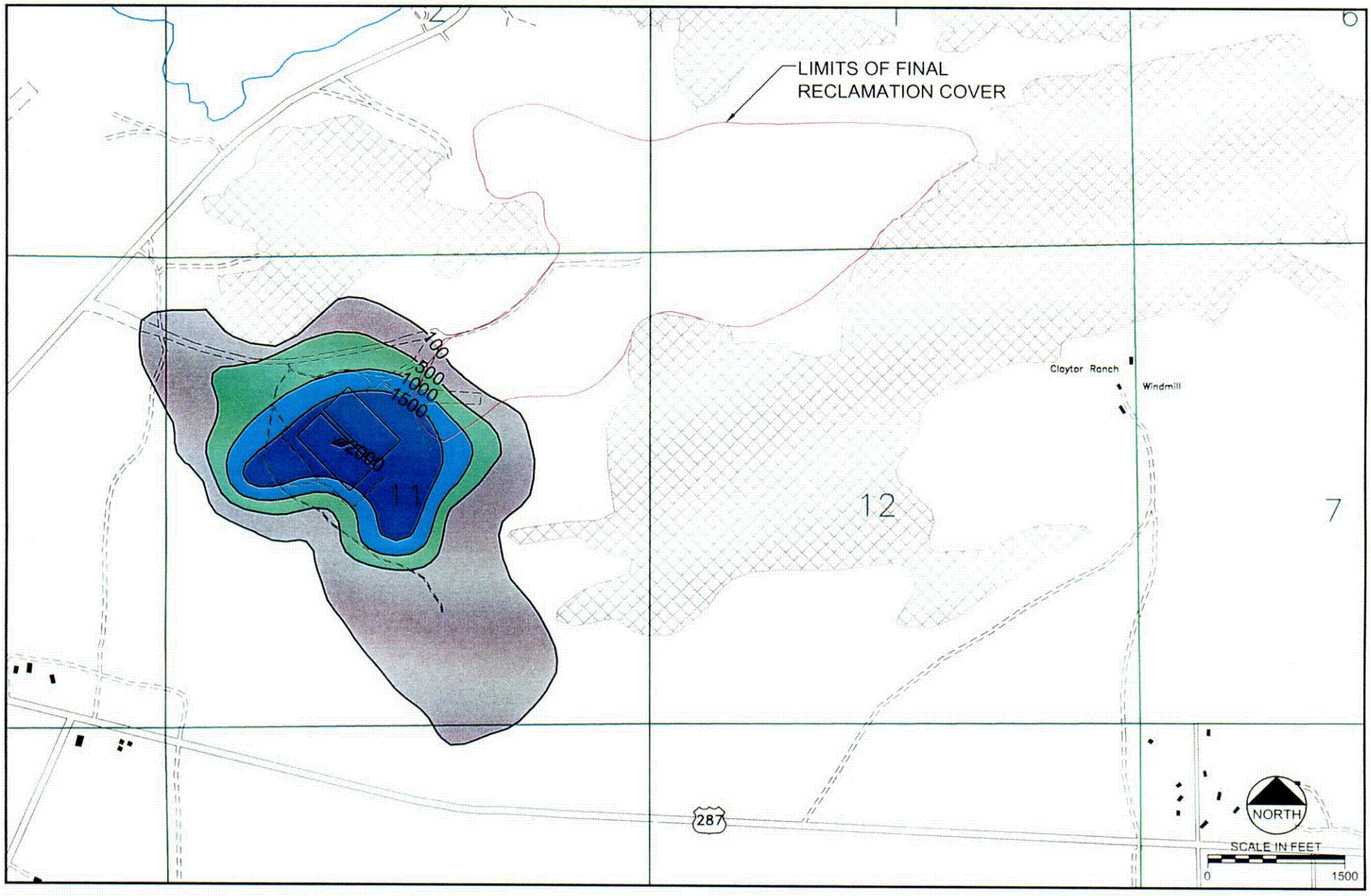

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FIGURE 5.3-2
CALIBRATED LAYER 2 INITIAL SULFATE CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	CALIBRATED.DWG

C06

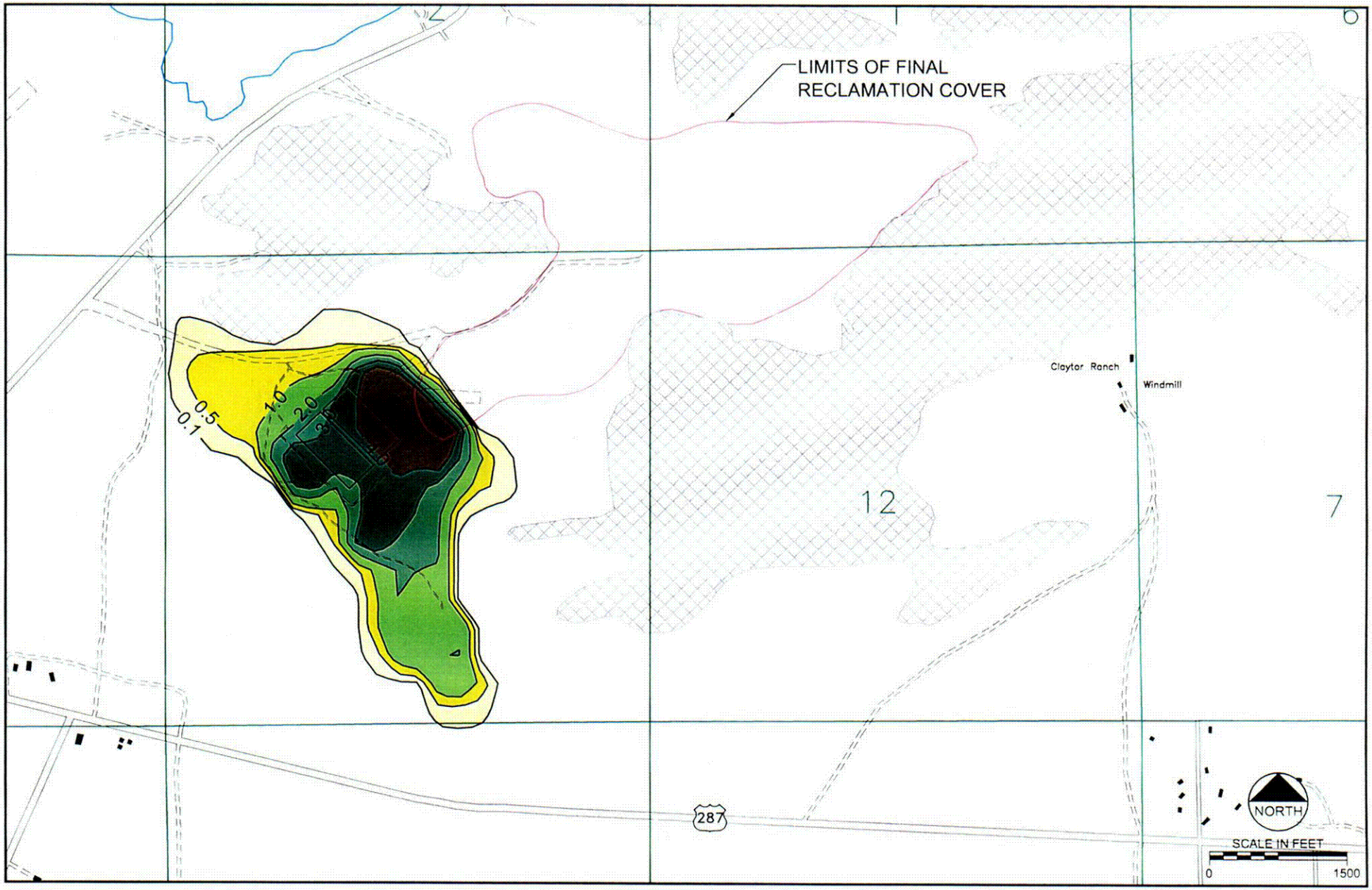

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FIGURE 5.3-3
CALIBRATED LAYER 1 INITIAL URANIUM CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	CALIBRATED.DWG

C07

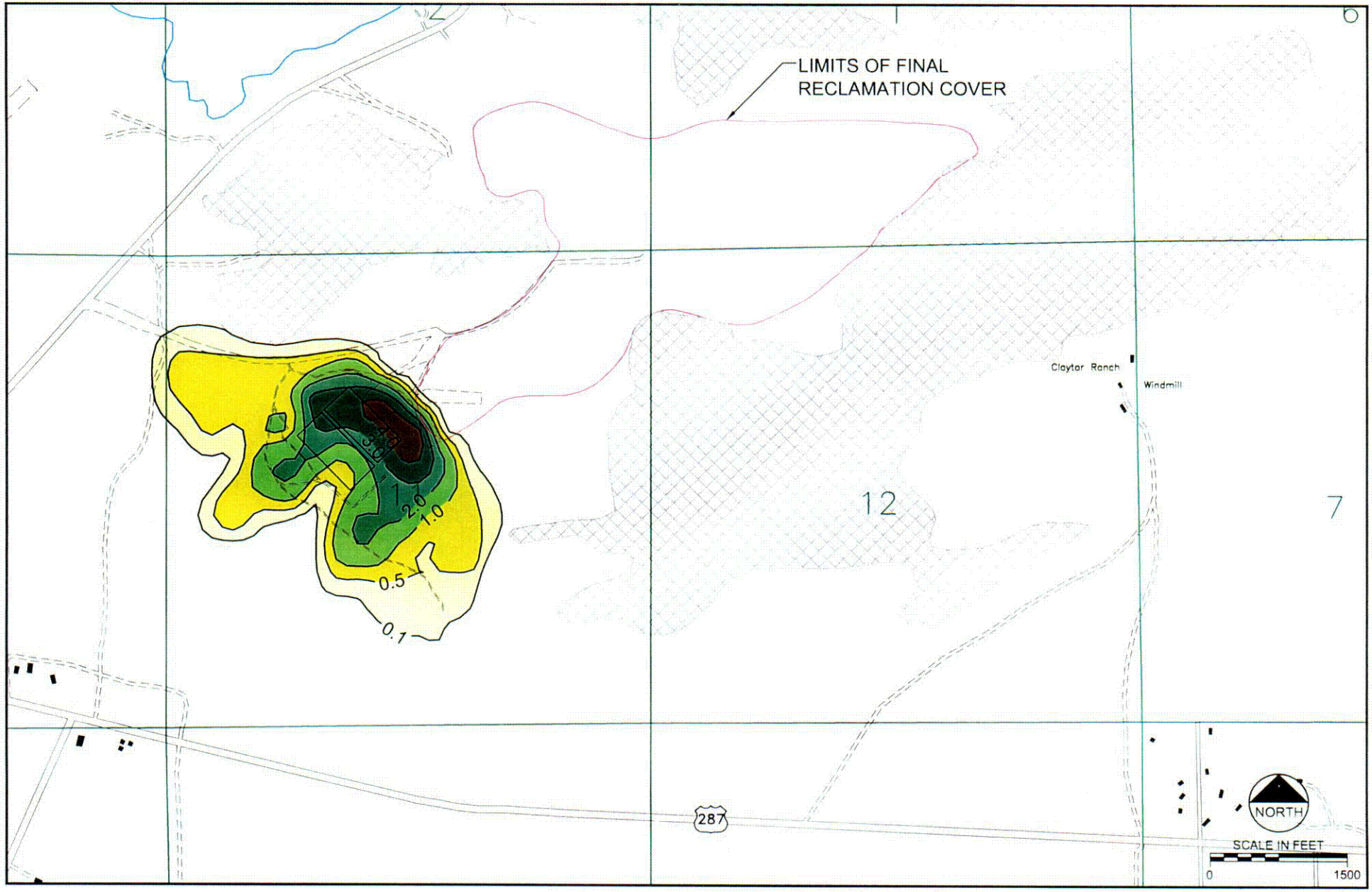

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FIGURE 5.3-4
CALIBRATED LAYER 2 INITIAL URANIUM CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	CALIBRATED.DWG

C08

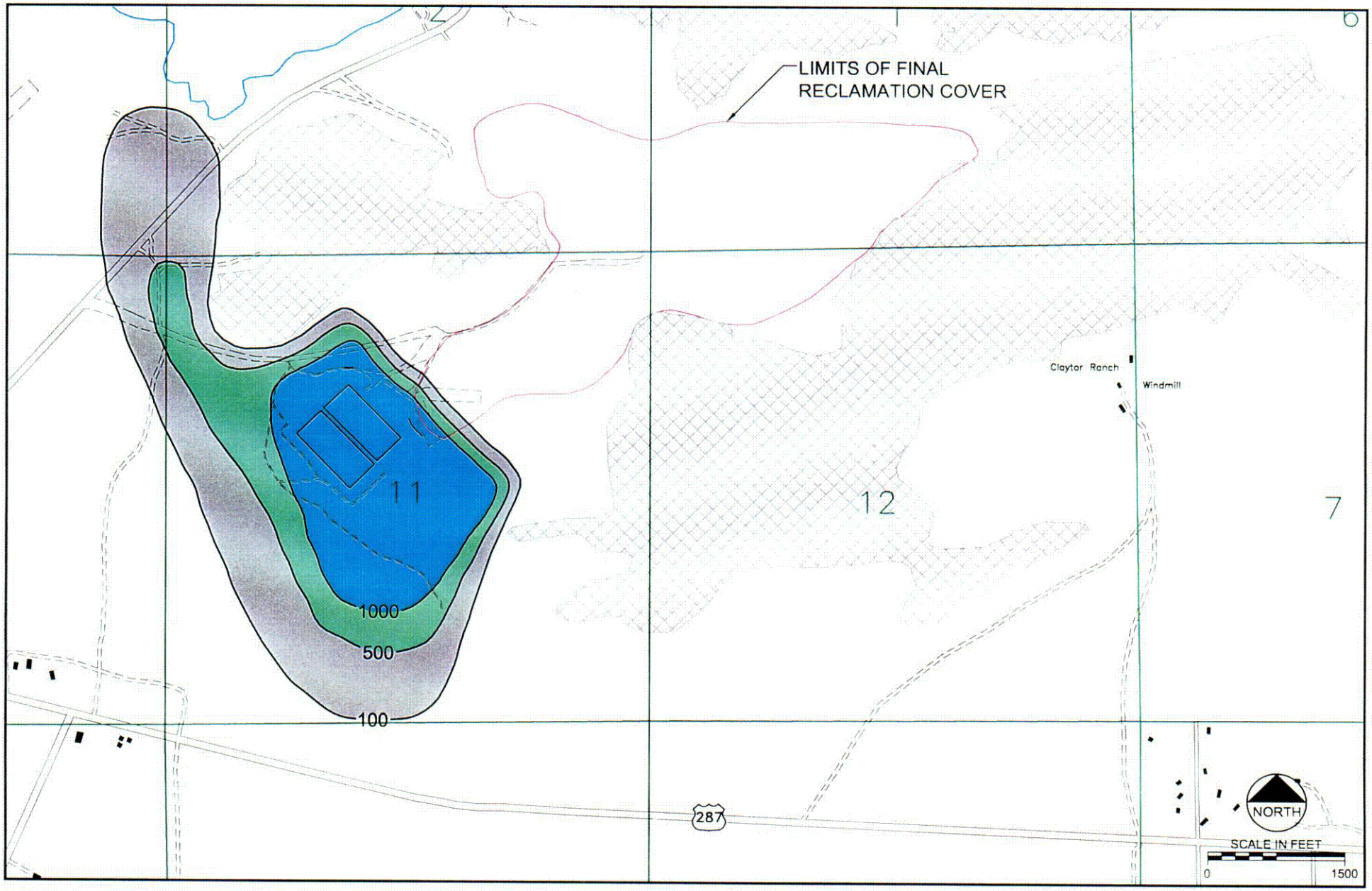

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FIGURE 5.3-5
PREDICTIVE SIMULATION LAYER 1 INITIAL SULFATE CONCENTRATIONS
(mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	PREDICTED.DWG

C09

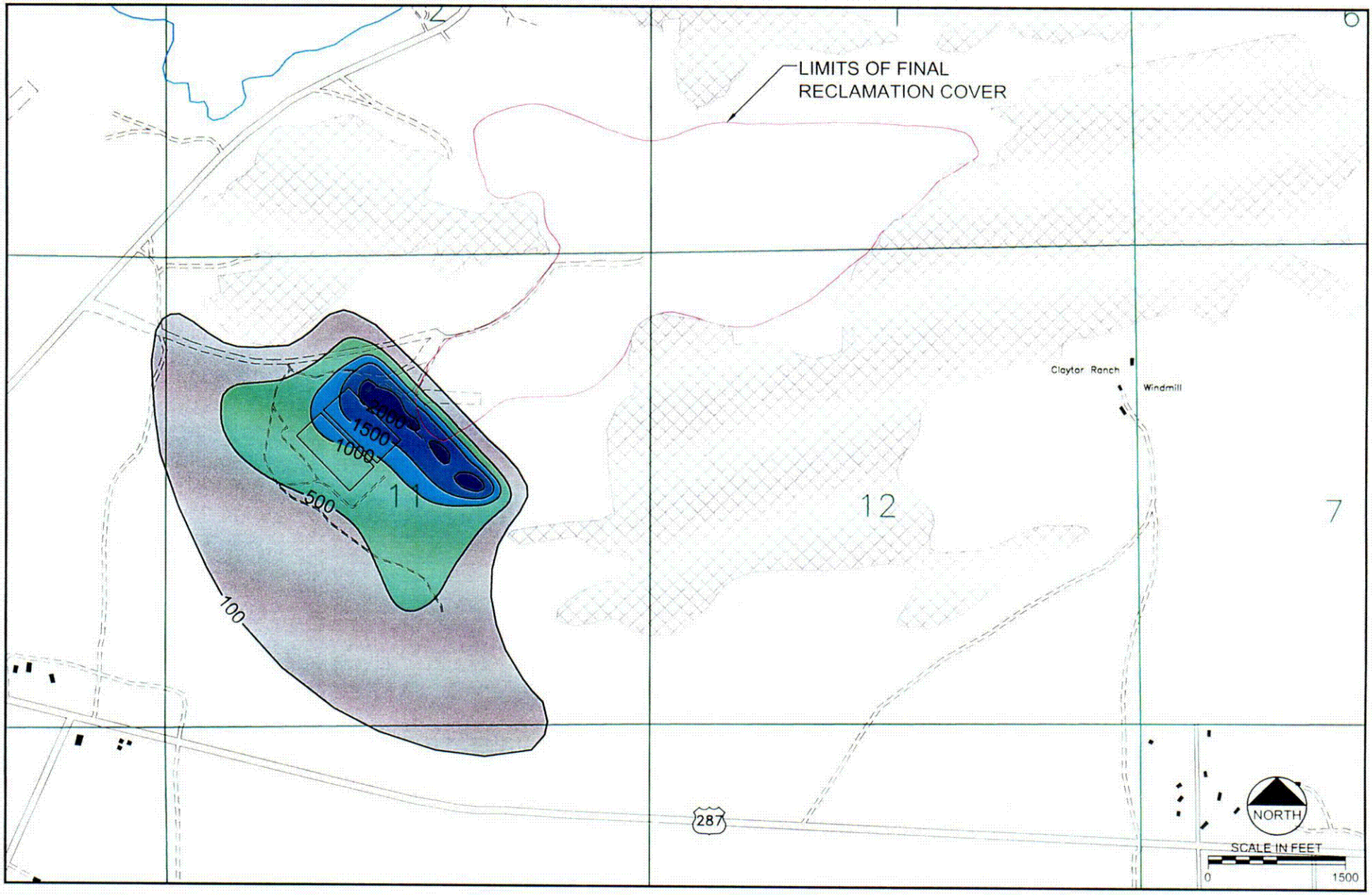

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FIGURE 5.3-6
PREDICTIVE SIMULATION LAYER 2 INITIAL SULFATE CONCENTRATIONS
(mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	PREDICTED.DWG

C10

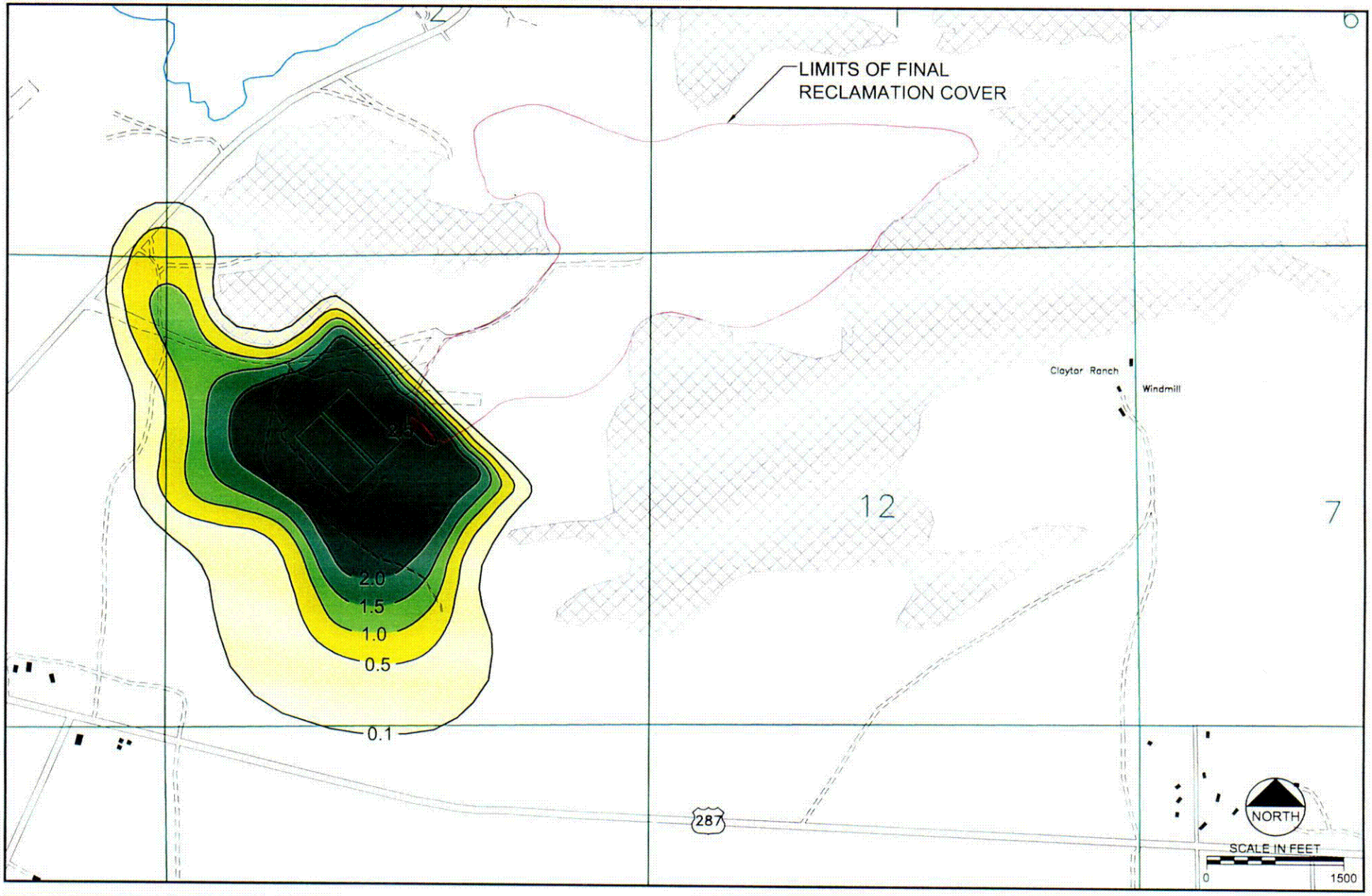

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FIGURE 5.3-7
PREDICTIVE SIMULATION LAYER 1 INITIAL URANIUM CONCENTRATIONS
(mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	PREDICTED.DWG

