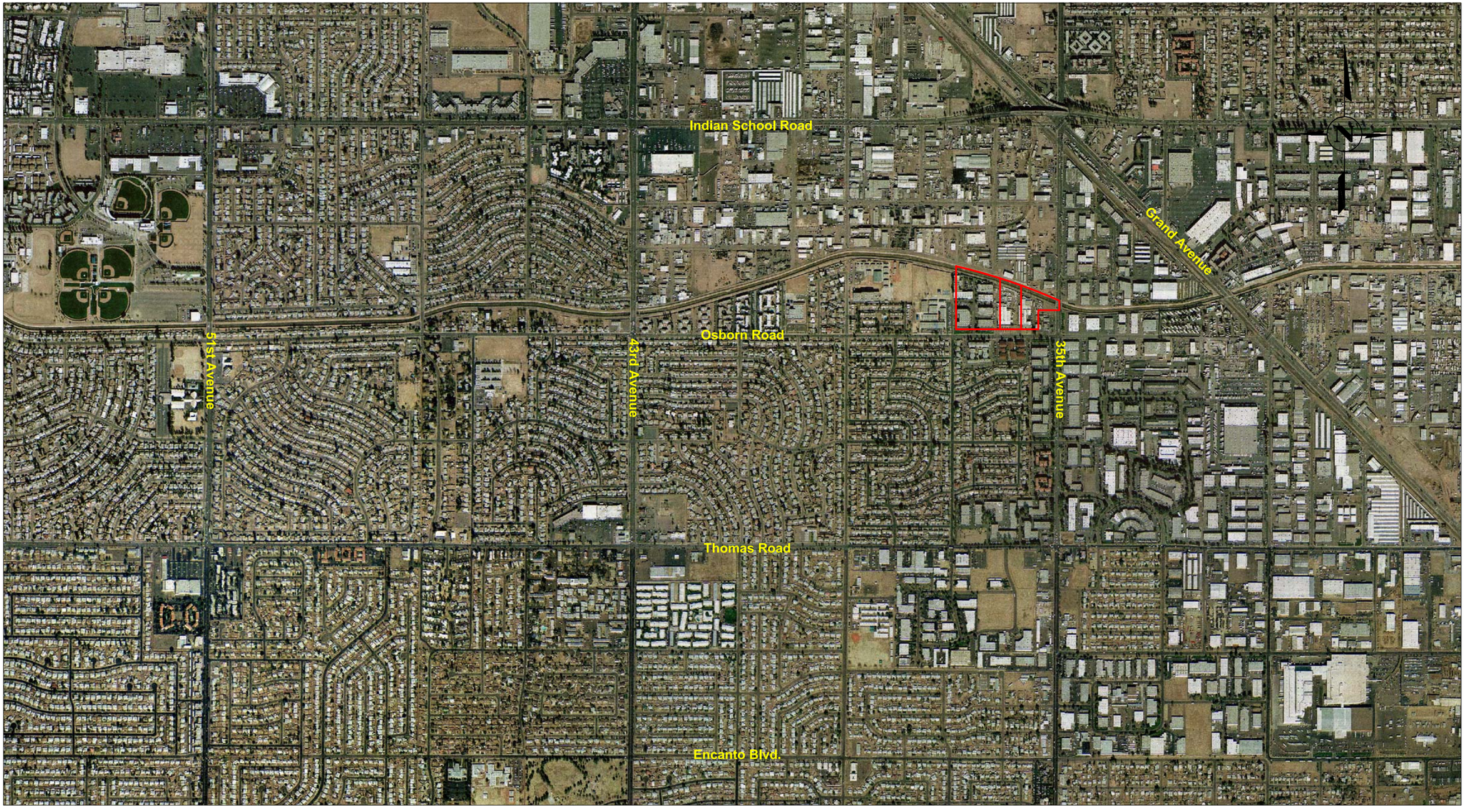

Site Boundary

0 1000 2000

APPROXIMATE SCALE IN FEET

TITLE: VICINITY MAP

LOCATION: UNITED INDUSTRIAL CORPORATION

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2209.002
DATE	01/23/04

FIGURE 1-1

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG 1-1 Vicinity Map.dwg

Explanation

N
W E
S

Well Type

- Shallow Zone Monitor Well
- Middle Zone Monitor Well
- Regional Monitor Well
- Production Well
- WCP Monitor Well
- West Osborn Property Boundary

100 50 Feet

MW-3S
MW-3M
WCP-13M
WCP-13
WOC IRR
MW-4L
MW-4M
MW-4S
MW-1S
MW-2S
MW-2M
MW-5S
MW-101S
MW-100S
MW-102M
MW-102S
WCP-1

WOC West Parcel
WOC Middle Parcel
WOC East Parcel

Grand Canal
Osborn Rd.
37th Ave.
35th Ave.

TITLE: **SITE MAP**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc.

June 8, 2004

FIGURE **2-1**

UIC Site Map.mxd

Explanation

N
W E
S

Well Type

- Shallow Zone Monitor Well
- Middle Zone Monitor Well
- Regional Monitor Well
- Production Well
- WCP Monitor Well
- West Osborn Property Boundary

500 250 0 Feet

WCP-2
WCP-5
WCP-6
WCP-9
WCP-1
WCP-7
WCP-12
WCP-13M
WCP-13
WCP-14
WCP-8
WCP-4
WCP-11
WCP-3
WCP-10
SRP 9.5E-7.7N
MW-106M
Grand Canal
MW-3M
MW-3S
MW-4M
MW-4S
MW-7M
MW-7S
MW-7L
WOC West Parcel
WOC Middle Parcel
WOC East Parcel
MW-2S
MW-2M
MW-1S
MW-100S
MW-101S
MW-102S
MW-102M
SRP 10.5E-7.7N
SRP 8.5E-7.5N
Osborn Rd.
MW-105M
51st Ave.
47th Ave.
43rd Ave.
39th Ave.
37th Ave.
35th Ave.
MW-110M
MW-107M
MW-6M
MW-6S
MW-6L
COP-70
COP-71
MW-104S
MW-103S
DANONE
ARCO
MW-201S
MW-108M
MW-109M
Thomas Rd.
Encanto Blvd.

TITLE:
UIC MONITORING WELL LOCATIONS

LOCATION:
UNITED INDUSTRIAL CORPORTATION

GeoTrans, Inc.

June 8, 2004

FIGURE
2-2

UIC Well Location Map.mxd

N

TP-1

(DETAIL IN FIG. 4.6)

TP-6B

TP-6A

(DETAIL IN FIG. 4.2)

BH-1-103

TP-2

TP-3B

TP-5

BH-1-101

BH-1

TP-3A

TP-3

BH-1-102

TT1-1(COMP)
TT1-2(COMP)
TT1-3(COMP)

SEPTIC TANK

TT1-SEP

ST1-SL8

AB-1

ST1-BASE

TT1-SS1

TP-4

(DETAIL IN FIG. 4.3)

AB-3

TT2-4 (COMP)
TT2-5 (COMP)

ST2-SL
ST2-SL-10

TT2-TL1

HA-1

AB-2

AB-4

ST2-BASE

DRYWELL

TT2-6 (COMP)
TT2-7 (COMP)
TT2-8 (COMP)

TT2-1(COMP)
TT2-2(COMP)
TT2-3(COMP)

HA-2

TT4-12 (COMP)
TT4-13 (COMP)

TT4-5 (COMP)
TT4-6 (COMP)

TT4-9 (COMP)
TT4-10 (COMP)

ST4-SS-1

ST4-SL-1

TT6-1 (COMP)
TT6-2 (COMP)
TT6-3 (COMP)
TT4-11 (COMP)

ST5-SL

APPROXIMATE
EXTENT OF
EXCAVATION

ST5-BASE

SP-1
SP-2
SP-3
SP-4
SP-5
SP-6
SP-7
SP-8
SP-9
SP-10

TT4-SS2

TT4-7 (COMP)

TT5-1 (COMP)

TT4-8 (COMP)

APPROXIMATE
EXTENT OF
EXCAVATION

WATER LINE

TT4-1(COMP)
TT4-2(COMP)
TT4-3(COMP)
TT4-4(COMP)

TP-10

TP-9

GAS LINE (BLUE STAKE)

(DETAIL IN FIG. 4.5)

TP-7

0 25' 50'

OIL/WATER SEPARATOR

BH-2-101

ST3-BASE
ST3-SL10

SP-5

SP-4

SP-1-101

BH-2-102

BH-2-103

ST3-SL10A

ST3-TL3

APPROXIMATE
EXTENT OF
EXCAVATION

SP-1

SP-6

ST3-TL1

TT3-2
(COMP)

SP-7

ST-3
DBOX

SP-1-103

SP-1-102

SP-2

ST3-TL2

TT3-1(COMP)

SP-3

SIDE WALK

(DETAIL IN
FIG. 4.4)

EXPLANATION

- SOIL SAMPLE
- SLUDGE SAMPLE
- SEEPAGE PIT AND SOIL BORING
- TT-4 TEST TRENCH
- SOIL BORING
- TT4-3(COMP) COMPOSITE SOIL SAMPLE LOCATION
- PIPE
- ST4-SL-1 DISCRETE SOIL SAMPLE LOCATION
- LIGHT POLE
- APPROXIMATE EXTENT OF EXCAVATION
- TP-9 TEST PIT
- SEPTIC TANK

TITLE: **WOC SOIL INVESTIGATION**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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DATE	01/12/04

FIGURE **4-1**

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N

0 5’ 10’

TEST
TRENCH
TT–1

SEPTIC TANK
LIMITS

ELECTRICAL
UTILITY POLE

TT1–SEP

DEPTH	4
PCE	66
1,1,2–TCA	98

ST1–BASE

DEPTH	10
ALL VOCS	ND

SEPTIC TANK
ST–1

ST1–SL8

DEPTH	8
TCE	210
PCE	92

TT1–SS1

DEPTH	4
ALL VOCS	ND
TOTAL CHROMIUM	100

BUILDING

BUILDING

EXPLANATION

- SOIL SAMPLE (HAND)
- SAMPLE OF TANK CONTENTS (HAND)
- PIPE

DEPTH	← SAMPLE DEPTH IN FEET
TCE	← SAMPLE RESULTS IN ug/kg
PCE	
1,1,2–TCA	
TOTAL CHROMIUM	← SAMPLE RESULTS IN mg/kg

TCE = Trichloroethene
PCE = Tetrachloroethene
1,1,2–TCA = 1,1,2–Trichloroethane

TITLE: **SEPTIC TANK ST-1 DETAIL**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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PROJECT	2209.002
DATE	02/12/04

FIGURE
4-2

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG-4-02 REV.dwg

BUILDING

SEPTIC TANK
ST-2

APPROXIMATE EXTENT OF EXCAVATION

ST2-SL	
DEPTH	4
TCE	300

ST2-SL-10	
DEPTH	10
TCE	57

ST2-BASE	
DEPTH	10
ALL VOCS	ND

DRYWELL

TEST
TRENCH
TT-2

BUILDING

N

0 10' 20'

EXPLANATION

- SAMPLE OF TANK CONTENTS (HAND)
- SOIL SAMPLE (HAND)

DEPTH
TCE

SOIL SAMPLE DEPTH IN FEET

SOIL SAMPLE RESULTS IN ug/Kg

PIPE

TCE = Trichloroethene

TITLE: **SEPTIC TANK ST-2 DETAIL**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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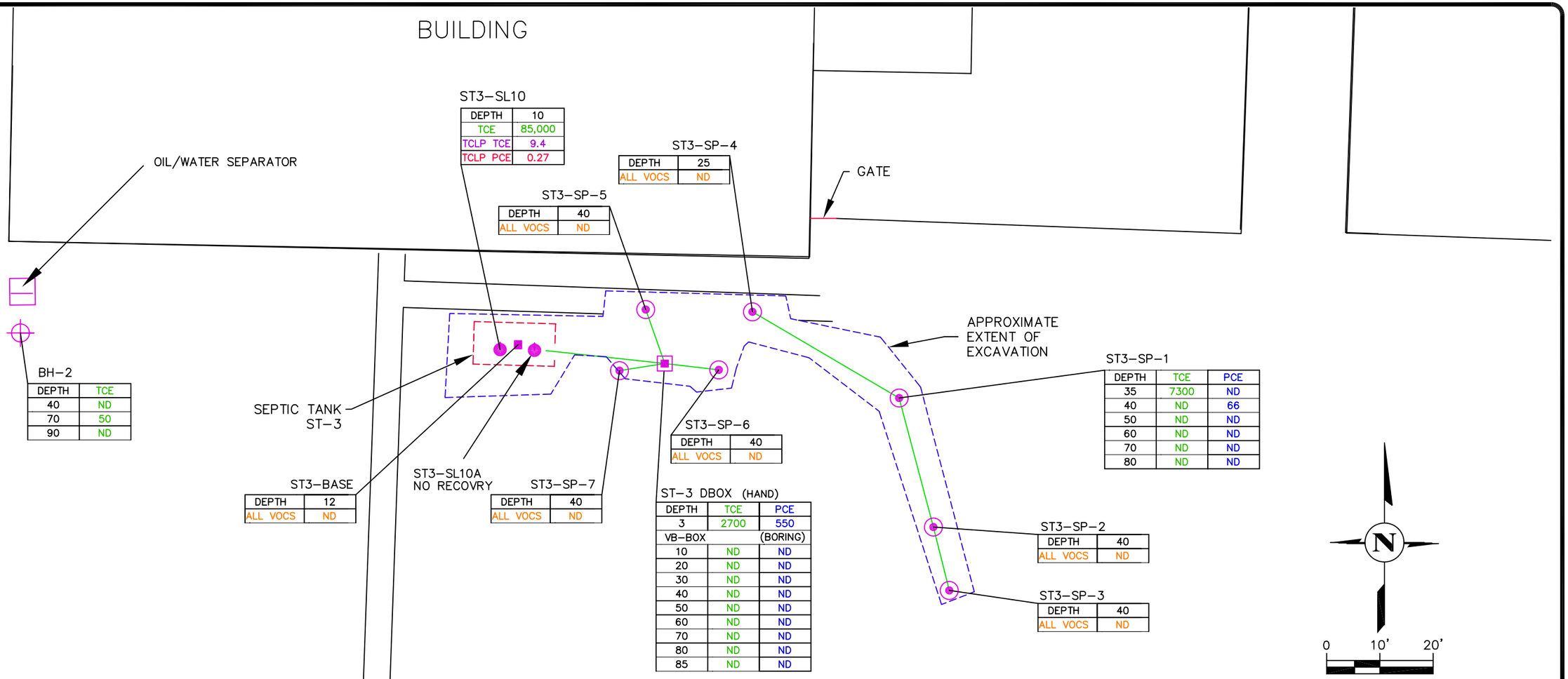
PROJECT	2209.002
DATE	02/12/04

FIGURE
4-3

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG-4-03 REV.dwg



EXPLANATION

DEPTH
TCE
PCE
TCLP TCE
TCLP PCE

SOIL SAMPLE DEPTH IN FEET

SOIL SAMPLE RESULTS IN ug/Kg

SOIL SAMPLE RESULTS IN ug/l

PIPING

SOIL BORING

DISTRIBUTION CHAMBER AND SOIL BORING

SEEPAGE PIT AND SOIL BORING

SOIL SAMPLE (HAND)

SAMPLE OF TANK CONTENTS (HAND)

TCLP = Toxicity Characteristic Leaching Procedure
TCE = Trichloroethene
PCE = Tetrachloroethene

TITLE: **SEPTIC TANK ST-3 DETAIL**

LOCATION: **UNITED INDUTSRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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DRAFTED	JLB
PROJECT	2209.002
DATE	02/12/04

FIGURE **4-4**

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG-4-04 REV.dwg

BUILDING

SEPTIC TANK
ST-4

ST4-SP-7

DEPTH	ALL VOCS
25	ND
30	ND
40	ND
50	ND
60	ND
70	ND

ST4-SP-6

DEPTH	25
ALL VOCS	ND

ST4-SL-1

DEPTH	4
ALL VOCS	ND

TT4-SS1

DEPTH	4
ALL VOCS	ND

ST4-SP-8

DEPTH	ALL VOCS
50	ND
55	ND
65	ND
75	ND

TEST
TRENCH
TT-4

ST4-SP-1

DEPTH	50
ALL VOCS	ND

ST4-SP-4

DEPTH	25
ALL VOCS	ND

ST5-BASE

DEPTH	8
ALL VOCS	ND

APPROXIMATE
EXTENT OF
EXCAVATION

ST5-SL

DEPTH	2
TCE	74

ST4-SP-5

DEPTH	ALL VOCS
25	ND
30	ND
40	ND
50	ND
60	ND
70	ND

SEPTIC TANK
ST5

APPROXIMATE
EXTENT OF
EXCAVATION

ST4-SP-9

DEPTH	25
ALL VOCS	ND

ST4-SP-10

DEPTH	3
TCE	28

ST4-SP-2

DEPTH	25
ALL VOCS	ND

ST4-SP-3

DEPTH	25
ALL VOCS	ND

TT4-SS2

DEPTH	3
ALL VOCS	ND

TEST
TRENCH
TT-4

WATER LINE

GAS LINE (BLUE STAKE)

N

0 10' 20'

Scale: 1"=20'

EXPLANATION

DEPTH
TCE

SOIL SAMPLE DEPTH IN FEET

SOIL SAMPLE RESULTS IN ug/kg

DEPTH
TCE

WATER SAMPLE DEPTH IN FEET

WATER SAMPLE RESULTS IN ug/L

PIPE

SEEPAGE PIT AND SOIL BORING

SOIL SAMPLE (HAND)

SAMPLE OF TANK CONTENTS (HAND)

TCE = Trichloroethene

TITLE: **SEPTIC TANK ST-4 AND ST-5 DETAIL**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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PROJECT	22093.002
DATE	02/12/04

FIGURE
4-5

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG-4-05 REV.dwg

STORAGE SHED

BUILDING

BH–1–103

DEPTH	TCE
10	51 ug/Kg
20	35 ug/Kg
30	81 ug/Kg
40	15 ug/Kg
50	ND
60	ND
70	220 ug/Kg
80	120 ug/Kg
85	110 ug/Kg

LS–6

DEPTH	6–INCHES
TCE	2020 ug/Kg

LAN–2

DEPTH	22–FEET
TCE	1100 ug/L

BH–1–101

DEPTH	TCE
10	74 ug/Kg
20	42 ug/Kg
30	60 ug/Kg
40	ND
50	ND
60	ND
70	310 ug/Kg
80	510 ug/Kg
85	79 ug/Kg

BH–1

DEPTH	TCE
20	160 ug/Kg
40	61 ug/Kg
70	920 ug/Kg

SB29

DEPTH	20–FEET
PCE	11 ug/Kg

LAN–9

DEPTH	23–FEET
TCE	230 ug/L

BH–1–102

DEPTH	TCE
10	27 ug/Kg
20	ND
30	71 ug/Kg
45	ND
50	ND
60	ND
70	260 ug/Kg
80	270 ug/Kg
85	480 ug/Kg

N

0 5' 10

Scale: 1"=10'

EXPLANATION

LOCATION OF PHASE I SOIL BORING

LOCATION OF PHASE II SOIL BORING

LOCATION OF HISTORICAL SOIL SAMPLES

DEPTH	23–FEET
PCE	11 ug/Kg

SOIL SAMPLE RESULTS

LOCATION OF HISTORIC SOIL GAS SAMPLES

TCE = Trichloroethene
PCE = Tetrachloroethene

TITLE: **BORING BH-1 DETAIL**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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PROJECT	2209.002
DATE	2/12/04

FIGURE **4-6**

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG-4-06 REV.dwg

BUILDING

OIL/WATER SEPARATOR

GATE

ST3-SP-4

ST3-SP-5

ST3-SP-6

ST3-SP-7

ST3-SP-1

ST3-SP-2

ST3-SP-3

APPROXIMATE EXTENT OF EXCAVATION

SEPTIC TANK ST-3

ST-3 DBOX (HAND)

GAS LINE

SIDE WALK

N

0 10' 20'

BH-2-101

DEPTH	TCE
10	ND
20	ND
30	ND
35	ND
40	ND
50	ND
60	ND
70	ND
80	ND

BH-2

DEPTH	TCE
40	ND
70	50
90	ND

BH-2-103

DEPTH	TCE
10	ND
20	ND
30	ND
40	ND
50	ND
60	ND
70	33
80	9.9

BH-2-102

DEPTH	TCE
10	ND
20	ND
30	ND
40	ND
50	ND
60	ND
70	ND
80	ND

SP-1-101

DEPTH	TCE
10	ND
20	ND
30	ND
40	ND
50	ND

ST3-SP-1

DEPTH	TCE
35	7300
40	ND
50	ND
60	ND
70	ND
80	ND

SP-1-102

DEPTH	TCE
10	ND
20	ND
30	ND
35	ND
40	ND
50	ND

SP-1-103

DEPTH	TCE
10	ND
20	ND
30	ND
35	ND
40	ND
50	ND

EXPLANATION

- LOCATION OF PHASE II SOIL BORING
- LOCATION OF PHASE I SOIL BORING
- PIPING
- DISTRIBUTION CHAMBER AND PHASE I SOIL BORING
- SOIL SAMPLE DEPTH IN FEET
- SOIL SAMPLE RESULTS IN ug/Kg
  - DEPTH
  - TCE
  - PCE
- SEEPAGE PIT AND PHASE I SOIL BORING

