GIS REGISTRY INFORMATION

SITE NAME: Fort Flambeau Resort

BRRTS #: 03-26-000497 **FID # (if appropriate):**

COMMERCE # (if appropriate):

CLOSURE DATE: 11/25/03

STREET ADDRESS: 6168 Downey Rd

CITY: Butternut

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 501291.75 Y= 623245.5625

CONTAMINATED MEDIA: Groundwater [X] Soil [ ] Both [ ]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: [ ] Yes [X] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter issued [X]

Copy of most recent deed, including legal description, for all affected properties [X]

Certified survey map or relevant portion of the recorded plat map *(if referenced in the legal description)* **for all affected properties** [X]

County Parcel ID number, *if used for county*, for all affected properties (on list) [X]

Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site. [X]

Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs. [X]

Tables of Latest Groundwater Analytical Results (no shading or cross-hatching) [X]

Tables of Latest Soil Analytical Results (no shading or cross-hatching) [X]

Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.** [X]

GW: Table of water level elevations, with sampling dates, and free product noted if present [X]

GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees) [X]

SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour N/A [ ]

Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy) [X]

RP certified statement that legal descriptions are complete and accurate [X]

Copies of off-source notification letters (if applicable) [X]

Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW) N/A [ ]

Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure* N/A [ ]

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

November 25, 2003

Mr. John Strands
947 Holly Tree Lane
Fond du Lac, WI 54935

SUBJECT: Final Case Closure By Closure Committee
Fort Flambeau Resort, 6168 Downey Rd, Butternut, WI
WDNR BRRTS #: 03-26-000497

Dear Mr. Strands:

On September 7, 2000, your site as described above was reviewed for closure by the Northern Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On September 18, 2000, you were notified that the Closure Committee had granted conditional closure to this case.

Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm.

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 715-365-8990.

Sincerely,
NORTHERN REGION

Janet Kazda

Janet Kazda
Remediation and Redevelopment Program

cc: File

Joe Aldworth
Fort Flambeau Condominium Association
713 Morning Star Lane
Madison, WI 53704

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

September 18, 2000

Mr. John Strands
409 Greenbriar Ave
Fond du Lac, WI 54935-1836

Subject: Fort Flambeau Resort, 61680Downey Rd, Butternut, WI
BRRTS # 03-26-000497 PECFA #54514-9308-68

Dear Mr. Strands:

The Department of Natural Resources provided a notice to you that the degree and extent of petroleum contamination at the above-named site was required to be investigated and remediated. We have since been informed that the required investigation and remediation has been accomplished.

On September 7, 2000, the above-named site was reviewed by the Northern Region Closeout Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code.

Based on the investigative and remedial documentation provided to the Department, it appears that the petroleum contamination at the above-named site has been remediated to the extent practicable under current site conditions, and that no further action is necessary at this time. Therefore, the Department will consider the case "closed," pursuant to NR 726.05(8)(am), if the responsible party sign and record a Groundwater Use Restriction for the property.

Please send a copy of the deed for your property to me at the above address within 30 days.

Enclosed is an example of a Groundwater Use Restriction. Please draft a specific Groundwater Use Restriction for this site and submit the draft to me. This document is available on the Department's website at www.dnr.state.wi.us. Department of Natural Resources attorneys will review the draft and return it to you with revisions. After you have made the revisions, you should sign and record the restriction with the County Register of Deeds. To document that this condition has been complied with, the responsible party must submit to the Department a copy of the recorded Groundwater Use Restriction, with the recording information stamped on it, within 15 days after the Register of Deeds returns the Groundwater Use Restriction to the responsible party. The Groundwater Use Restriction may be amended in the future with the approval of DNR is conditions change at the site and the residual contamination is remediated.

The groundwater use restriction is an option that the Department can offer to you in order to close this site. If you choose not to accept this option, you may perform additional investigation and cleanup of the remaining contamination. Note that this additional work may not be eligible for reimbursement through the Petroleum Environmental Cleanup Fund Award (PECFA) Program.

