

GRCRS Package Cover Sheet

Site Name Swenson's Oil

Site Address N 12445 STH 79, Downing, WI

BRRTS # 03-17-000392 Date of Closure Decision 2-9-00

Closure letter(s)

Groundwater Use Restriction/Warranty Deed

Yes  No Off-site contamination present? (Include related documents)

Yes  No Right-of-way contamination present? (Include related documents)

General location map

\_\_\_\_\_ GPS x-coordinate

\_\_\_\_\_ GPS y-coordinate

Detailed site map(s)

Groundwater flow map(s)

Latest map(s) showing extent or outline of plume

Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)

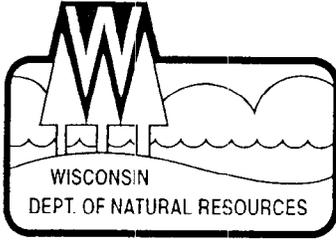
If available:

\_\_\_\_\_ Legal description

\_\_\_\_\_ County and Parcel I.D./Tax Parcel No.

\_\_\_\_\_ Geologic cross sections

\_\_\_\_\_ Isoconcentrations map(s)



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Scott A. Humrickhouse, Regional Director

Baldwin Service Center  
990 Hillcrest Street  
Suite 104  
Baldwin, Wisconsin 54002  
Telephone 715-684-2914  
FAX 715-684-5940

April 2, 2001

BRRTS # 03-17-000392  
Dunn County

Mr. James Swenson  
N12445 STH 79  
Downing, WI 54734

**Subject: Final Site Closure: Swenson's Oil, N12445 STH 79, Downing, WI**

Dear Mr. Swenson:

On February 9, 2000, the West Central Region Closure Committee reviewed your site for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. The committee approved this site for conditional closure.

On March 15, 2001 the Department received correspondence indicating that you have complied with the conditions of closure. The documents included the well abandonment forms as requested and contained a copy of the recorded deed restrictions. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. However, the information also indicates that petroleum contaminated soil remains on this property. If this contaminated soil is excavated in the future, it may be considered solid waste and will need to be disposed in accordance with applicable statutes and rules. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

However, please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715 684-2914.

Sincerely,

Patrick J. Collins  
Hydrogeologist

c: Dennis Johnson/Terry Hazelton - Ayres  
FILE

Document Number

GROUNDWATER USE RESTRICTION

VC 924 records page 348

Recording Area 463276

DUNN COUNTY  
REGISTER OF DEEDS  
JAMES M. MRDUTT  
RECORDED ON

10-20-2000 10:30 AM

REC FEE: 12.00  
TRANS FEE:  
FEE EXEMPT #:  
PAGES: 2

Declaration of Restrictions

Parcel of the NE1/4 of the NE 1/4 of Section 33 Township 31 North, Range 14 West described as follows: Commencing at the SW corner of the said NE1/4 of NE 1/4; thence East of S.T.H. 79; thence North along S.T.H. 79 25 rods; thence West to the West line of the said NE1/4 of NE 1/4; thence south to the point of beginning, being five acres, more or less.

Site Address: 12411 State Road 79  
Downing, WI 54741

pd 12.00

SWENSON'S OIL CO  
12445 STATE RD 79  
DOWNING WI 54734  
Name and Return Address

STATE OF WISCONSIN )  
                                  )SS  
COUNTY OF DUNN     )

Parcel ID Number

WHEREAS, Irvin Chilson is the owner of the above described property.

WHEREAS, one or more petroleum discharges from Swenson's Oil Company have affected this property. Petroleum Contaminated groundwater above ch. NR 140, Wis. Adm. Code, enforcement standards exists on this property near the former location of Monitoring Wells 5 and 6 (MW-5 and MW-6). MW-5 was last sampled on October 16, 1998. A benzene concentration of 190 ug/l was recorded. The ground water flow direction on this property is southwesterly. The location of the monitoring well is depicted on the attached Exhibit A which is hereby made a part of this restriction

WHEREAS, the Wisconsin Department of Natural Resources considers this Swenson's Oil case conditionally "closed," having determined that no further action is necessary to protect human health or the environment if a groundwater use restriction is recorded.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions that will make it unnecessary to conduct additional groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code, groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809, Wis. Adm. Code, is restricted by ch. NR 811, Wis. Adm. Code and ch. NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering or if groundwater is otherwise extracted from this property in the future while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted ground water shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein, can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit with a copy of the Department's written determination can be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 18 day of Oct, 2000.

Signature: Irvin Chilson

Printed Name: Irvin Chilson

Title: Property Owner

Subscribed and sworn to before me

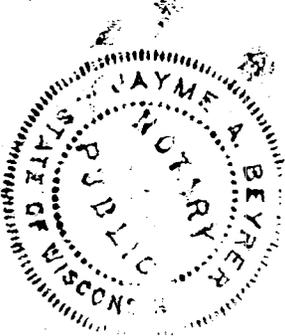
this 18 day of Oct, 2000.