TCE = Trichloroethene

TITLE: **ST-3-1-ABD BH-2 DETAIL**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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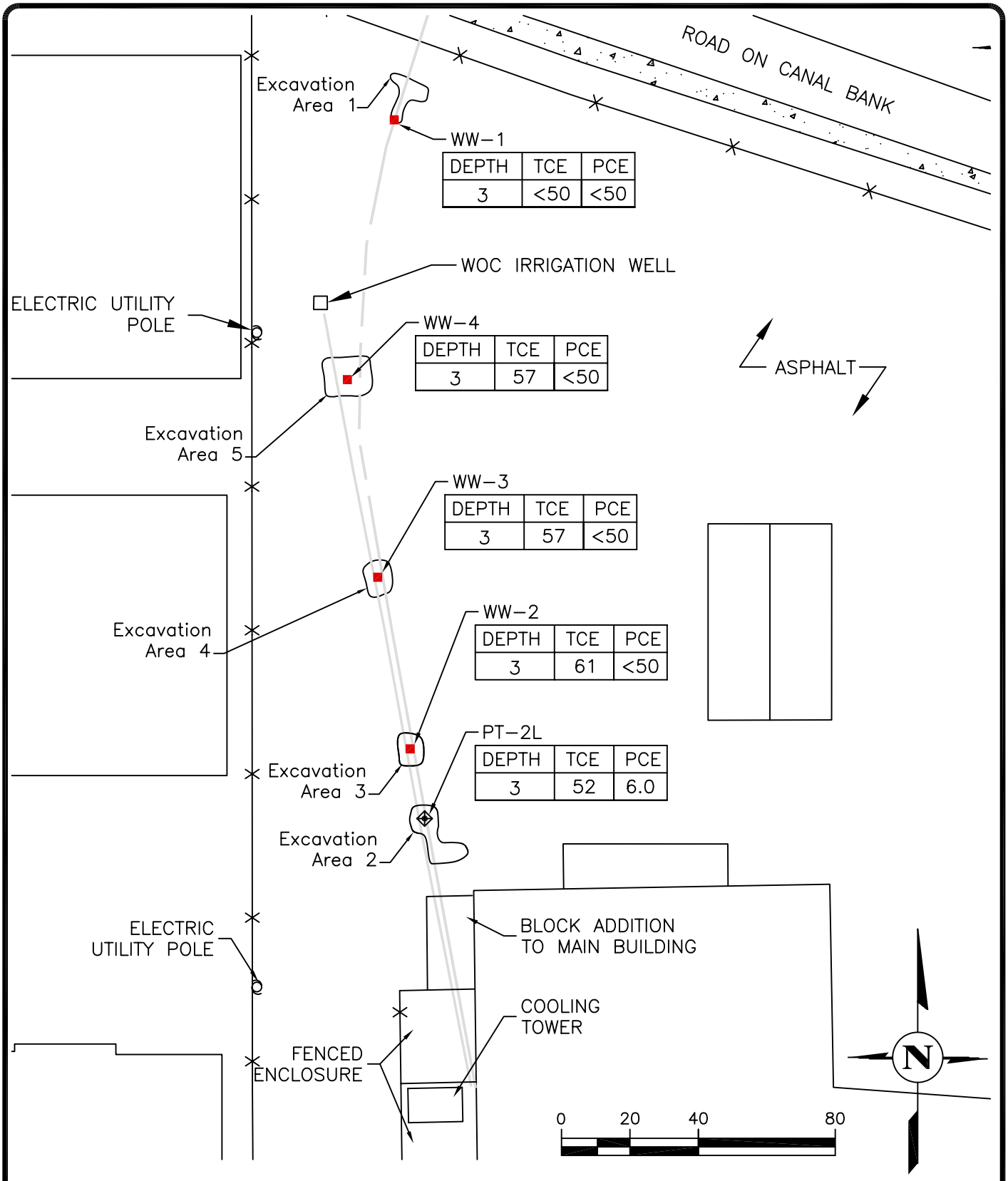
DRAFTED	JLB
PROJECT	2209.002
DATE	02/12/04

FIGURE **4-7**

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG-4-07 REV.dwg



EXPLANATION

- SOIL SAMPLE (HAND) LOCATION

DEPTH	TCE	PCE
3	57	<50

- SAMPLE DEPTH IN FEET AND SAMPLE RESULTS IN UG/KG

- WATER SAMPLE (HAND) LOCATION

DEPTH	TCE	PCE
3	52	6.0

- SAMPLE DEPTH IN FEET AND SAMPLE RESULTS IN UG/L

TCE = Trichloroethene
PCE = Tetrachloroethene

TITLE: **PIPE INVESTIGATION DETAIL**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

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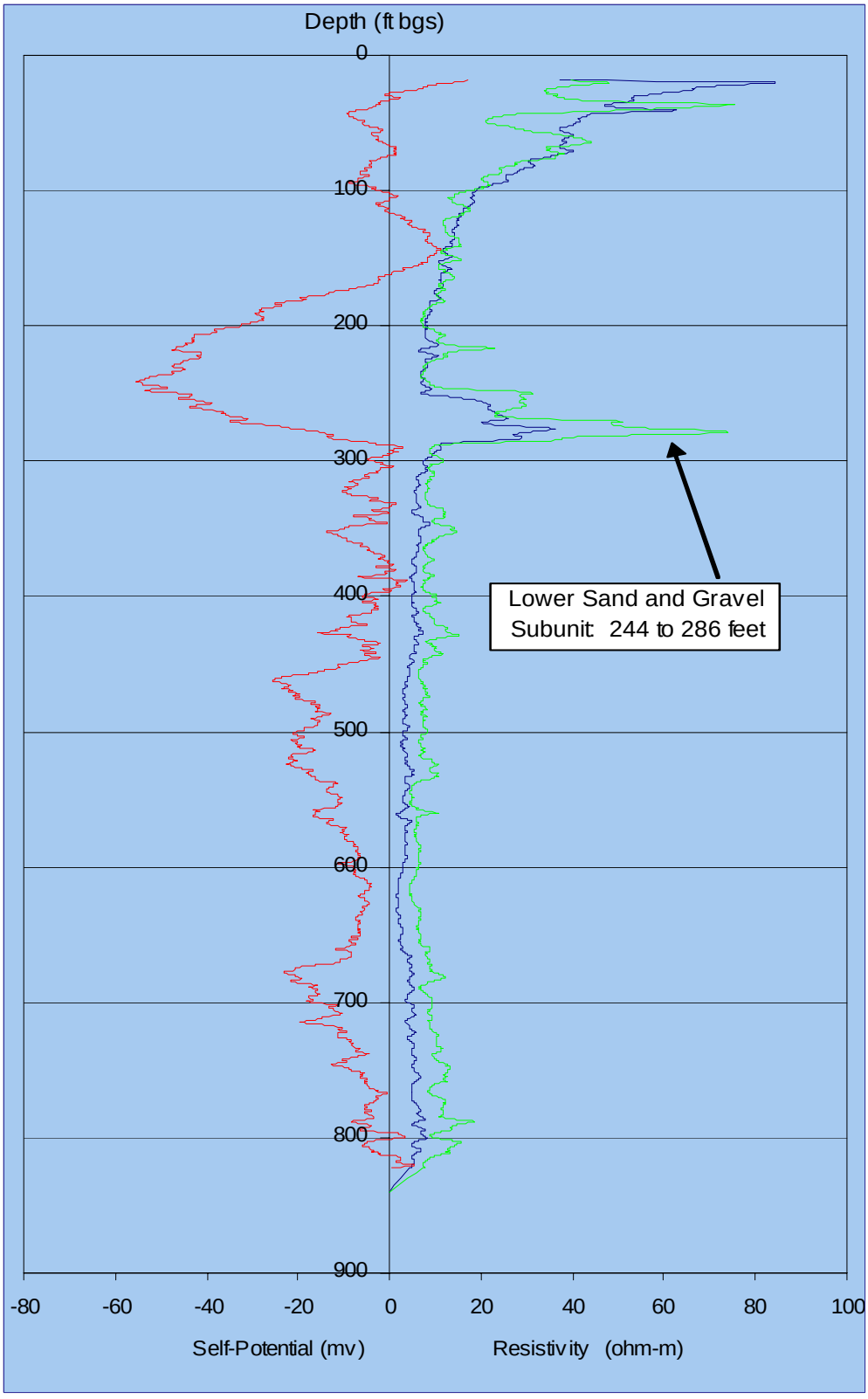
DRAFTED	JLB
PROJECT	2209.002
DATE	1/26/04

FIGURE **4-8**

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG-4-08 REV.dwg



File: M:/2209.002 UIC/RI/Revised RI Figs

TITLE:

GEOPHYSICAL LOG FOR PILOT HOLE AT MW-4

LOCATION:

UNITED INDUSTRIAL CORPORATION

GeoTrans, Inc.

CHECKED	JZ
DRAFTED	CG
PROJECT	2209.002
DATE	7/20/04

FIGURE

5-1

Well ID: WCP-12	
Compound	Conc. (ppb)
PCE	1.4
TCE	0.74
1,1-DCE	<0.5
VC	NS
GW Elev.	1028.37

Well ID: MW-3S	
Compound	Conc. (ppb)
PCE	<5.0
TCE	<5.0
1,1-DCE	<5.0
VC	<5.0
GW Elev.	1029.91

Well ID: MW-4S	
Compound	Conc. (ppb)
PCE	5.5
TCE	170
1,1-DCE	<5.0
VC	<5.0
GW Elev.	1016.19

Well ID: MW-7S	
Compound	Conc. (ppb)
PCE	<0.5
TCE	<0.5
1,1-DCE	<0.5
VC	<0.50
GW Elev.	1024.18

Well ID: MW-2S	
Compound	Conc. (ppb)
PCE	<0.5
TCE	2.9
1,1-DCE	<0.5
VC	<0.5
GW Elev.	1008.39

Well ID: MW-6S	
Compound	Conc. (ppb)
PCE	<0.5
TCE	<0.5
1,1-DCE	<0.5
VC	<0.5
GW Elev.	995.82

Well ID: WCP-3	
Compound	Conc. (ppb)
PCE	<0.5
TCE	0.68
1,1-DCE	<0.5
VC	ND
GW Elev.	1002.22

Well ID: WCP-14	
Compound	Conc. (ppb)
PCE	<0.5
TCE	<0.5
1,1-DCE	<0.5
VC	ND
GW Elev.	1017.89

Well ID: MW-1S	
Compound	Conc. (ppb)
PCE	<1.3
TCE	58
1,1-DCE	<1.3
VC	<1.3
GW Elev	1001.99

Well ID: WCP-8	
Compound	Conc. (ppb)
PCE	<0.5
TCE	<0.5
1,1-DCE	<0.5
VC	ND
GW Elev.	1001.01

Well ID: WCP-4	
Compound	Conc. (ppb)
PCE	<0.5
TCE	0.76
1,1-DCE	<0.5
VC	ND
GW Elev.	996.92

Well ID: MW-5S	
Compound	Conc. (ppb)
PCE	3.4
TCE	97
1,1-DCE	14
VC	<2.5
GW Elev.	1005.52

Well ID: WCP-10	
Compound	Conc. (ppb)
PCE	<0.5
TCE	29
1,1-DCE	<0.5
VC	ND
Gw Elev.	994.67

Well ID: WCP-11	
Compound	Conc. (ppb)
PCE	<0.5
TCE	2.1
1,1-DCE	<0.5
VC	ND
GW Elev.	999.21

Explanation

- Deep Groundwater Monitoring Wells
- Intermediate Groundwater Monitoring Wells
- Shallow Groundwater Monitoring Wells
- 995 — Groundwater Elevation Isopleth
- WCP Wells
- ARCO Well
- Production Well

PCE = Tetrachloroethylene
TCE = Trichloroethylene
DCE = Dichloroethylene
VC = Vinyl Chloride

GW Elev. = Groundwater Elevation (Feet Above Mean Sea Level for August 1997)

Approximate Direction of Groundwater Gradient

0 1000 2000
APPROXIMATE SCALE IN FEET

TITLE: UIC GROUNDWATER MONITORING
SHALLOW WELL VOC RESULTS, NOVEMBER 1997

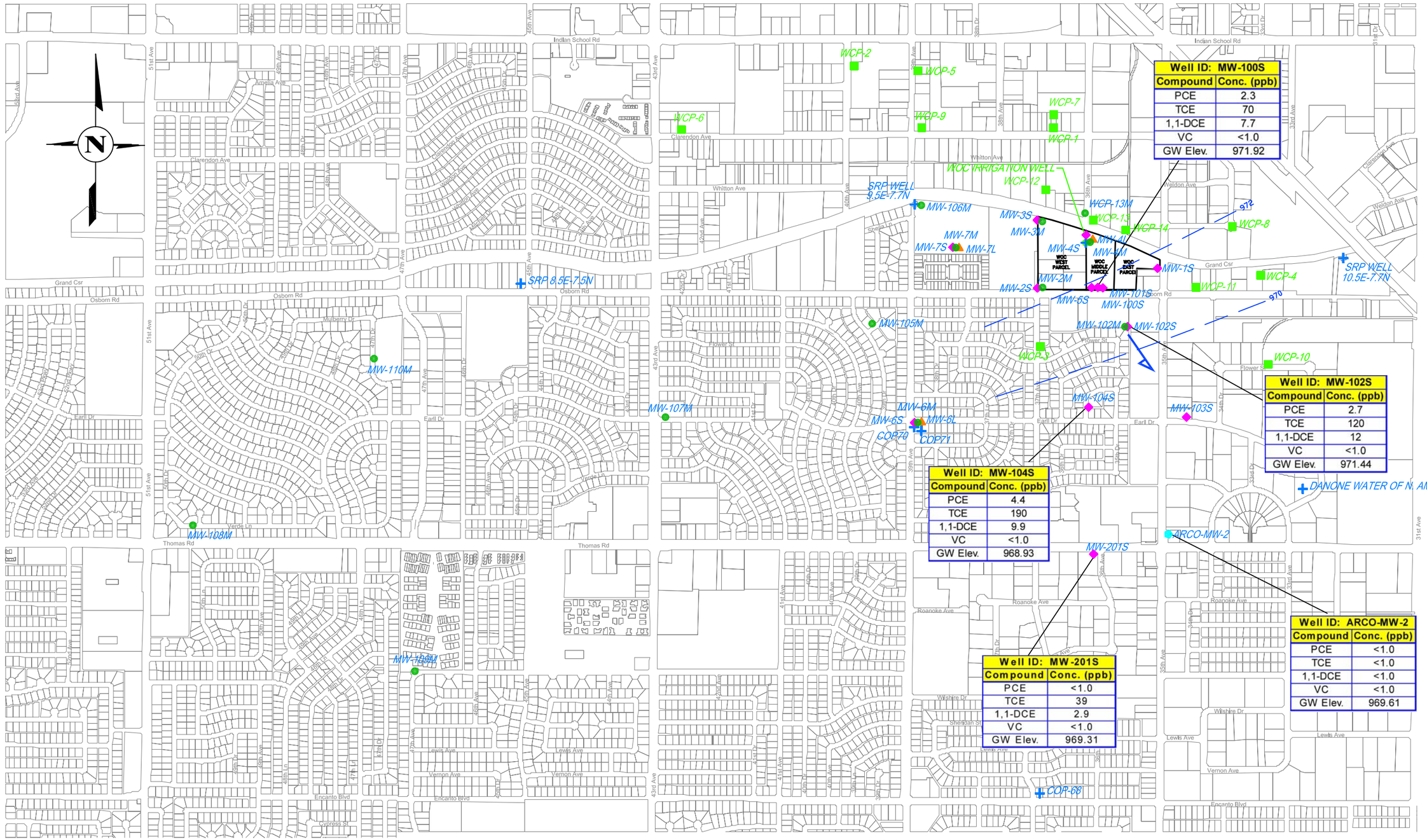
LOCATION: UNITED INDUSTRIAL CORPORATION

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2209.002
DATE	02/11/04

FIGURE 5-2

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG 5-2 UIC shallow VOCs Nov. 1997



Explanation

- Deep Groundwater Monitoring Wells
- Intermediate Groundwater Monitoring Wells
- Shallow Groundwater Monitoring Wells
- 970 Groundwater Elevation Isopleth
- WCP Wells
- ARCO Well
- Production Well

PCE = Tetrachloroethylene
TCE = Trichloroethylene
DCE = Dichloroethylene
VC = Vinyl Chloride
GW Elev. = Groundwater Elevation (Feet Above Sea Level)

Approximate Direction of Groundwater Gradient

0 1000 2000
APPROXIMATE SCALE IN FEET

TITLE: UIC GROUNDWATER MONITORING SHALLOW WELL VOC RESULTS, JUNE 2003

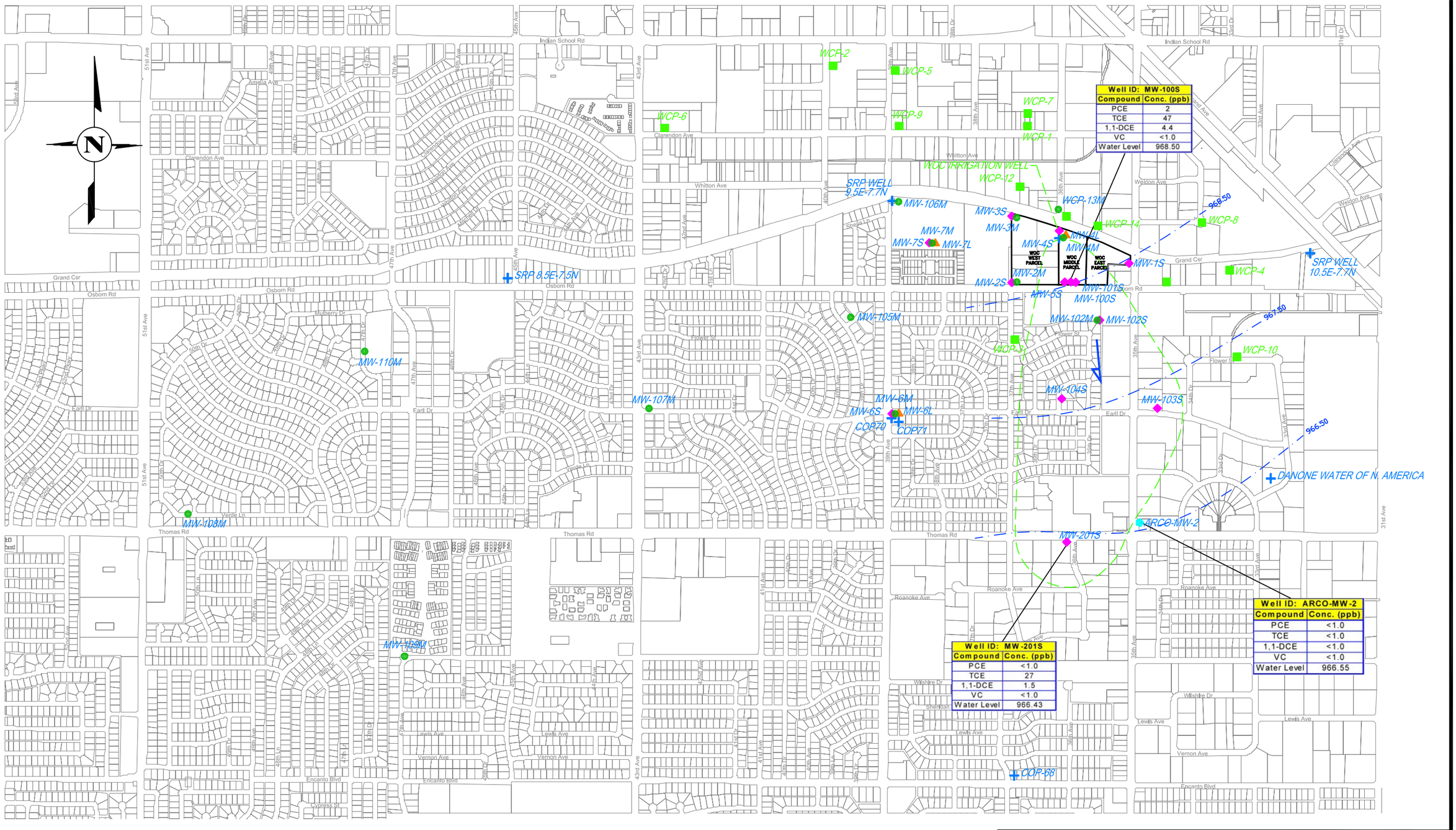
LOCATION: UNITED INDUSTRIAL CORPORATION

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2209.002
DATE	02/11/04

FIGURE 5-3

P:\ACAD dwg-library\2209.002 UIC\RI figs\ FIG 5-3 UIC shallow VOCs June 2003.dwg



Explanation

- Deep Groundwater Monitoring Wells
- Intermediate Groundwater Monitoring Wells
- Shallow Groundwater Monitoring Wells
- 966.50 — · — Groundwater Elevation Isopleth
- WCP Wells
- ARCO Well
- Prodution Well
- — — — Estimated Location of 5 ug/l TCE Concentration Contour

PCE = Tetrachloroethylene
TCE = Trichloroethylene
DCE = Dichloroethylene
VC = Vinyl Chloride

GW Elev. = Groundwater Elevation (Feet Above Sea Level)

Approximate Direction of Groundwater Gradient

0 1000 2000
APPROXIMATE SCALE IN FEET

TITLE: **UIC GROUNDWATER MONITORING SHALLOW WELL VOC RESULTS, JAN. 2004**

LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2209.002
DATE	02/11/04

FIGURE **5-4**

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG 5-4 UIC shallow VOCs Jan. 2004

Well ID: MW-3M	
Compound	Conc. (ppb)
PCE	<0.5
TCE	<0.5
1,1-DCE	<0.5
VC	<0.5
GW Elev.	991.31

Well ID: MW-4M	
Compound	Conc. (ppb)
PCE	<0.5
TCE	8.3
1,1-DCE	<0.5
VC	<0.5
GW Elev.	992.34

Well ID: MW-7M	
Compound	Conc. (ppb)
PCE	<0.5
TCE	6.8
1,1-DCE	0.52
VC	<0.5
GW Elev.	989.13

Well ID: MW-2M	
Compound	Conc. (ppb)
PCE	<2.5
TCE	120
1,1-DCE	<2.5
VC	<2.5
GW Elev.	987.41

Well ID: MW-6M	
Compound	Conc. (ppb)
PCE	<0.5
TCE	8.3
1,1-DCE	<0.5
VC	<0.5
GW Elev.	984.91

Explanation

- Deep Groundwater Monitoring Wells
- Intermediate Groundwater Monitoring Wells
- Shallow Groundwater Monitoring Wells
- 986 Groundwater Elevation Isopleth
- WCP Wells
- ARCO Well
- Production Well

PCE = Tetrachloroethylene
DCE = Dichloroethylene
TCE = Trichloroethylene
VC = Vinyl Chloride
GW Elev. = Groundwater Elevation (Feet Above Sea Level)