C11

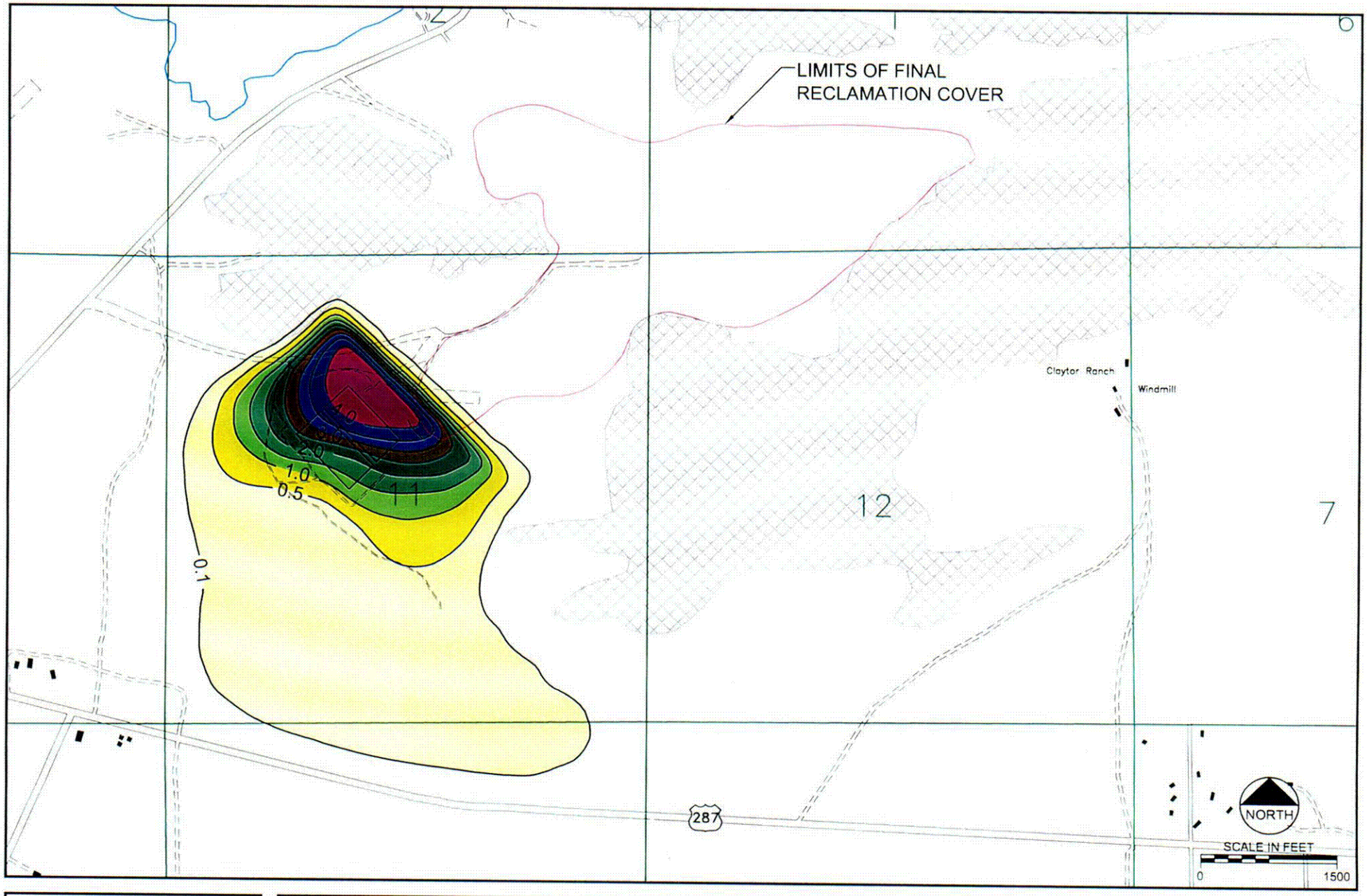

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FIGURE 5.3-8
PREDICTIVE SIMULATION LAYER 2 INITIAL URANIUM CONCENTRATIONS
(mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	PREDICTED.DWG

C12

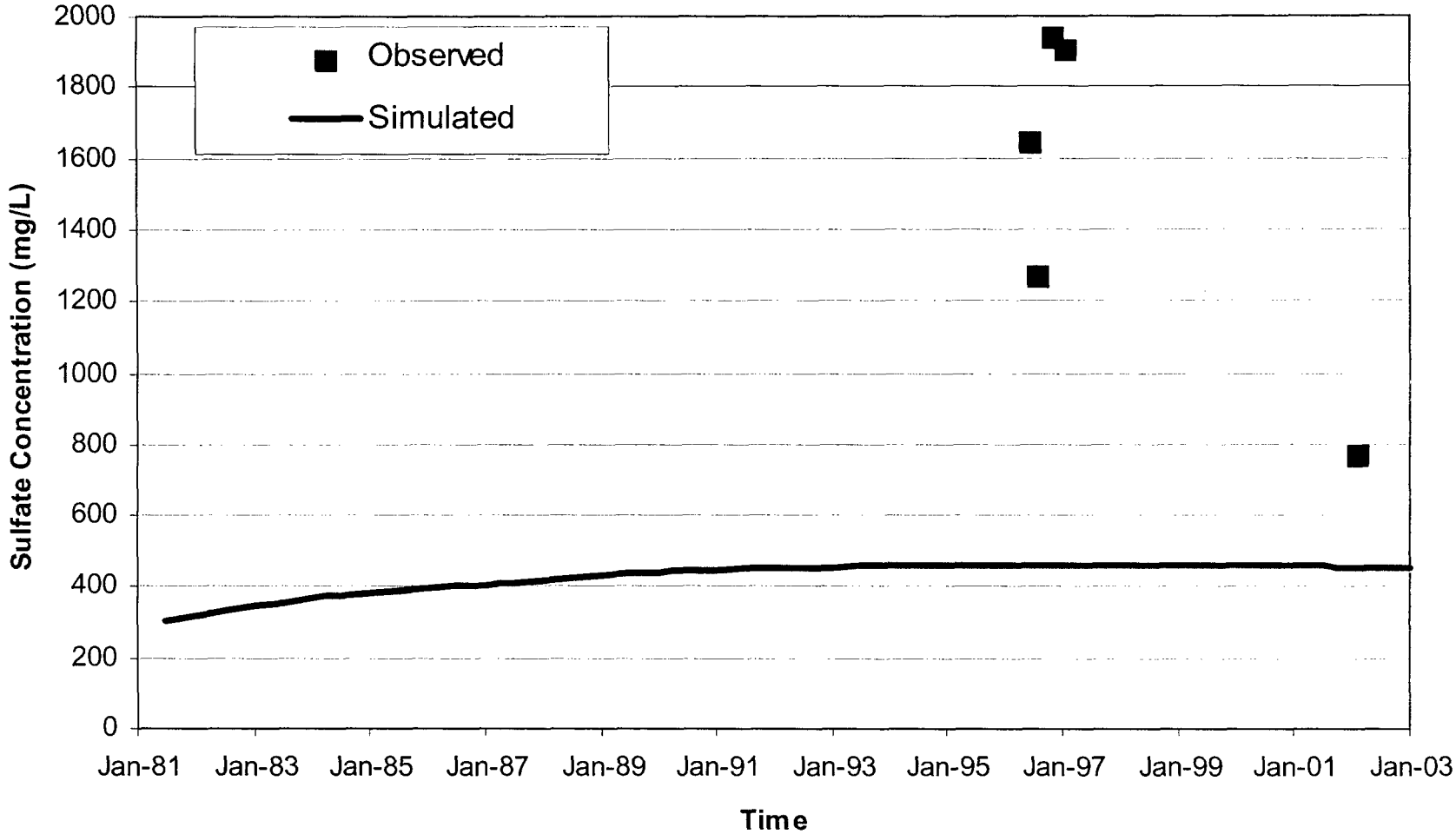

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FIGURE 5.4-1
SWAB-1 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

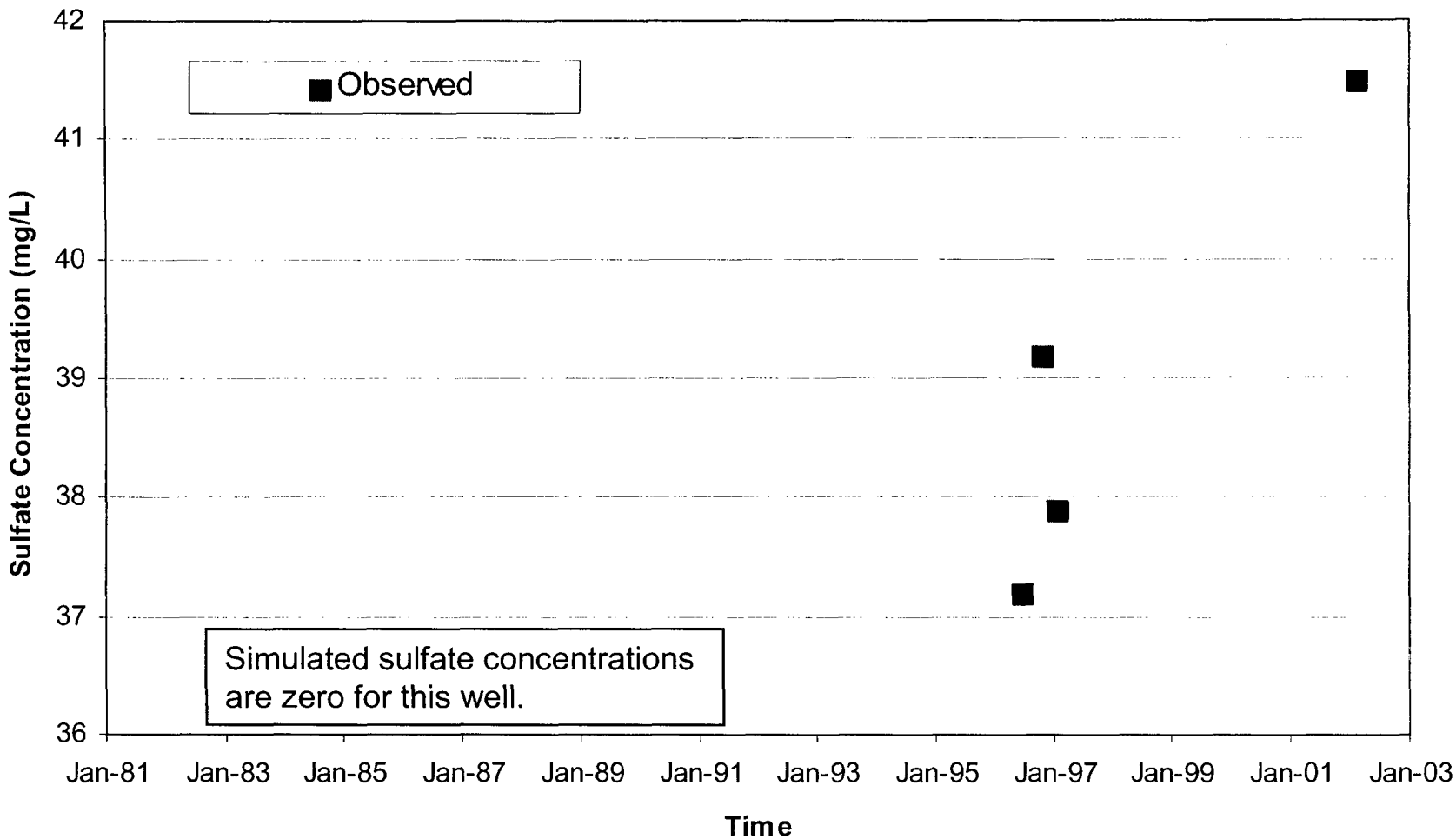

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FIGURE 5.4-2
SWAB-10 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

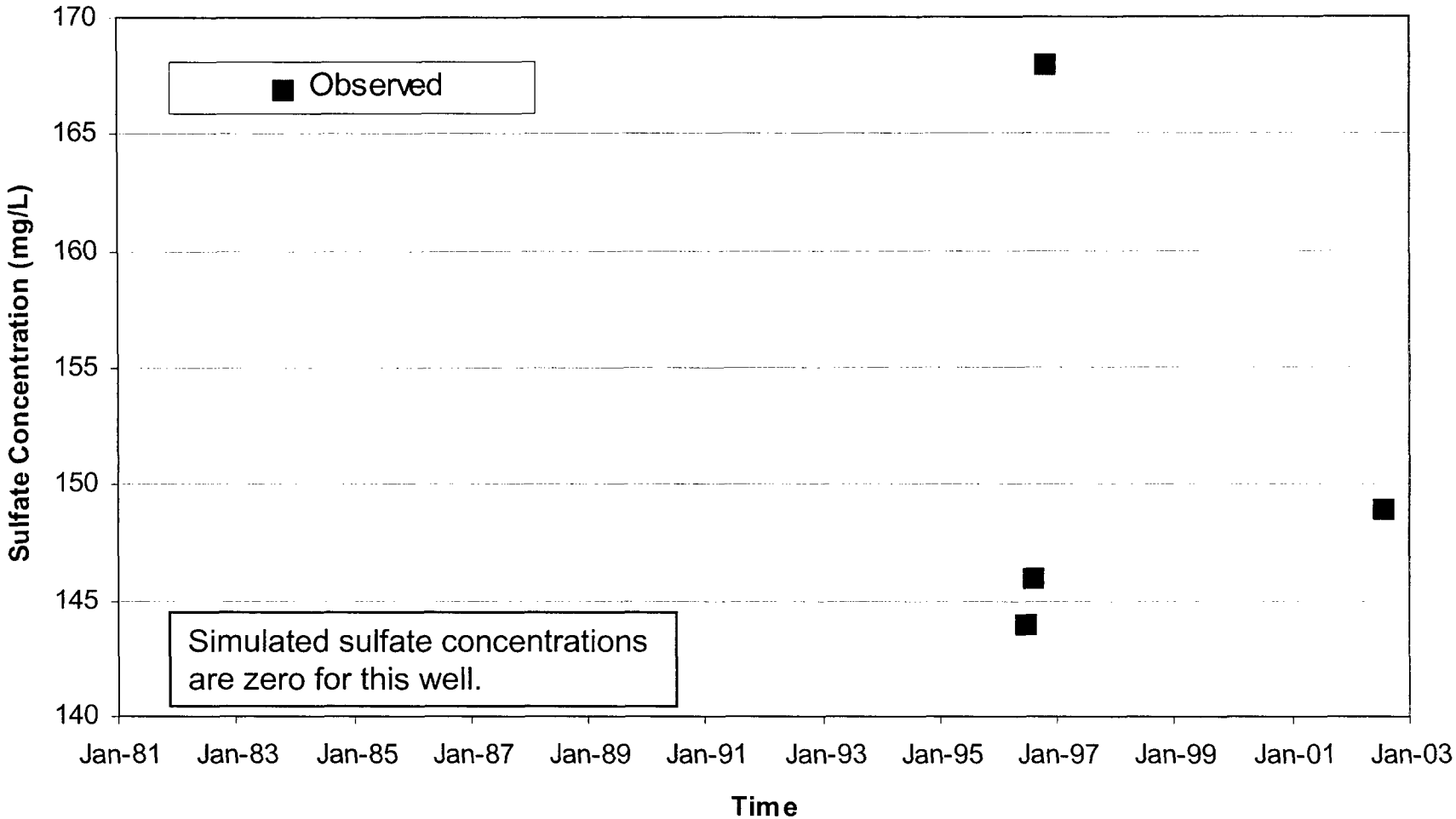

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FIGURE 5.4-3
SWAB-11 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

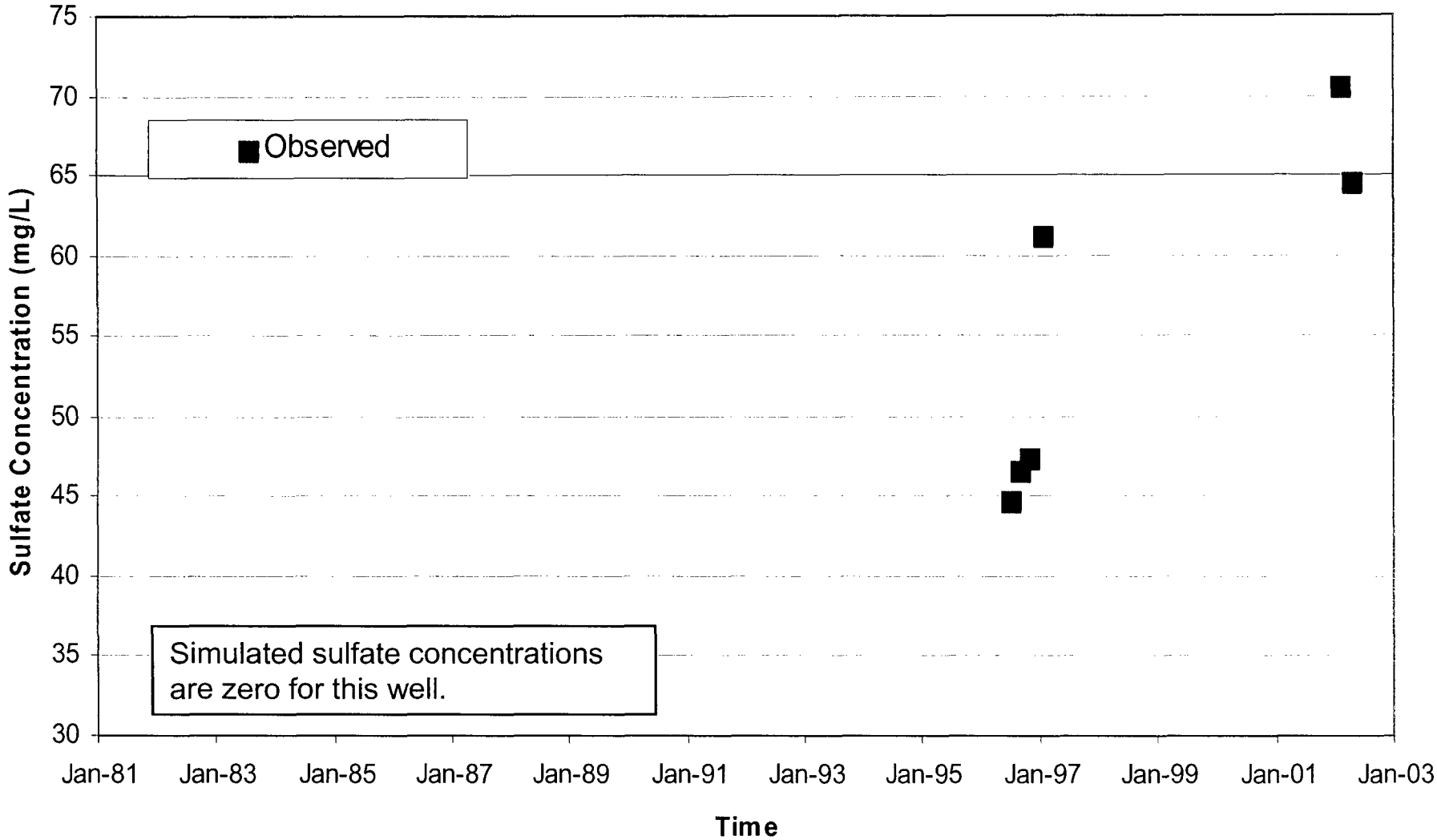

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FIGURE 5.4-4
SWAB-15 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

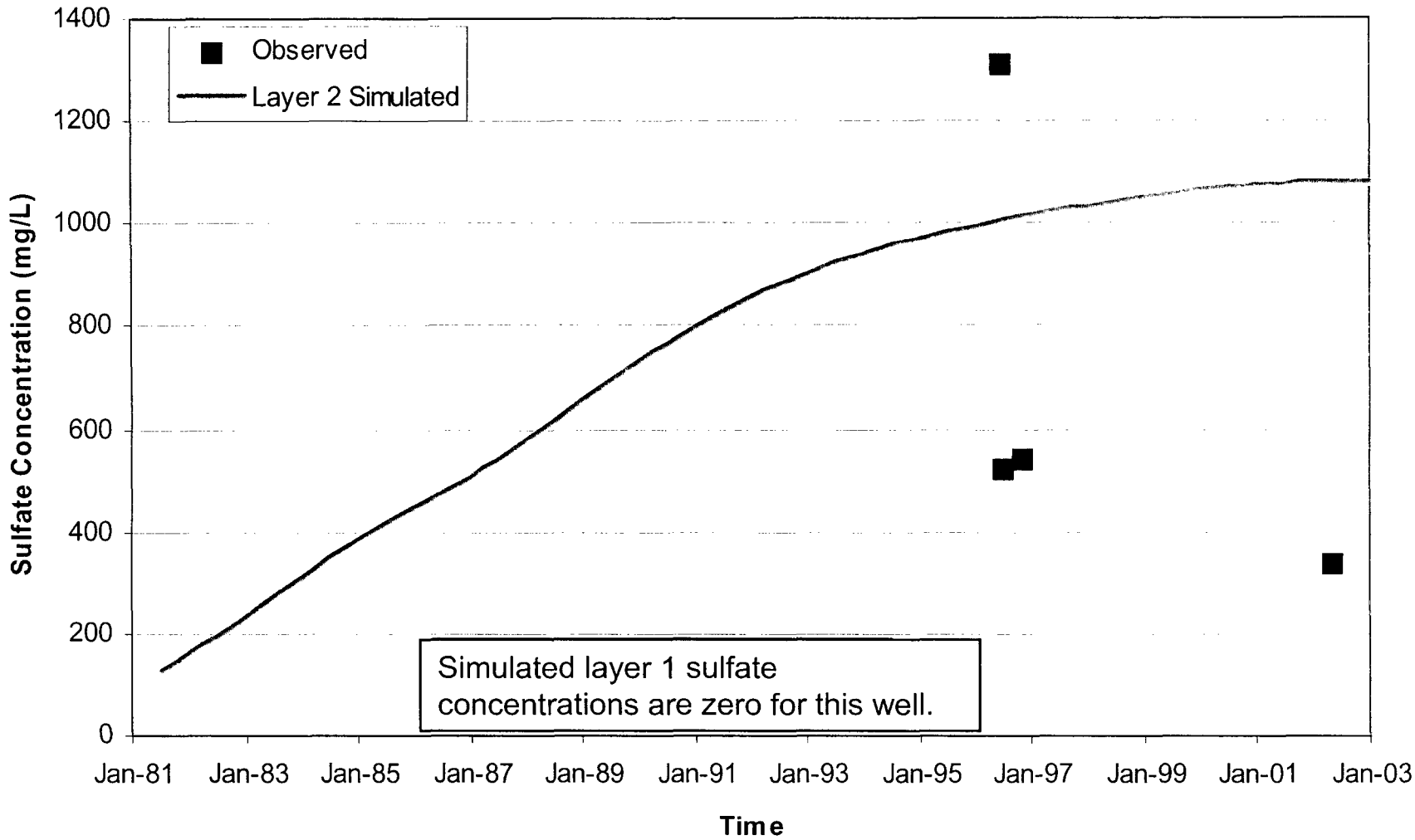

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FIGURE 5.4-5
SWAB-3 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

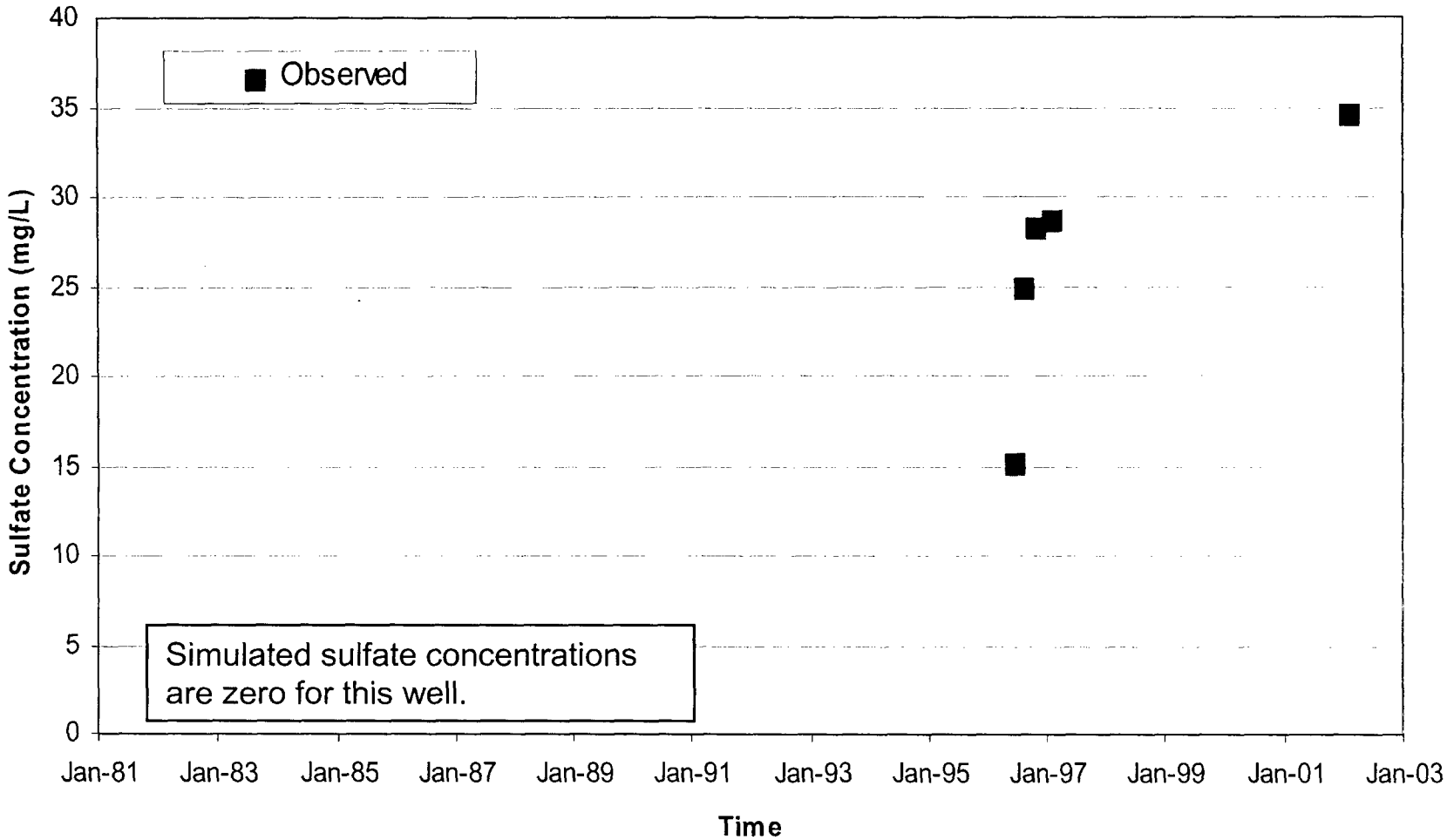

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FIGURE 5.4-6
SWAB-7 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