You should contact the Department of Commerce to determine eligibility of the additional work for reimbursement.

Please note that this case closure is contingent upon proper documentation of proper abandonment of the monitoring wells on site. If monitoring wells remain at this site, please provide the documentation that this action has been completed, or have your consultant do so. Please complete Form 3300-5B and send it to my attention at the above address.

If you have any additional information which was not formerly provided to the Department, and which you feel would significantly impact this closure decision, you may submit that information for our re-evaluation of case closure.

If you have any questions, please call me at 715-365-8990.

Sincerely,
NORTHERN REGION

Janet Kazda

Janet Kazda
Case Closeout Committee

cc: File
Lori Huntoon, Dept of Commerce
Steve Karklins, DG/2
Chuck Fitzgerald, Rhinelander
Ron Becker, Rhinelander
Kathy Bartilson, Spooner
Chris Saari, Brule

David Larson
REI
4080 N 20th Ave
Wausau, WI 54401

MER- 0387

REGISTER'S OFFICE
IRON COUNTY, WIS.
Received for Record the 6 day of OCT 1993 at 10 o'clock A.M. and duly recorded in Vol. 17 of Records on Page 497-502
Register of Deeds

105017

DECLARATION OF CONDOMINIUM OF FORT FLAMBEAU CONDOMINIUM, BUTTERNUT, WISCONSIN

THIS DECLARATION OF CONDOMINIUM, made this 27th day of September, 1993, by JOHN T. AND SANDRA L. STRANDS, of Fond du Lac, Wisconsin, hereinafter referred to as the "Declarants", for themselves, their successors in interest and assigns, Witnesseth:

Wherein, the Declarants hereby make the following Declarations:

1. STATEMENT OF DECLARATIONS.

A. The purpose and intent of this Declaration is to submit the lands herein described and the improvements thereon located, to the condominium form of ownership and use, in the manner provided by Chapter 703, Wisconsin Statutes, as created by Chapter 407, Laws of 1977 of the State of Wisconsin, as amended, which said chapter shall be hereinafter referred to as the "THE CONDOMINIUM OWNERSHIP ACT" or the "ACT".

B. Declarants hereby declares that they are the sole owners of the real property described in Section Three (3) hereof, together with all buildings and improvements thereon which is hereby submitted to the condominium form of use and ownership as provided in the Act and these Declarations, and which property shall be held, conveyed, devised, leased, encumbered, used, improved, and in all respects otherwise affected subject to the provisions, conditions, covenants, restrictions and easements of this Declaration and the Act. All provisions hereof shall be deemed to run with the land and shall constitute benefits and burdens to Declarants, their successors in interest and assigns.

2. NAME. The name of the condominium shall be FORT FLAMBEAU

CONDOMINIUM, and its address shall be 6168 Downey Road, Butternut, Wisconsin 54514.

3. LAND. The lands owned by the Declarants which are hereby submitted to the condominium form of ownership, are the following described lands, lying in Iron County, Wisconsin:

A parcel of land in the SE¼ of the SE¼ and the SW¼ of the SE¼, Section 28, and in the NE¼ of the NE¼, Section 33, all in Township 42 North, Range 2 East, Town of Mercer, Iron County, Wisconsin, more particularly described as follows:

Commencing at the Quarter Corner to Sections 28 and 33, marked by a 1¼" iron pipe; thence N83°28'22"E (solar bearings), 1231.32 feet to the place of beginning, marked by a 1" iron pipe near the shore of the Turtle-Flambeau Flowage and on the northeasterly boundary of that Certified Survey Map recorded in Volume 2 of Certified Survey Maps on page 157.