Approximate Direction of Groundwater Gradient

0 1000 2000
APPROXIMATE SCALE IN FEET

TITLE: UIC GROUNDWATER MONITORING LSGS WELL VOC RESULTS, NOV. 1997

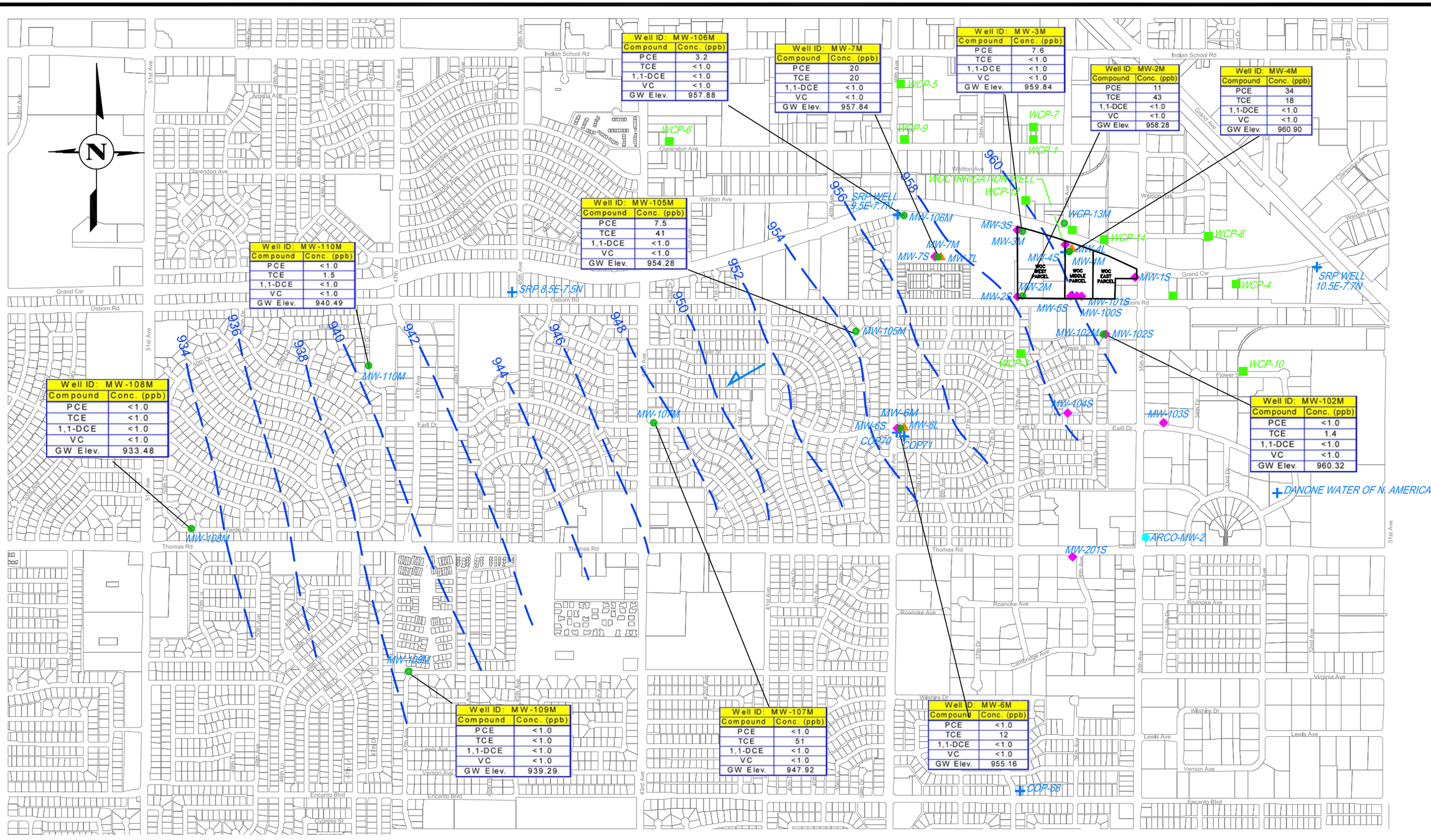
LOCATION: UNITED INUSTRIAL CORPORATION

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2209.002
DATE	02/11/04

FIGURE 5-5

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG 5-5 UIC LSGS VOCs Nov. 1997.dwg



Well ID: MW-106M	
Compound	Conc. (ppb)
PCE	3.2
TCE	<1.0
1,1-DCE	<1.0
VC	<1.0
GW Elev.	957.88

Well ID: MW-7M	
Compound	Conc. (ppb)
PCE	20
TCE	20
1,1-DCE	<1.0
VC	<1.0
GW Elev.	957.84

Well ID: MW-3M	
Compound	Conc. (ppb)
PCE	7.6
TCE	<1.0
1,1-DCE	<1.0
VC	<1.0
GW Elev.	959.84

Well ID: MW-2M	
Compound	Conc. (ppb)
PCE	11
TCE	43
1,1-DCE	<1.0
VC	<1.0
GW Elev.	958.28

Well ID: MW-4M	
Compound	Conc. (ppb)
PCE	34
TCE	18
1,1-DCE	<1.0
VC	<1.0
GW Elev.	960.90

Well ID: MW-105M	
Compound	Conc. (ppb)
PCE	7.5
TCE	41
1,1-DCE	<1.0
VC	<1.0
GW Elev.	954.28

Well ID: MW-110M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	1.5
1,1-DCE	<1.0
VC	<1.0
GW Elev.	940.49

Well ID: MW-108M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	<1.0
1,1-DCE	<1.0
VC	<1.0
GW Elev.	933.48

Well ID: MW-102M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	1.4
1,1-DCE	<1.0
VC	<1.0
GW Elev.	960.32

Well ID: MW-109M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	<1.0
1,1-DCE	<1.0
VC	<1.0
GW Elev.	939.29

Well ID: MW-107M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	51
1,1-DCE	<1.0
VC	<1.0
GW Elev.	947.92

Well ID: MW-6M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	12
1,1-DCE	<1.0
VC	<1.0
GW Elev.	955.16

Explanation

- Deep Groundwater Monitoring Wells
- Intermediate Groundwater Monitoring Wells
- Shallow Groundwater Monitoring Wells
- 934 — — Groundwater Elevation Isopleth
- WCP Wells
- ARCO Well
- Production Well

PCE = Tetrachloroethylene
DCE = Dichloroethylene
TCE = Trichloroethylene
VC = Vinyl Chloride

GW Elev. = Groundwater Elevation (Feet Above Sea Level)

Approximate Direction of Groundwater Gradient

0 1000 2000
APPROXIMATE SCALE IN FEET

TITLE: UIC GROUNDWATER MONITORING
LSGS WELL VOC RESULTS, JUNE 2003

LOCATION: UNITED INDUSTRIAL CORPORATION

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2209.002
DATE	02/09/04

FIGURE 5-6

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG 5-6 UIC LSGS VOCs June 2003.dwg

Well ID: MW-106M	
Compound	Conc. (ppb)
PCE	3
TCE	<1.0
1,1-DCE	<1.0
VC	<1.0
GW Elev.	956.84

Well ID: MW-3M	
Compound	Conc. (ppb)
PCE	9.6
TCE	<1.0
1,1-DCE	<1.0
VC	<1.0
GW Elev.	959.18

Well ID: MW-2M	
Compound	Conc. (ppb)
PCE	11
TCE	45
1,1-DCE	<1.0
VC	<1.0
GW Elev.	N. M.

Well ID: MW-4M	
Compound	Conc. (ppb)
PCE	27
TCE	14
1,1-DCE	<1.0
VC	<1.0
GW Elev.	960.17

Well ID: MW-7M	
Compound	Conc. (ppb)
PCE	20
TCE	22
1,1-DCE	1.9
VC	<1.0
GW Elev.	957.22

Well ID: MW-110M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	1.1
1,1-DCE	<1.0
VC	<1.0
GW Elev.	940.49

Well ID: MW-105M	
Compound	Conc. (ppb)
PCE	8.9
TCE	36
1,1-DCE	<1.0
VC	<1.0
GW Elev.	953.91

Well ID: MW-108M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	1.6
DCE	<1.0
VC	<1.0
GW Elev.	933.48

Well ID: MW-102M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	1.1
1,1-DCE	<1.0
VC	<1.0
GW Elev.	959.31

Well ID: MW-107M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	54
1,1-DCE	1.5
VC	<1.0
GW Elev.	947.92

Well ID: MW-6M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	19
1,1-DCE	<1.0
VC	<1.0
GW Elev.	954.61

Well ID: MW-109M	
Compound	Conc. (ppb)
PCE	<1.0
TCE	<1.0
1,1-DCE	<1.0
VC	<1.0
GW Elev.	939.29

WCP-2 WCP-5 WCP-6 WCP-9 WCP-7 WCP-1 WCP-12 WCP-13M WCP-14 WCP-8 WCP-4 WCP-3 WCP-10

WOC IRRIGATION WELL

SRP WELL 9.5E-7.7N

SRP WELL 10.5E-7.7N

SRP 8.5E-7.5N

DANONE WATER OF N. AMERICA

ARCO-MW-2

COP-68

MW-106M MW-3S MW-3M MW-3L MW-7M MW-7S MW-7L MW-4S MW-4M MW-2M MW-2S MW-1S MW-5S MW-101S MW-103S MW-105M MW-102M MW-102S MW-110M MW-107M MW-6M MW-6S MW-6L MW-104S MW-103S MW-108M MW-109M MW-201S

COP70 COP71

WOC WEST PARCEL WOC MIDDLE PARCEL WOC EAST PARCEL

Indian School Rd Osborn Rd Thomas Rd Grand Csr Clarendon Ave Amelia Ave Whitton Ave Weldon Ave Flower St Earll Dr Roanoke Ave Wilshire Dr Lewis Ave Vernon Ave Encanto Blvd Cypress St Verde Ln Mulberry Dr Cambridge Ave Sheridan St Virginia Ave

Explanation

- Deep Groundwater Monitoring Wells
- Intermediate Groundwater Monitoring Wells
- Shallow Groundwater Monitoring Wells
- 934 — — Groundwater Elevation Isopleth
- WCP Wells
- ARCO Well
- Production Well
- Estimated PCE 5 ug/l Concentration
- Estimated TCE 5 ug/l Concentration

PCE = Tetrachloroethylene TCE = Trichloroethylene
DCE = Dichloroethylene VC = Vinyl Chloride
GW Elev. = Groundwater Elevation (Feet Above Mean Sea Level)

Approximate Direction of Groundwater Gradient

0 1000 2000
APPROXIMATE SCALE IN FEET

TITLE: UIC GROUNDWATER MONITORING
LSGS WELL VOC RESULTS, JAN, 2004

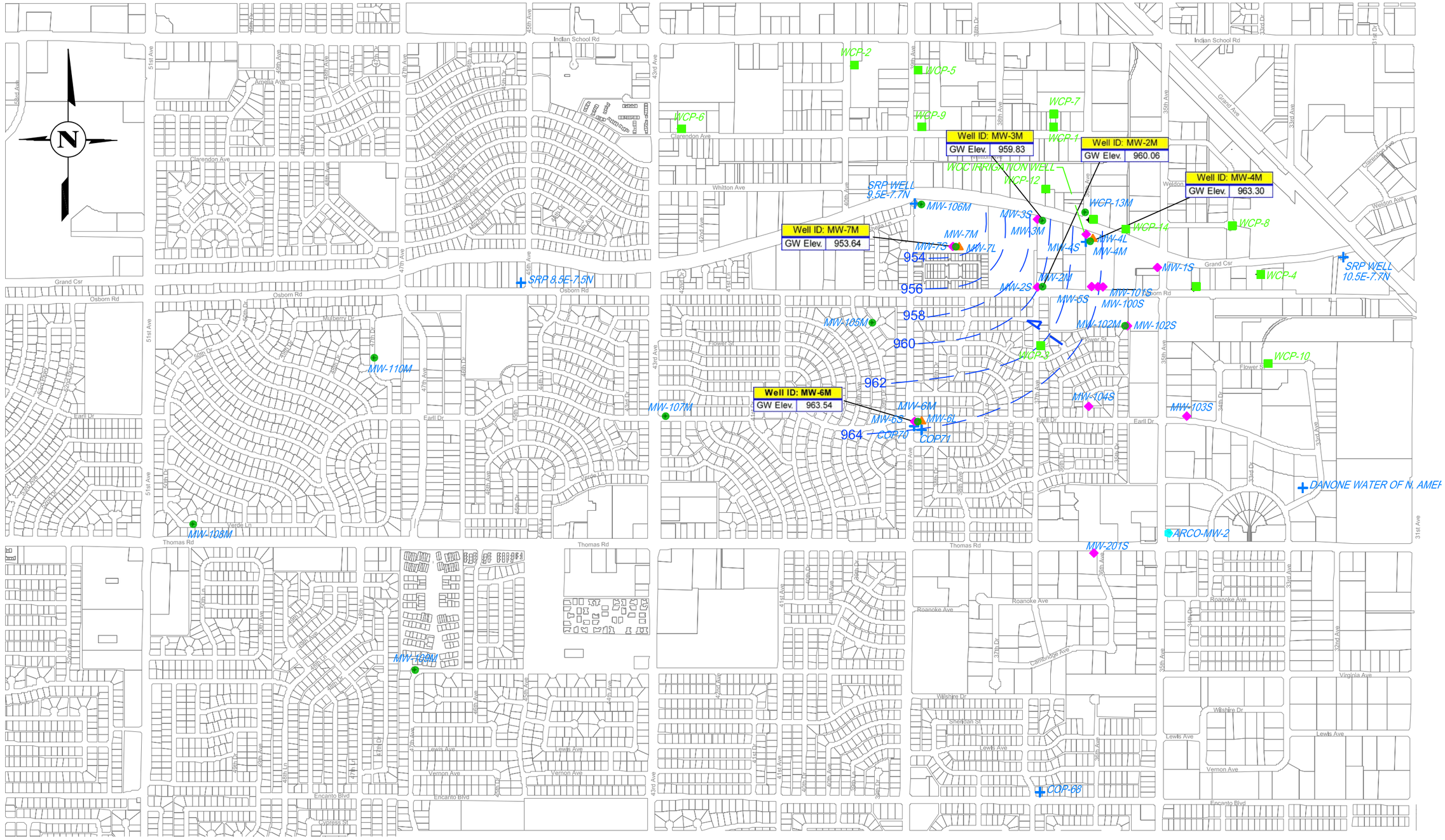
LOCATION: UNITED INDUSTRIAL CORPORATION

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2009.002
DATE	02/11/04

FIGURE 5-7

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG 5-7 UIC LSGS VOCs Jan. 2004.dwg



Explanation

- Deep Groundwater Monitoring Wells
- Intermediate Groundwater Monitoring Wells
- Shallow Groundwater Monitoring Wells
- 966.50 Groundwater Elevation Isopleth
- WCP Wells
- ARCO Well
- Production Well

Approximate Direction of Groundwater Gradient

GW Elev. = Groundwater Elevation (Feet Above Mean Sea Level)

0 1000 2000

APPROXIMATE SCALE IN FEET

TITLE: **UIC GROUNDWATER MONITORING LSGS GROUNWATER ELEVATION, JUNE 1997**

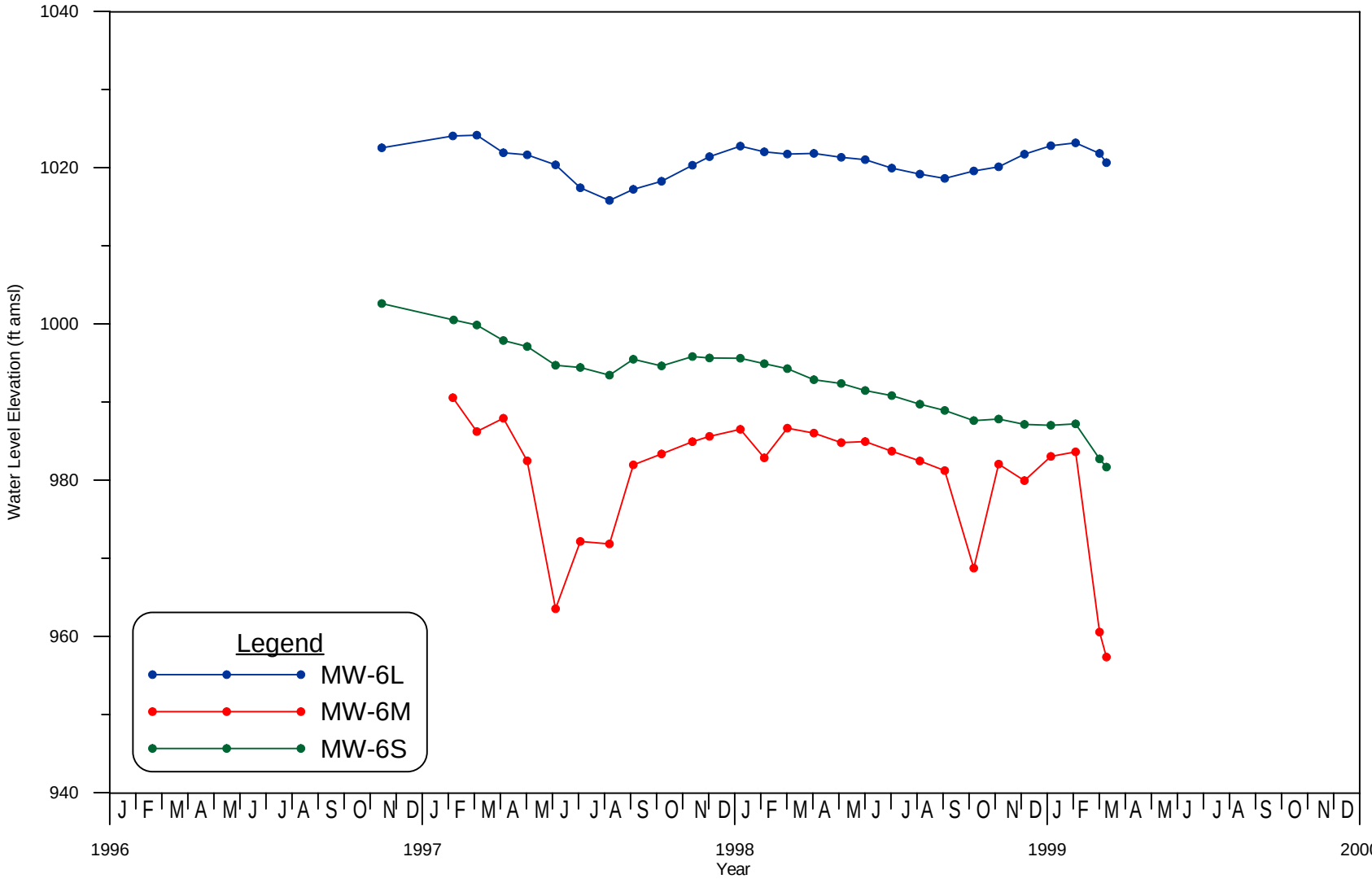
LOCATION: **UNITED INDUSTRIAL CORPORATION**

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	SB
DRAFTED	JLB
PROJECT	2209.002
DATE	02/22/04

FIGURE **5-8**

P:\ACAD\dwg-library\2209.002 UIC\RI figs\FIG 5-8 GW Elev. June 1997.dwg

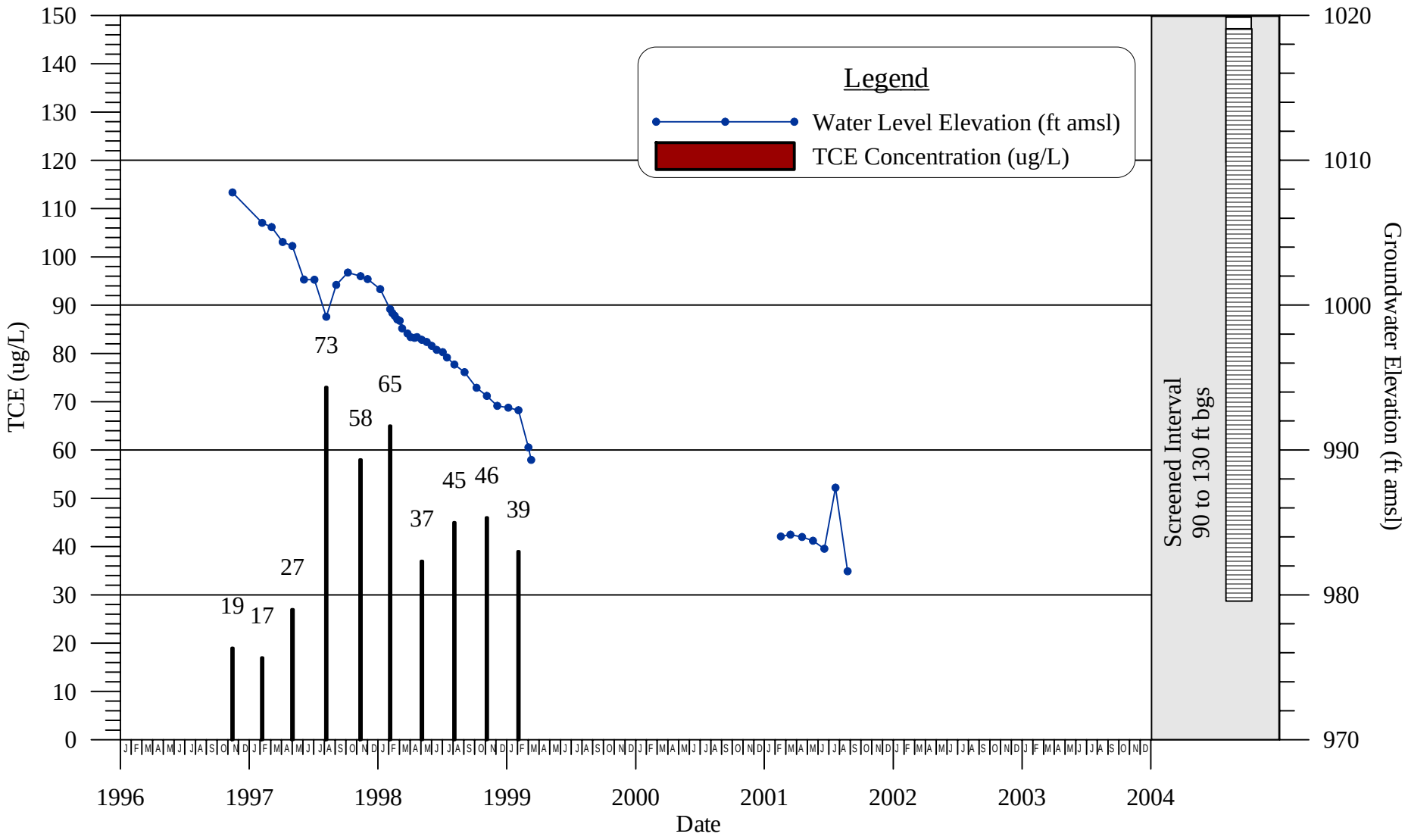


path: M:/2209.002 UIC/RI FIGS/ | art: Gutmann | checked: Brooks

GeoTrans, Inc.