Jayne A. Bayer 10/18/00

Notary Public, State of Wisconsin

My commission expires 4-27-2003

This document was drafted by Ayres Associates based on comments from the Wisconsin Department of Natural Resources



DOCUMENT NO

WARRANTY DEED  
STATE BAR OF WISCONSIN FORM 2 - 1983

THIS SPACE RESERVED FOR RECORDING DATA

50520

VOL. 325 RECORDS PAGE 363

REGISTER'S OFFICE

DUNN COUNTY, WISCONSIN

Received for record the 10th day

of November A.D., 19 83

at 11:00 A. M. and recorded in

Vol 325 of Records on page 363

*Herbert A. Schutz*  
HERBERT A. SCHUTZ, Register of Deeds

RETURN TO  
CENTURY 21 Indianhead Realty, Inc.  
300 N. Keller  
Amery, WI. 54001

have envelope \$4.00 DUTY

Tax Parcel No: .....

Elisabeth Schmidt a/k/a Elizabeth A. Schmidt  
a/k/a Elizabeth Alice Schmidt by June Schleiss  
as Attorney-in-Fact,

conveys and warrants to Irvin Chilson and Gertrude V.  
Chilson, husband and wife, as joint tenants

the following described real estate in Dunn County,  
State of Wisconsin:

Parcel of the Northeast Quarter of Northeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$ ) of Sec-  
tion 33 Township 31 North, Range 14 West described as follows: Commen-  
cing at the Southwest corner of said Northeast Quarter of Northeast  
Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$ ); thence East to S.T.H. 79; thence North along S.T.H.  
79 25 rods; thence West to the West line of said Northeast Quarter of  
Northeast Quarter (NE $\frac{1}{4}$  NE $\frac{1}{4}$ ); thence South to the point of beginning,  
being five acres, more or less.

TRANSFER

\$102.00  
FEE

This is not homestead property.  
(is) (is not)

Exception to warranties: Subject to municipal and zoning ordinances and  
recorded easements and restrictions of record, if any.

Dated this 4th day of November, 19 83

*June Schleiss, Attorney-in-Fact*  
*Elisabeth Schmidt*  
(SEAL) (SEAL)

June Schleiss, Attorney-in-Fact for  
Elisabeth Schmidt a/k/a Elizabeth A.  
Schmidt a/k/a Elizabeth Alice Schmidt  
(SEAL) (SEAL)

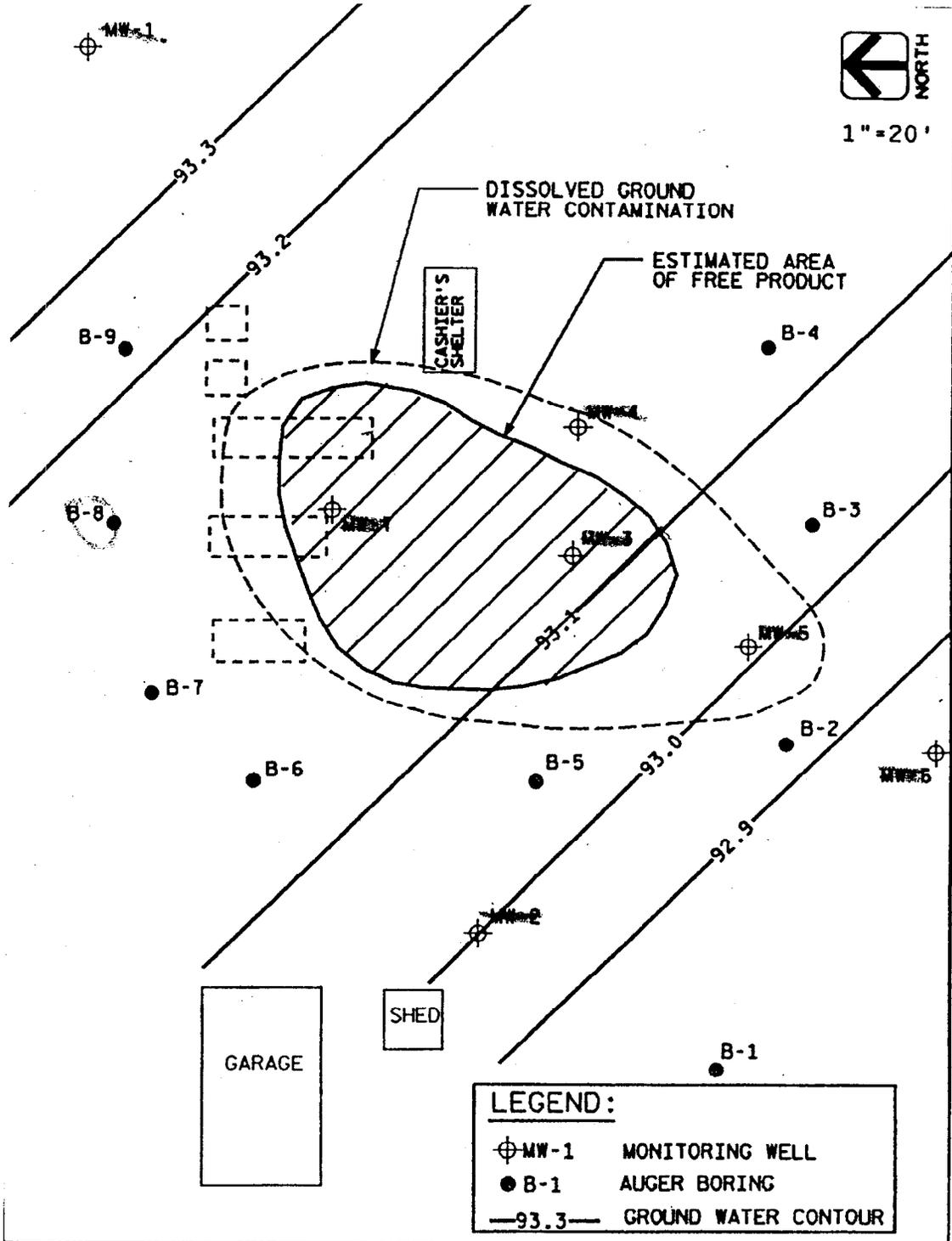
See Vol. 477 of Records Page 296  
For Certificate of Interest of Indianhead Realty, Inc.