Thence meandering along the Turtle-Flambeau Flowage: N4°41'51"E, 348.82 feet; S45°55'54"E, 173.96 feet; S76°22'16"E, 156.72 feet; S48°50'40"E, 179.85 feet; S31°52'19"E, 207.52 feet; S52°21'49"E, 119.96 feet; and S2°54'55"E, 39.62 feet to a 1" iron pipe on the north line of that Certified Survey Map recorded in Volume 2 of Certified Survey Maps on page 141; thence leaving the lake and along the boundary of said Certified Survey Map recorded in Volume 2 of Certified Survey Maps on page 141: N86°44'47"W, 90.38 feet to a 1" iron pipe; S4°56'51"W, 13.68 feet to a 1" iron pipe; N85°20'33"W, 86.28 feet to a 1" iron pipe; and S33°13'46"W, 106.89 feet to a 1" iron pipe on the right-of-way line of the northerly terminus of Downey Road; thence N86°52'20"W, 10.78 feet along said right-of-way line to a 1" iron pipe; thence S40°27'45"W, 81.40 feet along the northwest right-of-way line of Downey Road to a 1" iron pipe on the northeasterly boundary of the aforementioned Certified Survey Map recorded in Volume 2 of Certified Survey Maps on page 157; thence along the northeasterly boundary of said Certified Survey Map: N39°37'43"W, 350.00 feet to a 1" iron pipe; and N51°15'14"W, 160.36 feet to the place of beginning.

The above lateral lot lines extend to the lake, including all riparian rights thereto.

Said parcel of land has an area of 5.31 acres.

Subject to any easements, reservations or rights-of-way of record or of use, and to a perpetual easement for public utilities.

4. DEFINITIONS. The terms used herein and in the By-Laws shall have the meanings stated in the CONDOMINIUM OWNERSHIP ACT, Chapter 703, Wisconsin Statutes. Specifically, the following terms have the following meanings:

corporation known as FORT FLAMBEAU CONDOMINIUM, INC.

DATED this 24 day of Sept., 1993.

FORT FLAMBEAU
CONDOMINIUM, INC.

John T. Strands

Sandra L. Strands

Dorothy Boedeker

STATE OF WISCONSIN)
) ss.
COUNTY OF Fond du Lac)

Personally came before me this 27th day of September, 1993, the above named John T. Strands, to me known to be the person and the officer who executed the foregoing instrument and acknowledged the same.

Kathleen M Nachtwey
Notary Public, State of Wisconsin
My Commission Expires: July 21, 1996

STATE OF WISCONSIN)
) ss.
COUNTY OF)

Personally came before me this 24th day of Sept, 1993, the above named Sandra L. Strands, to me known to be the person and the officer who executed the foregoing instrument and acknowledged the same.

Christine A Rockwell
Notary Public, State of Wisconsin
My Commission Expires: 5-26-96

STATE OF WISCONSIN)
) ss.
COUNTY OF)

Personally came before me this 7th day of October, 1993, the above named Dorothy Boedeker, to me known to be the person and the officer who executed the foregoing instrument and acknowledged the same.

Shirley Lee Hurley
Notary Public, State of Wisconsin
My Commission Expires: _____
Notary Public, State of Florida at Large
My Commission Expires May 21, 1904
Bonded Thru Brown & Brown, Inc.