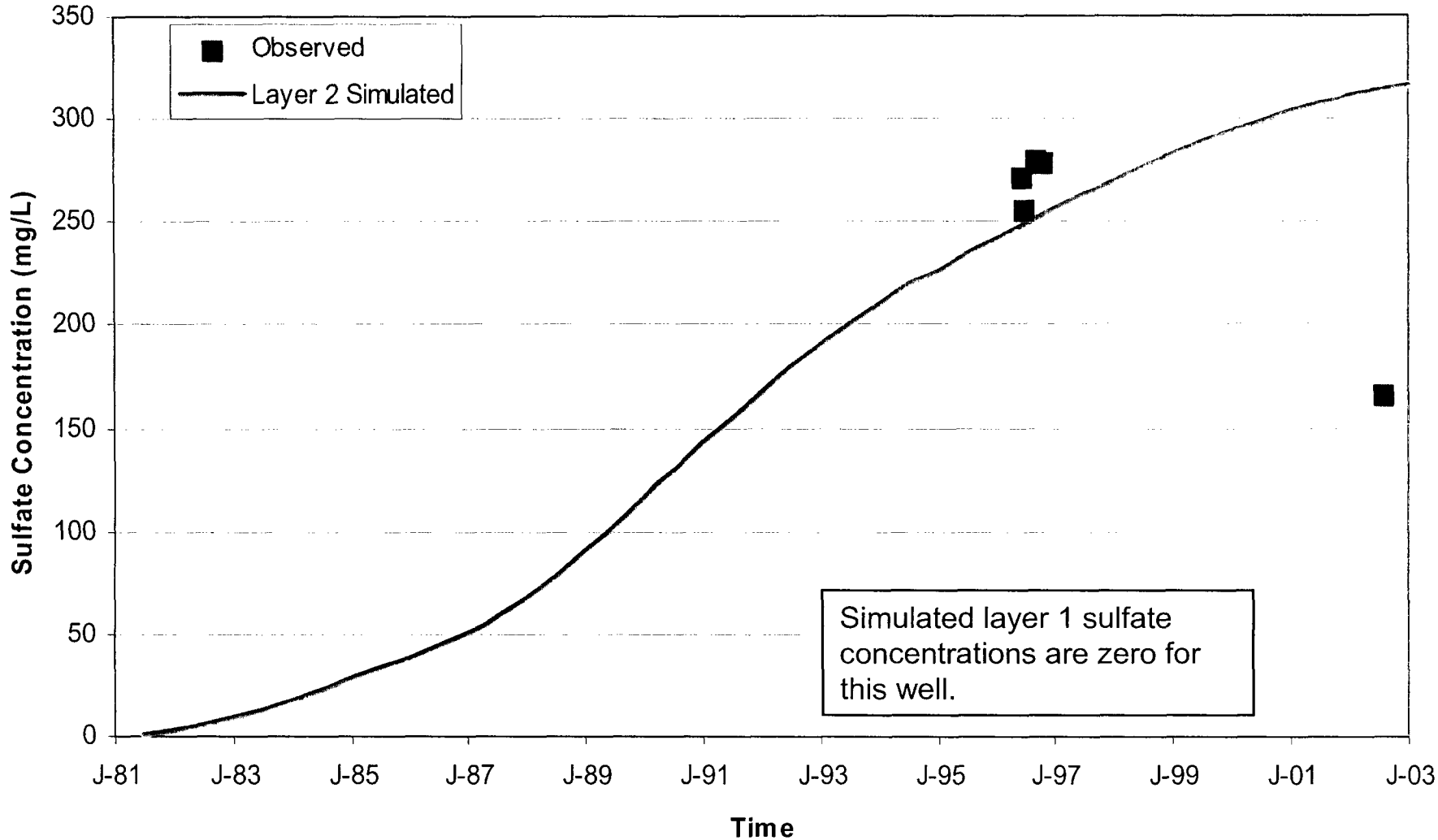

FIGURE 5.4-7
SWAB-8 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

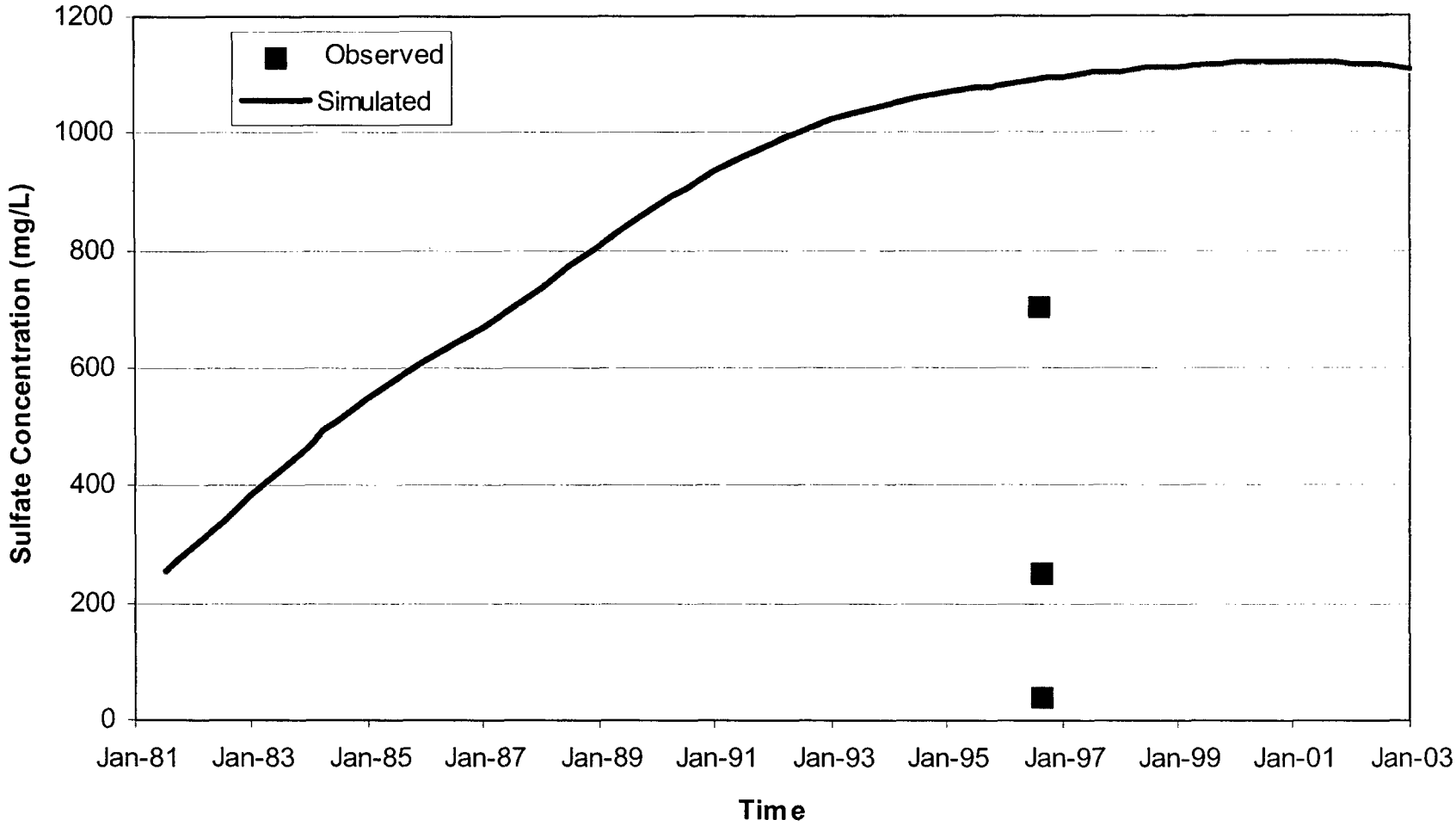

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FIGURE 5.4-8
SWEB-11 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

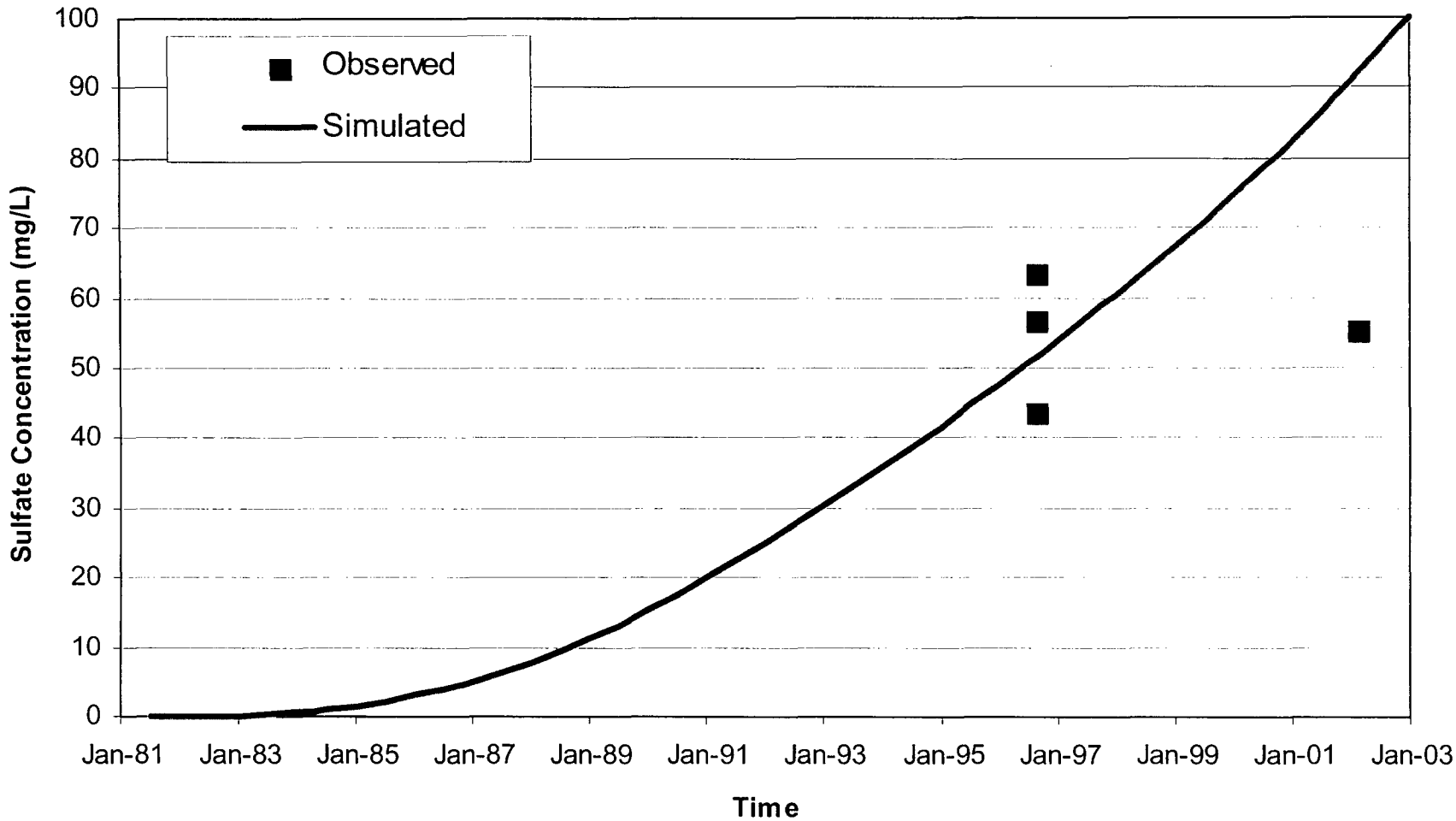

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FIGURE 5.4-9
SWEB-12 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

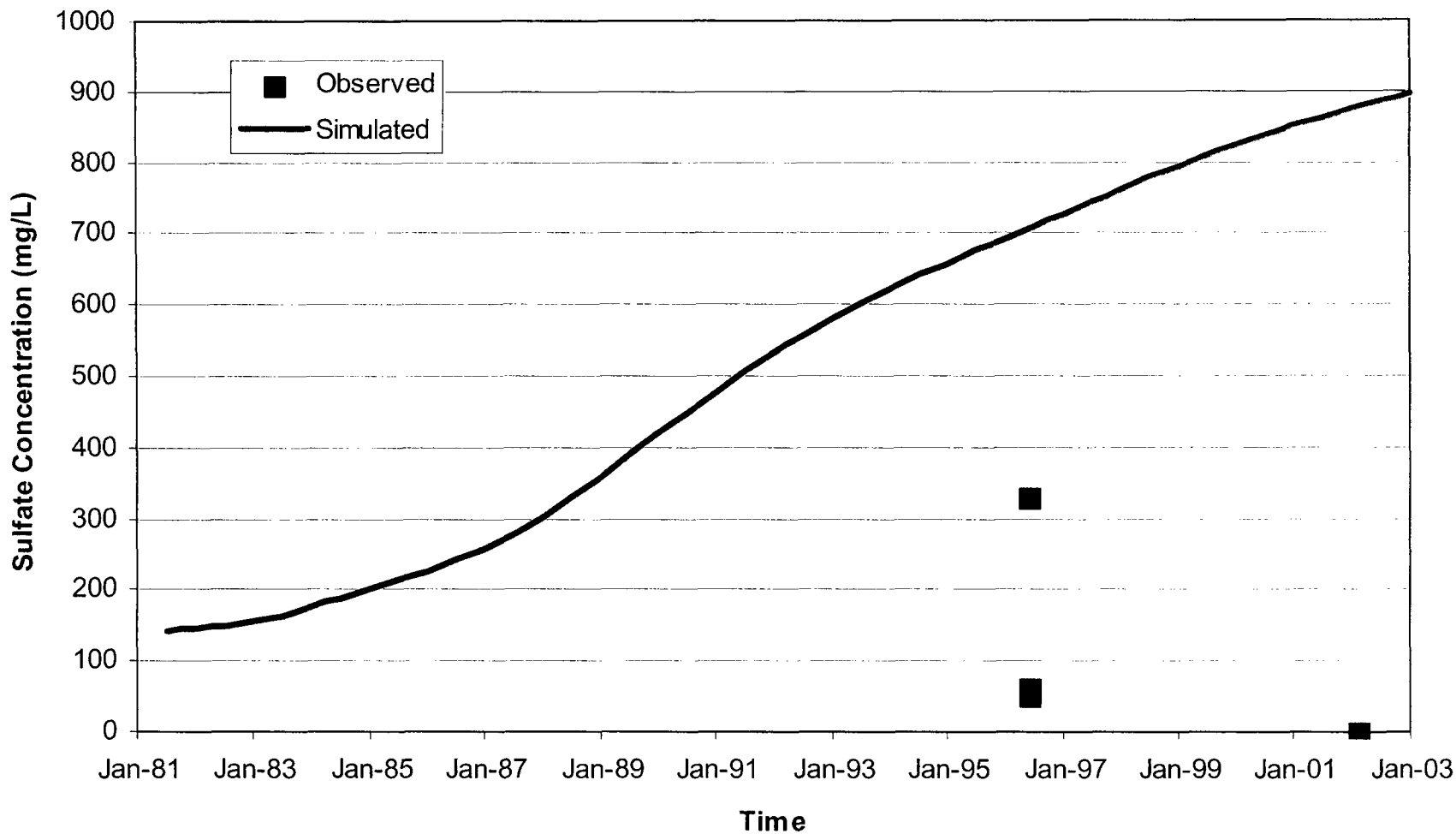

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FIGURE 5.4-10
SWEB-6 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

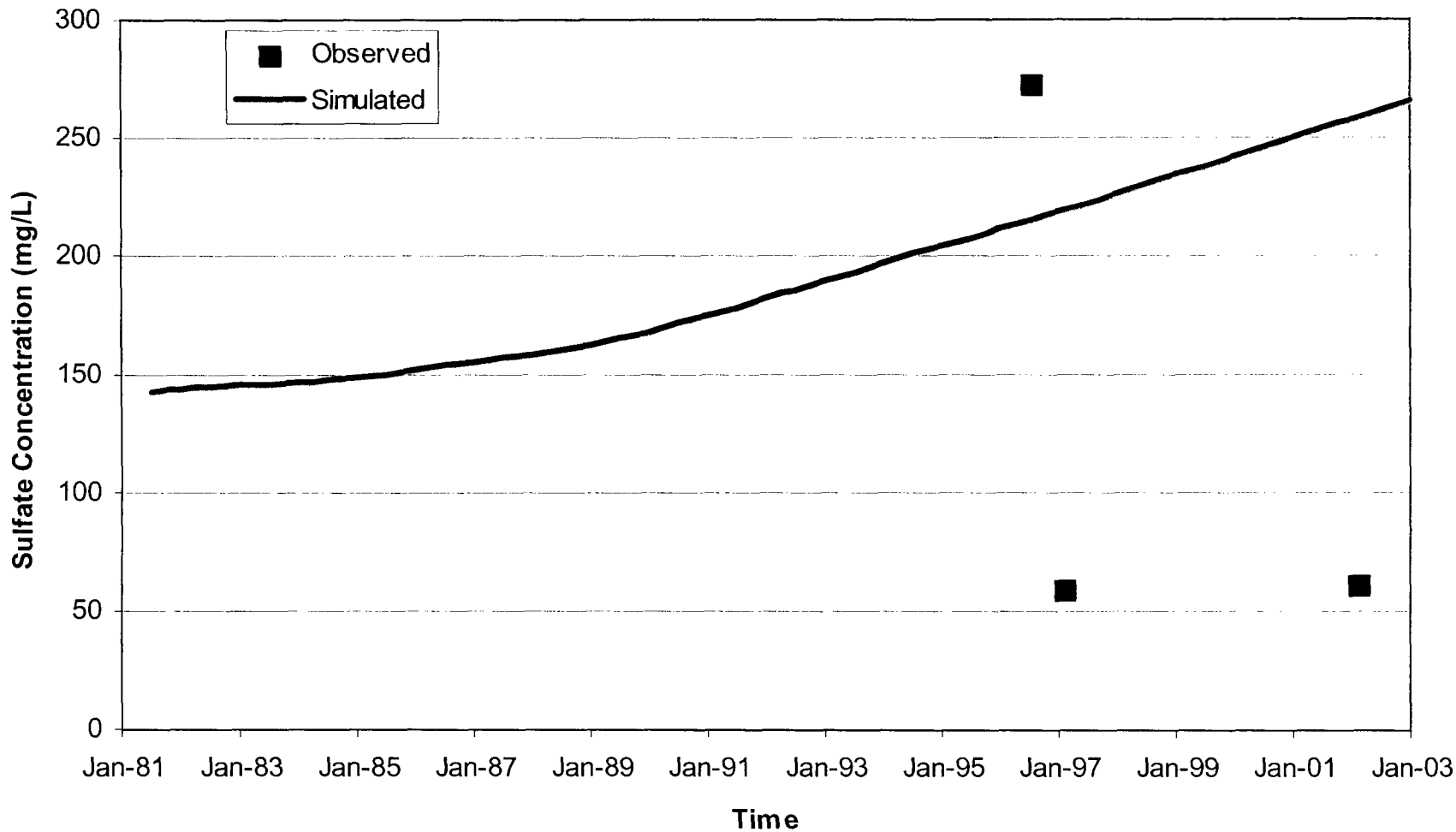

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FIGURE 5.4-11
SWEB-8 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

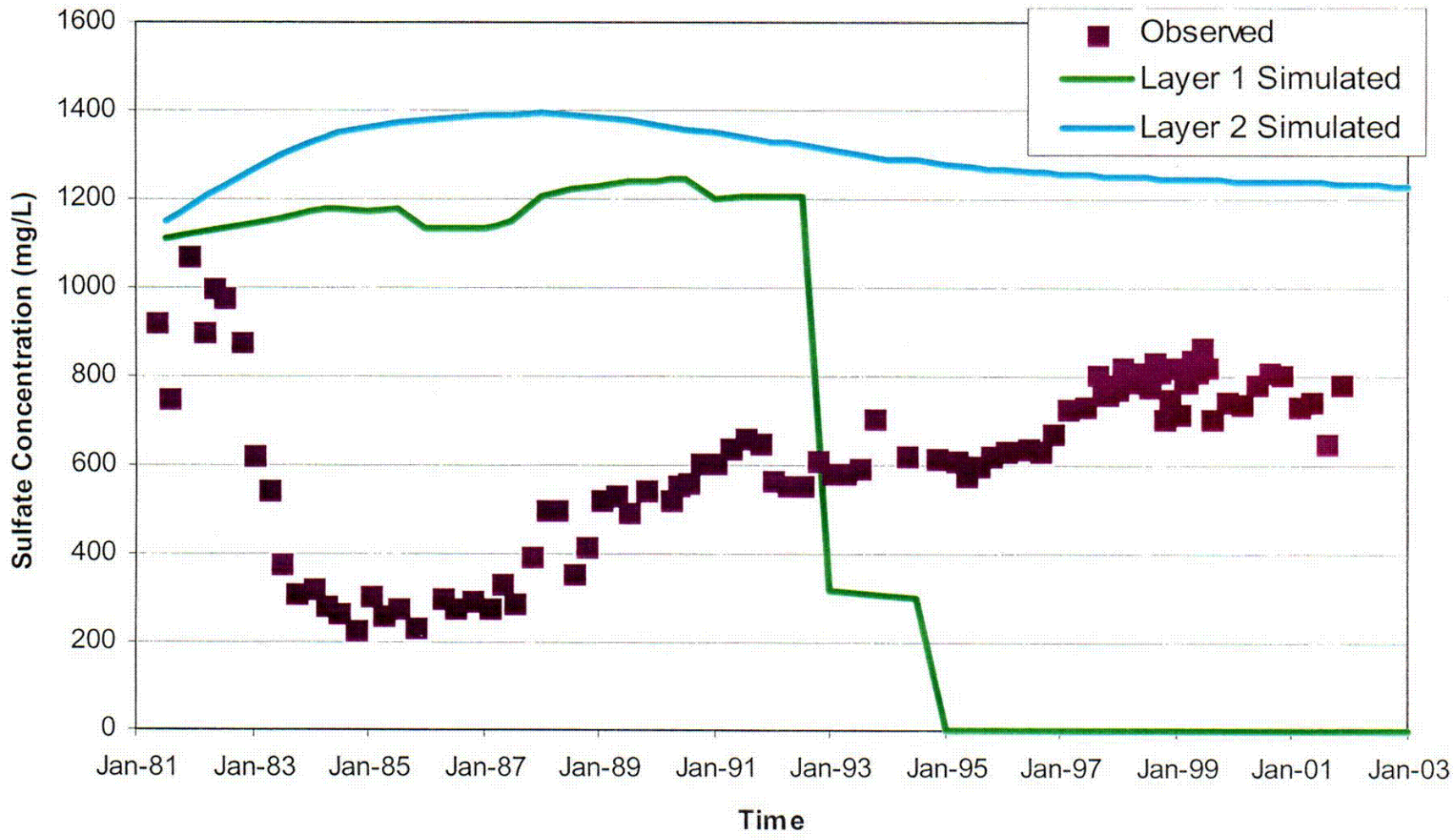

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FIGURE 5.4-12
WELL-3 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

C13

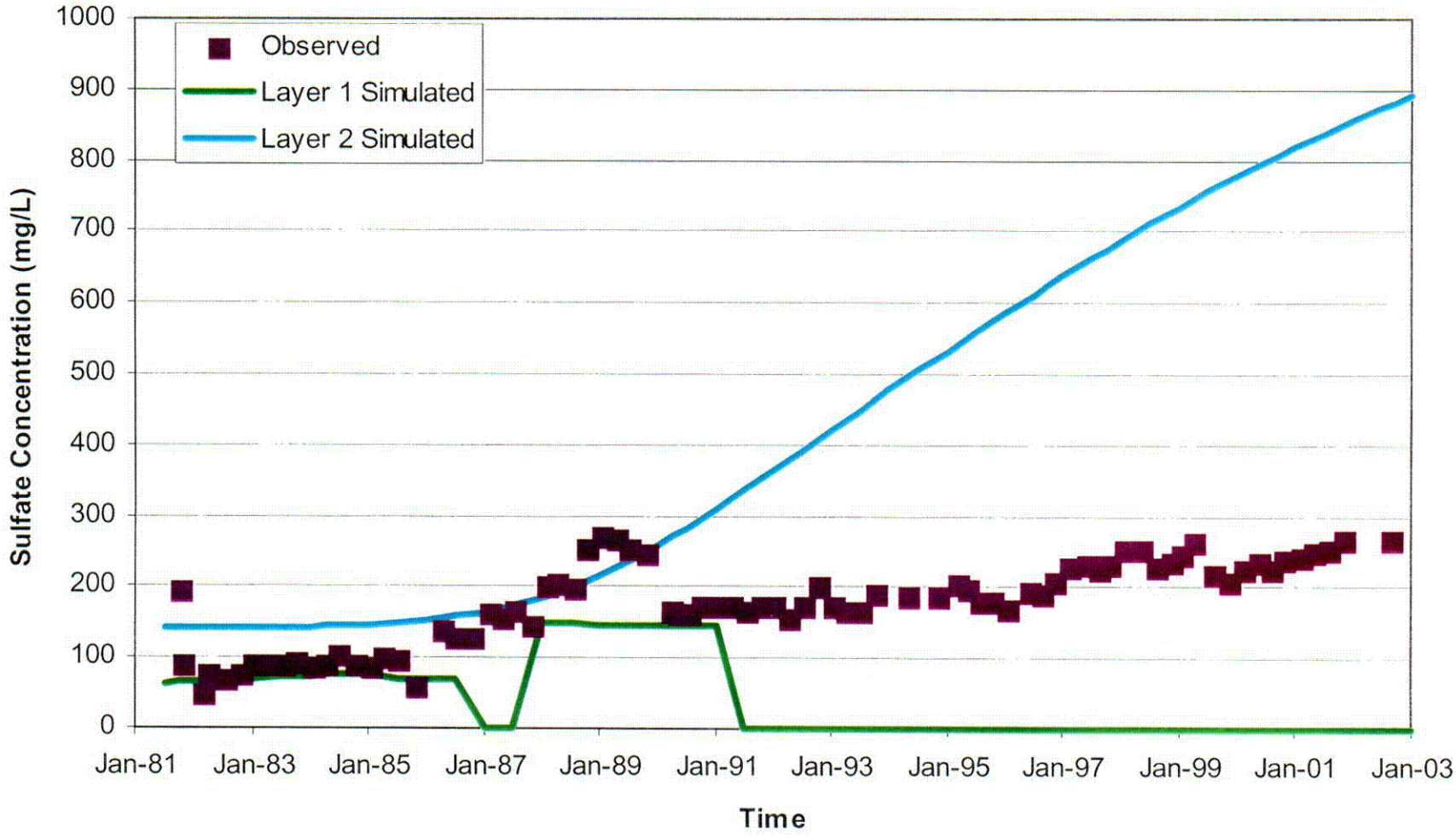

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FIGURE 5.4-13
WN-15 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