AUTHENTICATION

Signature(s) .....

ACKNOWLEDGMENT

STATE OF WISCONSIN



REMEDIAL INVESTIGATION  
 SWENSON OIL COMPANY  
 CONNERSVILLE, WISCONSIN

DRN. BY: MLE ML  
 CHK. BY: DW  
 DATE: MAY 1992  
**AYRES**  
 ASSOCIATES

GROUND WATER CONTOURS  
 & CONTAMINANT PLUME

FIGURE  
 3

Document Number

GROUNDWATER USE RESTRICTION

VOL 924 records page 346

463275

Recording Area 63275

DUNN COUNTY  
REGISTER OF DEEDS  
JAMES M. MRDUTT  
RECORDED ON

10-20-2000 10:30 AM

REC FEE: 12.00  
TRANS FEE:  
FEE EXEMPT #:  
PAGES: 2

Declaration of Restrictions

Part of the NE ¼ of the NE ¼, Section 33, Township 31 N, Range 14 W, Dunn County, Wisconsin, described as follows: Commencing at the NE corner of said NE ¼ of NE ¼; thence south on the east line thereof, 20 ½ rods, thence west 24 ½ rods, more or less to the center of State Trunk Highway "79", thence southwesterly along the center of said highway 240 feet to a point designated initial point, thence continuing southwesterly along the center of said highway 150 feet to the point of the beginning of the parcel hereby described; thence continuing southwesterly along the center of said Highway, 75 feet, thence west 302 feet, more or less, to the east line of the parcel conveyed to the Northwest Rod and Gun Club in a deed dated January 30, 1962 and recorded in the Register of Deeds Office for Dunn County, Wisconsin, in Volume 170 of Deeds, page 291; thence Northerly along said East line of aforesaid parcel to a point West of the point of beginning; said point being at the low water line of Hay River, thence continuing Northeasterly along said low water line 150 feet, more or less, to a point West of the before mentioned initial point; thence East 200 feet, more or less to said initial point; thence Southwesterly 150 feet to the point of beginning.

Name and Return Address

DOWNING WISCONSIN  
N12445 STATE ROAD 79  
DOWNING WISCONSIN

Subject to existing highway easements.

Parcel ID Number

Site Address: Swenson's Oil  
~~Box 00~~ N12445 STR. 79  
Downing, WI 54734

STATE OF WISCONSIN )  
                                  ) SS  
COUNTY OF DUNN     )

WHEREAS, James K. Swenson and Karen Swenson are the owners of the above described property.

WHEREAS, one or more petroleum discharges have occurred at this property. Petroleum contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement standards exists on this property at the following location(s): In the proximity of former monitoring well MW-3 and MW-7, free product was present in 1999. Additionally dissolved contamination at the former locations of MW-4 and MW-5. Residual soil contamination exists in the former location of the under ground storage tanks near MW-7 The locations of the monitoring wells are depicted on the attached Exhibit A which is hereby made a part of this restriction.

WHEREAS, the Wisconsin Department of Natural Resources considers this case conditionally "closed," having determined that no further action is necessary to protect human health or the environment if a groundwater use restriction and a deed notice regarding residual soil contamination are recorded.