MW-6S, MW-6M, MW-6L
WATER LEVEL ELEVATIONS
UNITED INDUSTRIAL CORPORATION

Figure
5-9



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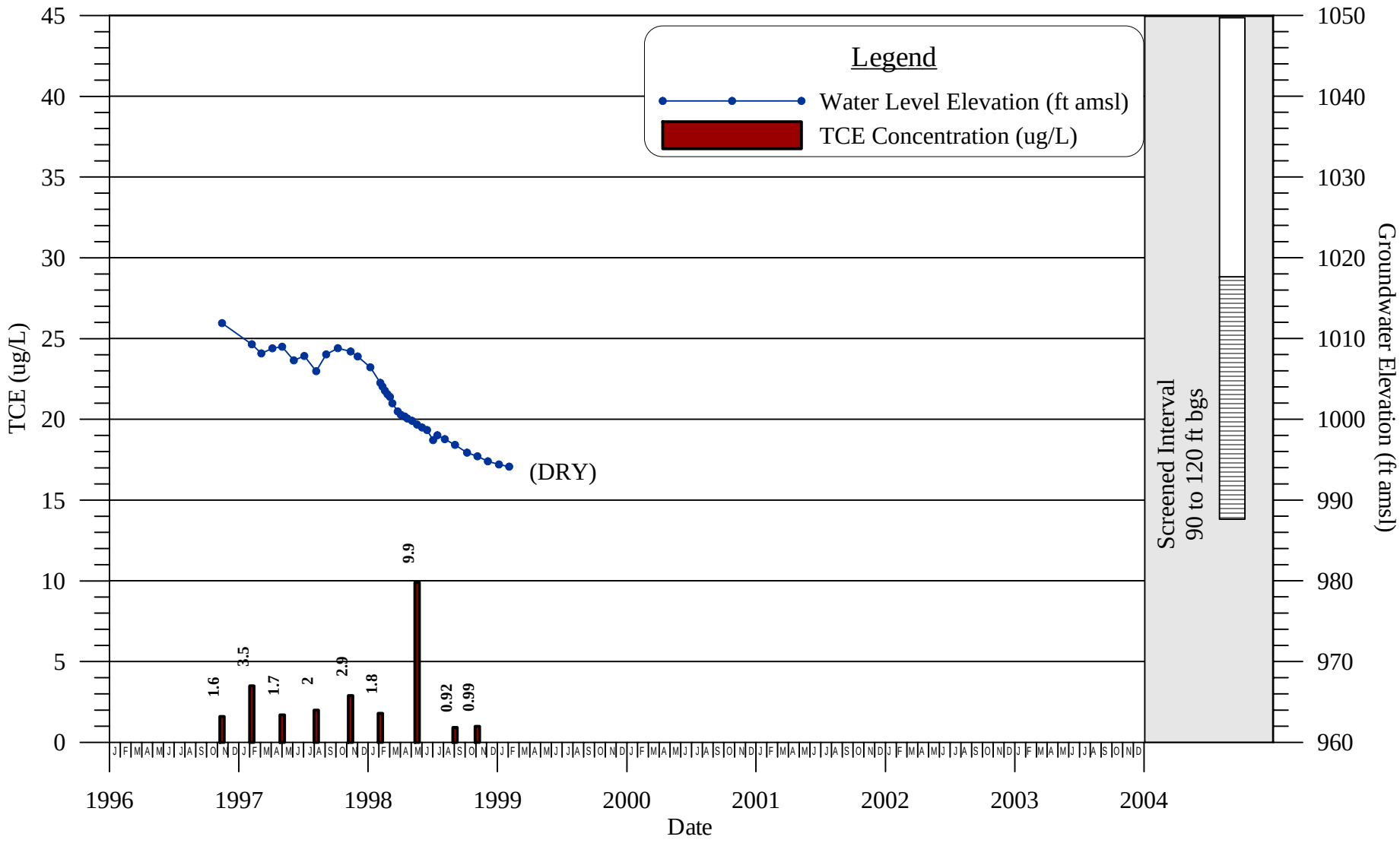
GeoTrans, Inc.

MW-1S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-10



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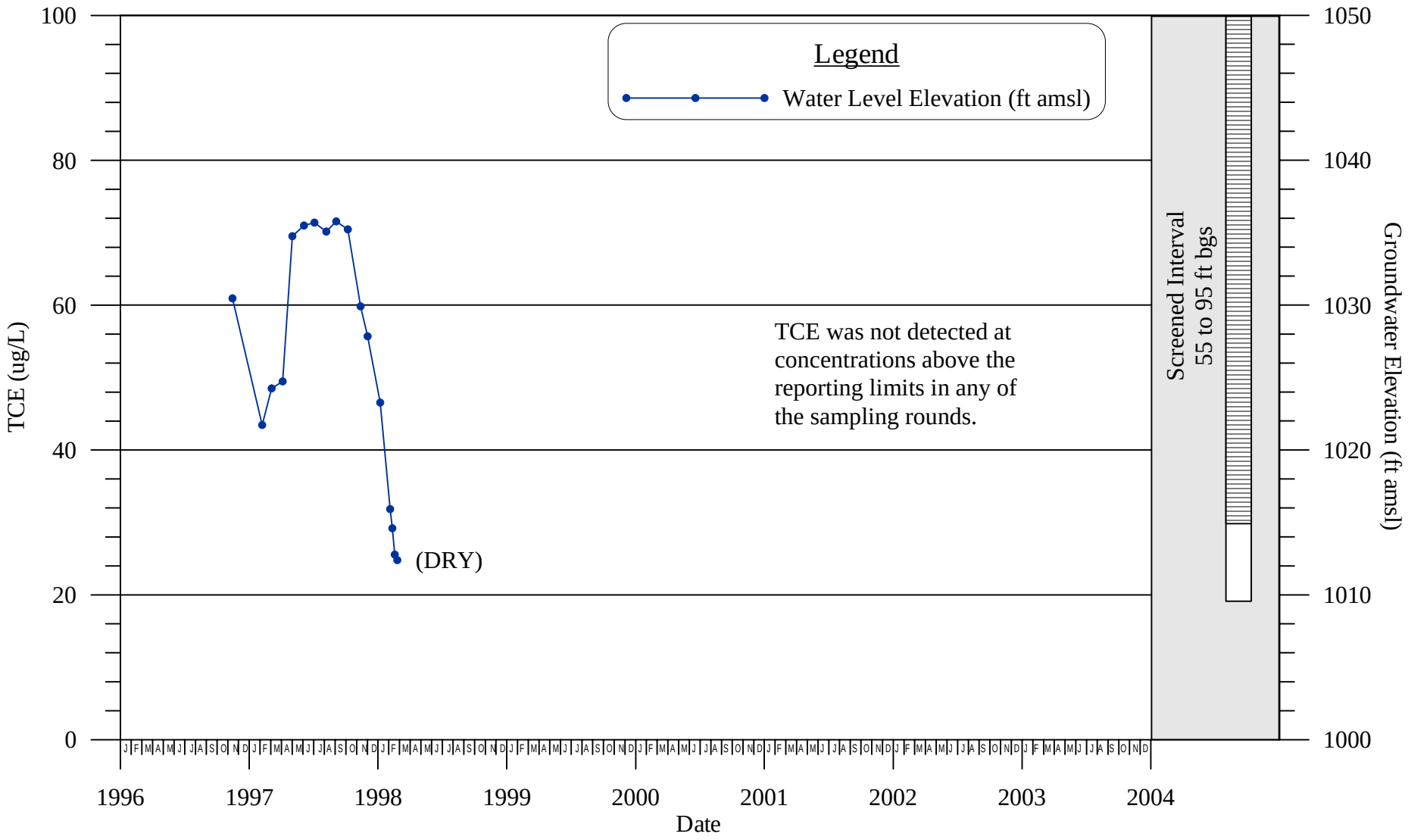
GeoTrans, Inc.

MW-2S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-11



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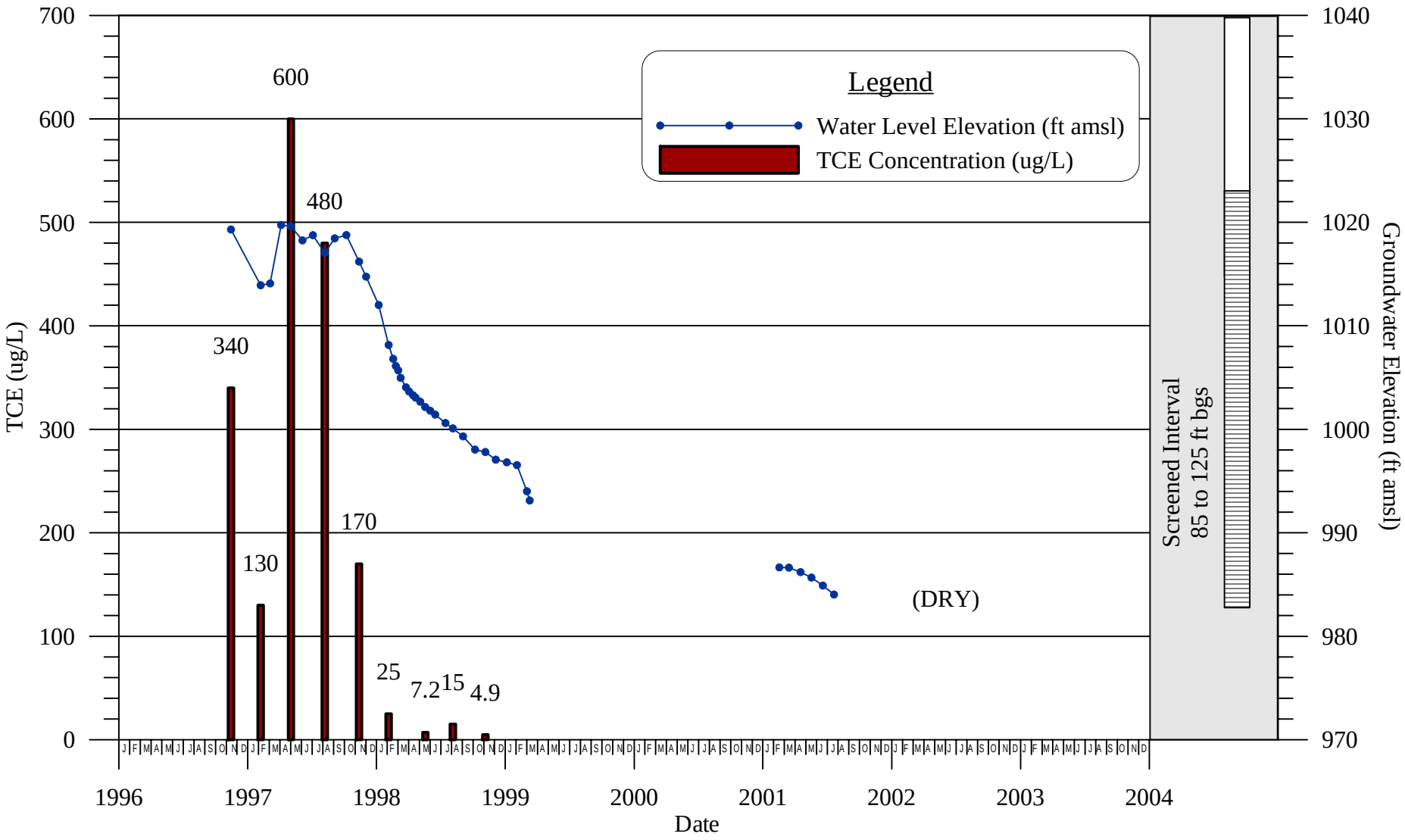
GeoTrans, Inc.

MW-3S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-12



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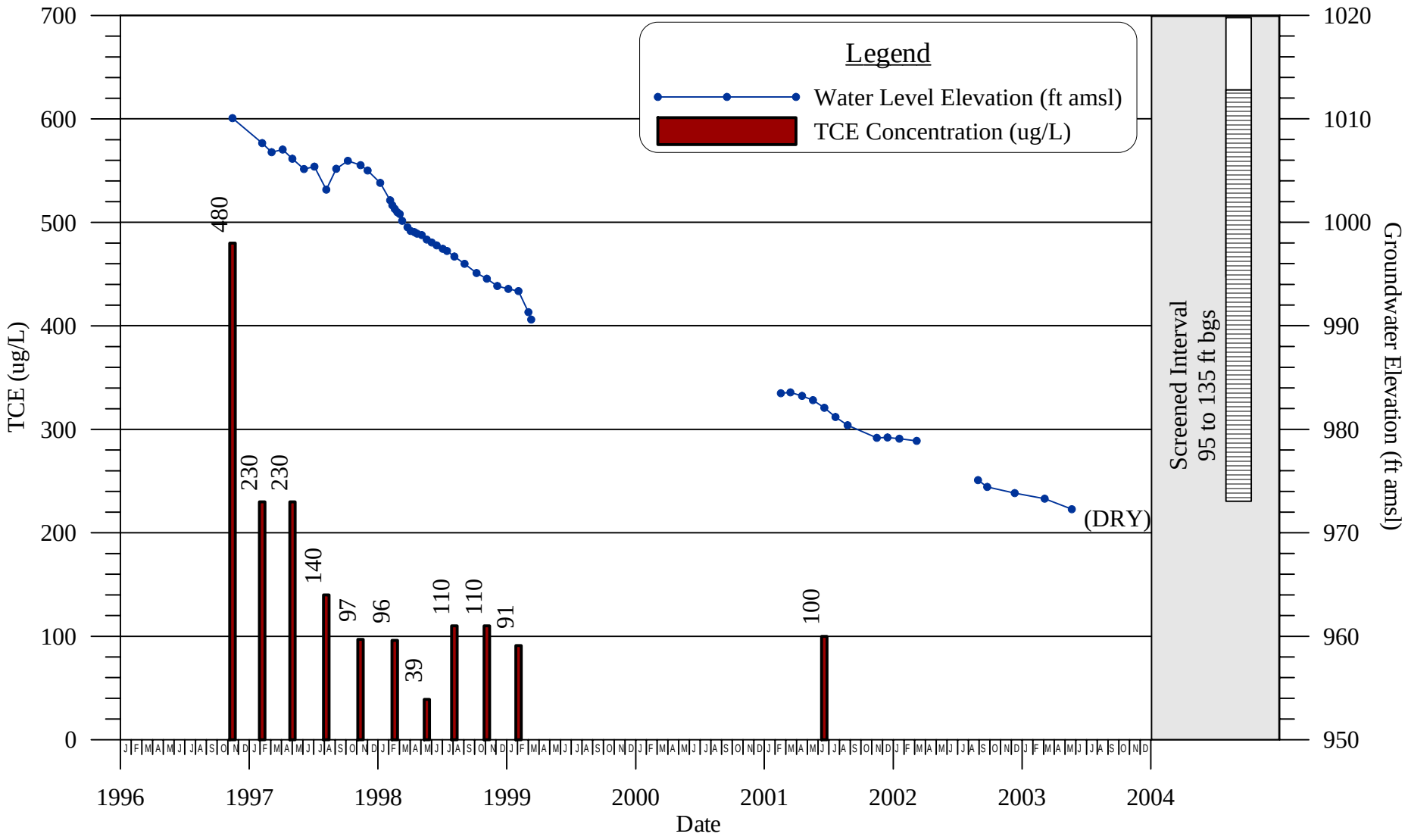
GeoTrans, Inc.

MW-4S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-13



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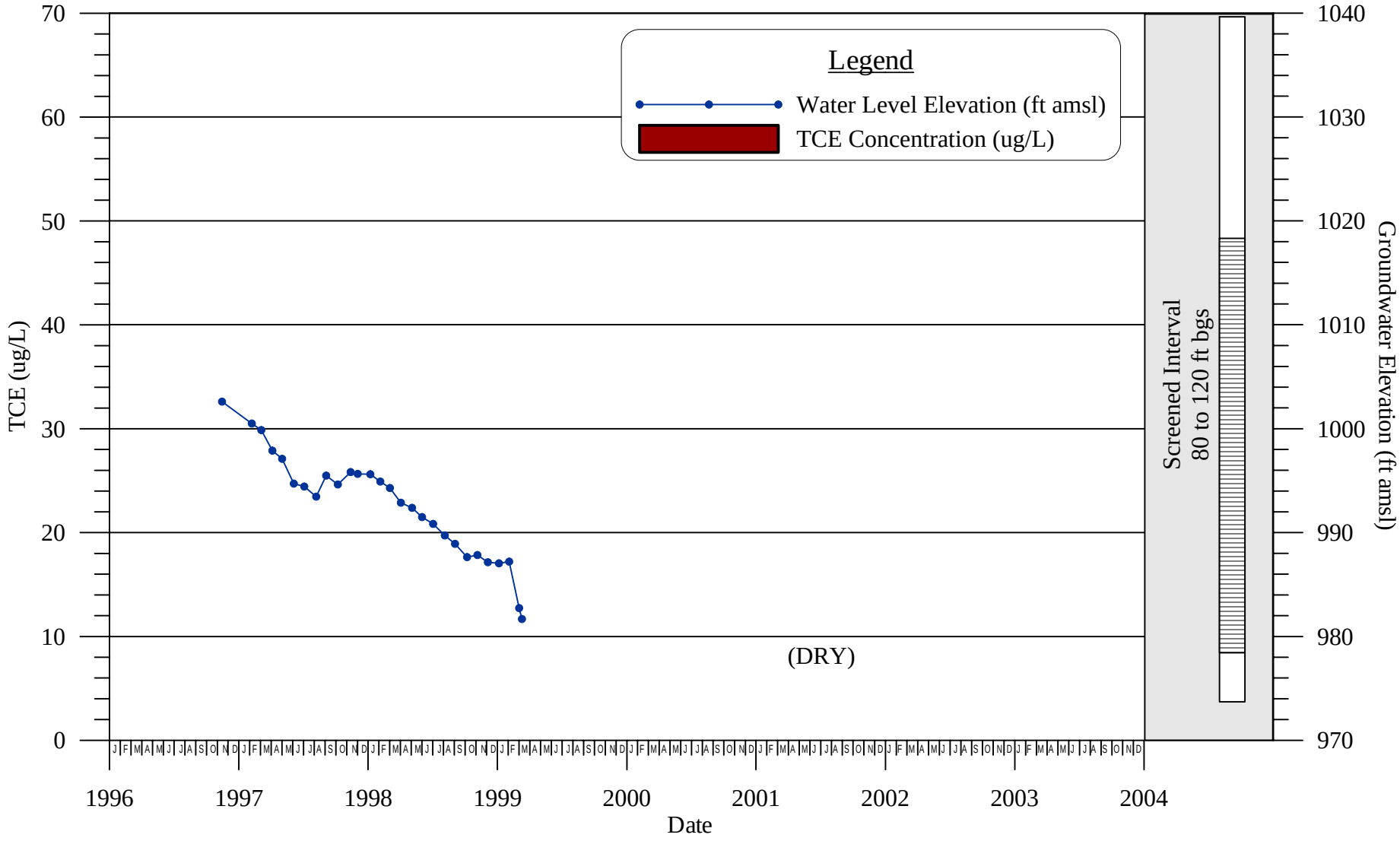
GeoTrans, Inc.

MW-5S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-14



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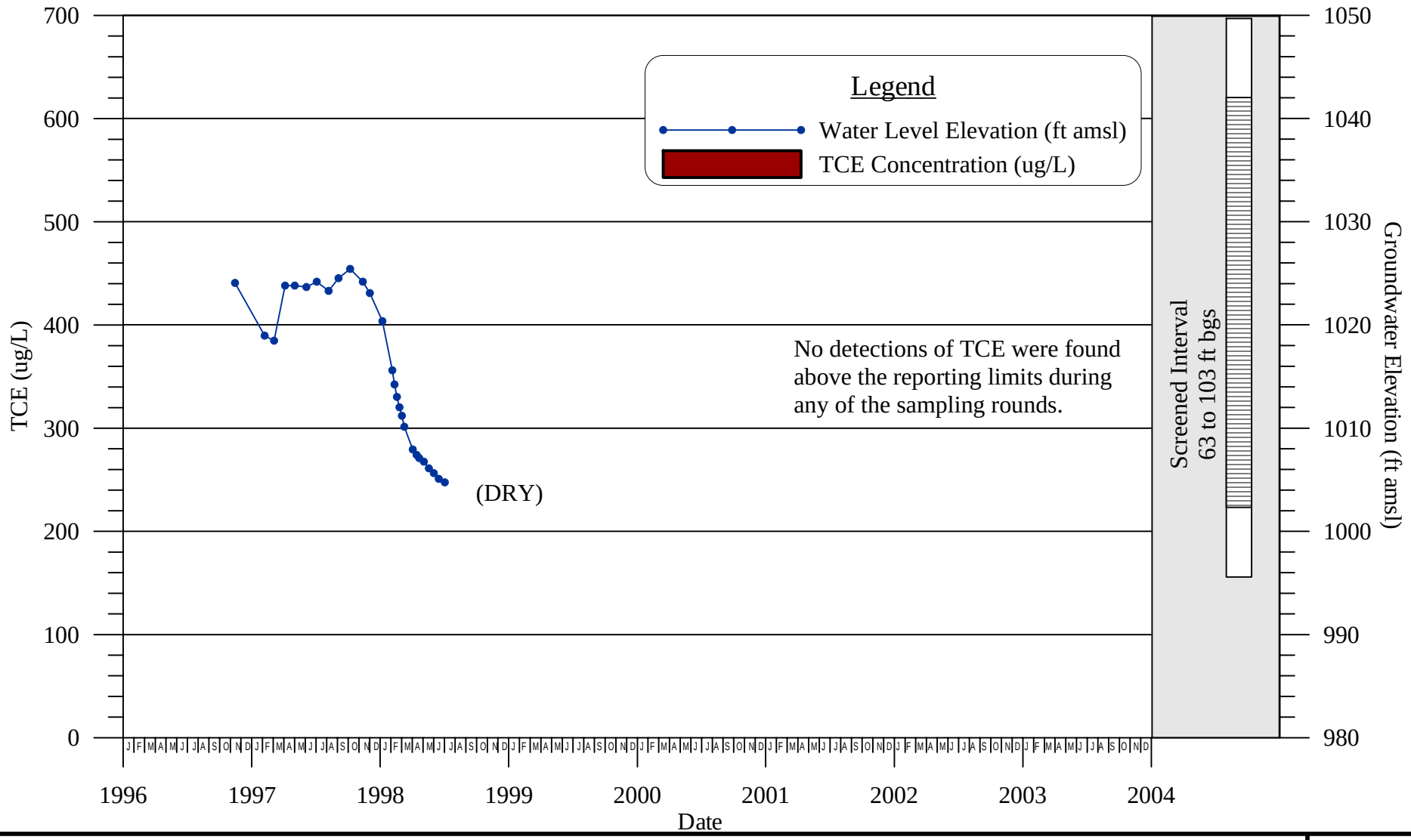
GeoTrans, Inc.