C14

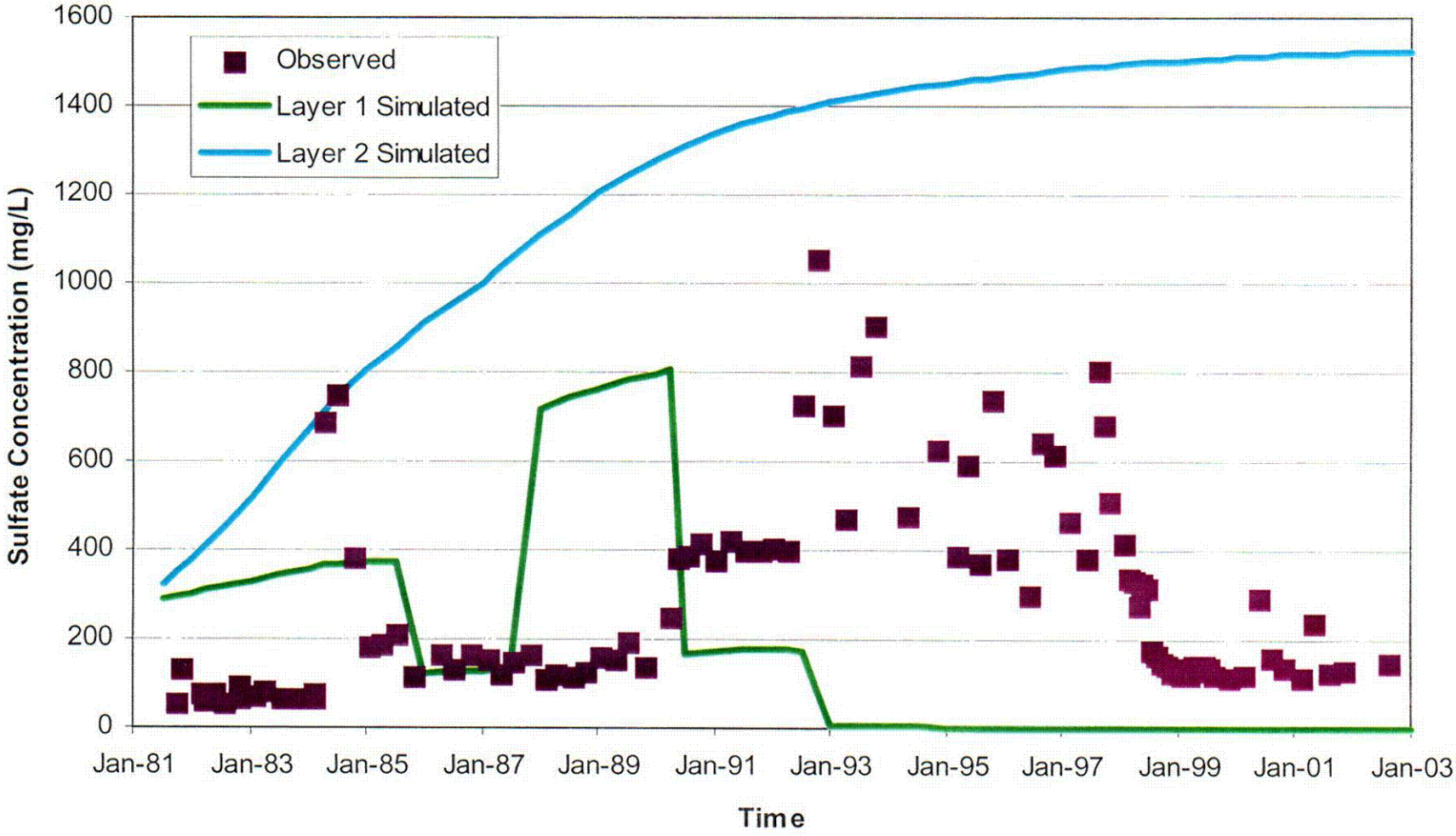

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FIGURE 5.4-14
WN-21 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

C15

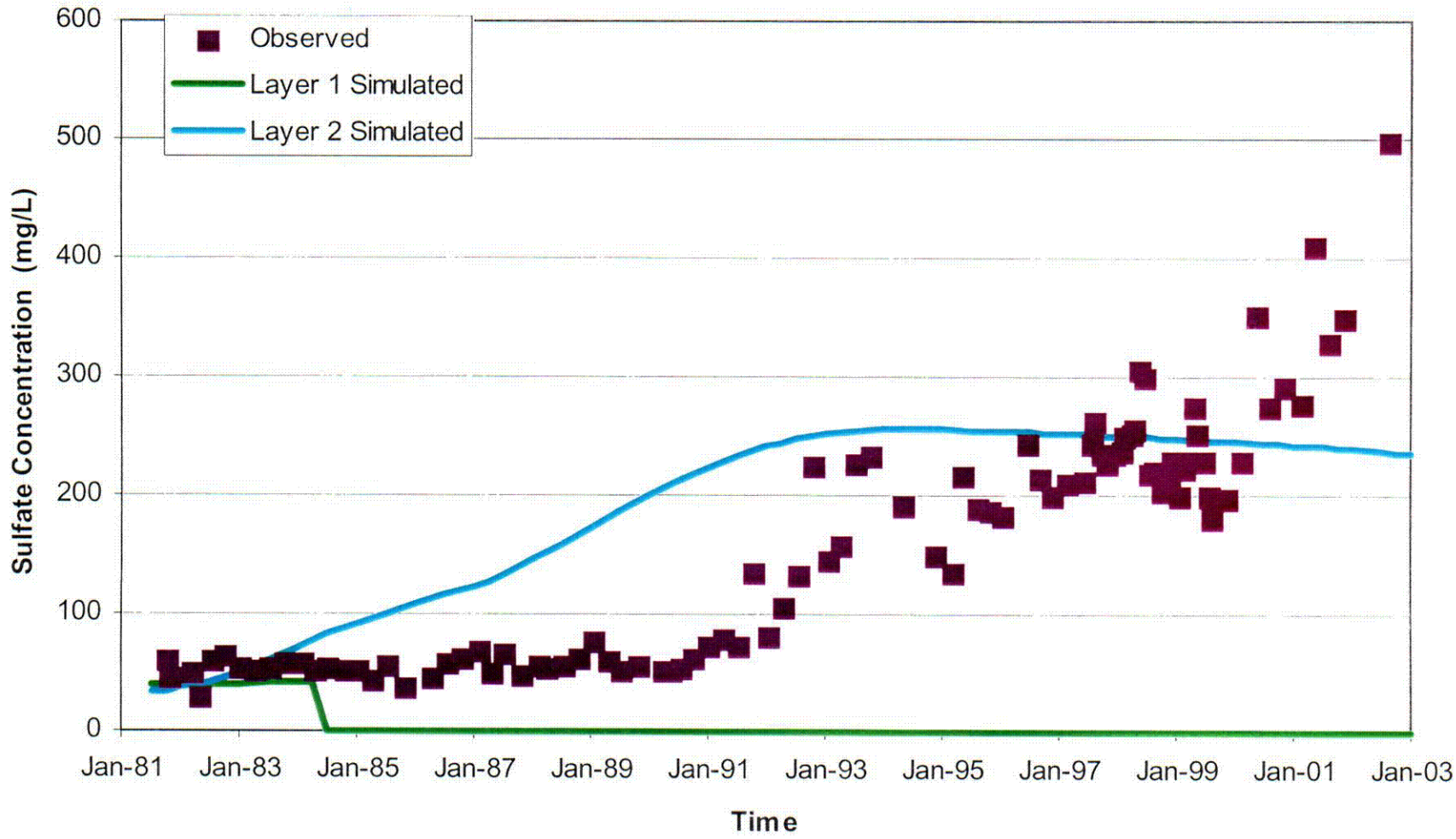

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FIGURE 5.4-15
WN-24 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

C16

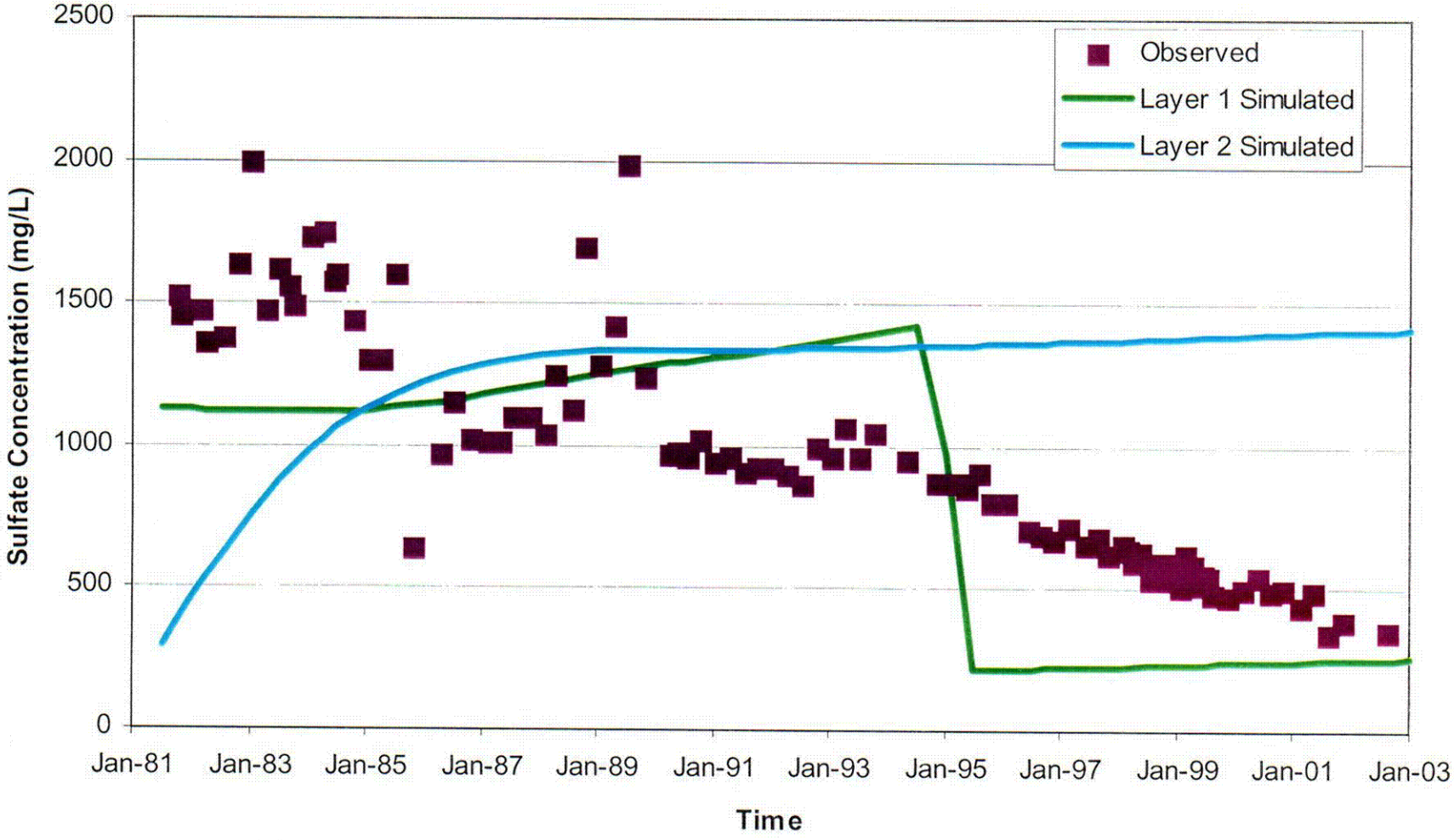

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FIGURE 5.4-16
WN-25 SIMULATED vs. OBSERVED SULFATE CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-4.ppt

C17

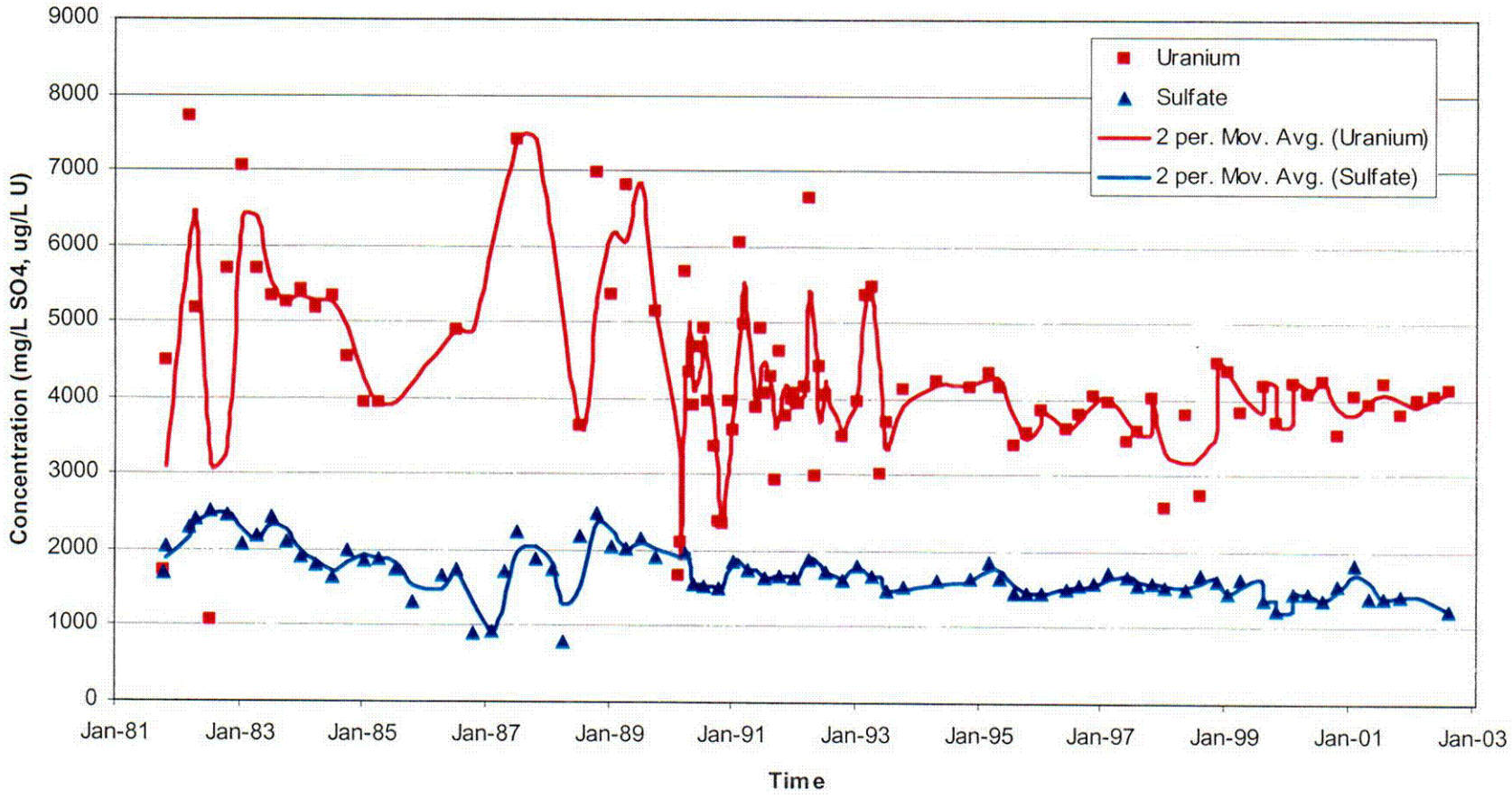

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FIGURE 5.5-1
WN-B SULFATE vs. URANIUM TRANSPORT COMPARISON

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

C18

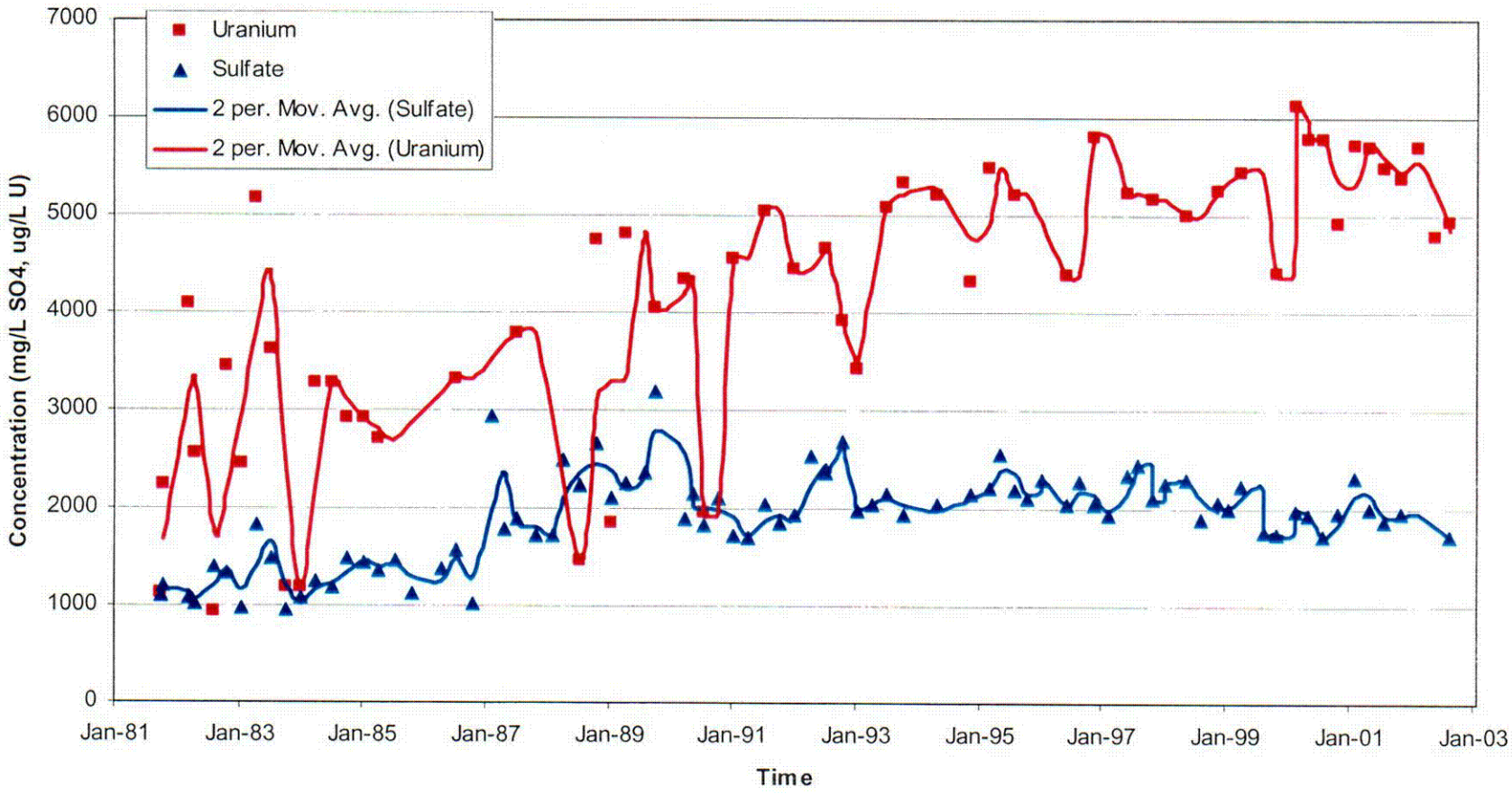

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FIGURE 5.5-2
WN-C SULFATE vs. URANIUM TRANSPORT COMPARISON

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

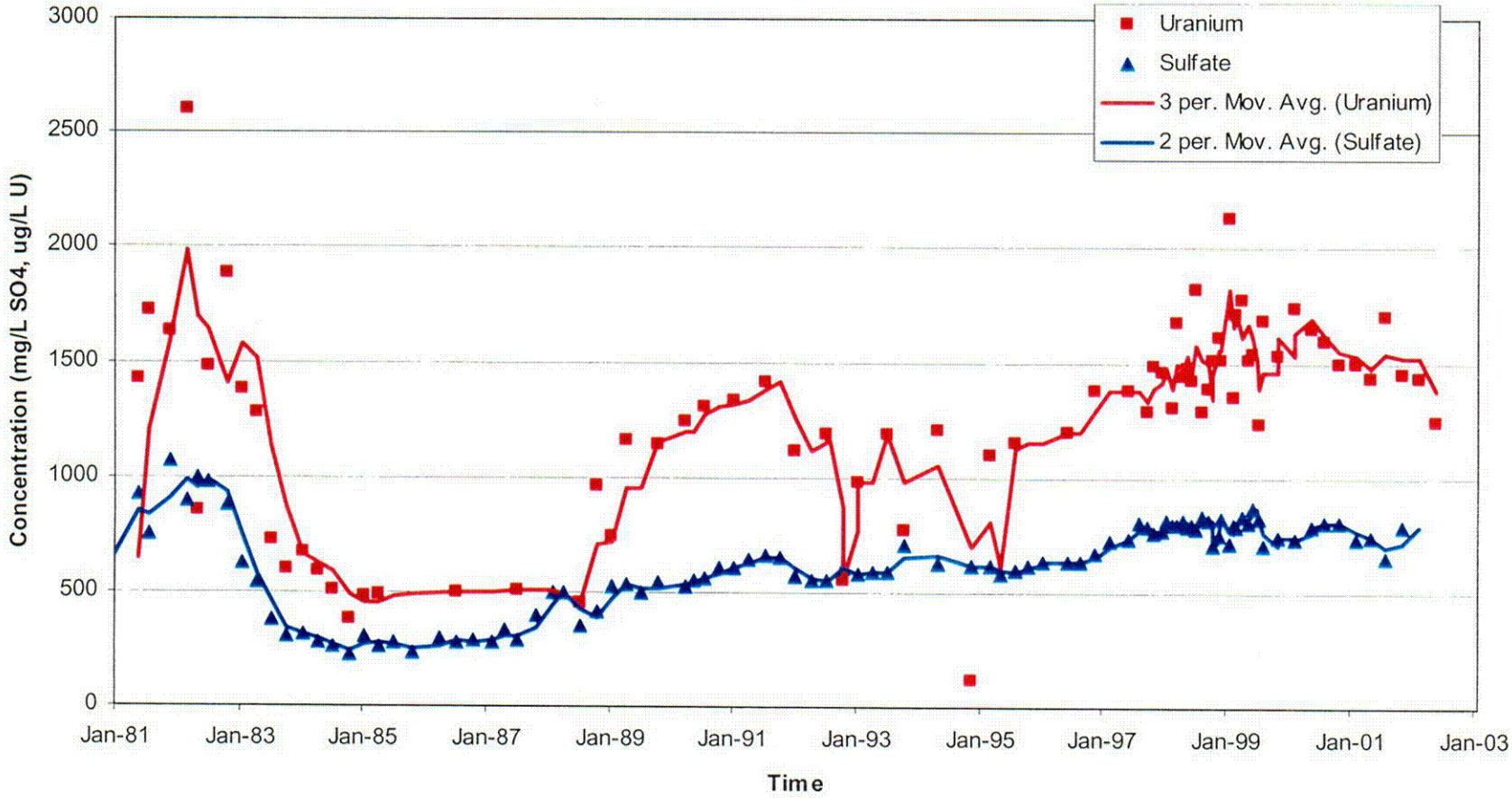

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FIGURE 5.5-3
WELL-3 SULFATE vs. URANIUM TRANSPORT COMPARISON