WHEREAS, it is the desire and intention of the property owners to impose on the property restrictions that will make it unnecessary to conduct additional groundwater or soil remediation activities on the property at the present time.

WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality exceeds the drinking water standards in ch. NR 809, Wis. Adm. Code is restricted by ch. NR 811, Wis. Adm. Code and ch. NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well

construction prohibitions may apply.

NOW THEREFORE, the owners hereby declare that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering or if groundwater is otherwise extracted from this property in the future while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and and extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors and assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that the restrictions set forth in this covenant are no longer required. Upon receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit with a copy of the Department's written determination can be recorded to give notice that this groundwater use restriction is no longer binding.

IN WITNESS WHEREOF, the owners of the property have executed this Declaration of Restrictions, this 18 day of Oct, 2000.

Signature: James K. Swenson

Printed Name: James K. Swenson

Title: Property Owner

Signature: Karen Swenson

Printed Name: Karen. Swenson

Title: Property Owner

Subscribed and sworn to before me

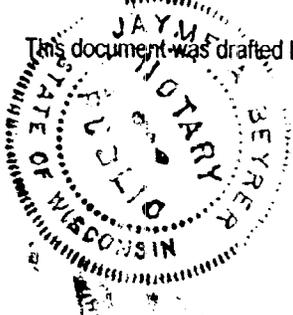
this 18 day of Oct, 2000.

Jayne A. Beefer 10/18/00

Notary Public, State of Wisconsin

My commission 4-27-03

This document was drafted by Ayres Associates based on comments from the Wisconsin Department of Natural Resources



Volume 175 Deeds Page 258

QUIT CLAIM DEED

NUMBER

This Indenture,

Made this

4th

day of

January

A. D. 19 67

between Earl Schmidt and Daisy Schmidt, his wife

279232

and James Swenson a/k/a James K. Swenson, and Karen Swenson, his wife, as joint tenants

parties of the first part,

part 1/3 of the second part.

WITNESSETH, That the said part 1/3 of the first part, for and in consideration of the sum of

One Dollar and other good and valuable consideration - - - - - Dollars,

to them in hand paid by the said part 1/3 of the second part, the receipt whereof is hereby confessed and acknowledged, he ve given,

granted, bargained, sold, remised, released and quit-claimed, and by these presents do give, grant, bargain, sell, remise, release and quit-claim unto

the said part 1/3 of the second part, and to their heirs and assigns forever, the following described real estate, situated in the County

of Dunn State of Wisconsin, to-wit:

Part of the Northeast Quarter of the Northeast Quarter (NE 1/4 NE 1/4), Section Thirty-three (33), Township Thirty-one (31), North, Range Fourteen (14) West, Dunn County, Wisconsin, described as follows: Commencing at the Northeast corner of said Northeast Quarter of the Northeast Quarter (NE 1/4 NE 1/4); thence South on the East line thereof, 20 1/2 rods, thence West 24 1/2 rods, more or less to the center of State Trunk Highway "79", thence Southwesterly along the center of said Highway 240 feet to a point designated initial point; thence continuing Southwesterly along the center of said highway 150 feet to the point of beginning of the parcel hereby described; thence continuing Southwesterly along the center of said highway, 75 feet; thence West 302 feet, more or less, to the East line of the parcel conveyed to the Northwest Rod & Gun Club in a deed dated January 30, 1962 and recorded in the Register of Deeds Office for Dunn County, Wisconsin, in Volume 170 of Deeds, page 291; thence Northerly along said East line of aforesaid parcel to a point West of the (point of beginning; said point being at the low water line of Hay River; thence continuing Northeasterly along said low water line 150 feet, more or less, to a point West of the) before mentioned initial point; thence East 200 feet, more or less to said initial point; thence Southwesterly 150 feet to the point of beginning. Subject to existing highway and easements.