MW-6S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-15



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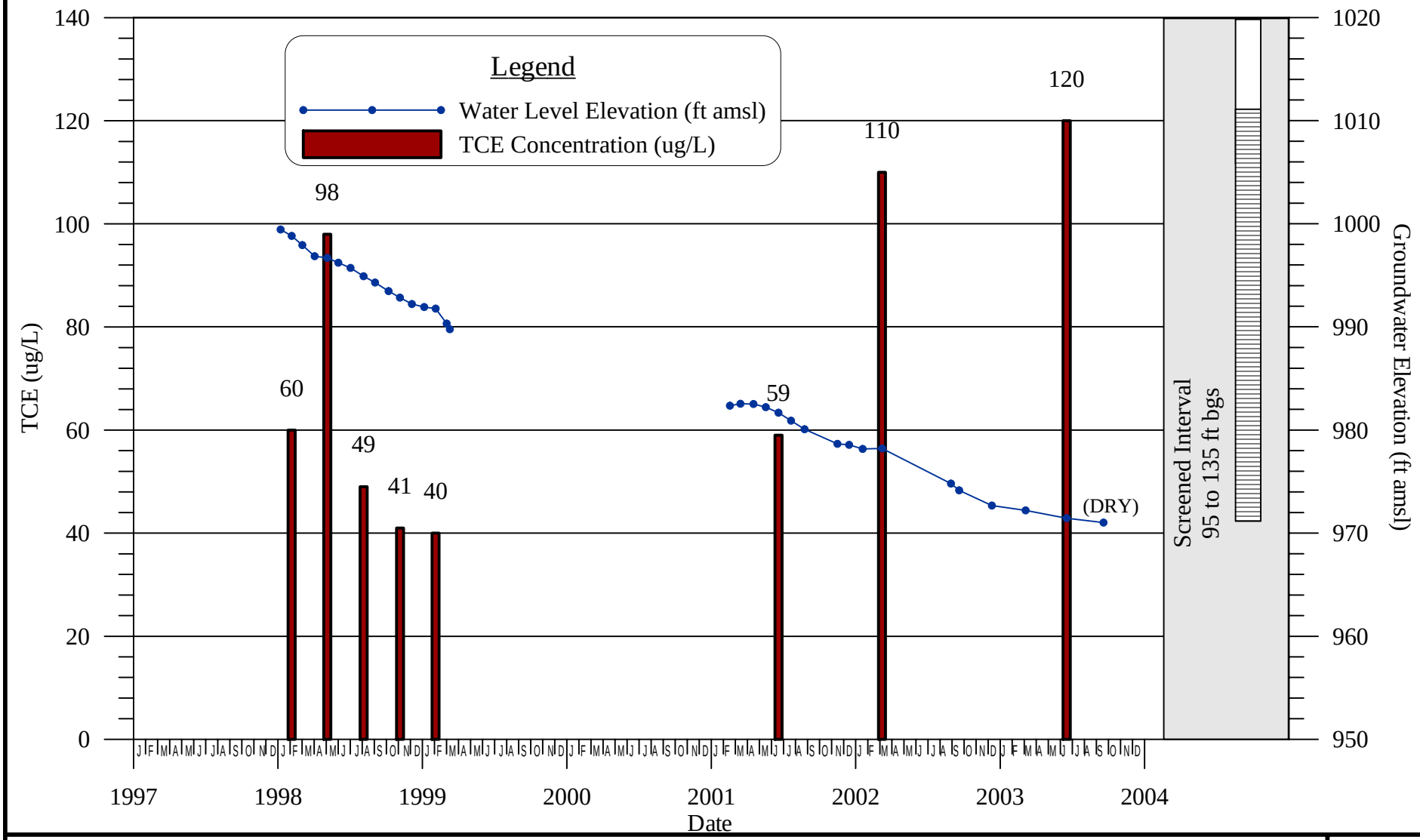
GeoTrans, Inc.

MW-7S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-16



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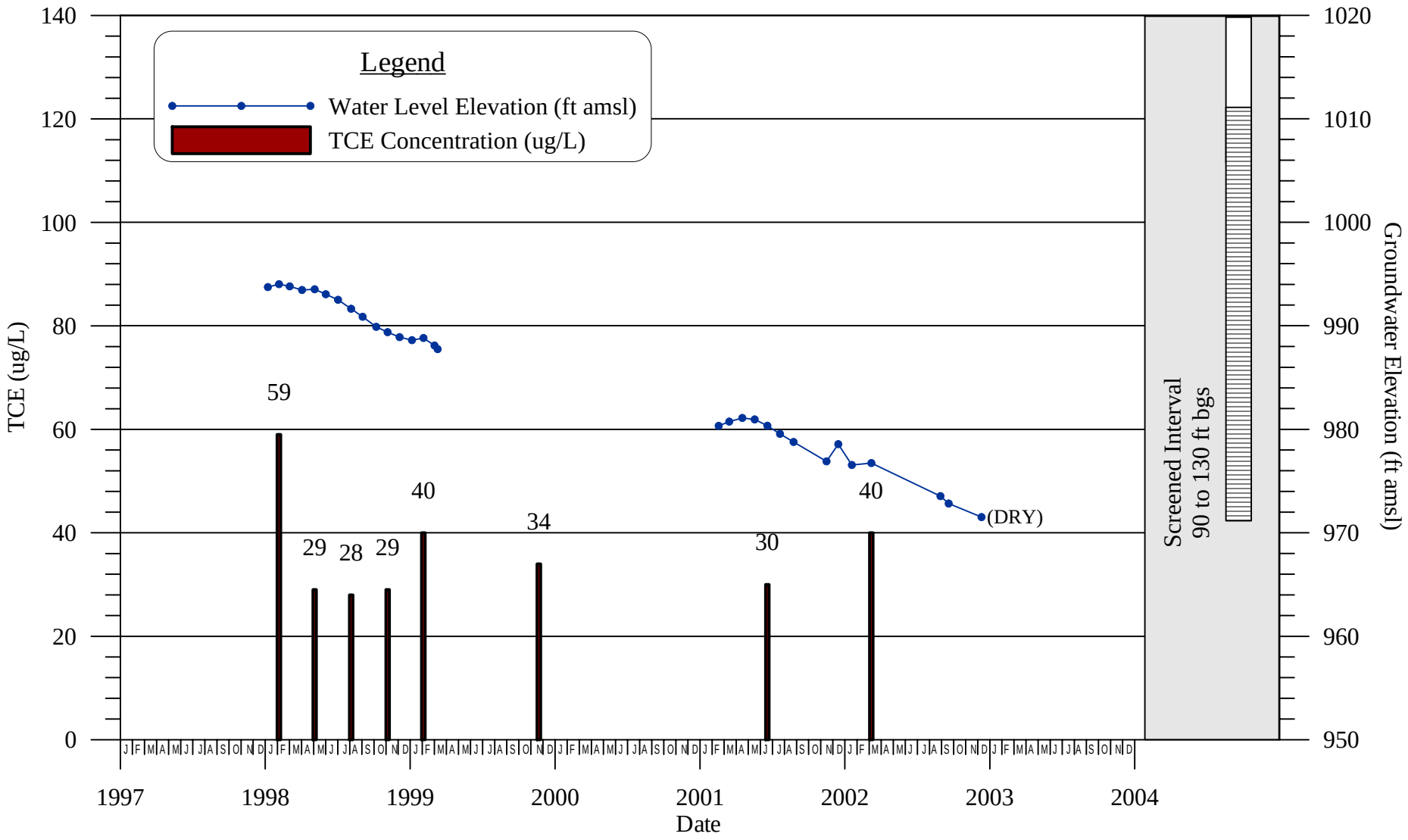
GeoTrans, Inc.

MW-102S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-17



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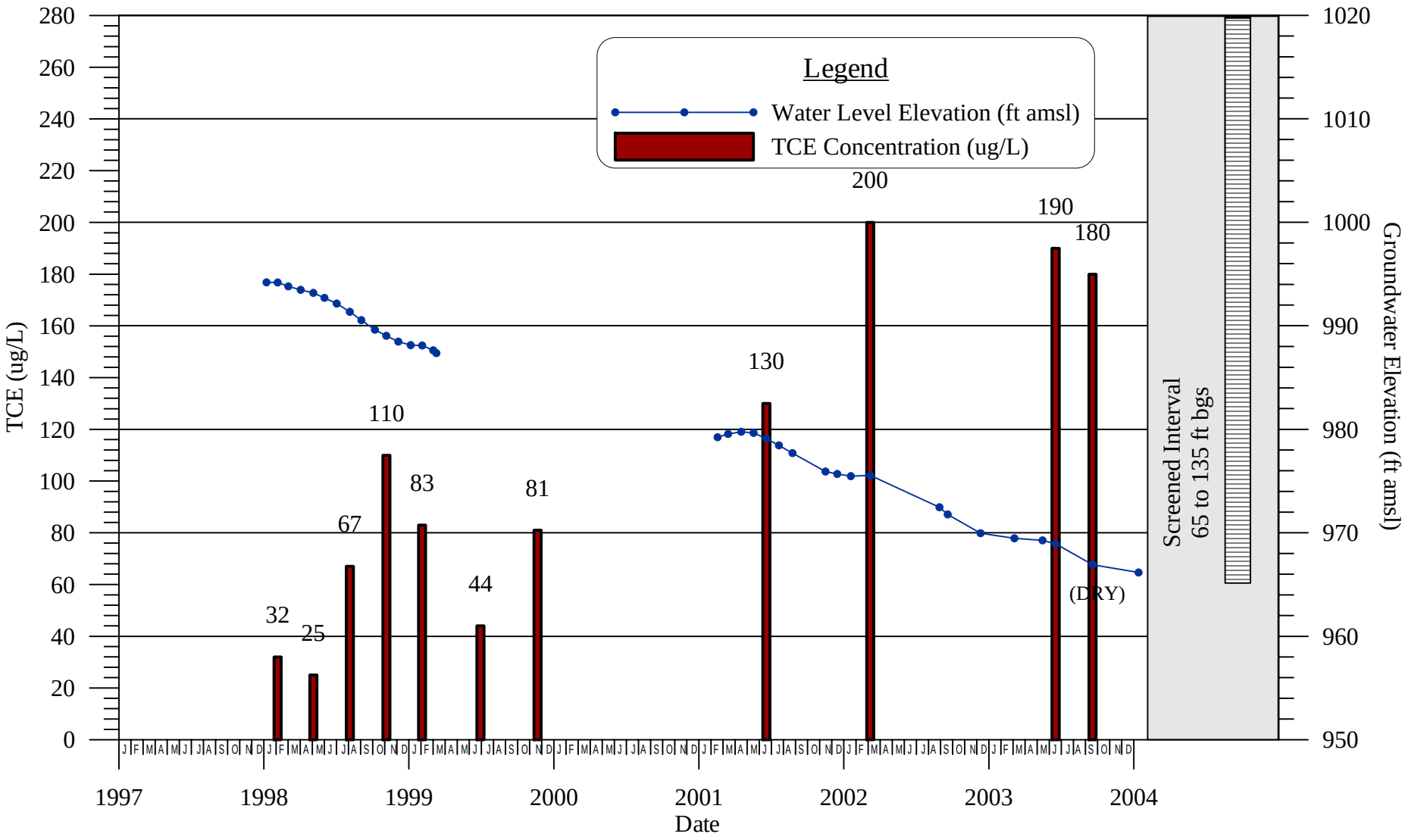
GeoTrans, Inc.

MW-103S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-18



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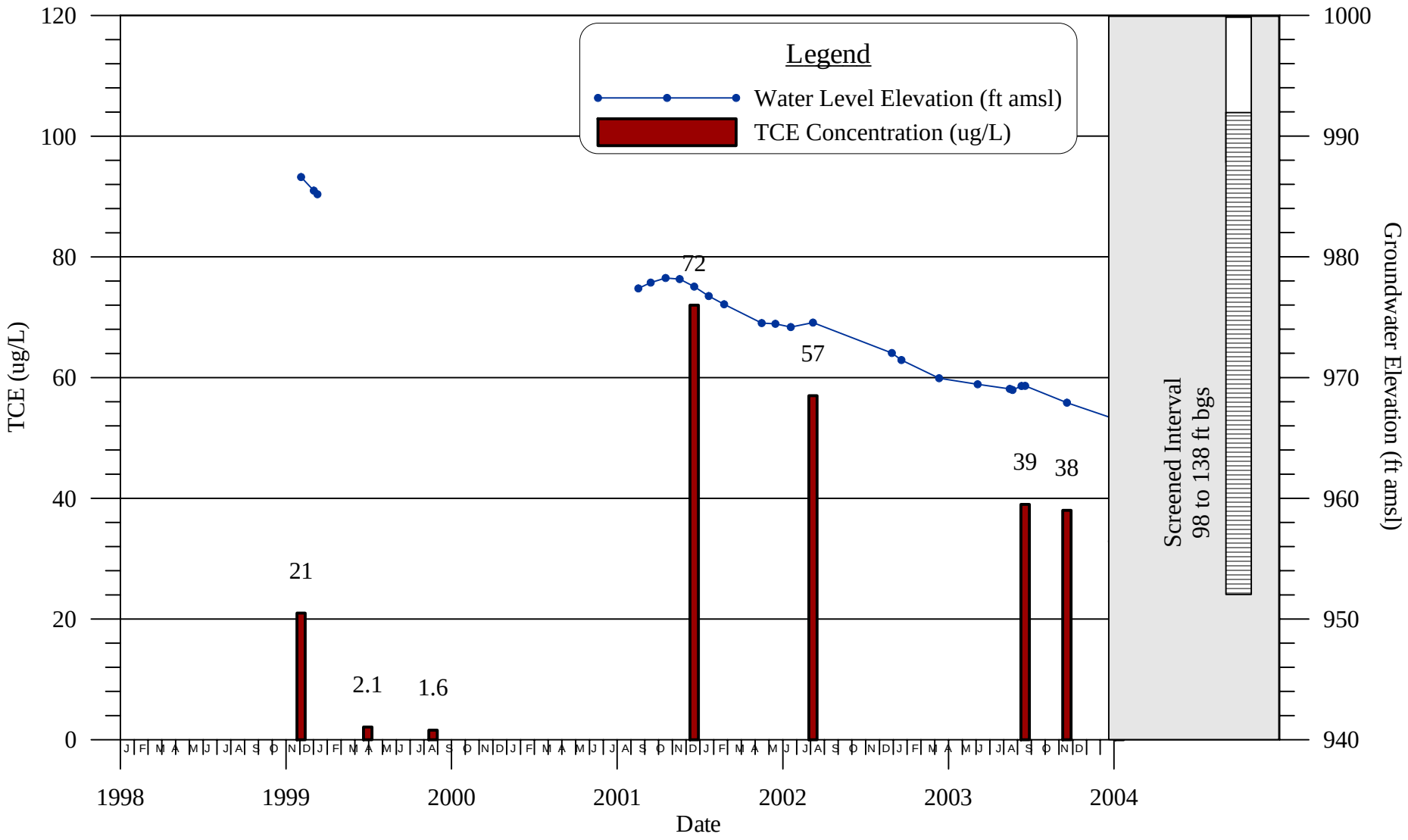
GeoTrans, Inc.

MW-104S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-19



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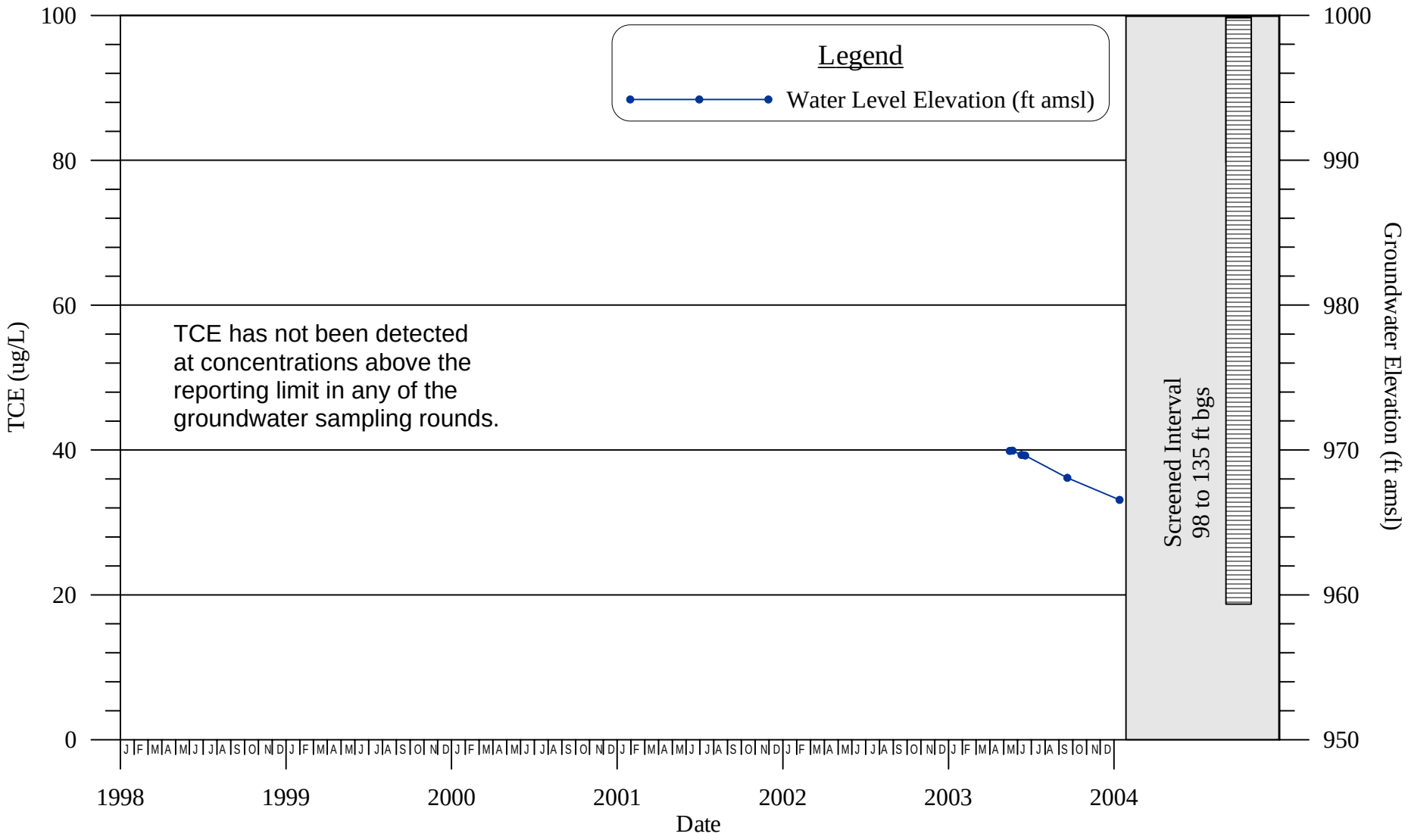
GeoTrans, Inc.

MW-201S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-20



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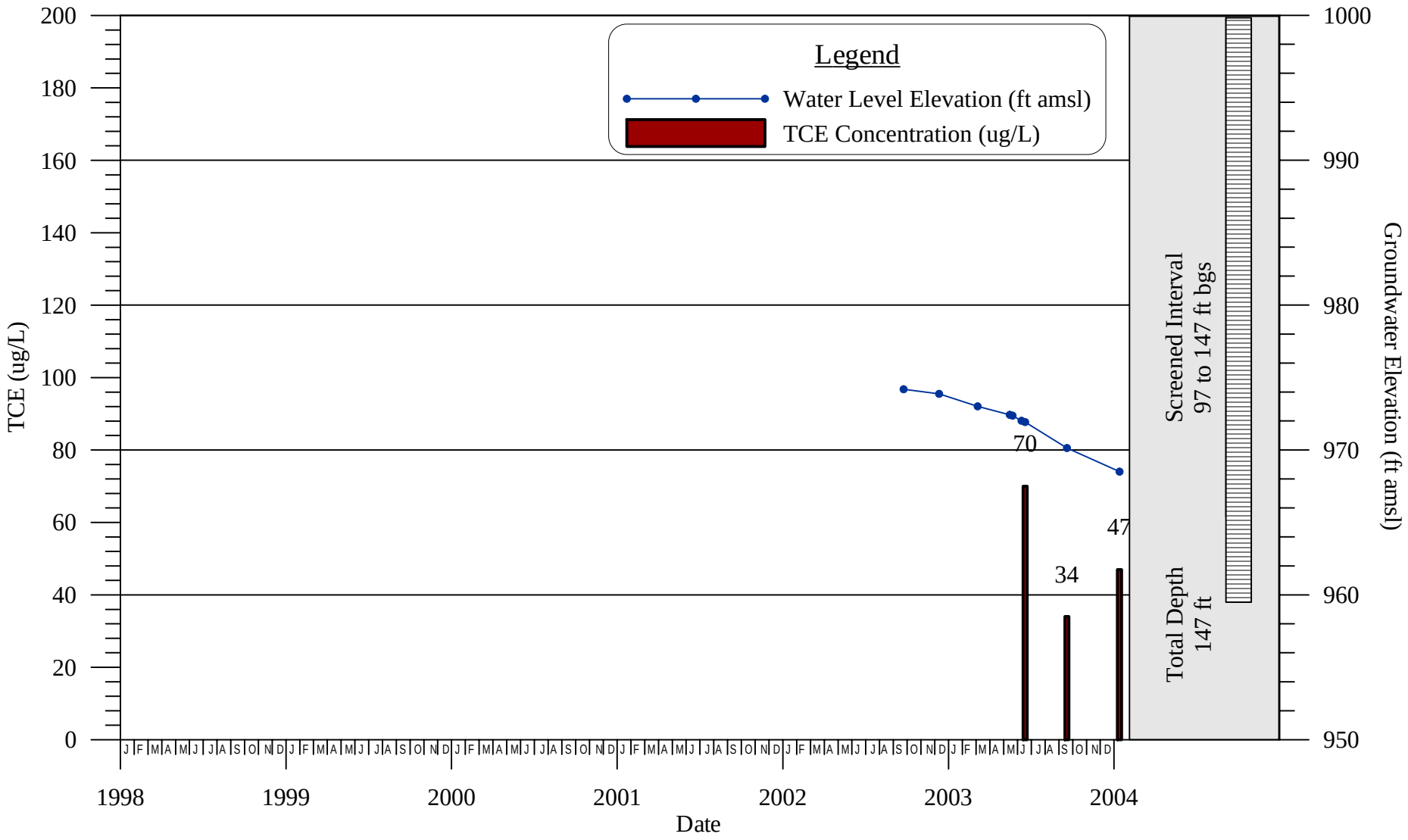
GeoTrans, Inc.