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

C20

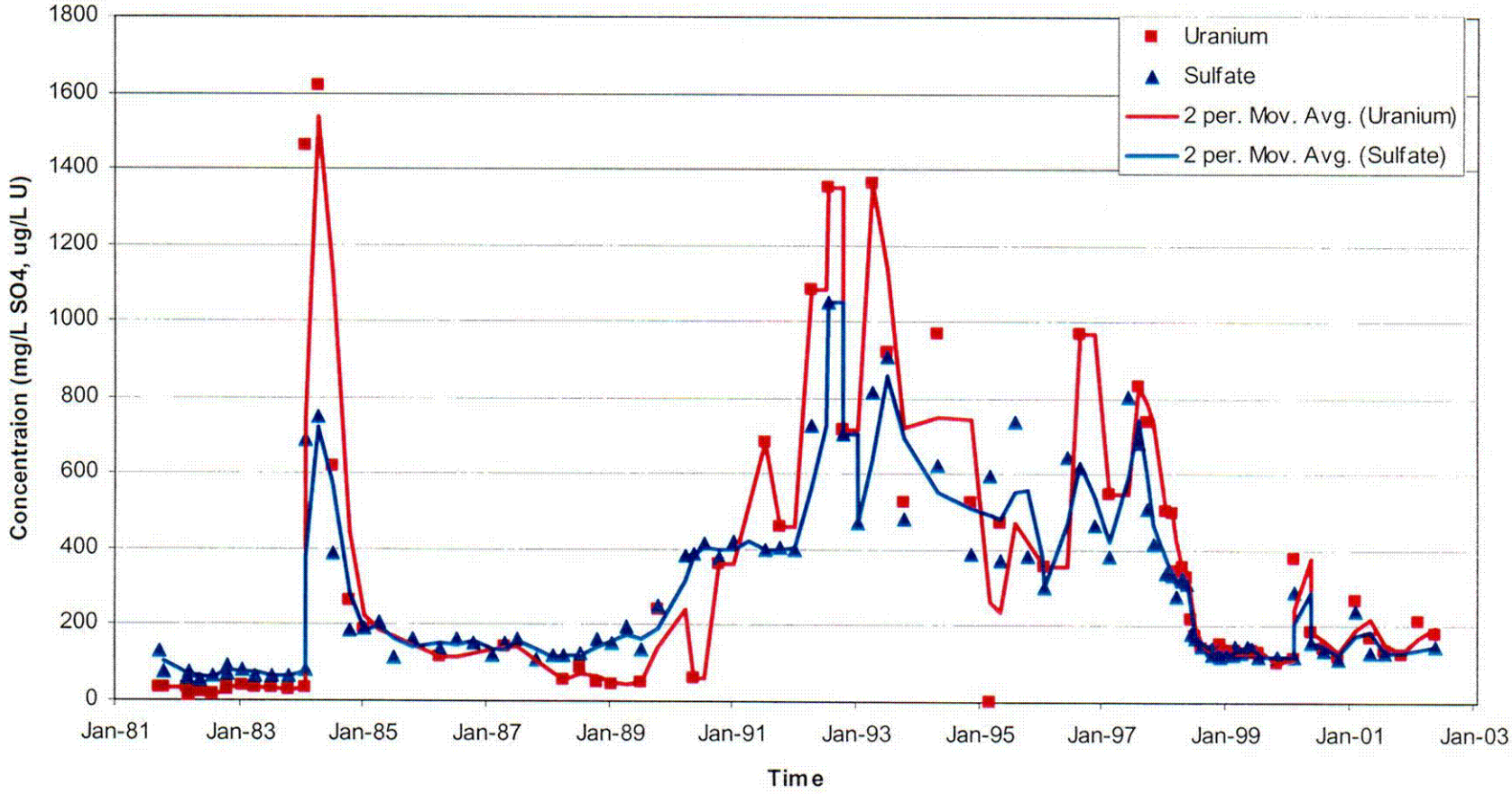

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FIGURE 5.5-4
WN-21 SULFATE vs. URANIUM TRANSPORT COMPARISON

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

C21

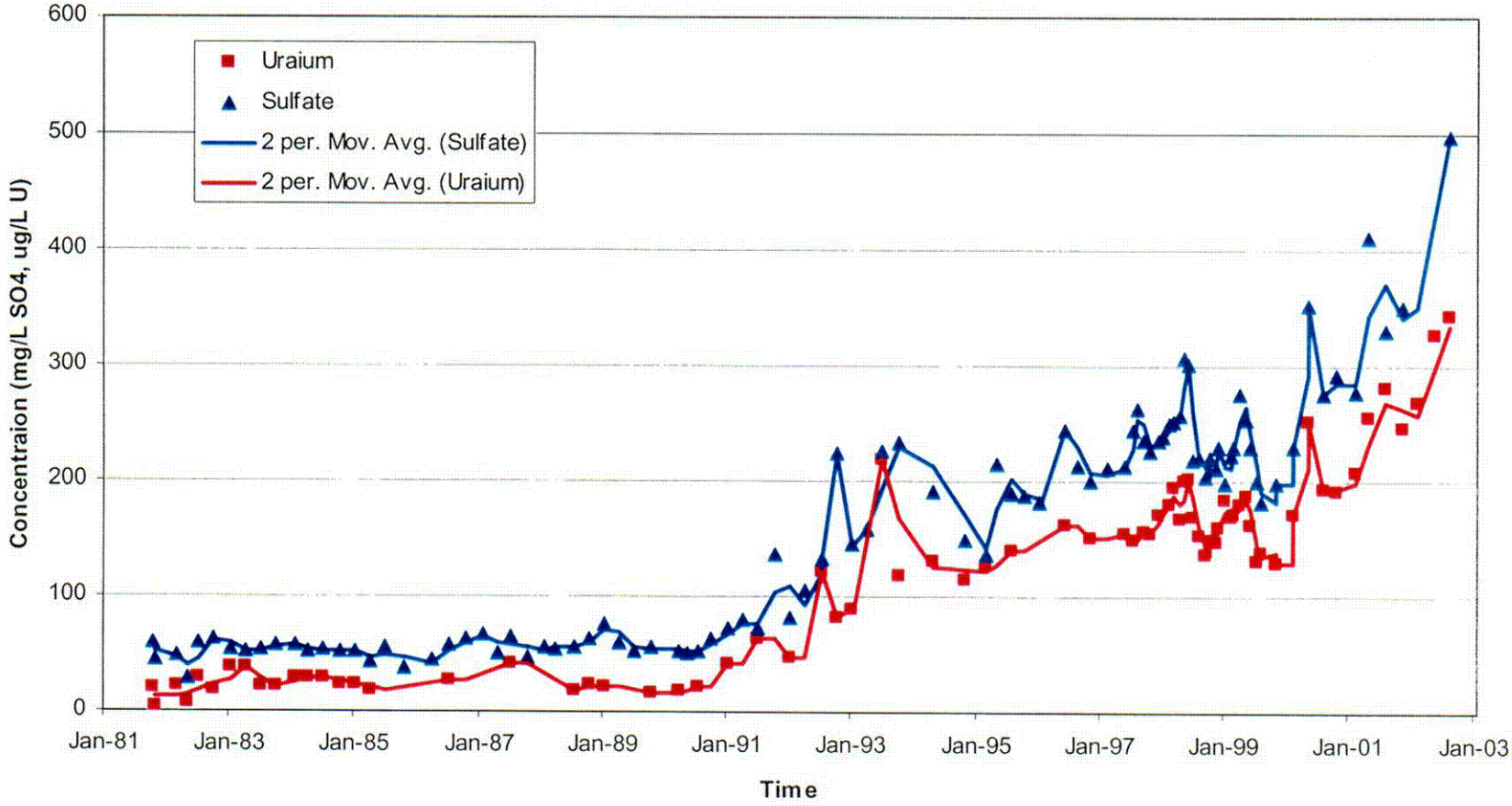

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FIGURE 5.5-5
WN-24 SULFATE vs. URANIUM TRANSPORT COMPARISON

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

C22

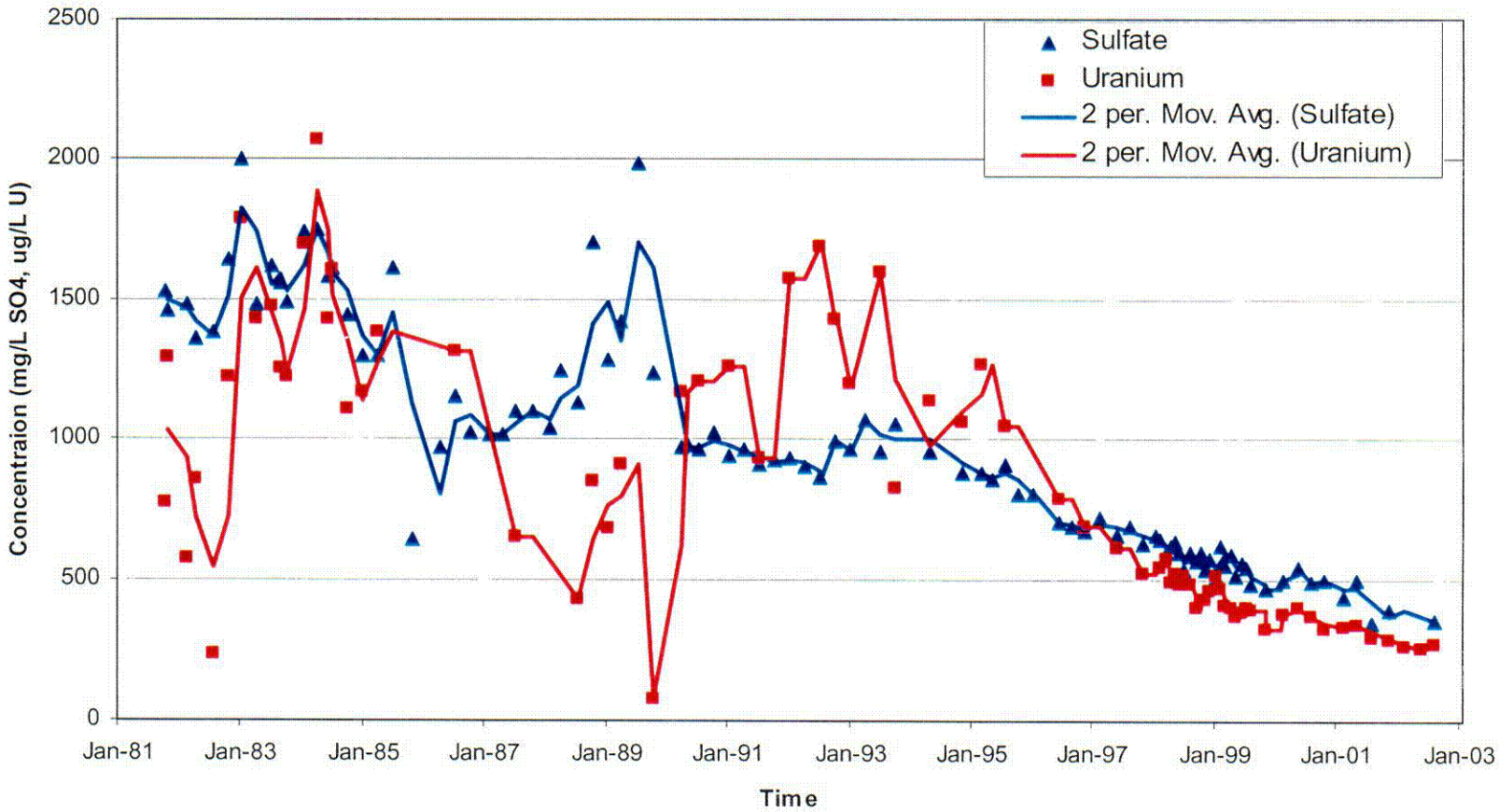

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FIGURE 5.5-6
WN-25 SULFATE vs. URANIUM TRANSPORT COMPARISON

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

C23

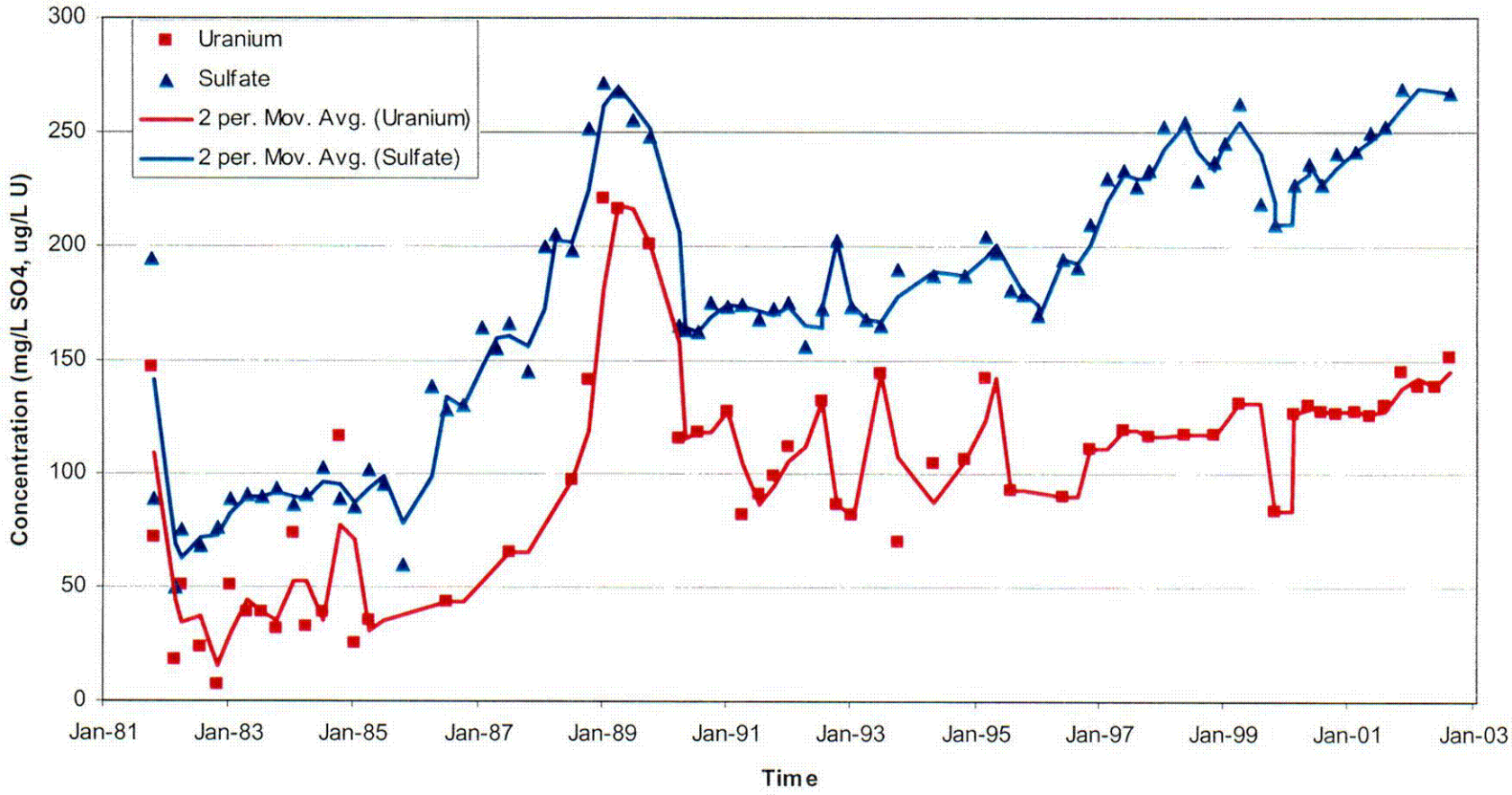

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FIGURE 5.5-7
WN-15 SULFATE vs. URANIUM TRANSPORT COMPARISON

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

C24

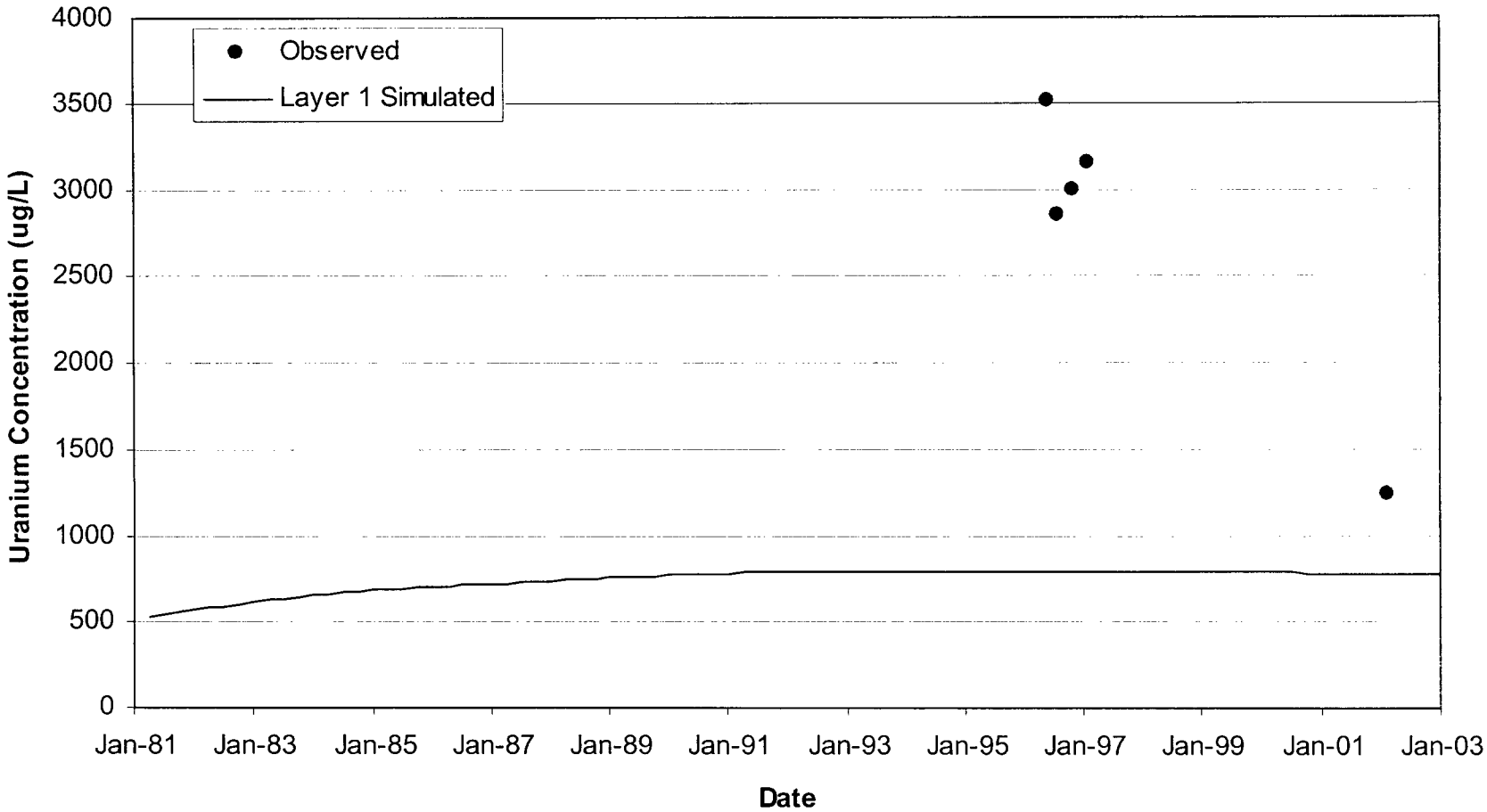

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FIGURE 5.5-8
SWAB-1 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

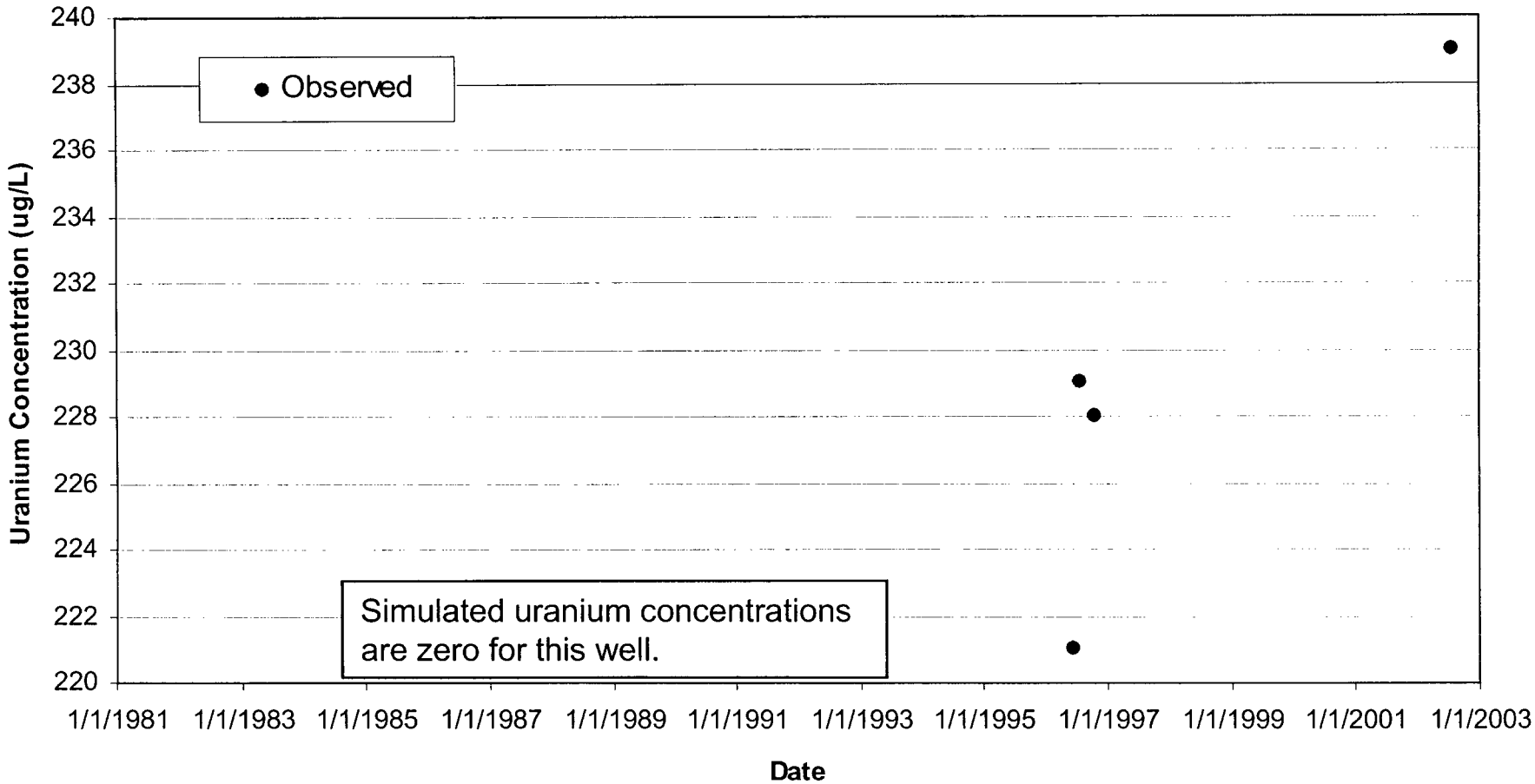

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FIGURE 5.5-9
SWAB-11 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

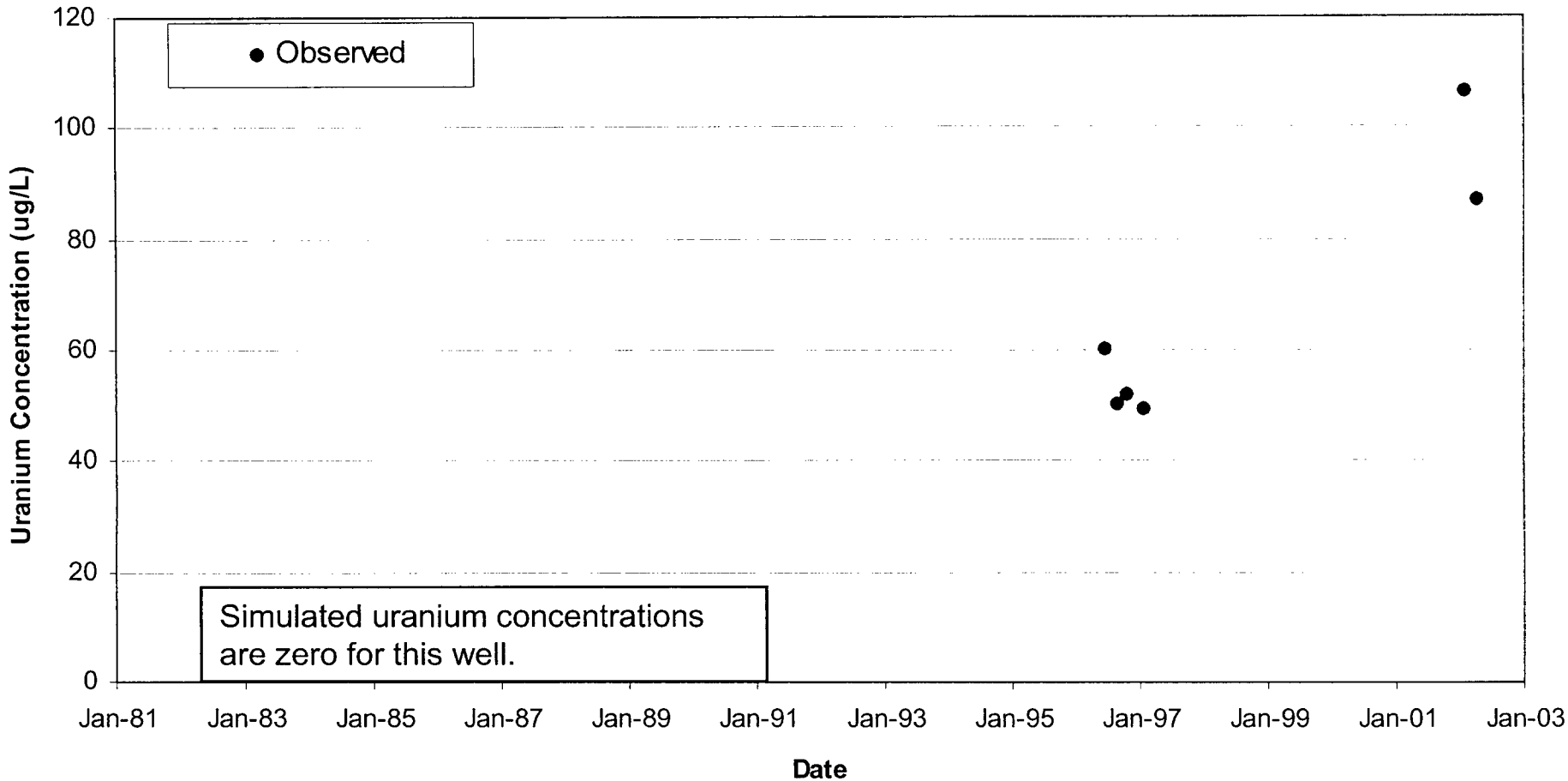

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FIGURE 5.5-10
SWAB-15 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