The consideration for this conveyance is less than \$100

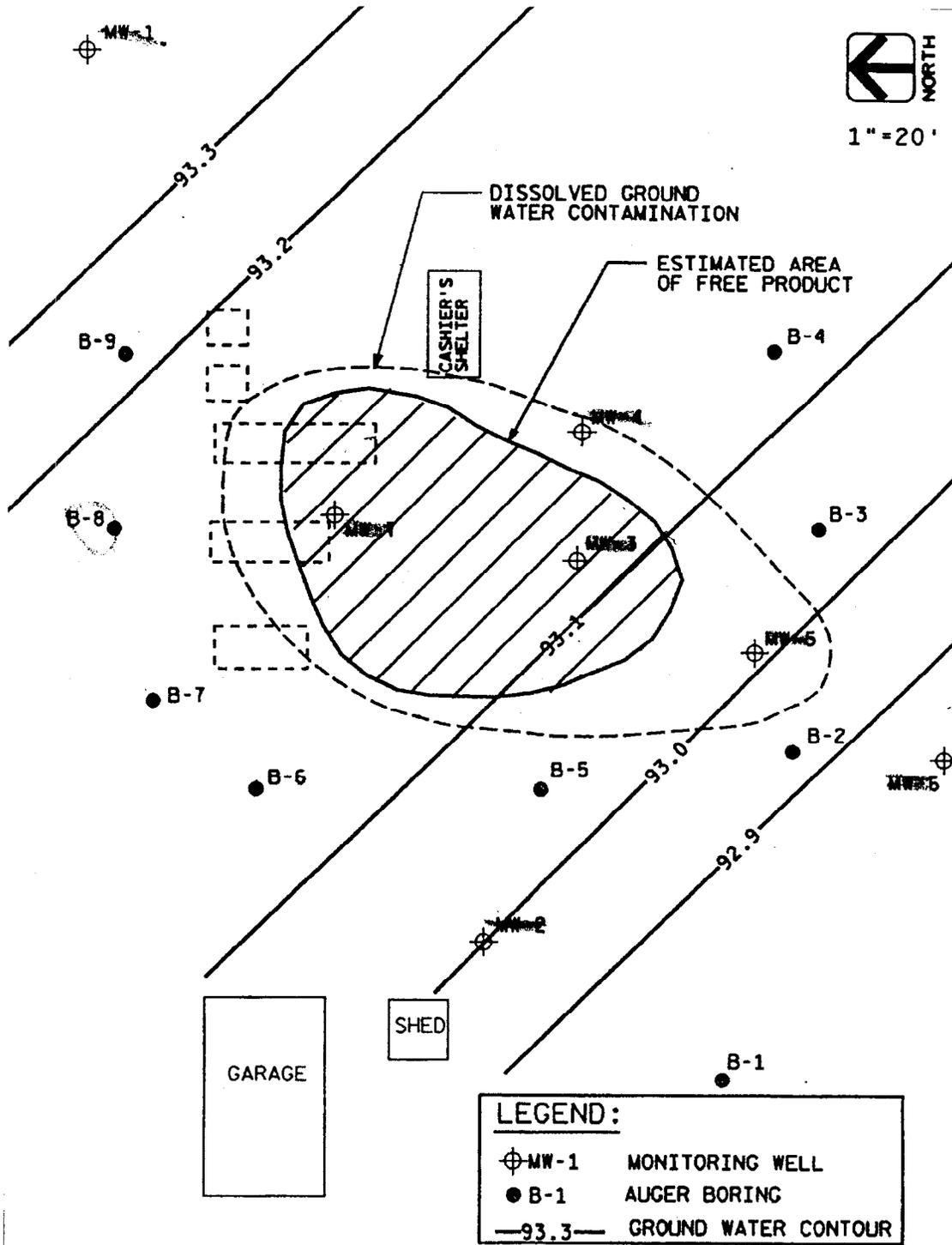
The purpose of this conveyance is to correct an error in a former deed and to create a joint tenancy in the grantees herein.

TO HAVE AND TO HOLD the same, together with all and singular the appurtenances and privileges thereto belonging or in anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever of the said part 1/3 of the first part, either in law or equity, either in possession or expectancy of, to the only proper use, benefit and behoof of the said part 1/3 of the second part, their heirs and assigns forever.

IN WITNESS WHEREOF, the said part 1/3 of the first part ha ve hereunto set their hands and seals 4th day of January, A. D., 19 67.

Signed and Sealed in Presence of CLARENCE E. SMITH Clarence E. Smith

EARL SCHMIDT Earl Schmidt (SEAL) DAISY SCHMIDT Daisy Schmidt (SEAL)