ARCO MW-2 WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-21



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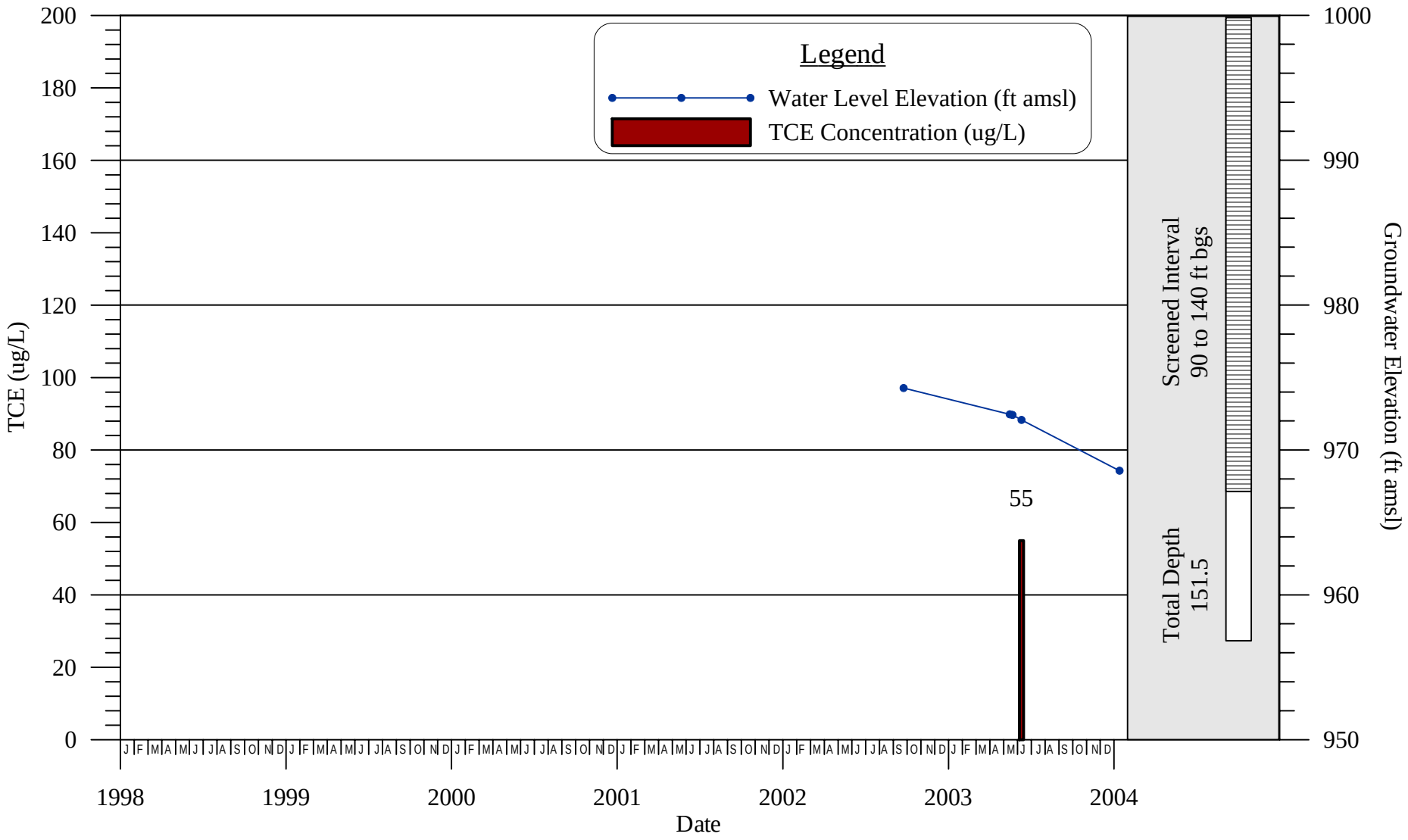
GeoTrans, Inc.

MW-100S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

Figure

5-22



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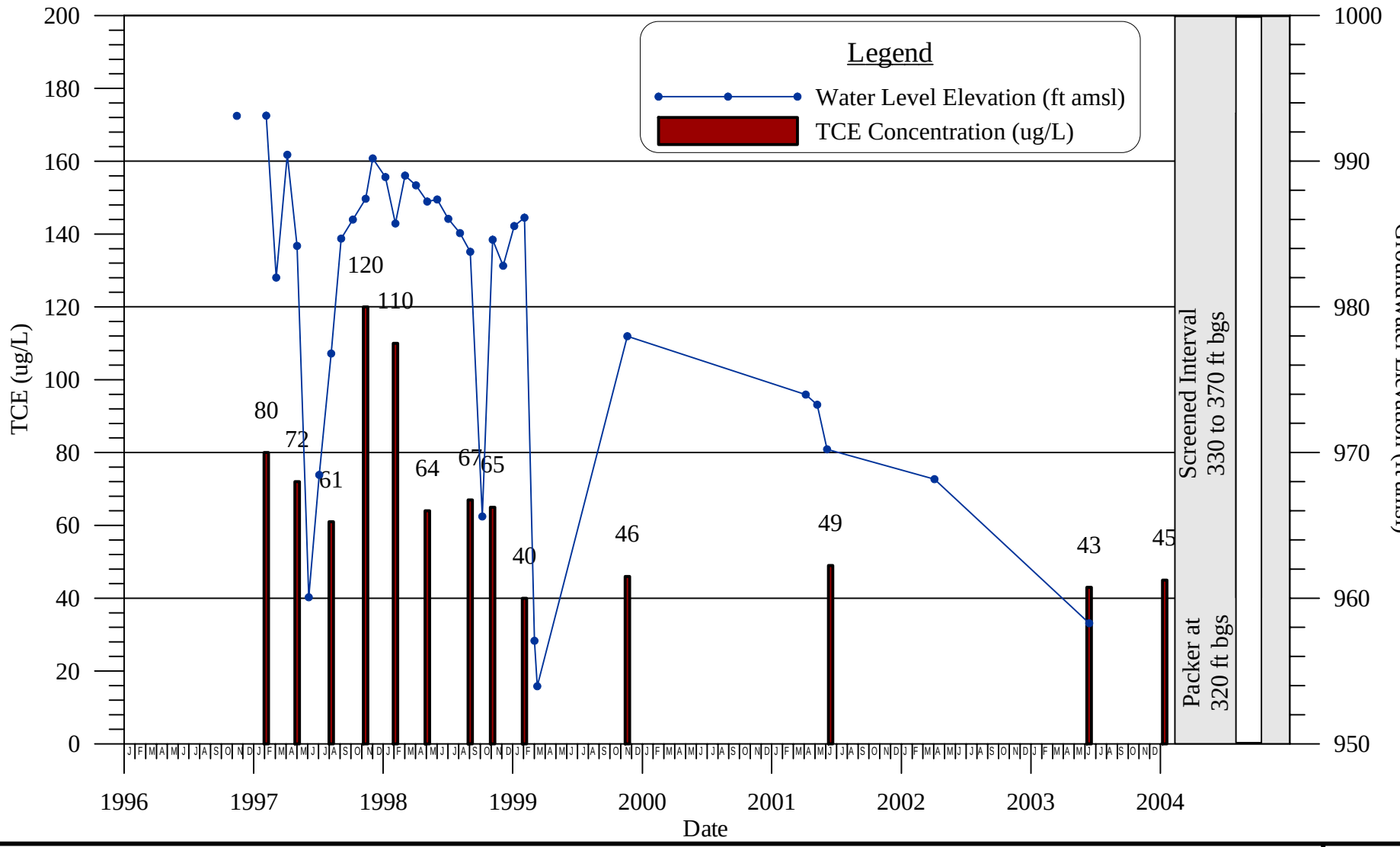
GeoTrans, Inc.

MW-101S WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-23



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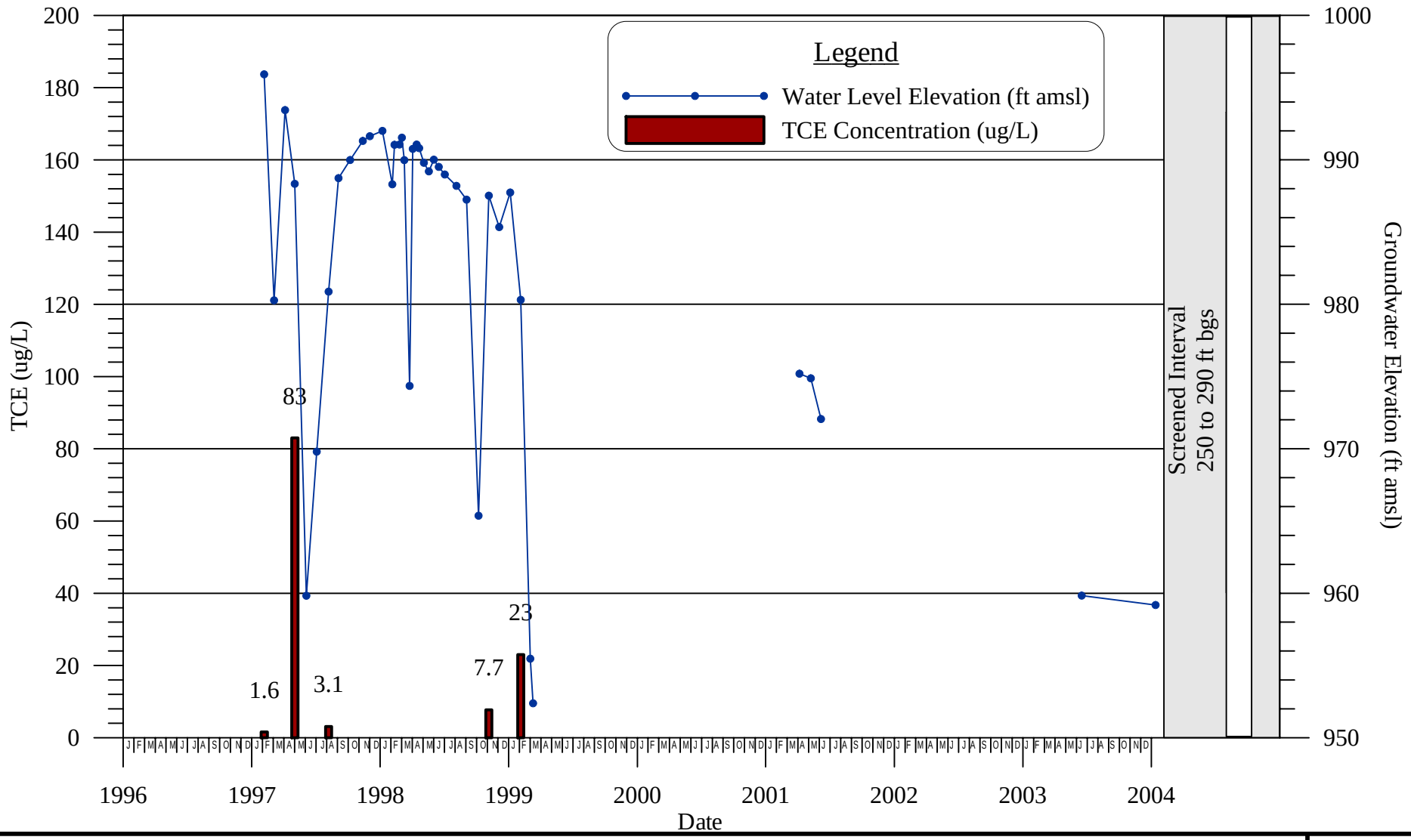
GeoTrans, Inc.

MW-2M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-24



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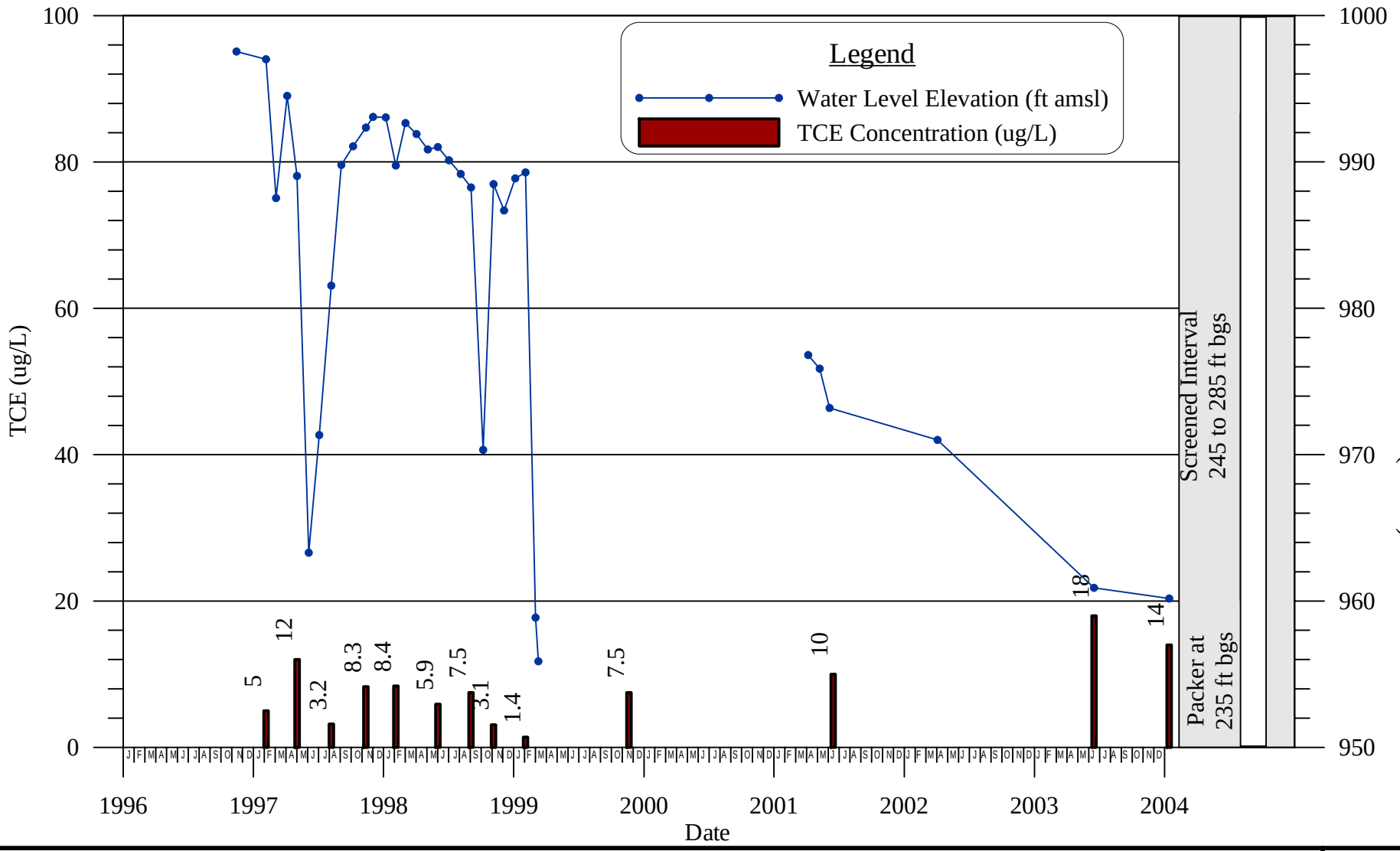
GeoTrans, Inc.

MW-3M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-25



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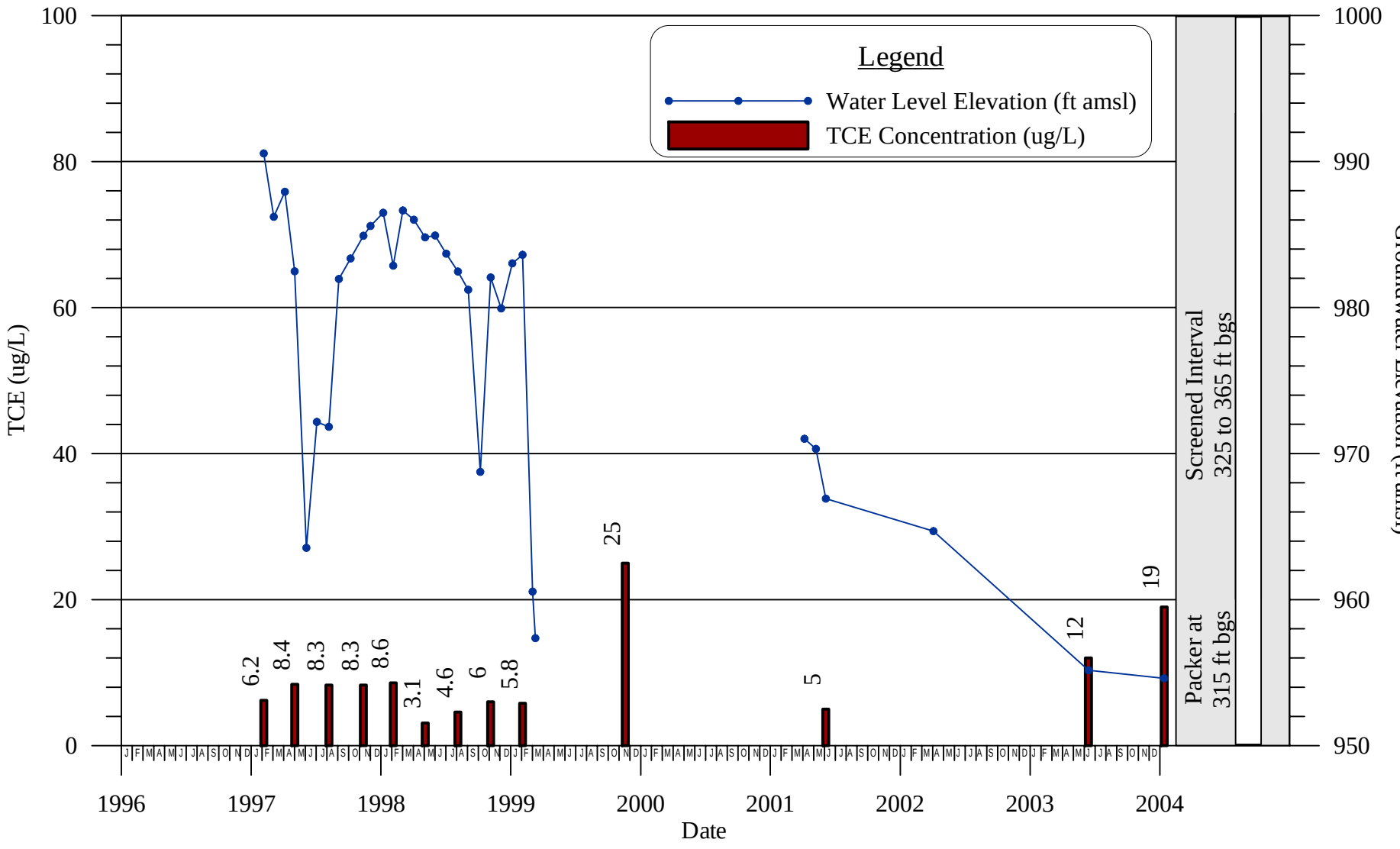
GeoTrans, Inc.

MW-4M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-26



path: M:/2209.002 UIC/RI FIGS/ | art: Gutmann | checked: Brooks

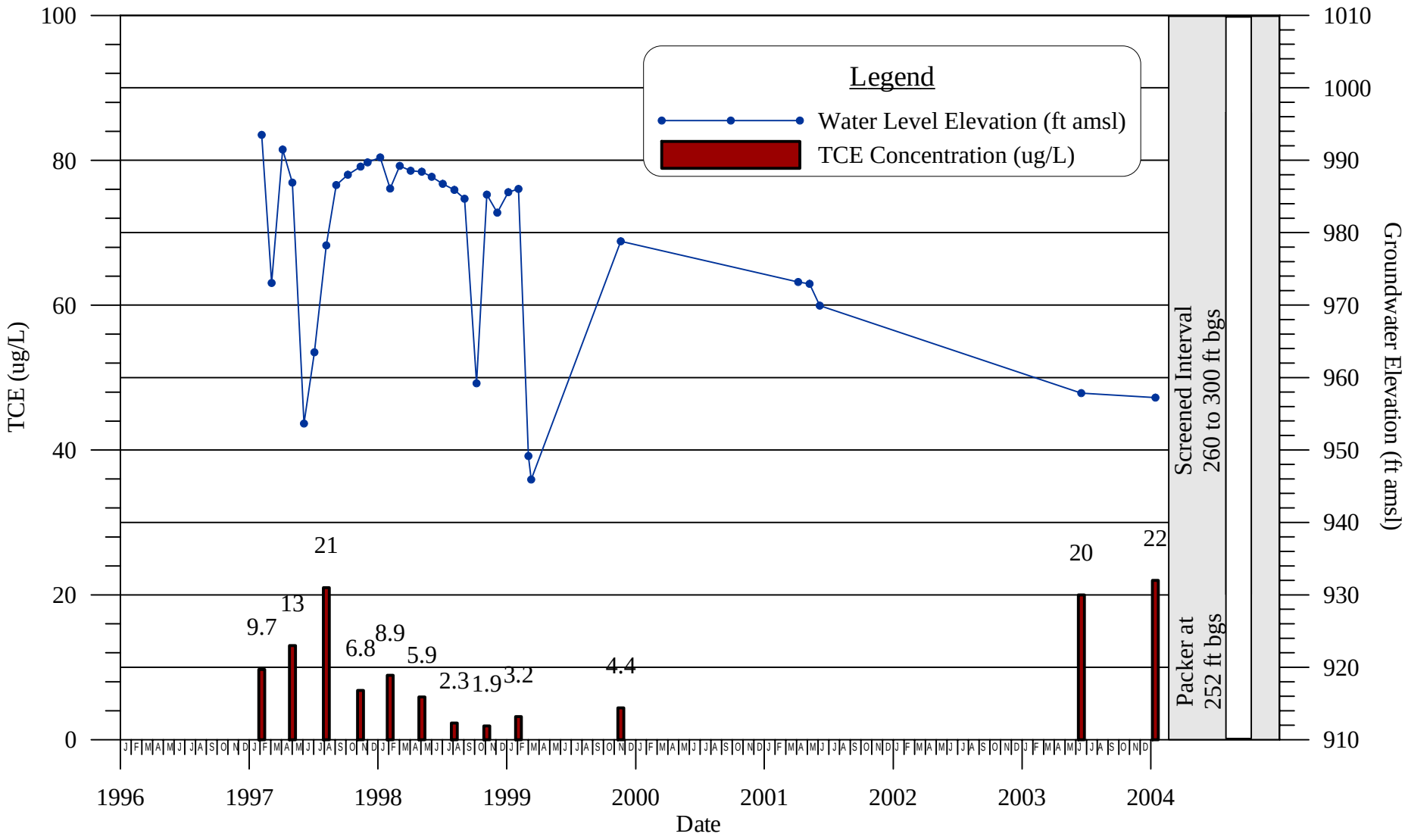
GeoTrans, Inc.