FINAL

Fort Flambeau Condominium

Part of the

SW1/4 of the SE1/4

and part of the

SE1/4 of the SE1/4

SECTION 28, T42N, R2E

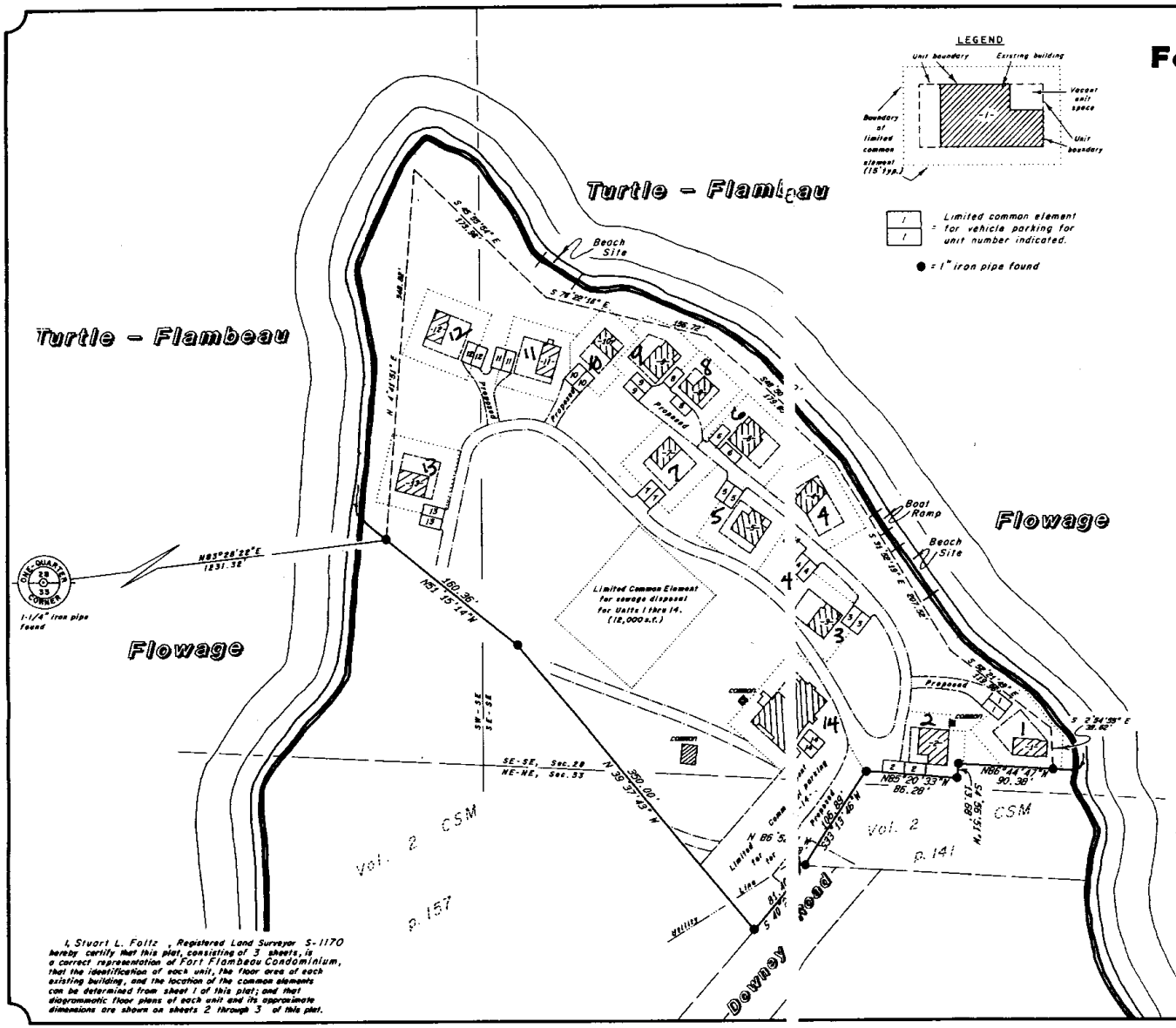
and part of the

NE1/4 of the NE1/4

SECTION 33, T42N, R2E

Town of Mercer

Iron County, Wisconsin



LEGEND

= Limited common element for vehicle parking for unit number indicated.

● = 1" iron pipe found

NOTE:
An area, as dimensioned outward from the perimetrical boundary of each unit, where space is available, is a limited common element, appurtenant to the respective unit, as defined in the Declaration; where sufficient space is not available to permit the dimensions shown because of unit proximity, this limited common element shall be reduced and equally prorated between the adjacent units.

Total first floor area of existing structures = 11,202 s.f.
x 10
Total area required = 112,020 s.f.

Total area available = 231,200 s.f.