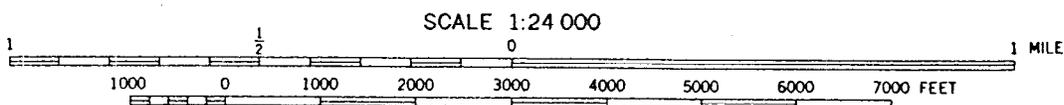
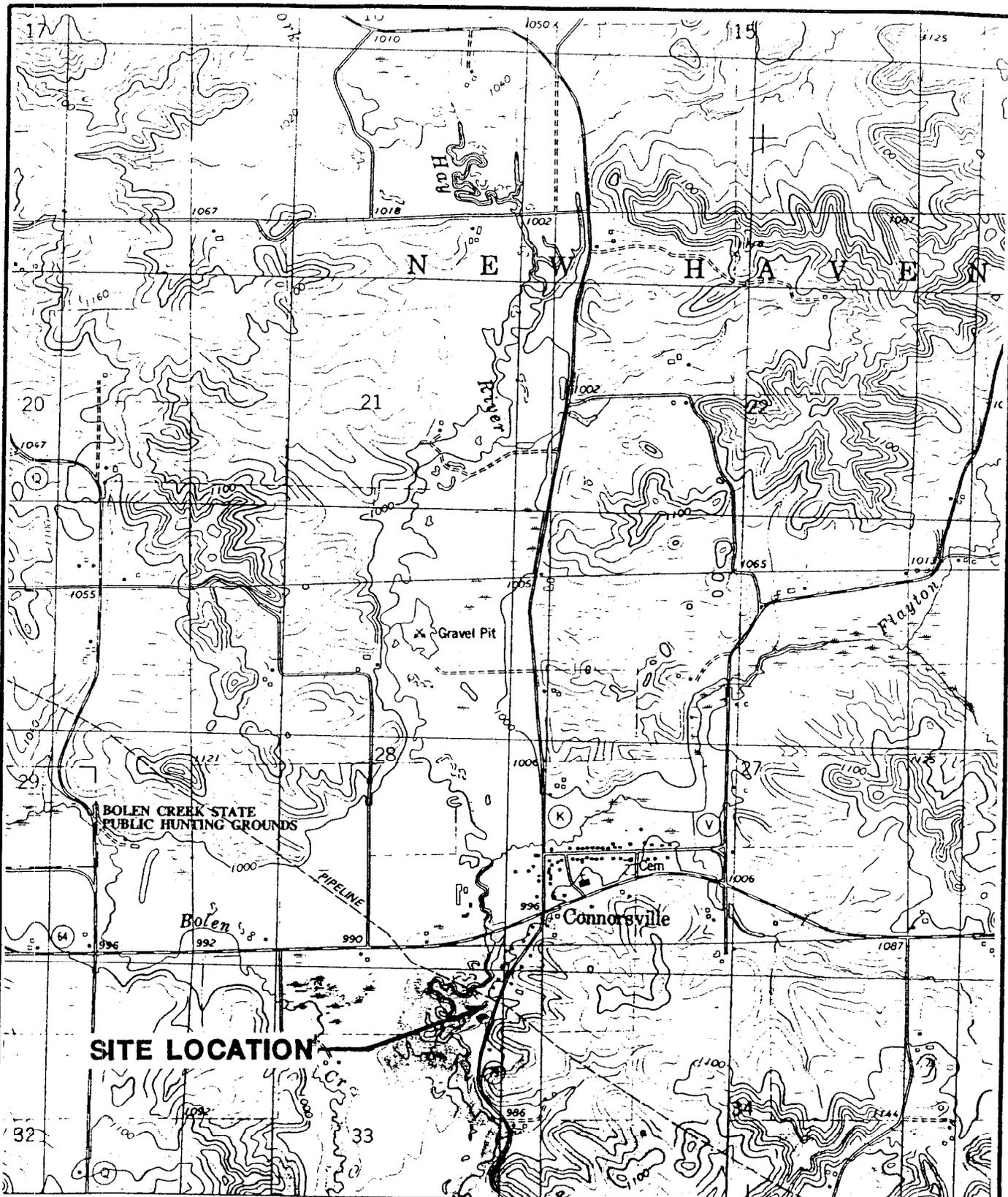


REMEDIAL INVESTIGATION  
 SWENSON OIL COMPANY  
 CONNERSVILLE, WISCONSIN

DRN. BY: MLE ML  
 CHK. BY: DW  
 DATE: MAY 1992  
**AYRES**  
 ASSOCIATES

GROUND WATER CONTOURS  
 & CONTAMINANT PLUME

FIGURE  
 3



REMEDIAL INVESTIGATION  
 SWENSON OIL COMPANY  
 CONNORSVILLE, WISCONSIN

DRN. BY: MLE  
 CHK. BY: DW  
 DATE: MAY 1992  
**AVRES**  
 ASSOCIATES

LOCATION MAP

FIGURE  
 1

MW-1



1"=20'