Date:	MARCH 2003
Project:	P:\03-347\MODEL\REPORT
File:	EXCEL-FIGS-5-5.ppt

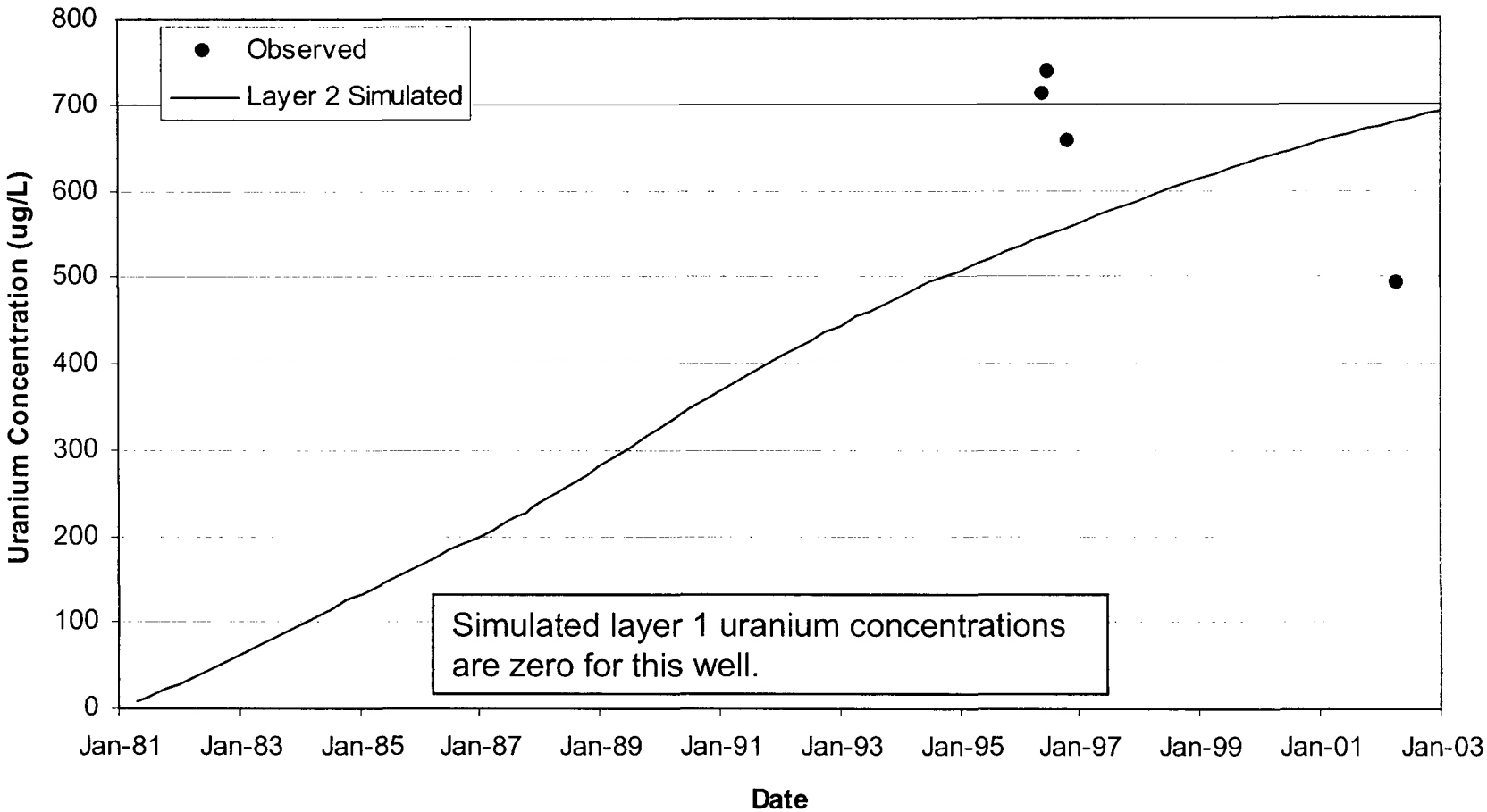

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FIGURE 5.5-11
SWAB-3 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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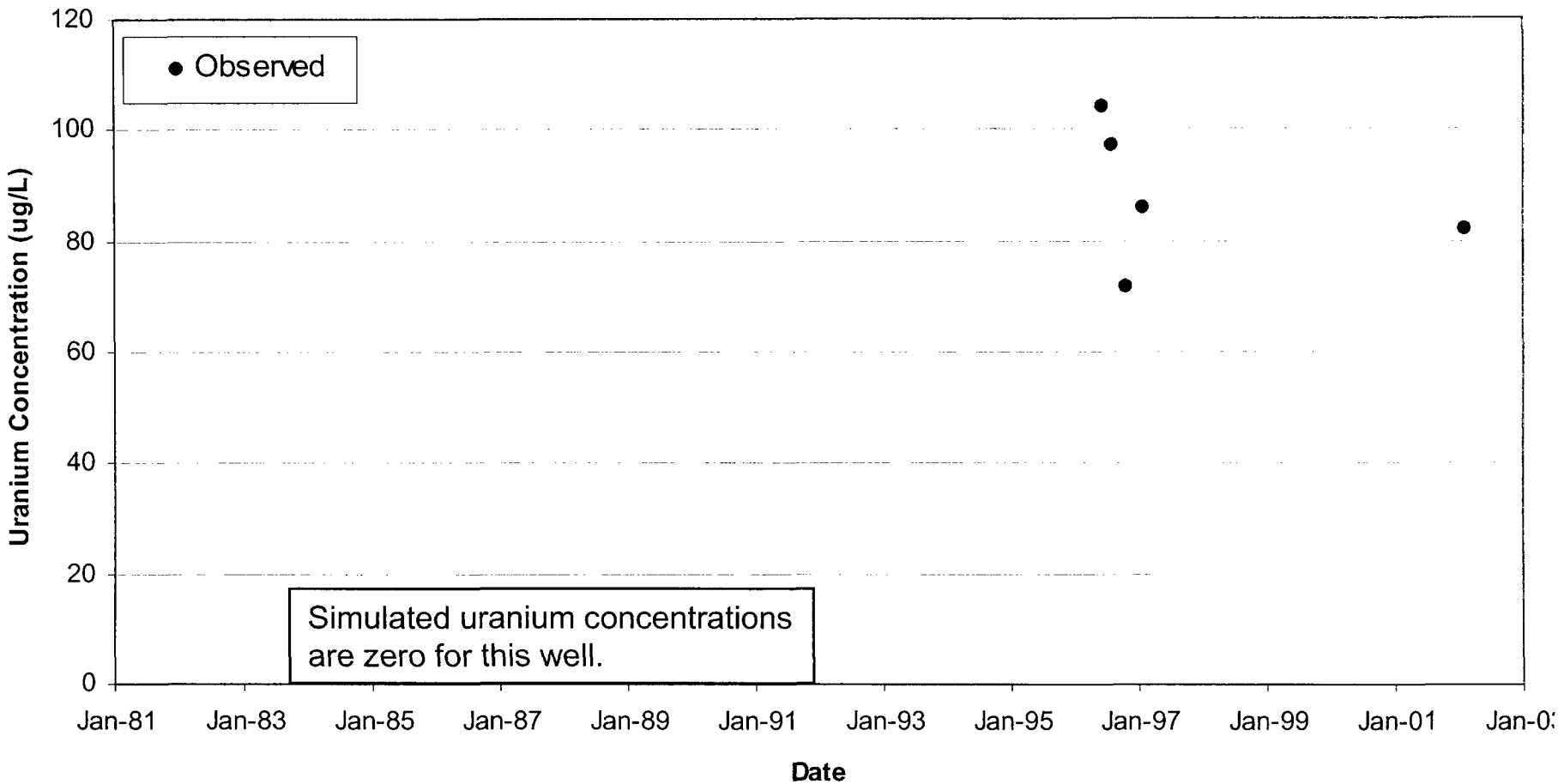

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FIGURE 5.5-12
SWAB-7 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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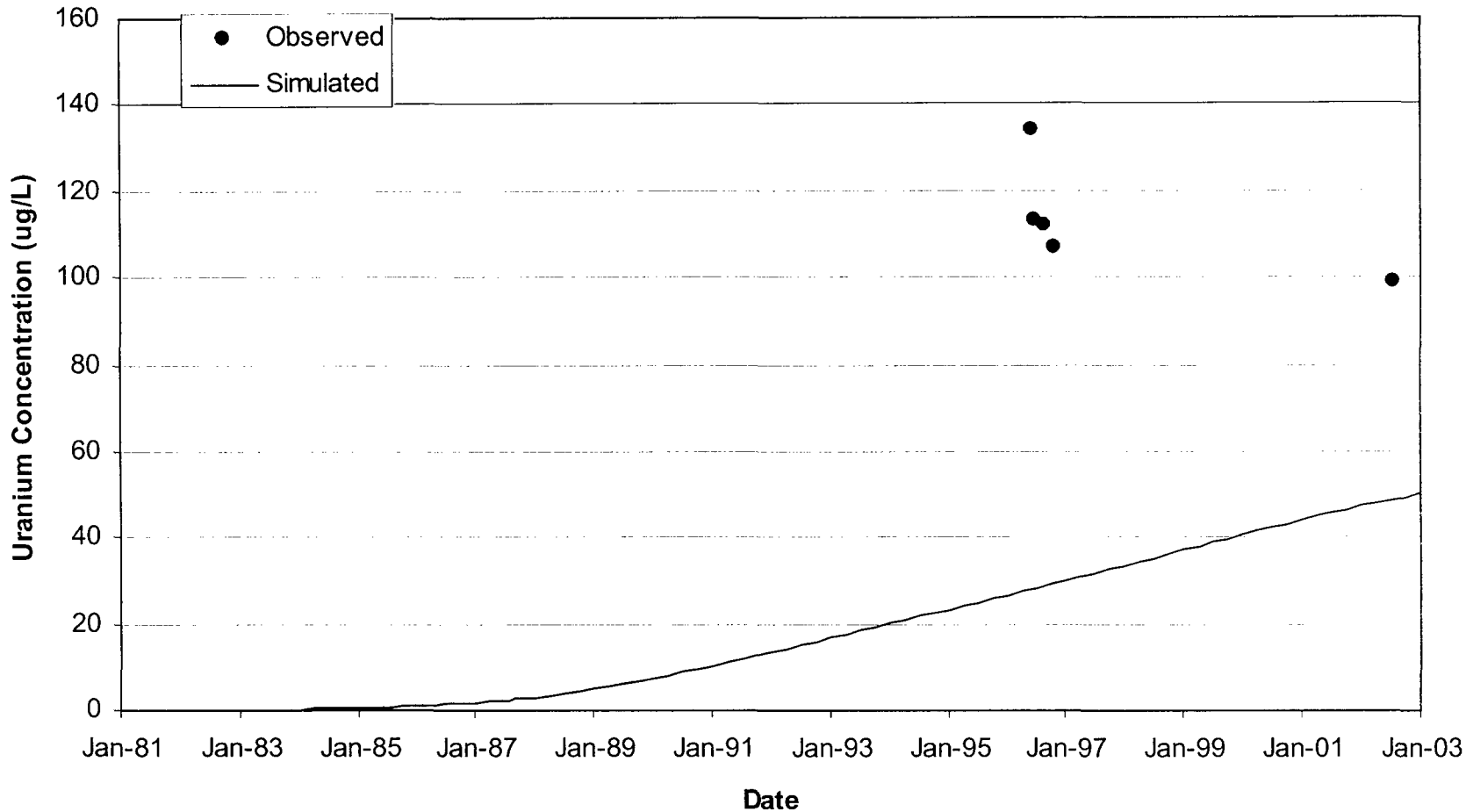

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FIGURE 5.5-13
SWAB-8 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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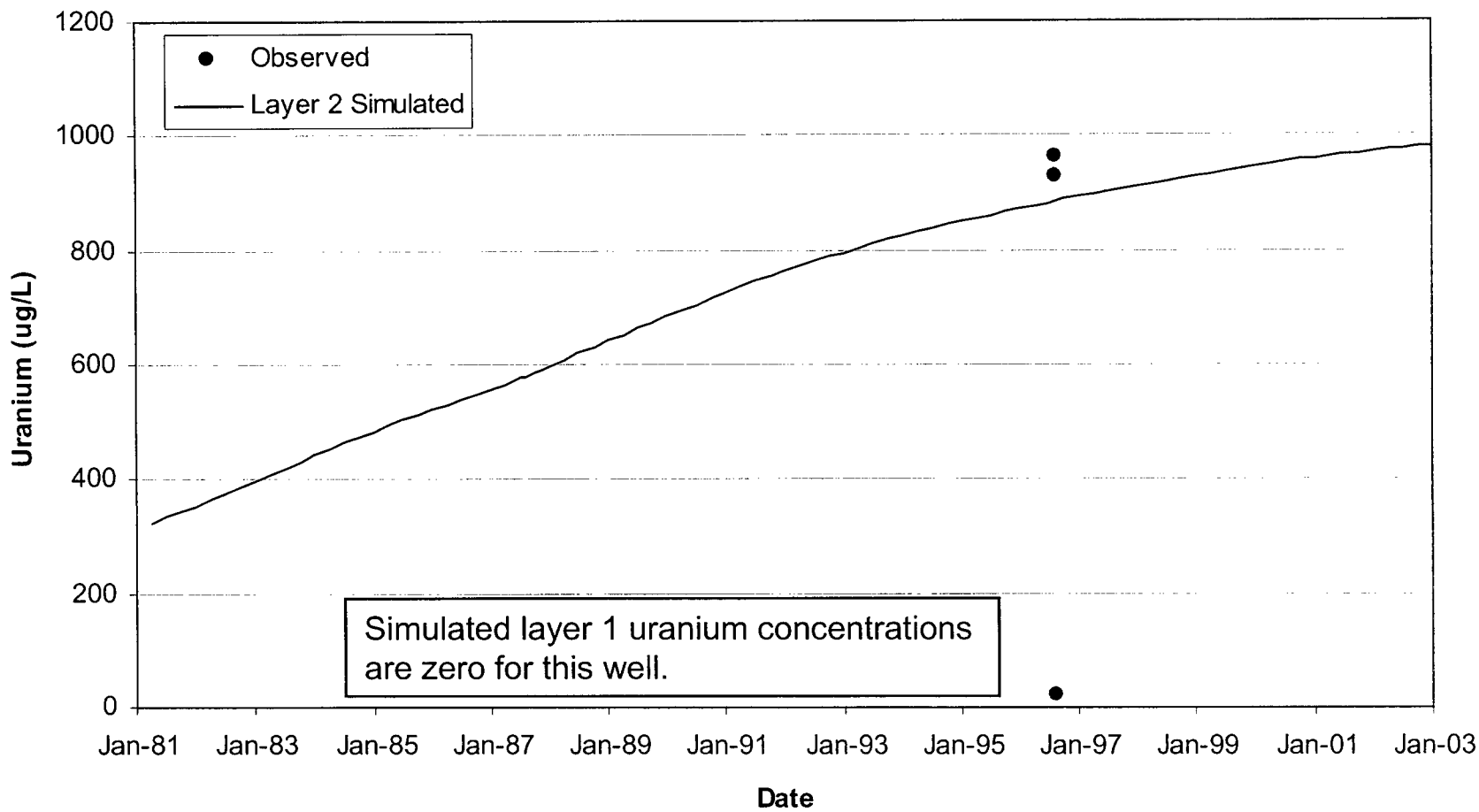

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FIGURE 5.5-14
SWEB-11 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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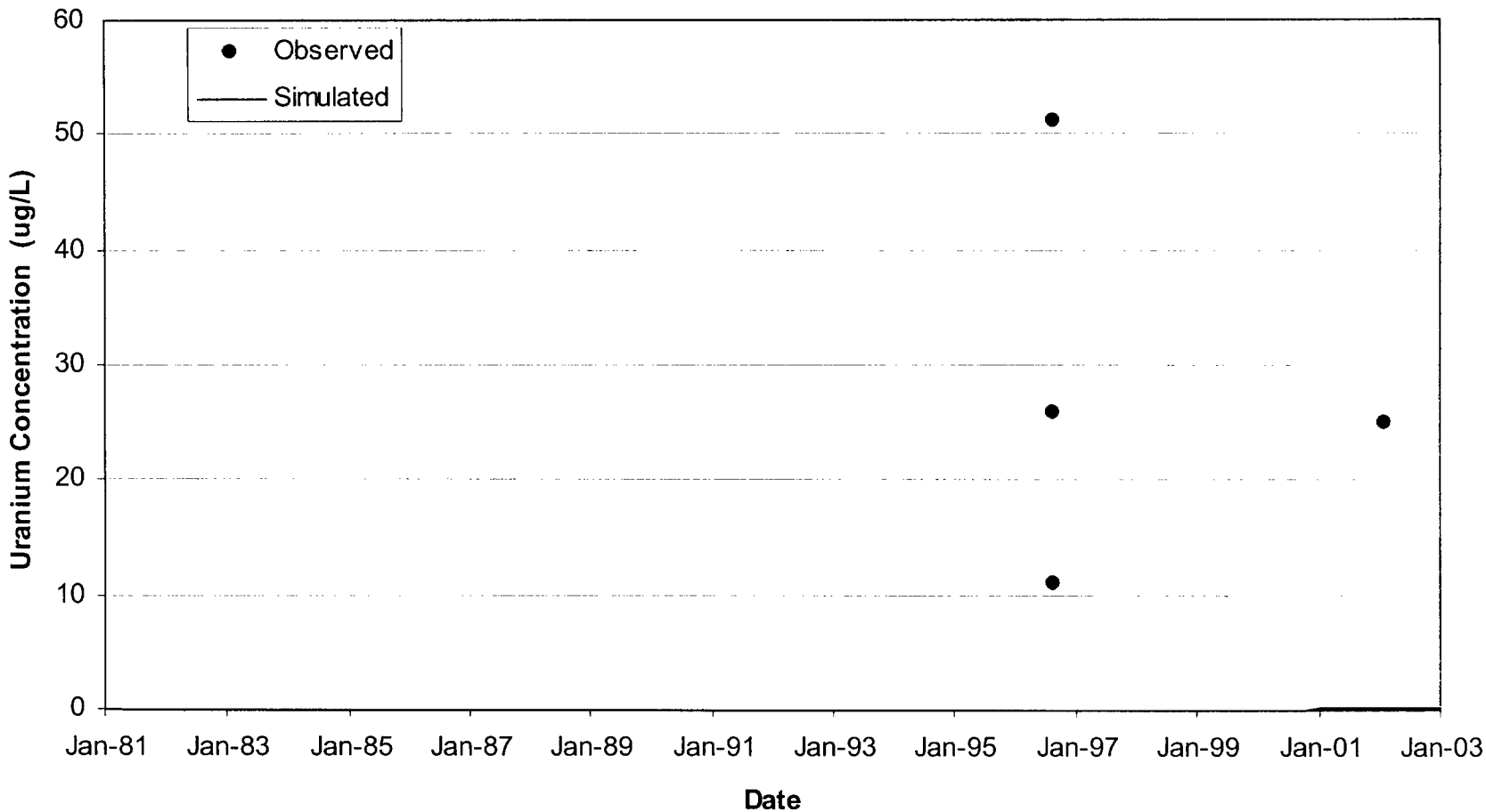

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FIGURE 5.5-15
SWEB-12 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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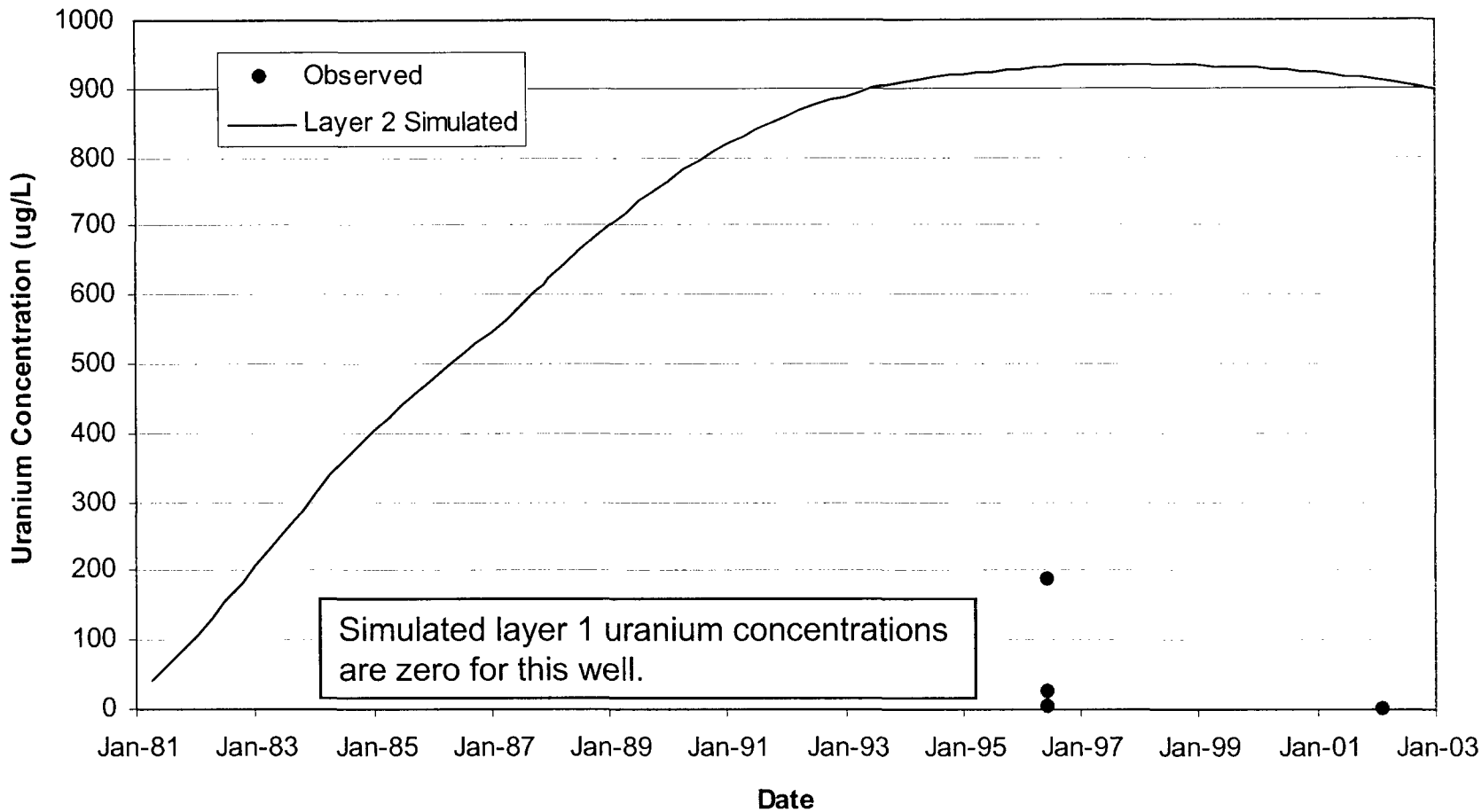