Bearings Solar

N

Scale: 1" = 80'
0' 40' 80'

I, Stuart L. Foltz, Registered Land Surveyor S-1170 hereby certify that this plat, consisting of 3 sheets, is a correct representation of Fort Flambeau Condominium, that the identification of each unit, the floor area of each existing building, and the location of the common elements can be determined from sheet 1 of this plat; and that diagrammatic floor plans of each unit and its approximate dimensions are shown on sheets 2 through 3 of this plat.

WISCONSIN STUART L. FOLTZ S-1170 WOODRUFF, WIS. LAND SURVEYOR 9/6/1995

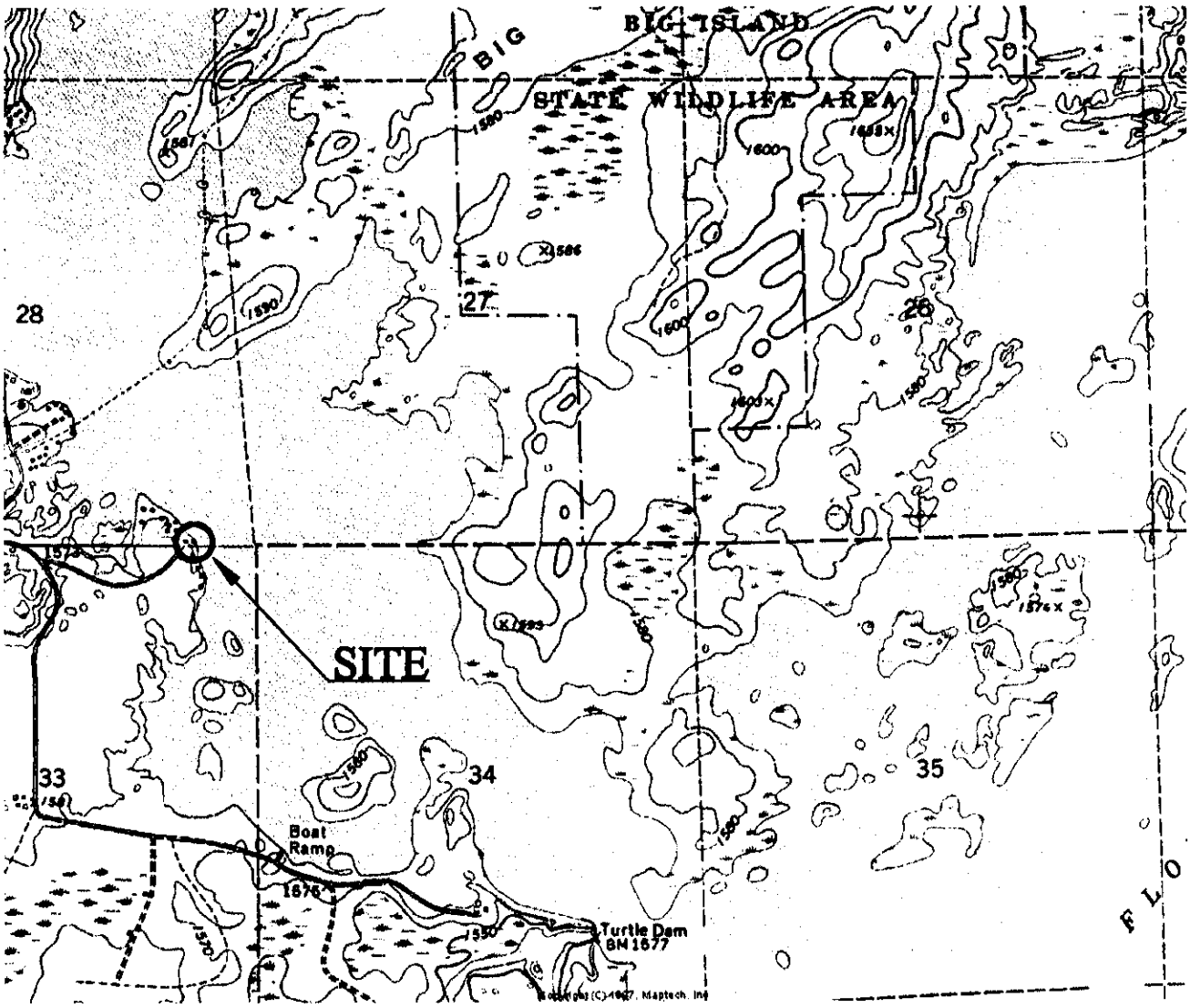
Inman • Foltz and Associates, Inc.
architects engineers surveyors
8612 highway 51 north
minocqua, wisconsin 54548 (715) 356-9485