APPROX. LIMITS OF TANK EXCAVATION

TANK #5  
1000 GAL.  
UNLEADED GAS

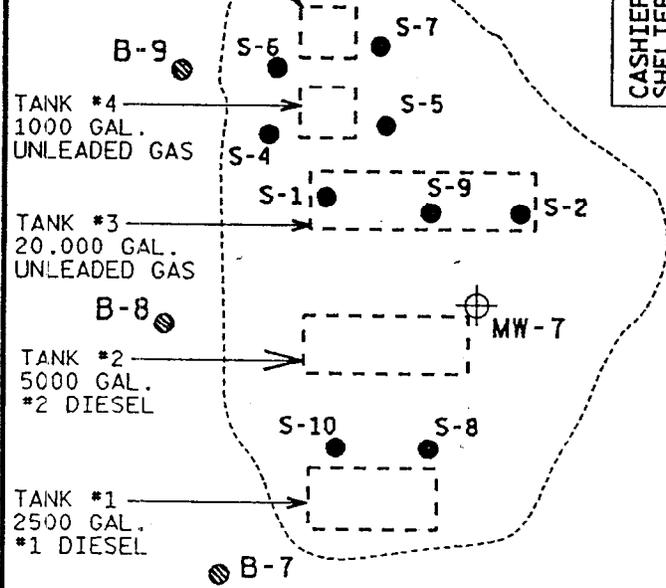
TANK #4  
1000 GAL.  
UNLEADED GAS

TANK #3  
20,000 GAL.  
UNLEADED GAS

TANK #2  
5000 GAL.  
#2 DIESEL

TANK #1  
2500 GAL.  
#1 DIESEL

CASHIER'S  
SHELTER



SAMPLE S-3 TAKEN  
FROM STOCKPILE

GARAGE

SHED

MW-2

**LEGEND:**

-  MW-1 MONITORING WELL
-  B-1 AUGER BORING
-  S-1 SOIL SAMPLE

2821SITE.DGN

REMEDIAL INVESTIGATION  
SWENSON OIL COMPANY  
CONNERSVILLE, WISCONSIN

DRN. BY: MLE *MLE*  
CHK. BY: DW  
DATE: MAY 1992  
**AYRES**  
ASSOCIATES

SITE PLAN

FIGURE  
2

MW-1



1" = 20'

93.3

DISSOLVED GROUND WATER CONTAMINATION

ESTIMATED AREA OF FREE PRODUCT

CASHIER'S SHELTER

B-9

B-4

93.2

MW-4



B-8

MW-1

MW-3

B-3

B-7

93.1

MW-5

B-6

B-5

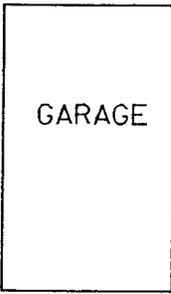
93.0

B-2

MW-6

MW-2

92.9



B-1

LEGEND:

⊕ MW-1 MONITORING WELL

● B-1 AUGER BORING

—93.3— GROUND WATER CONTOUR

REMEDIAL INVESTIGATION  
SWENSON OIL COMPANY  
CONNERSVILLE, WISCONSIN

DRN. BY: MLE *me*

CHK. BY: DW

DATE: MAY 1992



GROUND WATER CONTOURS  
& CONTAMINANT PLUME

FIGURE

3

2821GWCN.DGN

**TABLE 1**  
**GROUND WATER SAMPLING RESULTS**  
**SWENSON'S OIL**  
**CONNORSVILLE, WISCONSIN**

Sample Location	Sample Date	Free Product (feet)	GRO (ug/L)	DRO (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	1,3,5 TMB (ug/L)	1,2,4 TMB (ug/L)	Dissolved Iron (mg/L)	Nitrate + Nitrite (mg/)	Sulfate (Total) mg/L)	pH	Redox (mv)	Dis. Oxygen (mg/L)
MW-1	8/22/91	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/6/91	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/7/95	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/5/96	NP	<30	NA	<0.2	<0.2	<0.2	<0.5	<0.3	<0.3	<0.4	NA	NA	NA	NA	NA	NA
	10/9/97	NP	<30	NA	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.03	3.35	8.7	NA	NA	NA
	2/2/98	NP	<30	<27	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	4.36	11	7.05	167.2	13
	5/4/98	NP	<30	<26	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	0.084	4.67	7.8	7.18	353.4	8.2
	7/16/93	NP	<30	<28	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	4.18	NA	7.22	216.3	14.5
	10/16/98	NP	<30	<26	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	7.18	10.2	7.22	169.4	10
MW-2	8/22/91	NP	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/6/91	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/7/95	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/5/96	NP	<30	NA	<0.2	<0.2	<0.2	<0.5	<0.3	<0.3	<0.4	NA	NA	NA	NA	NA	NA
	10/9/97	NP	<30	NA	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.03	3.35	8.7	NA	NA	NA
	2/2/98	NP	<30	<27	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	2.92	10.4	7.09	194.2	8.4
	5/4/98	NP	<30	<27	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	3.44	9.8	7.35	292.0	9.1
	7/16/93	NP	<30	<28	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	4.35	NA	7.03	218.1	11.9
	10/16/98	NP	<30	<26	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	5.23	13	7.2	220.2	8.42
MW-3	8/22/91	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/6/91	1.4	260000	NA	2800	4200	500	2950	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/7/95	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/5/96	0.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/9/97	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/2/98	0.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/4/98	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/16/93	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/98	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	11/19/91	NP	ND	NA	1.0	3.0	2.0	16.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/91	NP	ND	NA	4.0	4.0	2.0	18.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/7/95	NP	4/14/01	NA	2.2	3.5	2.7	15.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/5/96	NP	239	12,000	<0.2	0.9	<0.2	0.6	<0.3	<0.3	1.8	NA	NA	NA	NA	NA	NA
	10/9/97	NP	42	NA	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	0.3	<0.03	5.26	11.5	NA	NA	NA
	2/2/98	NP	<30	100	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	4.13	8.5	6.75	81.3	6.1
	5/4/98	NP	<30	690	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	0.3	<0.02	3.72	7.6	7.26	112.0	5.1
	7/16/93	NP	<30	920	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	5.4	NA	6.83	138.5	5.04
	10/16/98	NP	43	380	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	1.1	<0.02	3.44	16	6.9	96.5	4.81