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FIGURE 5.5-16
SWEB-6 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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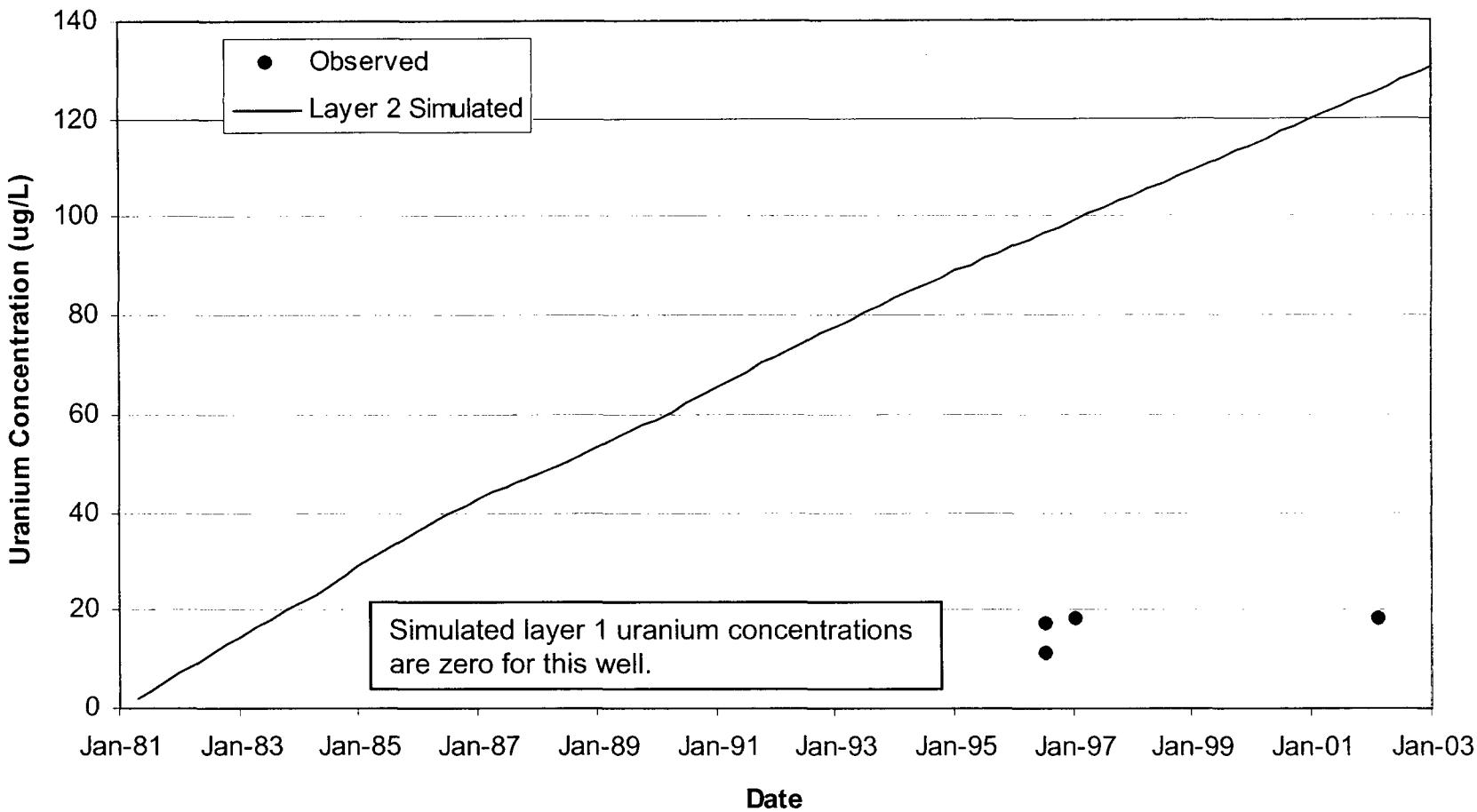

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FIGURE 5.5-17
SWEB-8 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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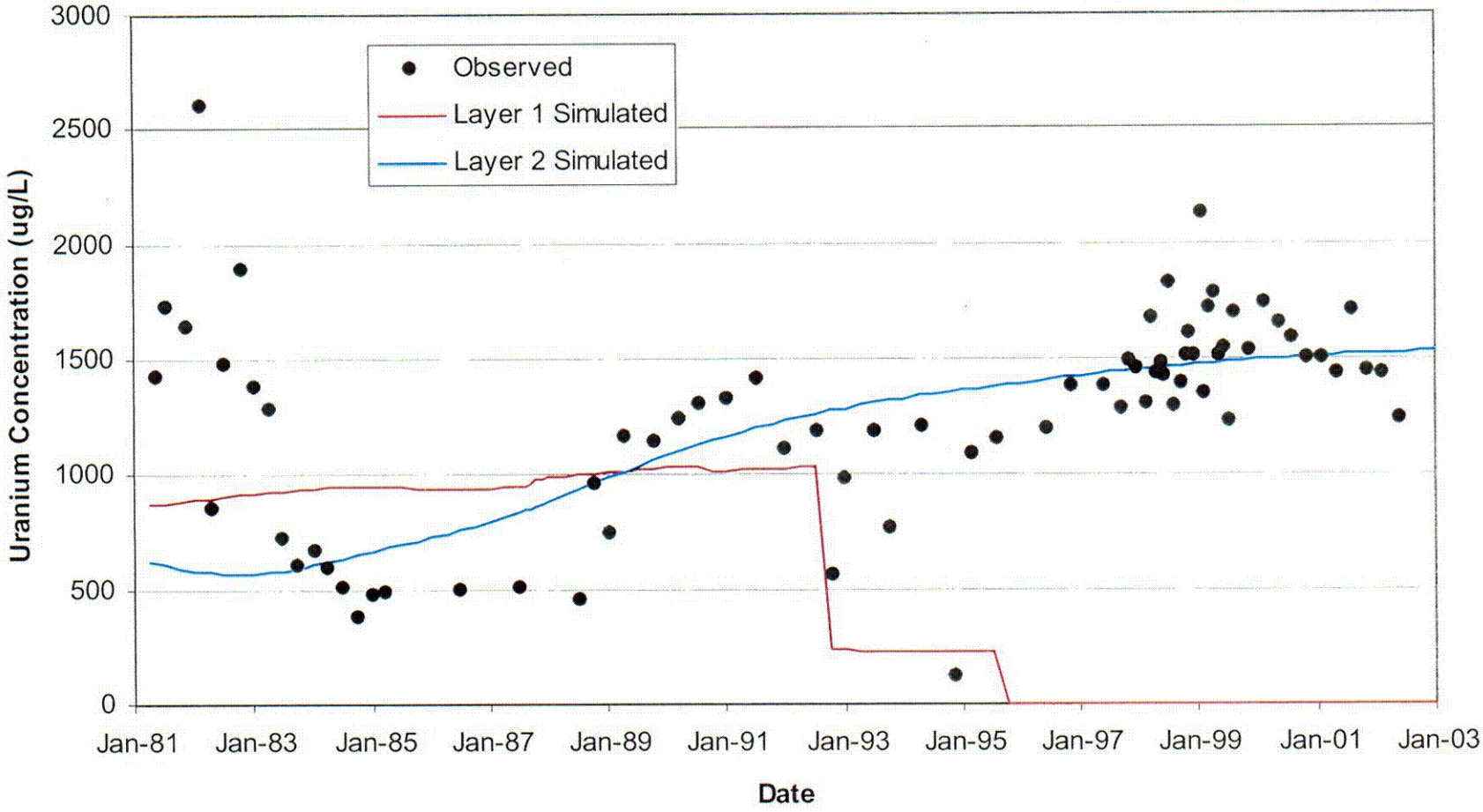

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FIGURE 5.5-18
WELL-3 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

Date:	MARCH 2003
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File:	EXCEL-FIGS-5-5.ppt

C25

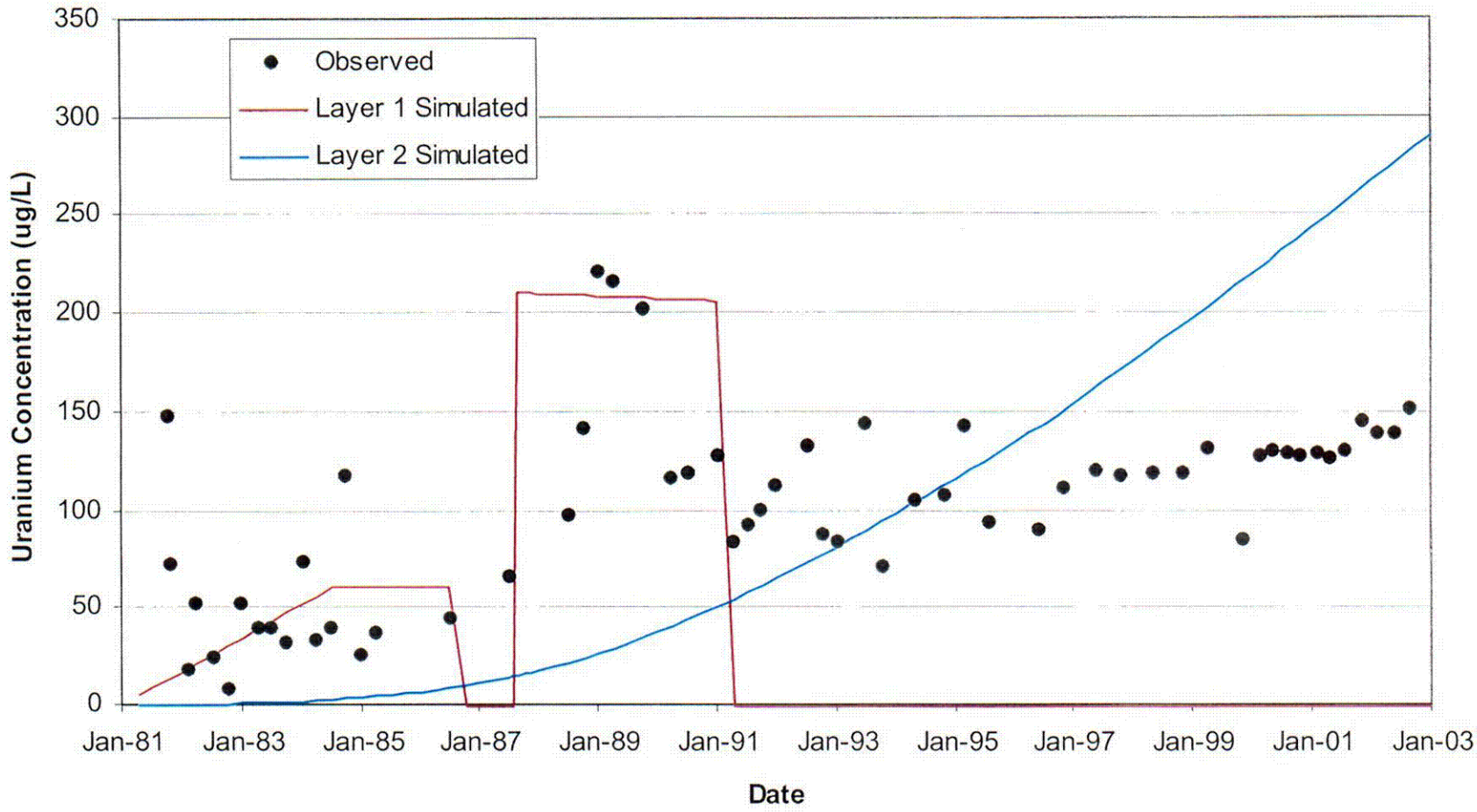

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FIGURE 5.5-19
WN-15 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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File:	EXCEL-FIGS-5-5.ppt

C26

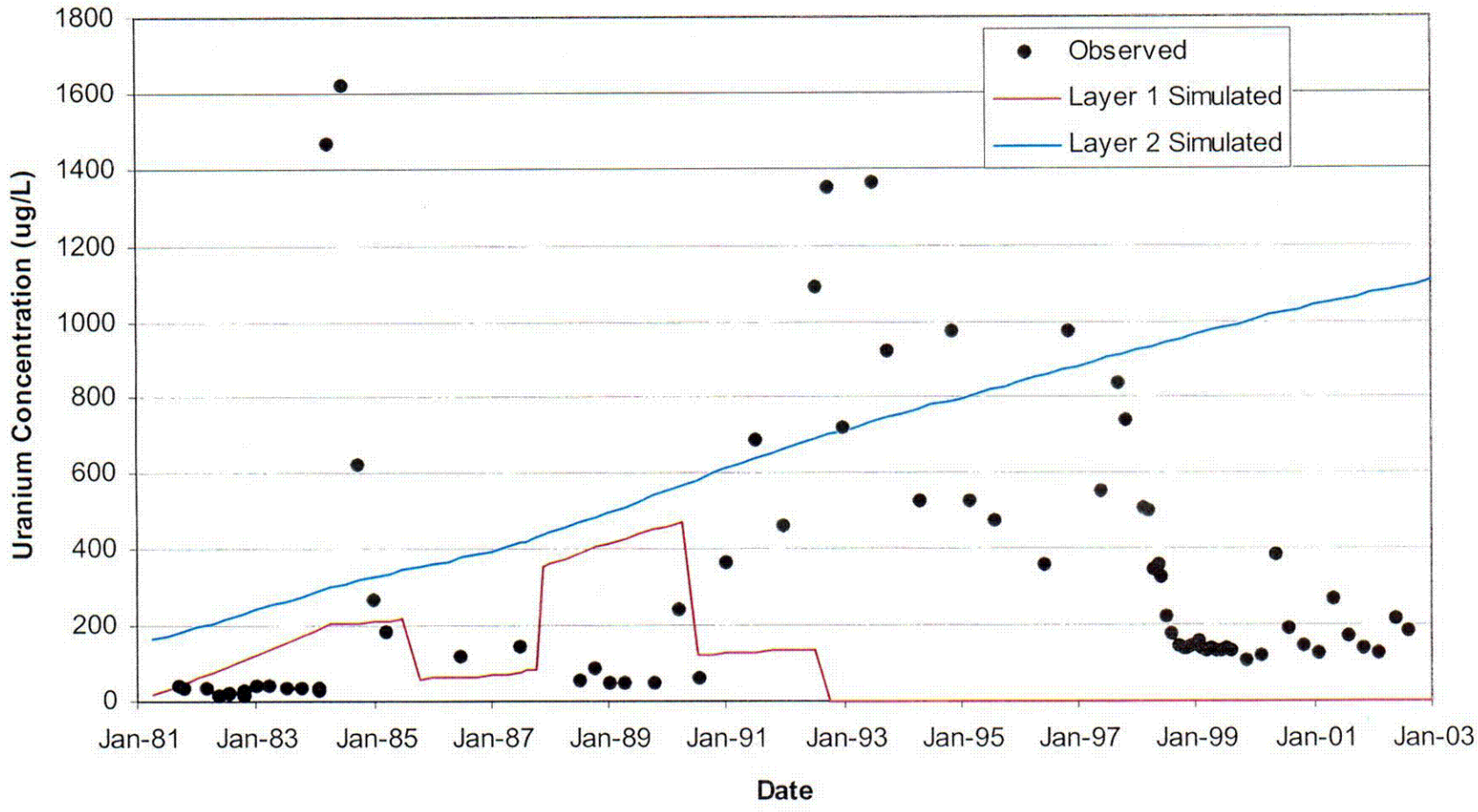

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FIGURE 5.5-20
WN-21 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

Date:	MARCH 2003
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File:	EXCEL-FIGS-5-5.ppt

C27

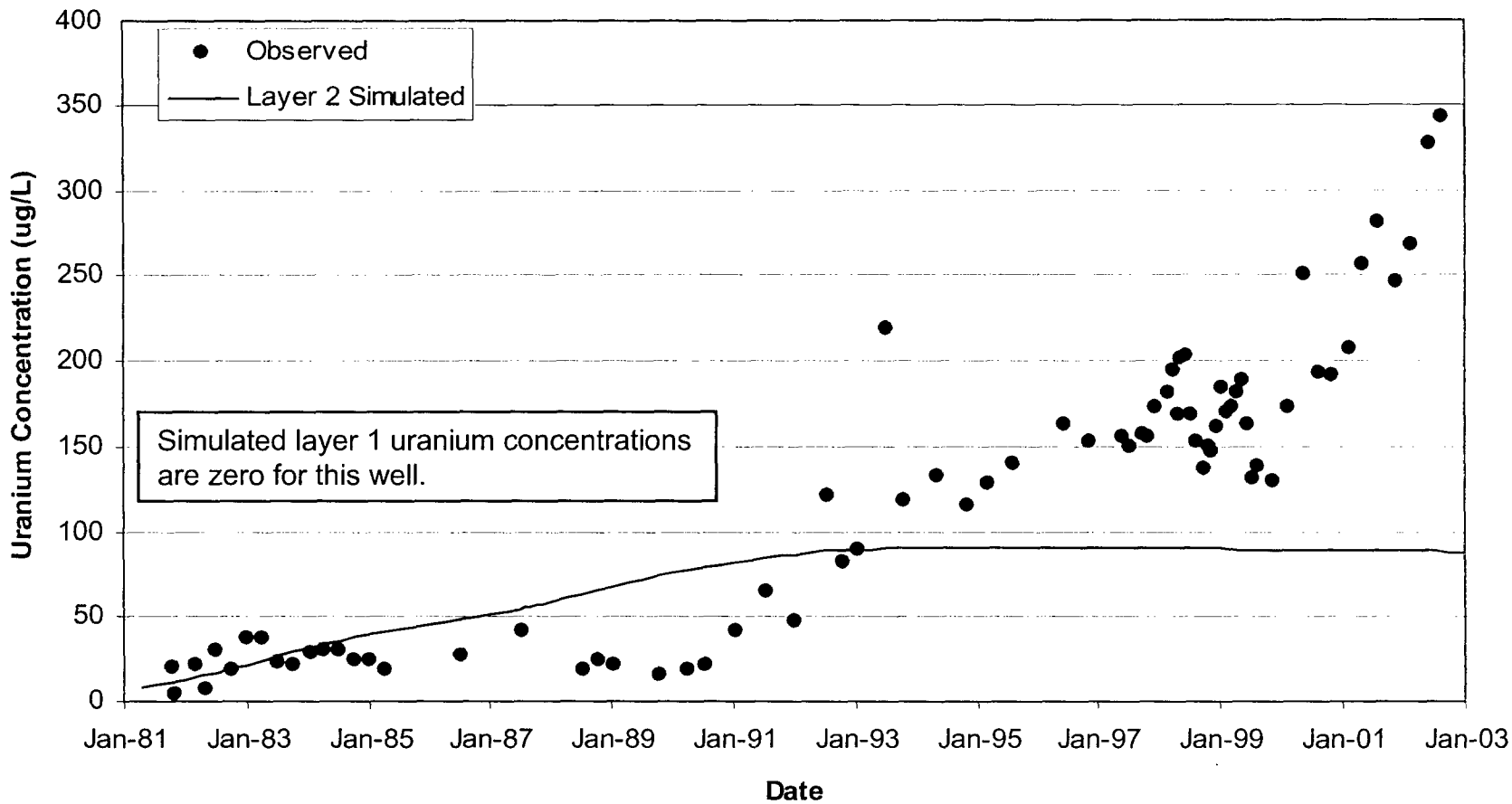

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FIGURE 5.5-21
WN-24 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

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File:	EXCEL-FIGS-5-5.ppt

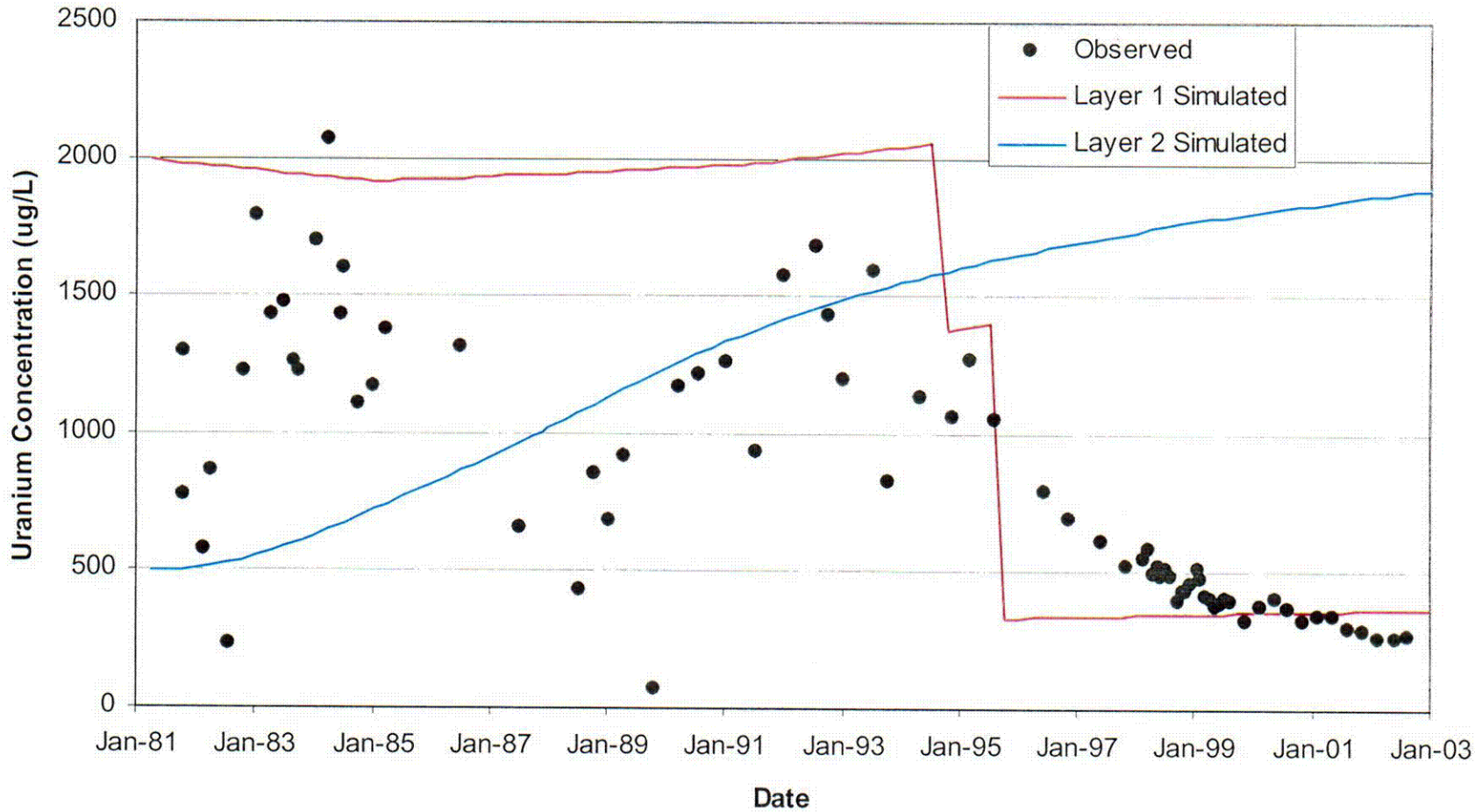

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FIGURE 5.5-22
WN-25 SIMULATED vs. OBSERVED URANIUM CHEMOGRAPH

Date:	MARCH 2003
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File:	EXCEL-FIGS-5-5.ppt

C28

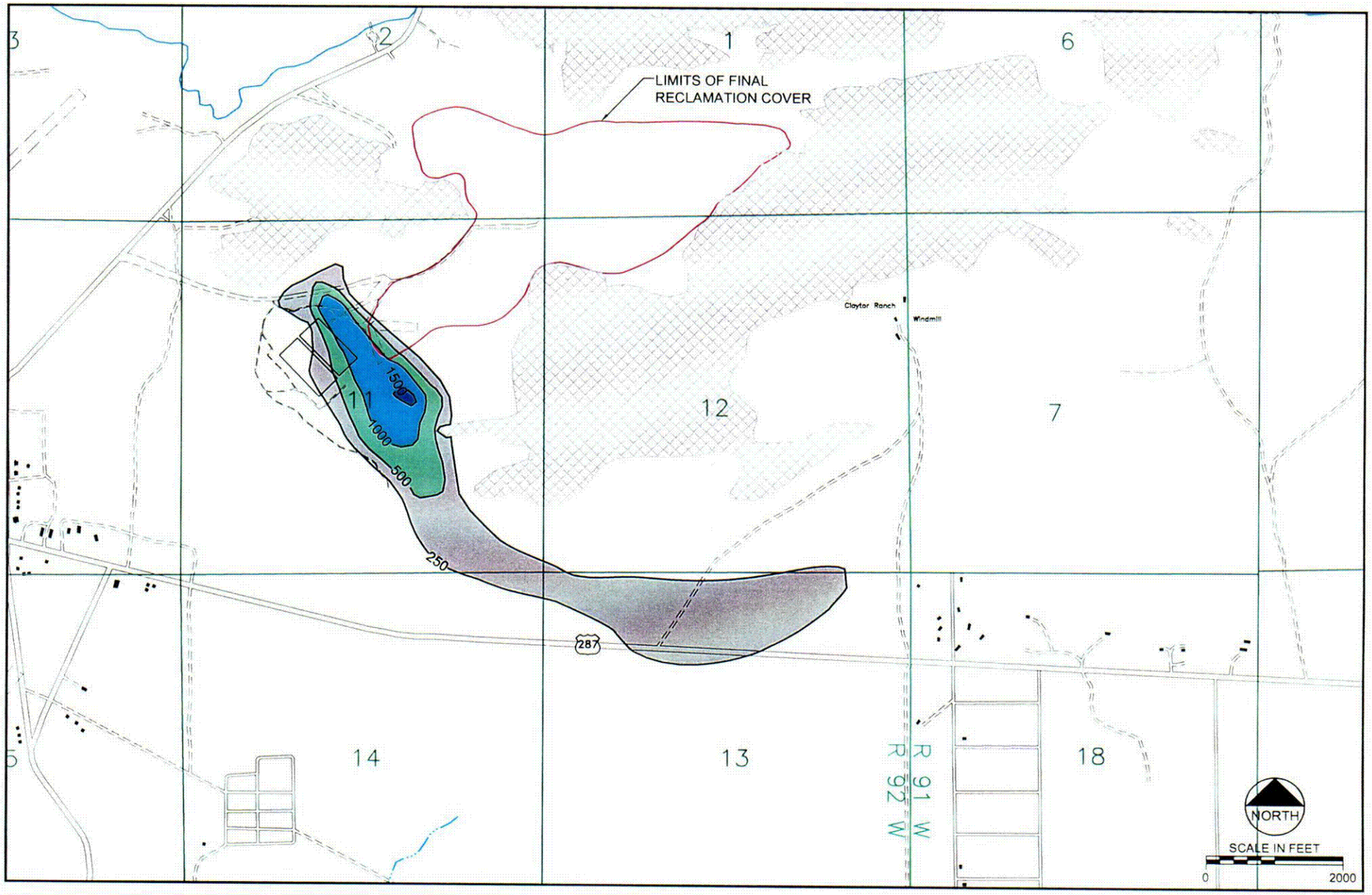

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FIGURE 6.0-1
PREDICTED 200 YEAR SULFATE CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	YEARS-01.DWG