Sheet 1 of 3

For Flambeau Condominium
Iron County Tax Parcel ID #s

Unit 1	12-3882-0000
Unit 2	12-2883-0000
Unit 3	12-3884-0000
Unit 4	12-3885-0000
Unit 5	12-3886-0000
Unit 6	12-3887-0000
Unit 7	12-3888-0000
Unit 8	12-3889-0000
Unit 9	12-3890-0000
Unit 10	12-3891-0000
Unit 11	12-3892-0000
Unit 12	12-3893-0000
Unit 13	12-3894-0000
Unit 14	12-3895-0000

REI
CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING



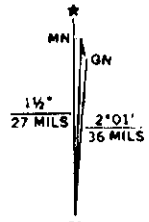
SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETRE

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

TURTLE-FLAMBEAU FLOWAGE, WIS.

SW/4 MERCER 15' QUADRANGLE

46090-A2-TF-024

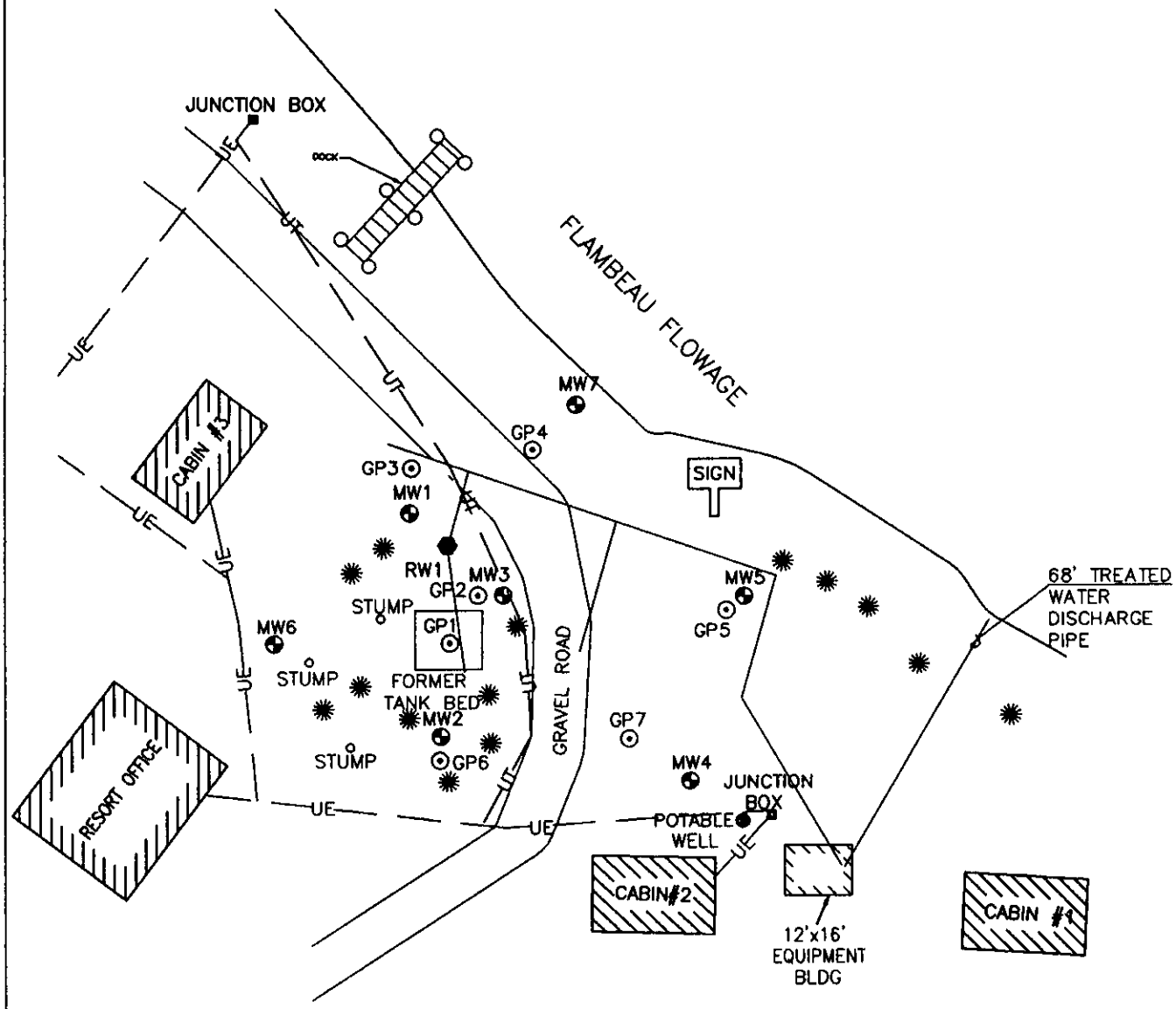
1973

DMA 2976 II SW SERIES V861

QUADRANGLE LOCATION

FORT FLAMBEAU RESORT & CAMPGROUND 6168 DOWNEY ROAD TOWN OF MERCER, WISCONSIN	FIGURE 1 : SITE VICINITY MAP		
	PROJECT NO. 0151	DRAWN BY: DDD	DATE: 11/9/99

REI
OIL & ENVIRONMENTAL ENGINEERING, SURVEYING



LEGEND

0 40

SCALE : 1" = 40'

- GEOPROBE LOCATION
- TRENCH FOR SYSTEM
- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- RECOVERY WELL LOCATION
- UT – UNDERGROUND TELEPHONE
- UE – UNDERGROUND ELECTRICAL LINES