MW-6M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-27



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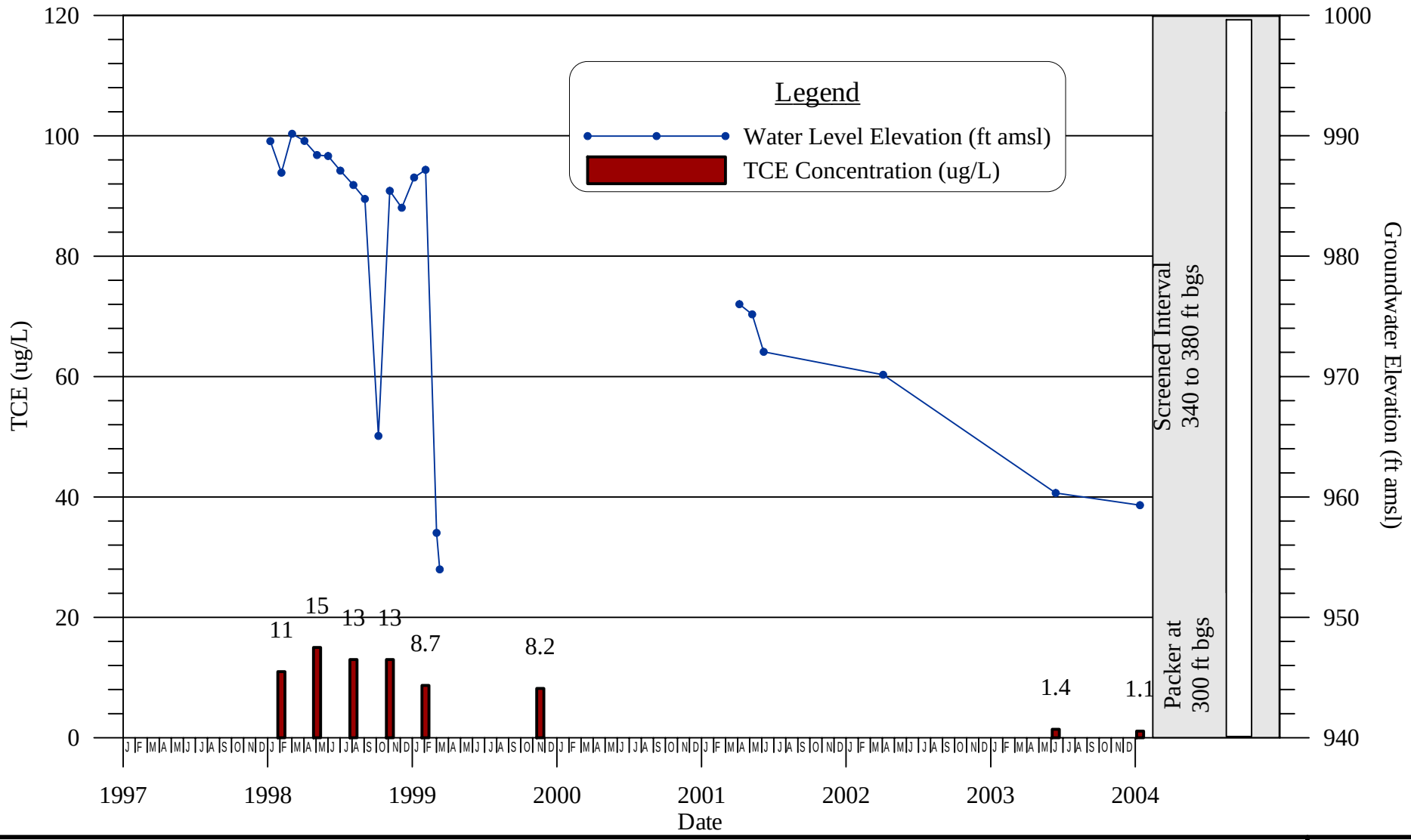
GeoTrans, Inc.

MW-7M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-28



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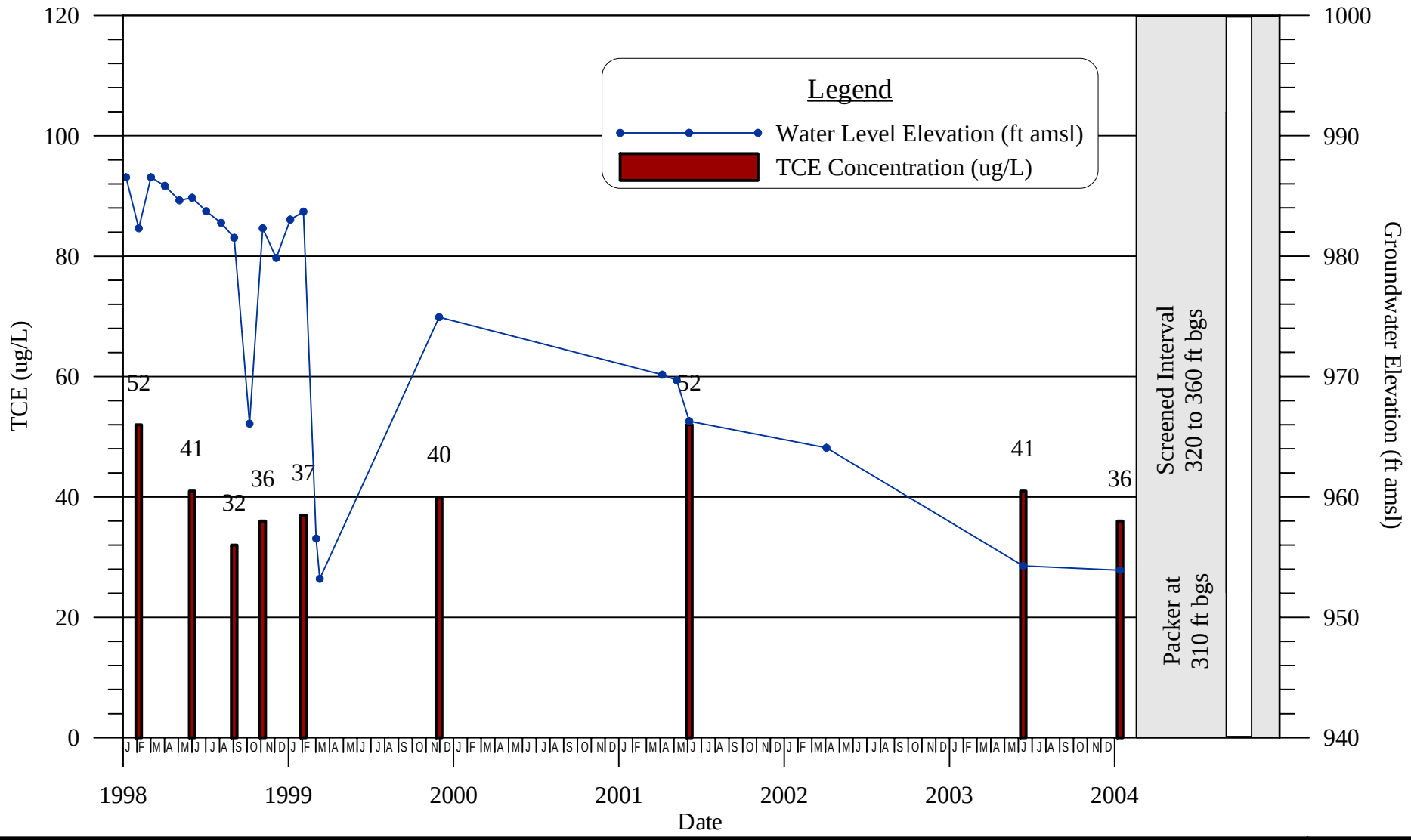
GeoTrans, Inc.

MW-102M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATIONS

FIGURE

5-29



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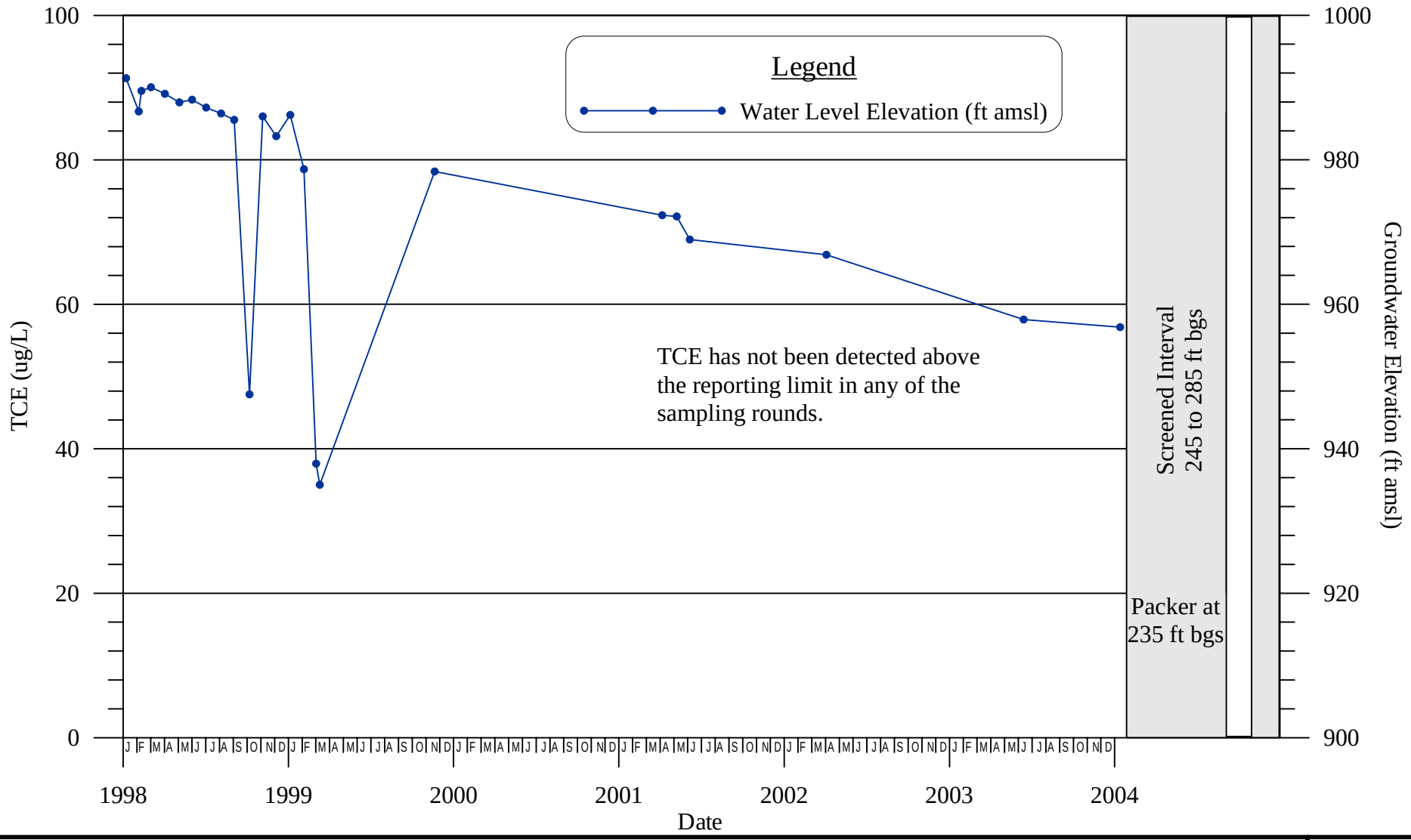
GeoTrans, Inc.

MW-105M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-30

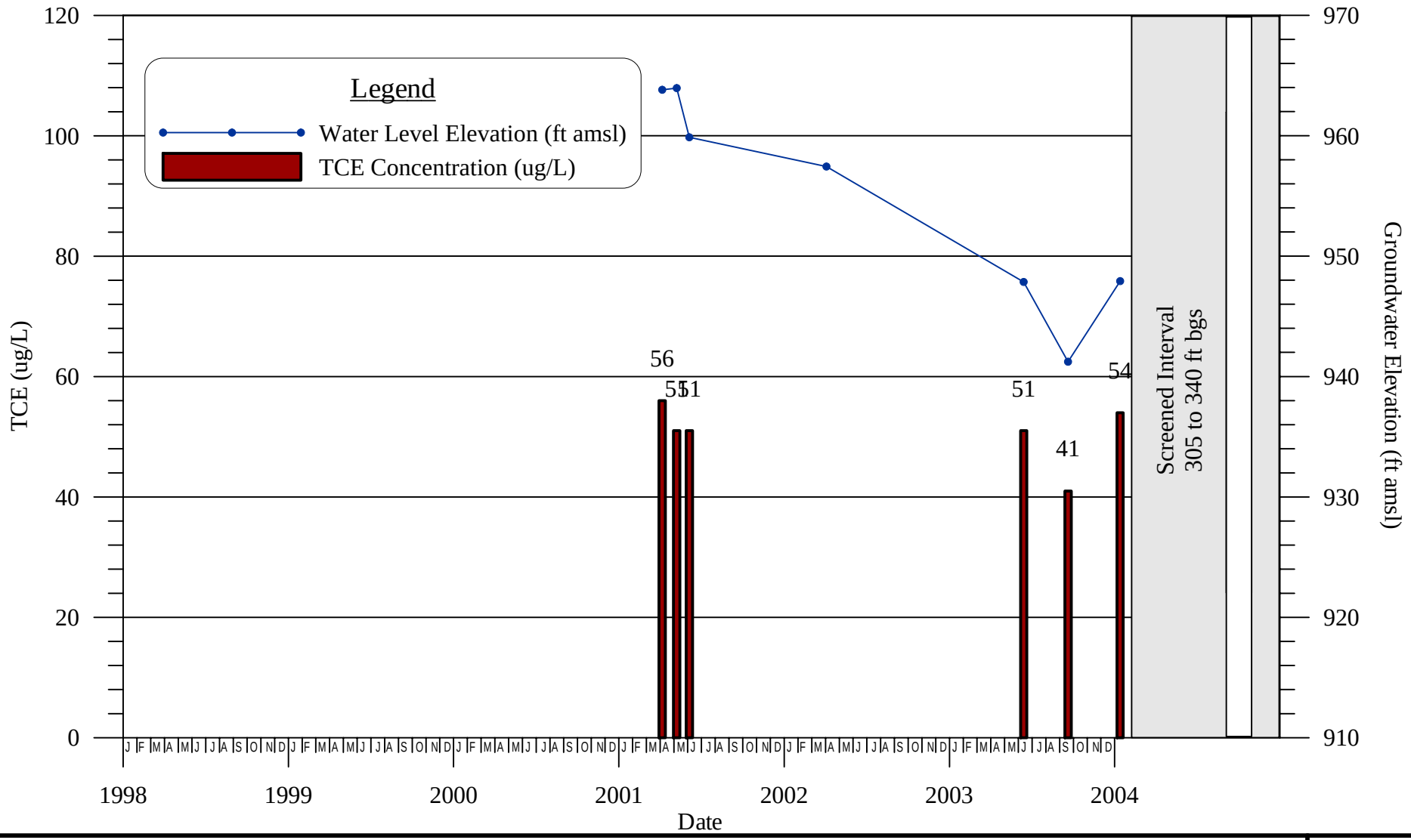


path: M:/2209.002 UIC/RI FIGS/ | art: Gutmann | checked: Brooks

GeoTrans, Inc.

MW-106M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-31



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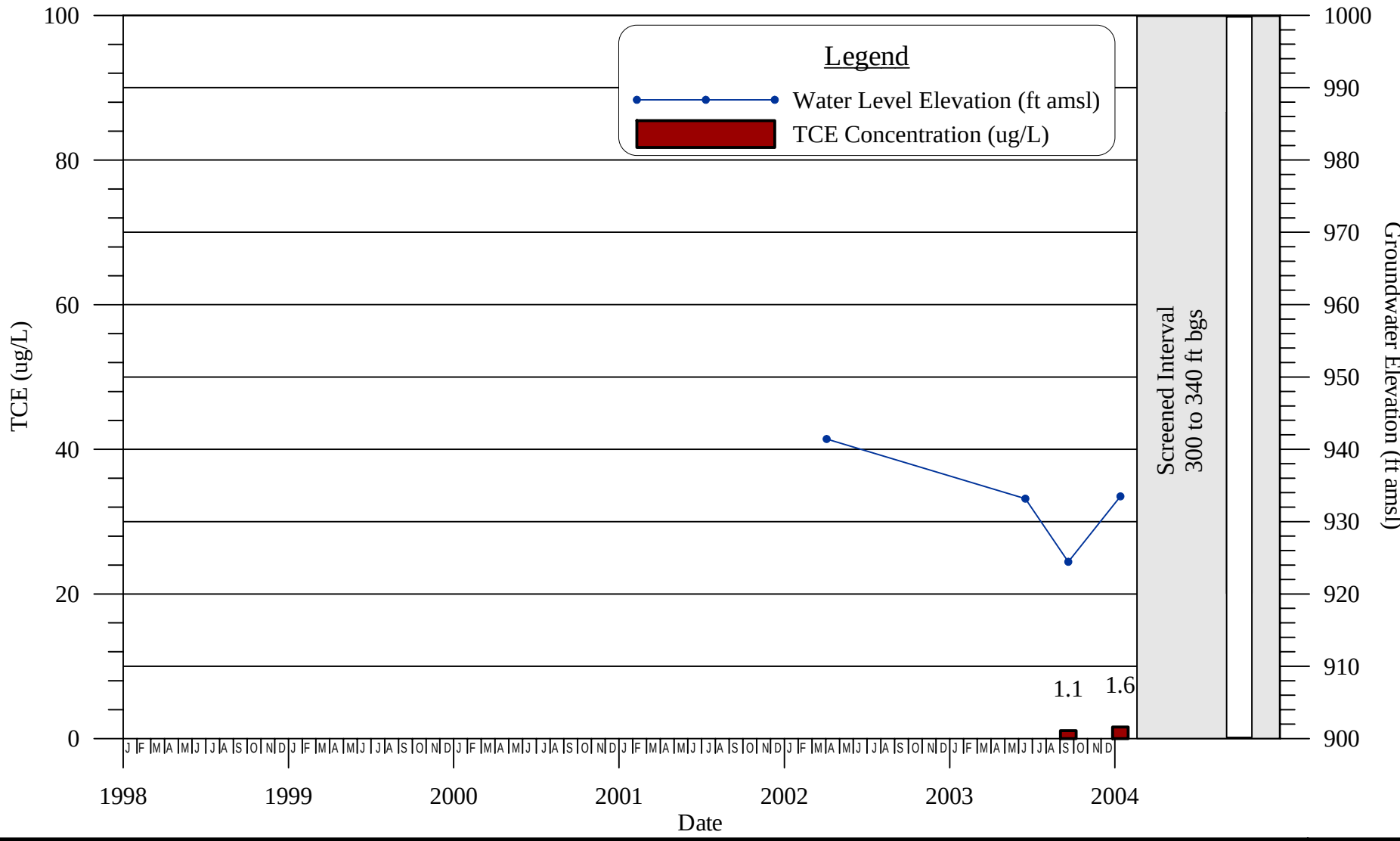
GeoTrans, Inc.

MW-107M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-32



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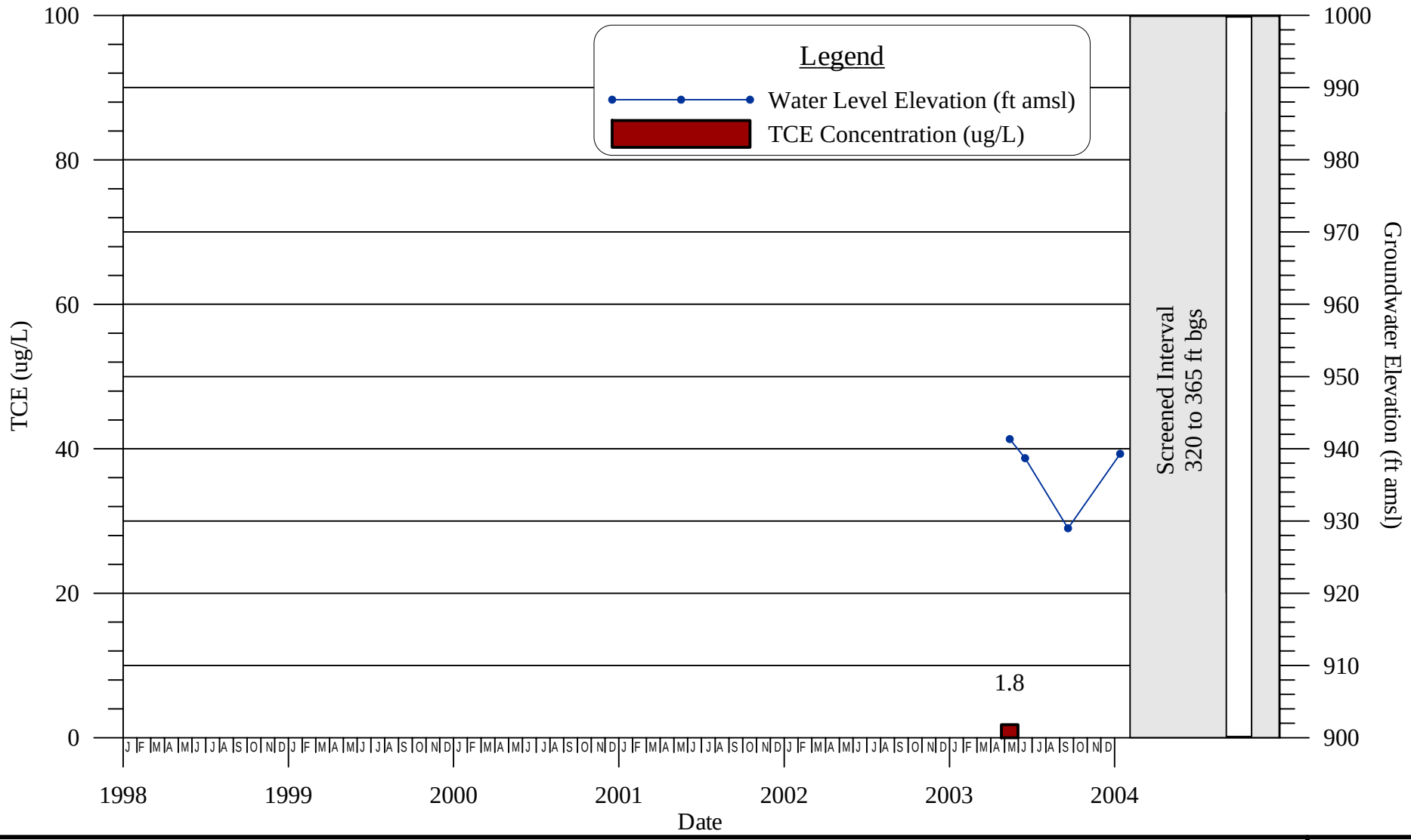
GeoTrans, Inc.