C29

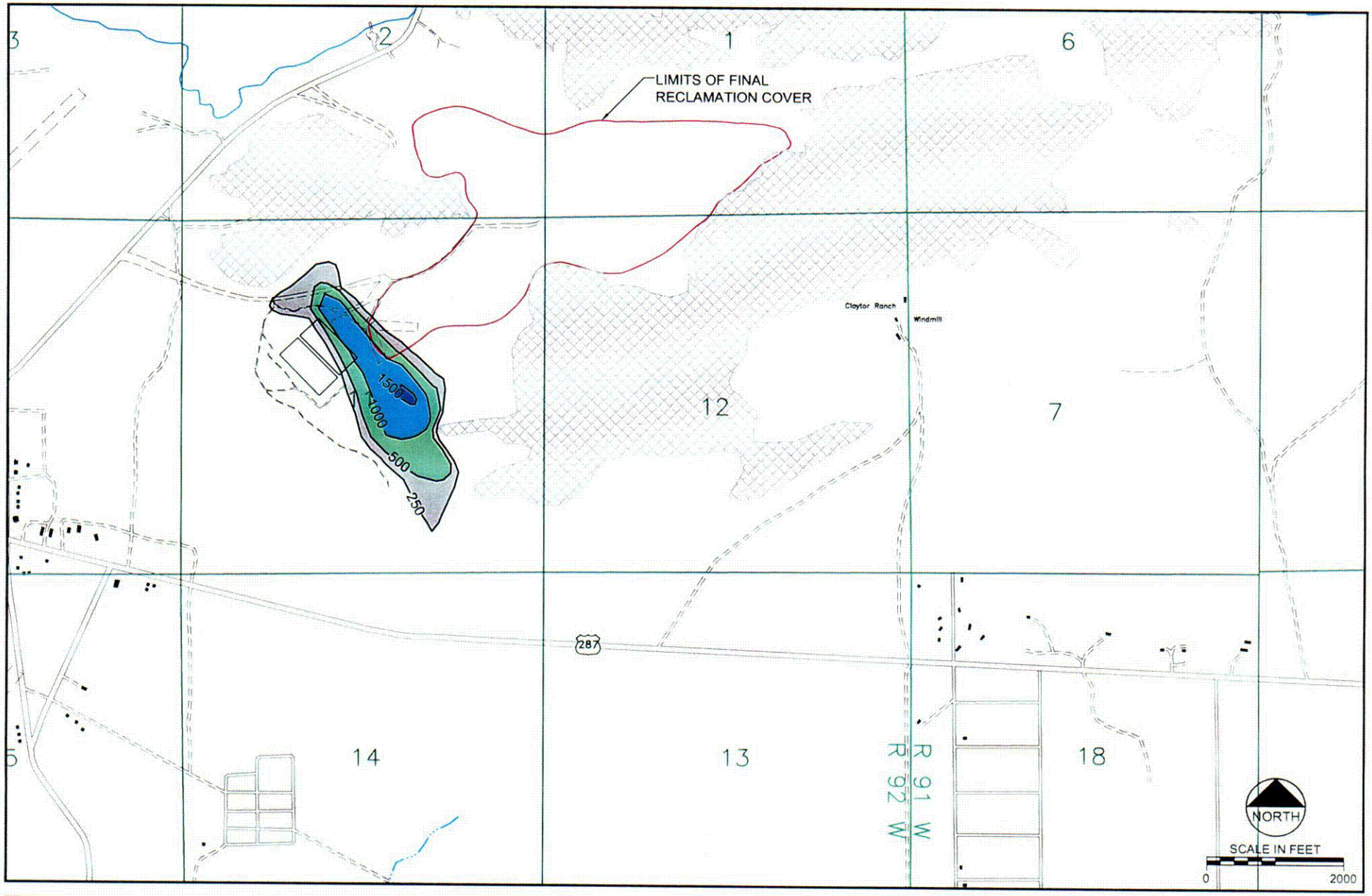

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FIGURE 6.0-2
PREDICTED 500 YEAR SULFATE CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	YEARS-01.DWG

C30

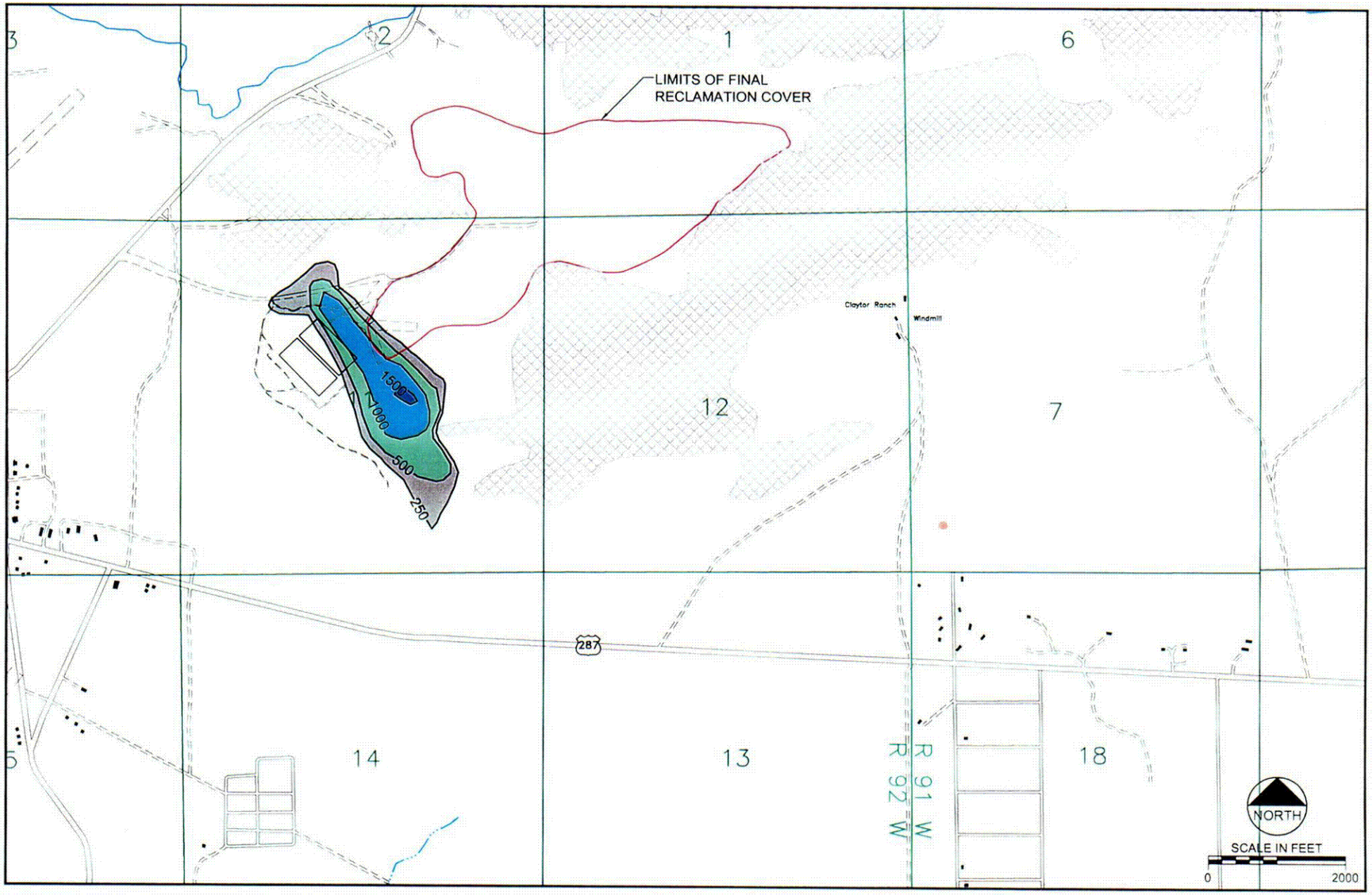

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FIGURE 6.0-3
PREDICTED 1000 YEAR SULFATE CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	YEARS-01.DWG

C31

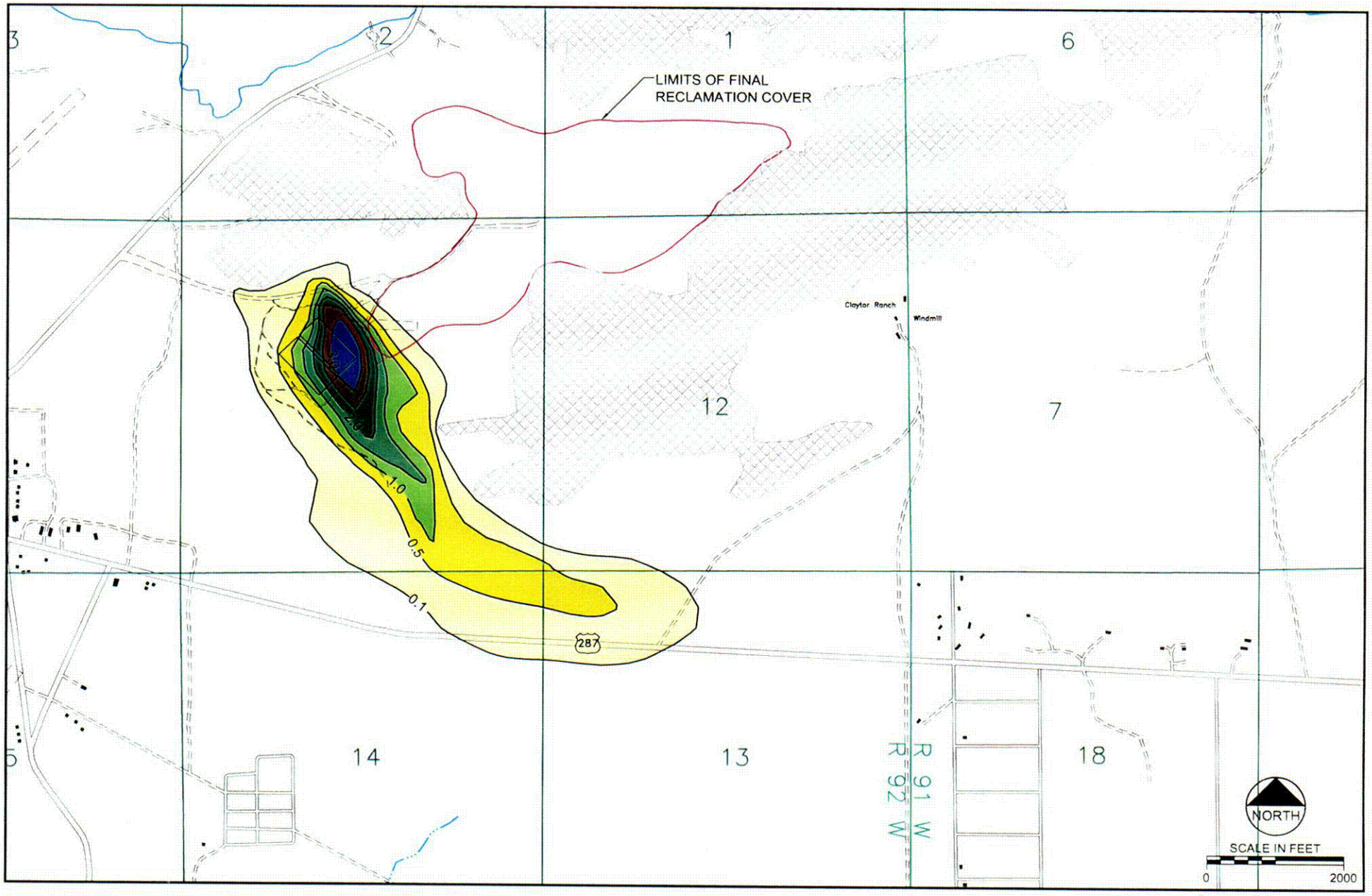

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FIGURE 6.0-4
PREDICTED 200 YEAR URANIUM CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	YEARS-01.DWG

C32

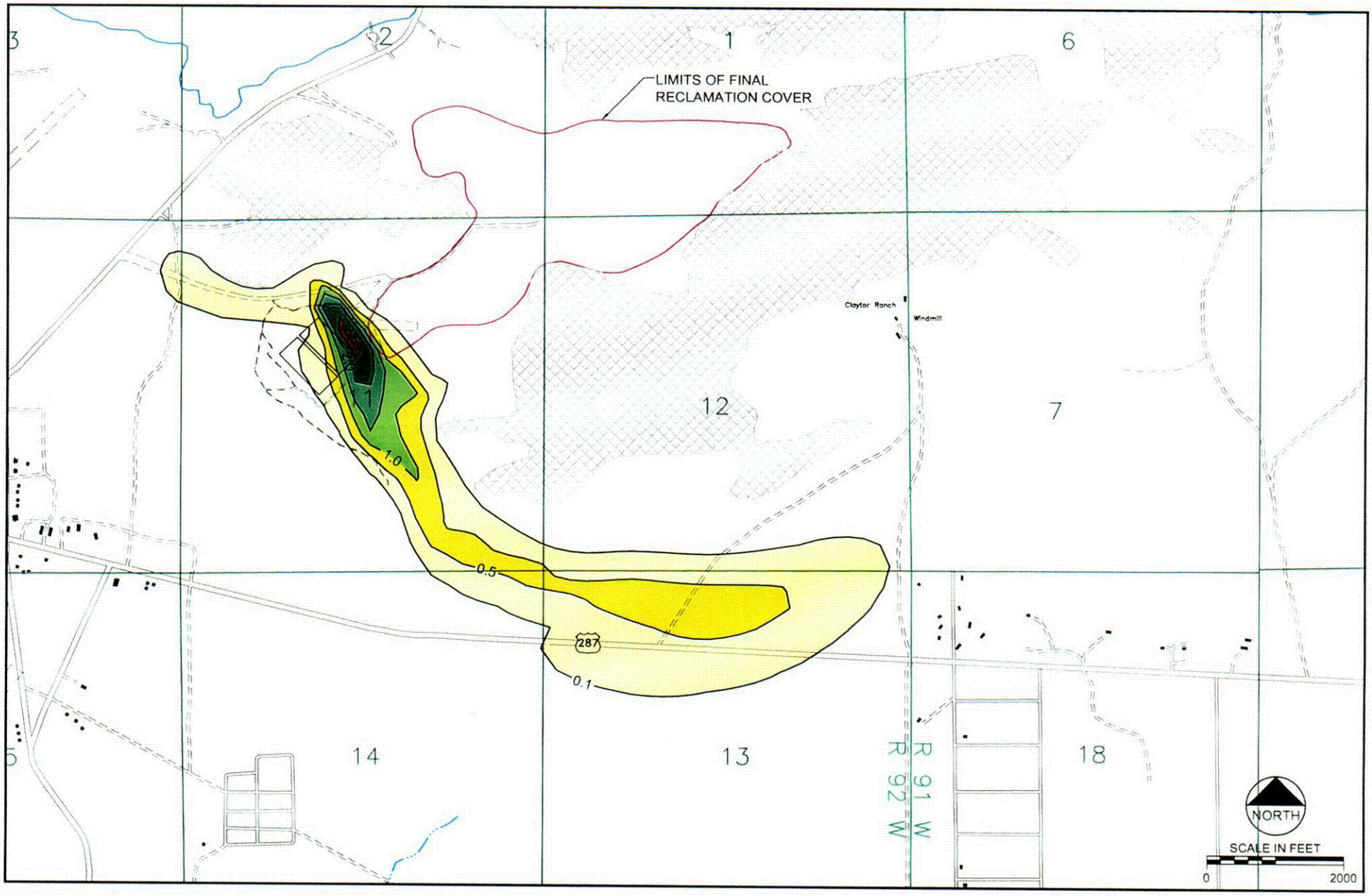

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FIGURE 6.0-5
PREDICTED 500 YEAR URANIUM CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	YEARS-01.DWG

C33

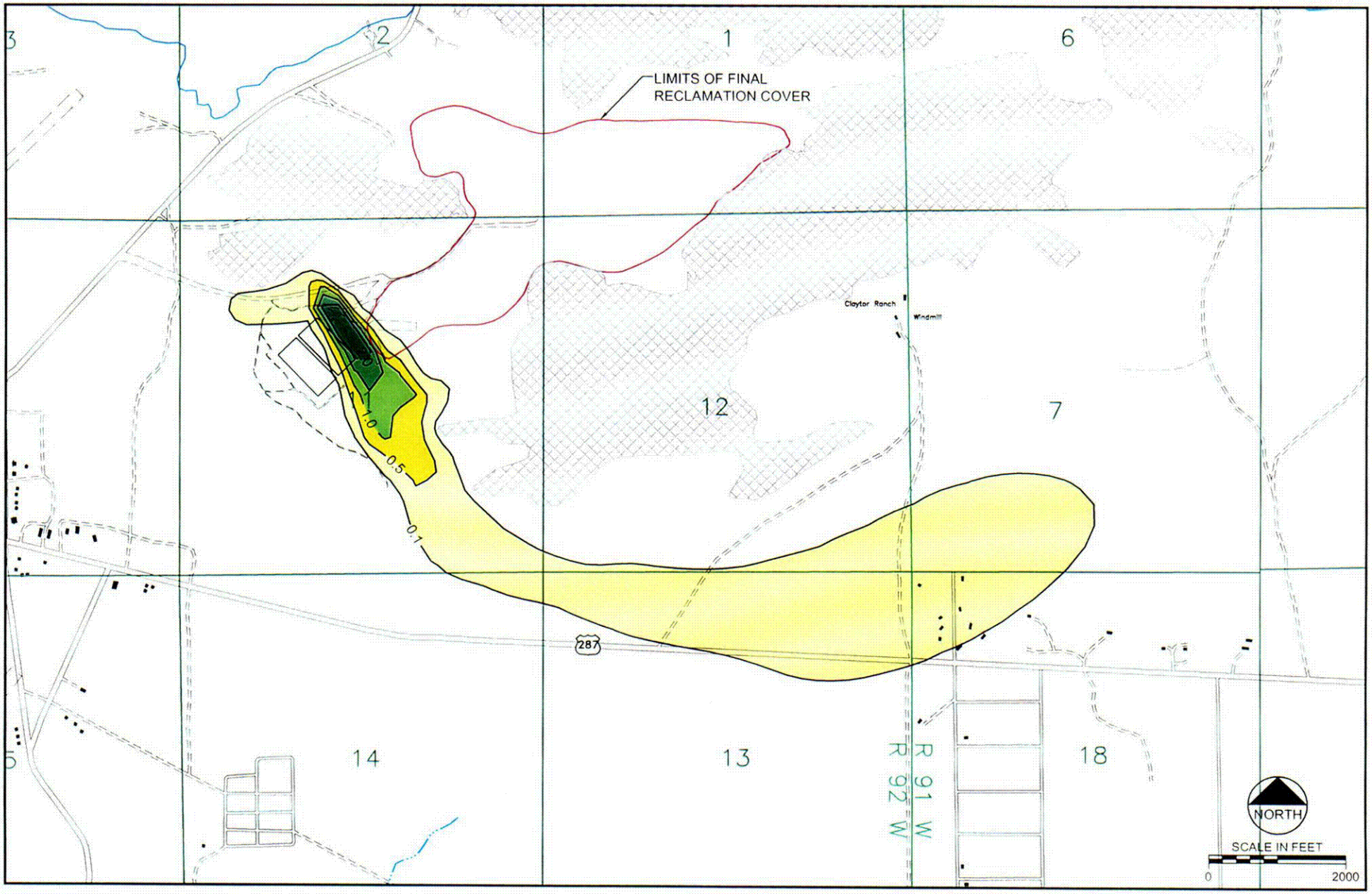

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FIGURE 6.0-6
PREDICTED 1000 YEAR URANIUM CONCENTRATIONS (mg/L)

Date:	MARCH 2003
Project:	003347/2003
File:	YEARS-01.DWG

C34

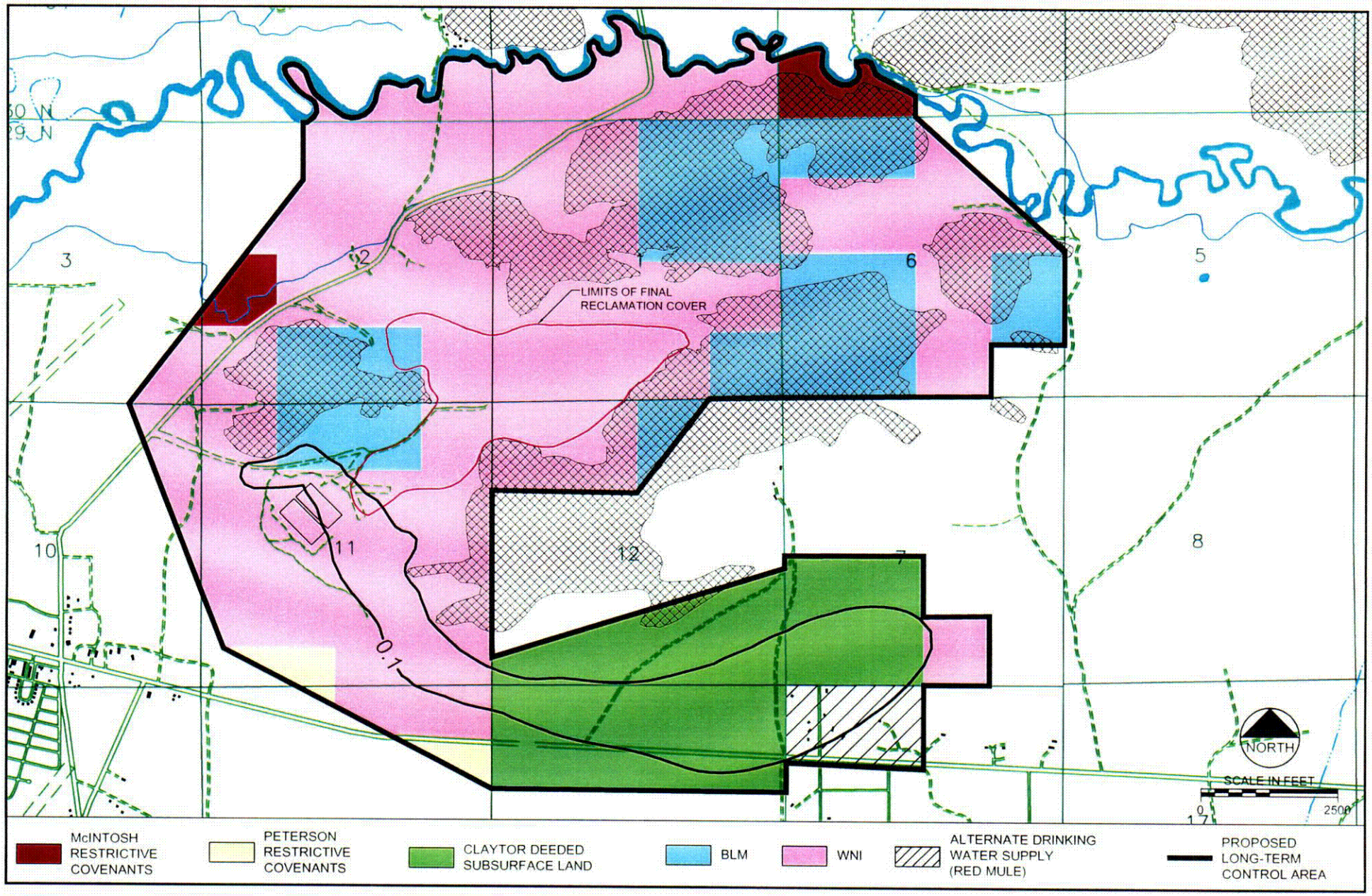

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FIGURE 6.0-7
PROPOSED LONG-TERM CARE BOUNDARY WITH PREDICTED
1000 YEAR URANIUM PLUME

Date:	MARCH 2003
Project:	003347/2003
File:	PLUME-03.DWG

C35