**ABBREVIATIONS AND ACRONYMS**

GRO = Gasoline Range Organics  
DRO = Diesel Range Organics  
B = Benzene  
E = Ethylbenzene  
T = Toluene  
X = Total Xylenes  
MTBE = Methyl tert-butyl ether  
1,2,4 - TMB = 1,2,4-Trimethylbenzene  
1,3,5 -TMB = 1,3,5-Trimethylbenzene  
ug/L = milligrams per kilogram  
NS = No standard NP = Not present

**FOOTNOTES**

\* = See the analytical results for specific notes on this constituent  
<sup>a</sup> = Former wells  
1,2,4 - TMB: Proposed ES and PAL limits  
1,3,5 -TMB: Proposed ES and PAL limits

**DESIGNATIONS**

Blank boxes in table represent samples that were not analyzed  
30 = Exceedance of NR 140 Ground Water Quality Preventive Action Limits (PAL)  
400 = Exceedance of NR 140 Ground Water Quality Enforcement Standards (ES)  
< = Detected at a lesser quantity than this value

**TABLE 1  
GROUND WATER SAMPLING RESULTS  
SWENSON'S OIL  
CONNORSVILLE, WISCONSIN**

Sample Location	Sample Date	Free Product (feet)	GRO (ug/L)	DRO (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	1,3,5 TMB (ug/L)	1,2,4 TMB (ug/L)	Dissolved Iron (mg/L)	Nitrate + Nitrite (mg/L)	Sulfate (Total) (mg/L)	pH	Redox (mv)	Dissolved Oxygen (mg/L)
MW-5	11/19/91	NP	2800	NA	180	130	470	740	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/91	NP	3900	NA	2400	590	4700	3110	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/7/95	NP	4/21/32	NA	3200	670	4300	4110	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/5/96	NP	1,660	3,000	177	406	72	151	<3.0	9.7	60	NA	NA	NA	NA	NA	NA
	10/9/97	NP	4,800	NA	200	1,100	280	950	<0.5	100	300	4.24	0.79	8.65	NA	NA	NA
	2/2/98	NP	5,000	5,000	320	1,400	400	1,260	<10	85	250	8.65	2.02	8.1	6.73	-79.1	2.5
	5/4/98	NP	7,800	<27	1000	3,400	380	1,580	15	110	350	16.4	0.51	1.5	6.6	-66.4	1.13
	7/16/98	NP	3,000	1,600	280	620	140	480	<4.0	34	130	9.84	1.31	NA	6.73	-18.3	0.26
	10/16/98	NP	2,300	1,900	190	480	95	310	<5.0	28	98	8.89	1.85	4.4	6.82	-28.9	0.2

MW-6	11/19/91	NP	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/91	NP	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/7/95	NP	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/5/96	NP	<30	<31	<0.2	<0.2	<0.2	<0.5	<0.3	<0.3	<0.4	NA	NA	NA	NA	NA	NA
	10/9/97	NP	<30	NA	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	0.051	1.48	5.12	NA	NA	NA
	2/2/98	NP	<30	<27	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	0.03	3.08	9.8	6.75	210.8	8.8
	5/4/98	NP	<30	1800	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	0.029	0.78	2.7	7.63	102.2	6.13
	7/16/98	NP	<30	<28	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	0.7	NA	6.59	253.7	12
	10/16/98	NP	<30	<26	<0.2	<0.2	<0.3	<0.9	<0.2	<0.3	<0.3	<0.02	2.66	5.6	6.45	225.1	6.44

MW-7	11/19/91	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/91	0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/7/95	0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/5/96	0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/9/97	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/2/98	0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/4/98	NP	2100	69000	87	370	38	330	5	34	76	1.4	3.31	8.2	7.3	13.5	1.1
	7/16/98	NP	520	5700	10	53	9.9	80	0.8	7.6	19	0.453	4.28	NA	6.83	44.8	0.7
	10/16/98	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NR 140 ES	NS	NS	NS	5	343	700	620	60	NS								
NR 140 PAL	NS	NS	NS	0.5	68.6	140	124	12	NS								

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