MW-108M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-33



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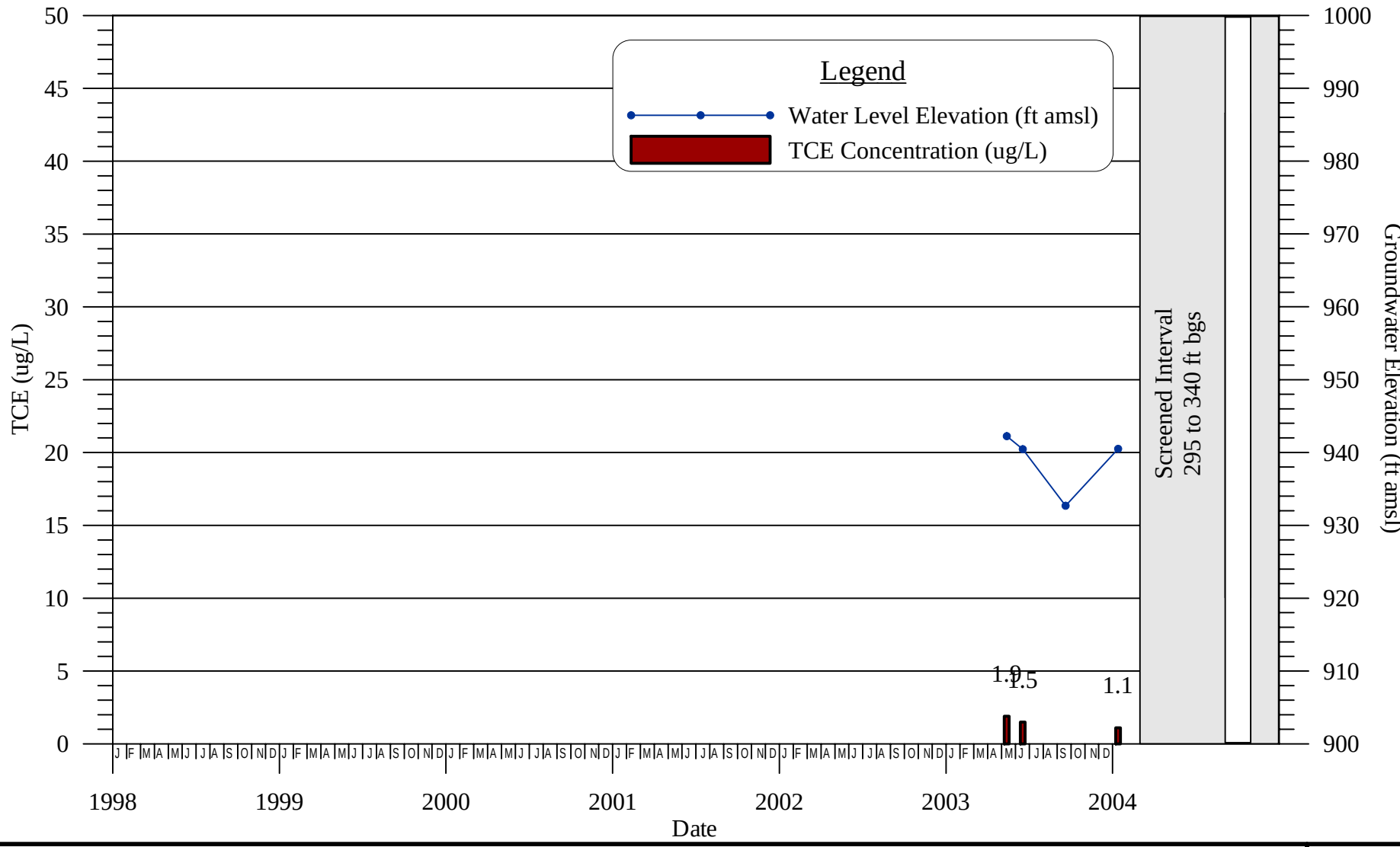
GeoTrans, Inc.

MW-109M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-34



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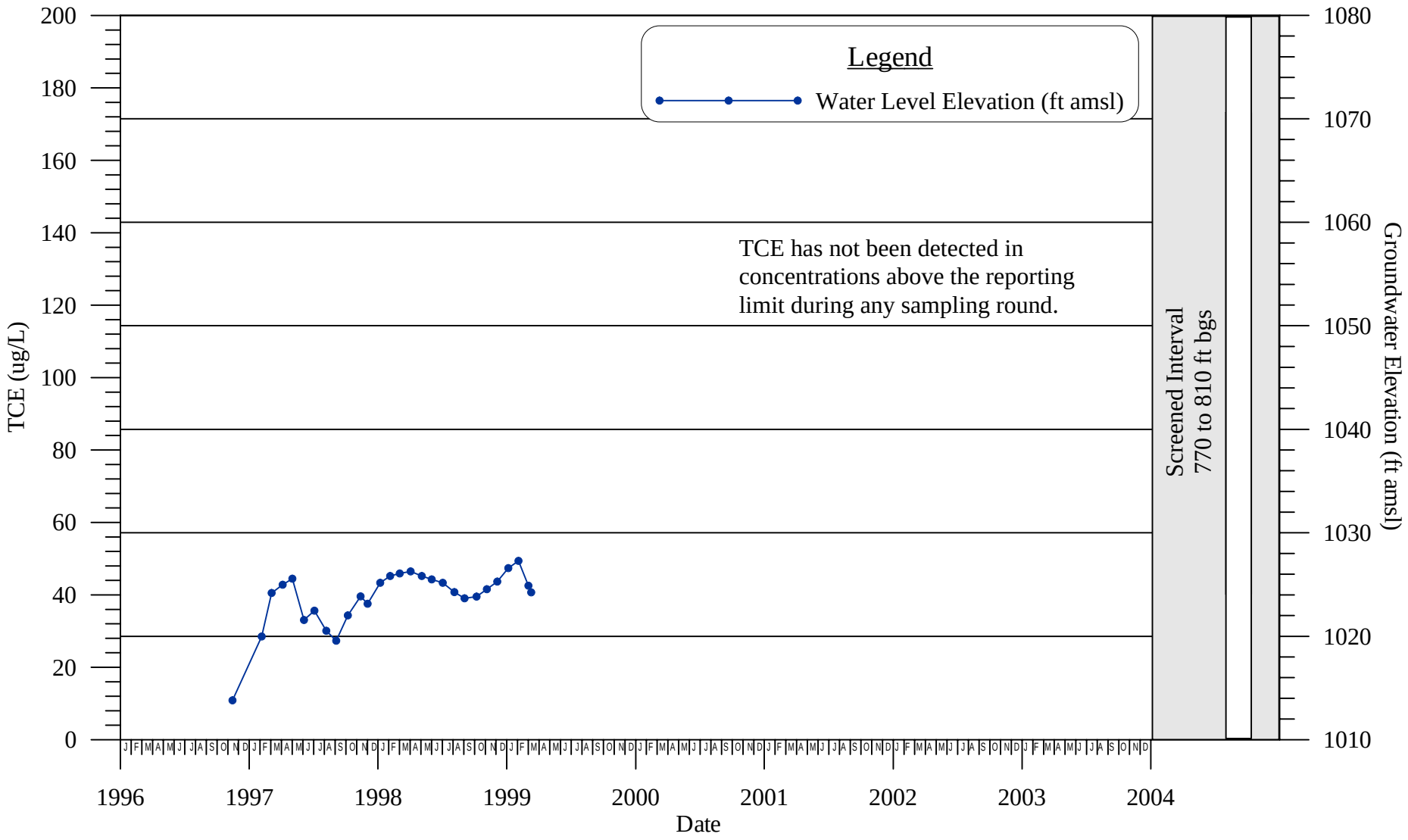
GeoTrans, Inc.

MW-110M WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-35



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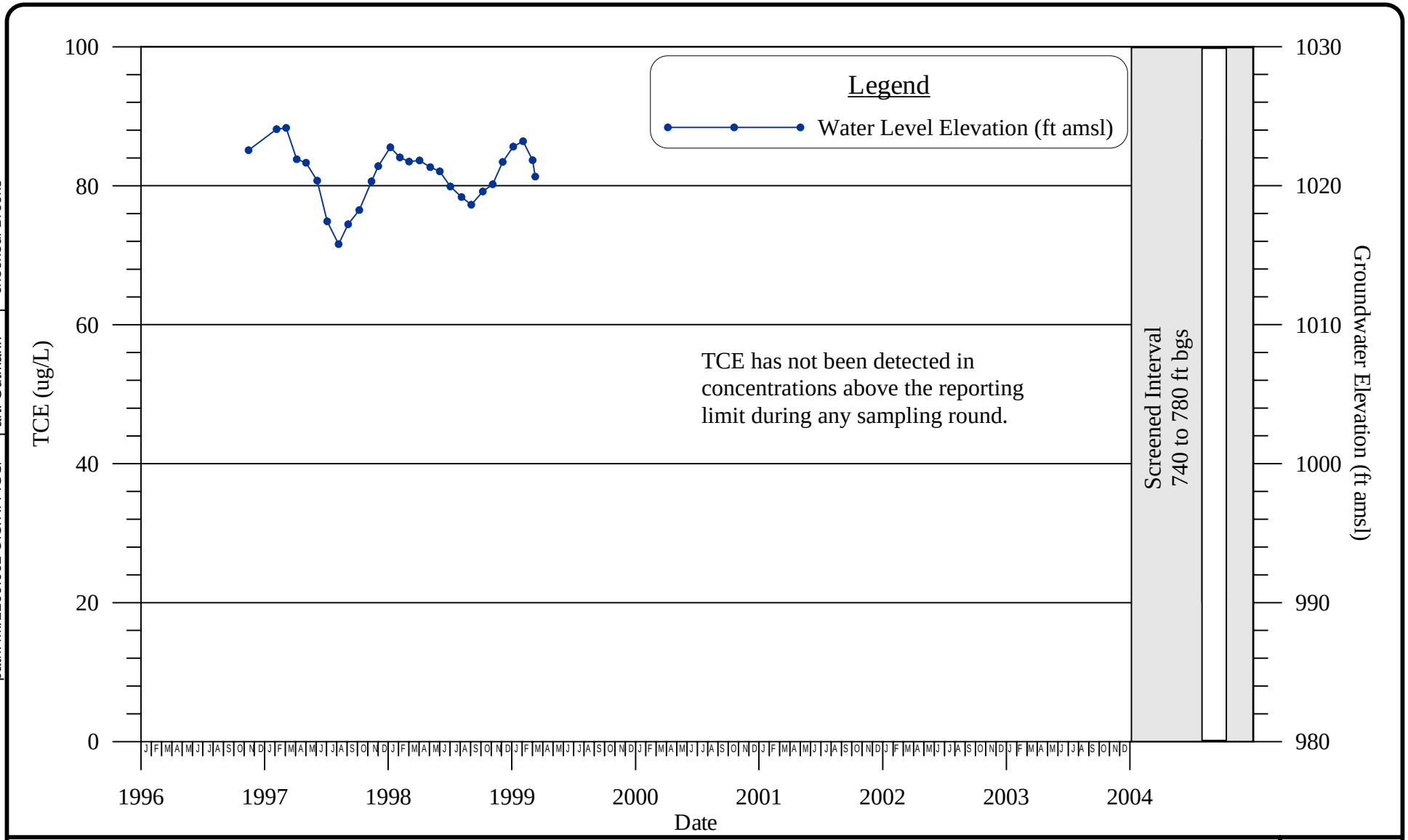
GeoTrans, Inc.

MW-4L WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-36

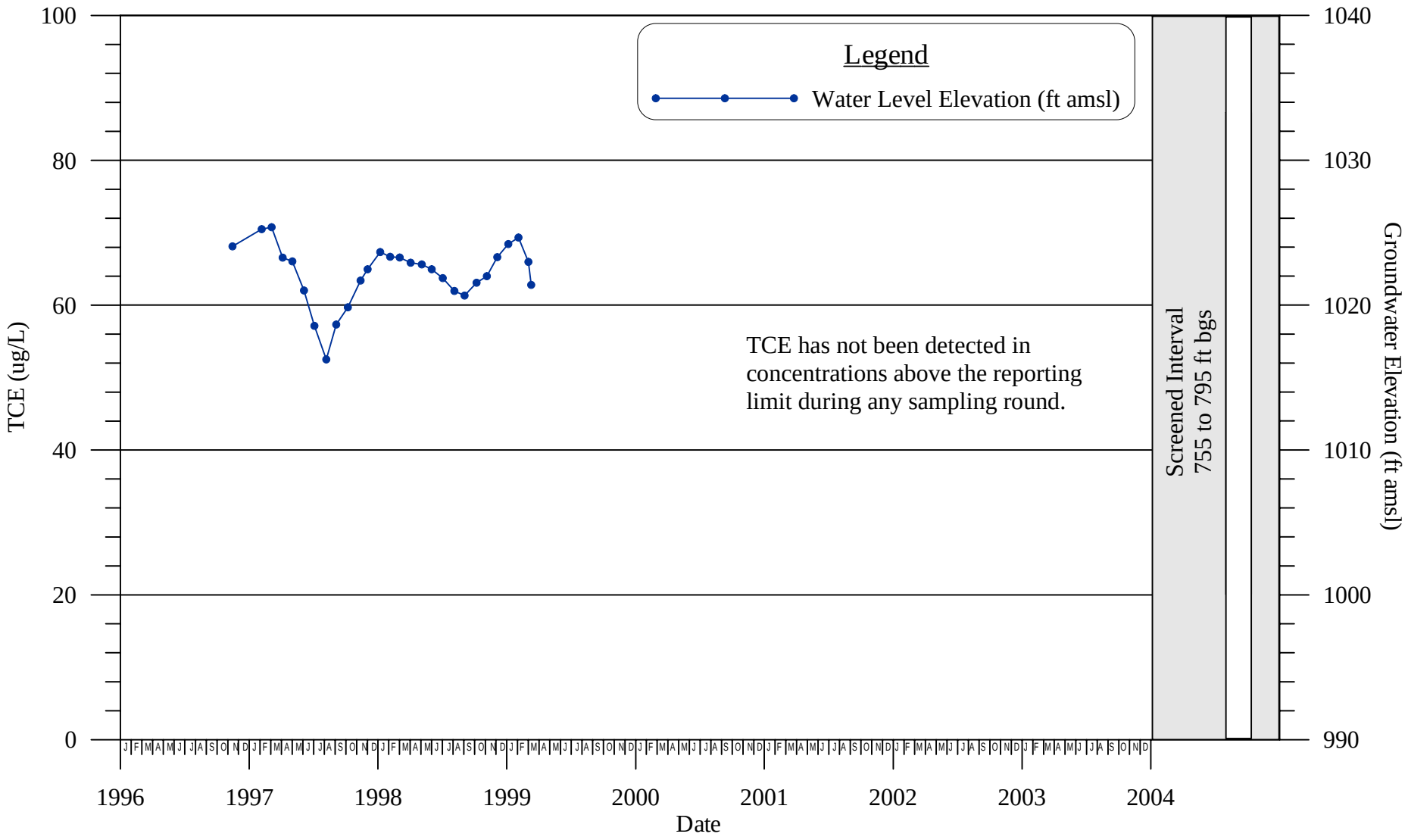


path: M:/2209.002 UIC/RI FIGS/ | art: Gutmann | checked: Brooks

GeoTrans, Inc.

MW-6L WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS
UNITED INDUSTRIAL CORPORATION

FIGURE
5-37



path: M:/2209.002 UIC/RI FIGS/ | art: Gutmann | checked: Brooks

GeoTrans, Inc.

MW-7L WATER LEVEL ELEVATIONS AND TCE CONCENTRATIONS

UNITED INDUSTRIAL CORPORATION

FIGURE

5-38

GRAND CANAL

400 LB. GAC TREATMENT VESSELS

SVE BLOWER

ELECTRIC SERVICE ENTRY 120/240 V, 1ø 100 AMP

DISCHARGE STACK

SVE SYSTEM FENCED EQUIPMENT COMPOUND

ELECTRIC UTILITY POLE (TYP.)

WOC IRRIGATION WELL

ASPHALT

U.G. 3" SVE CONVEYANCE LINE (SCH. 80 PVC)

MW-4L

MW-4M

MW-4S

CONCRETE VAULT OVER EXISTING NESTED PAIR OF SVE WELLS (TYPICAL)

SVE-1

STORAGE SHED

SVE-2

SVE-3

N

0 20 40 80

APPROXIMATE SCALE IN FEET

MAIN BUILDING
3600 W. OSBORN RD

EXPLANATION:

- SVE WELL
- EXISTING MONITOR WELL
- CONCRETE
- 6' CHAIN LINK FENCE
- U.G. UNDERGROUND
- GAC GRANULAR ACTIVATED CARBON

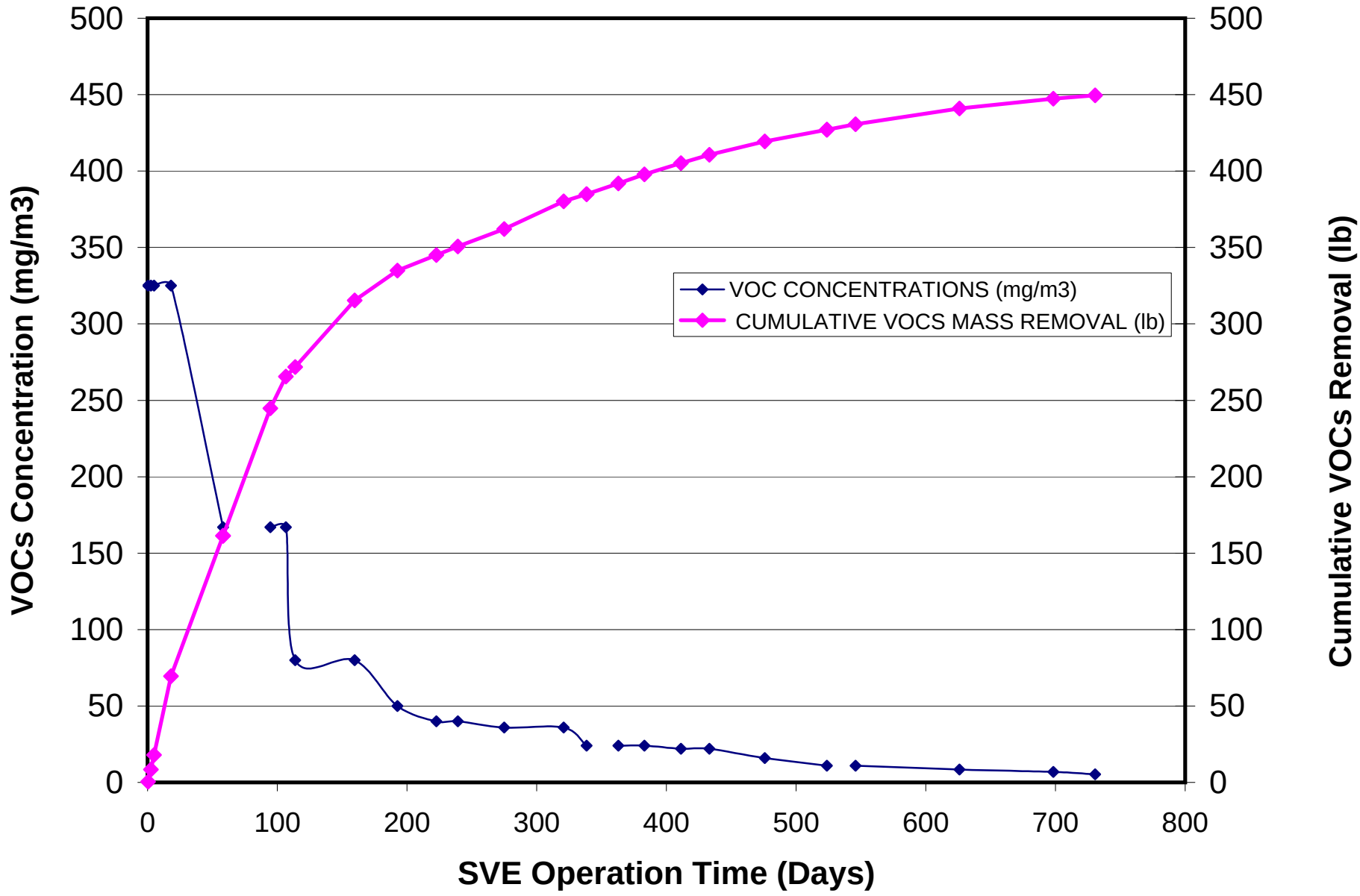
TITLE: UNITED INDUSTRIAL CORPORATION
INTERIM SVE REMEDIATION SYSTEM LAYOUT

LOCATION: UNITED INDUSTRIAL CORPORATION

GeoTrans, Inc. A TETRA TECH COMPANY

CHECKED	JR
DRAFTED	DS
PROJECT	2209.002
DATE	2/14/04

FIGURE: 6-1



GeoTrans, Inc.
A TETRA TECH COMPANY

Interim SVE System Performance

United Industrial Corporation
West Osborn Complex

Figure

6-2