NORTH

J:\DRAFTING\0151FORT\0151SITE.DWG

FORT FLAMBEAU RESORT & CAMPGROUND 6168 DOWNEY ROAD TOWN OF MERCER, WISCONSIN	FIGURE 2 : SITE MAP		
	PROJECT NO. 0151	DRAWN BY: DDD	DATE: 11/09/99

Table 4a
MW1
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				23-Jun-93	22-Sep-93	02-Dec-93	20-Apr-94	21-Jul-94	28-Jul-97	19-Jan-98	22-Jan-99	10-Jun-99
Parameter	**ES**	**PAL**	**Units**									
GRO			µg/l	4,000	105	X	X	X	NA	NA	NA	NA
VOC Parameters												
Benzene	5	0.5	µg/l	0.7	X	X	X	X	X	X	X	X
Toluene	343	68.6	µg/l	38.8	X	X	X	X	X	X	X	X
Ethylbenzene	700	140	µg/l	54.6	1.6	X	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	1070	14.5	X	X	3.1	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	637	7.6	X	X	1.7	X	X	X	X
Naphthalene	40	8	µg/l	64.6	5.3	X	NA	X	X	X	X	NA
n-Butylbenzene			µg/l	57.7	1.7	X	NA	X	NA	NA	NA	NA
sec-Butylbenzene			µg/l	1.3	X	X	NA	X	NA	NA	NA	NA
n-Propylbenzene			µg/l	48.2	X	X	NA	X	NA	NA	NA	NA
Isopropylbenzene			µg/l	17.8	X	X	NA	X	NA	NA	NA	NA
Methylene Chloride			µg/l	X	X	X	NA	X	NA	NA	NA	NA
tert-Butylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
1,2,4-Trichlorobenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Dichlorodifluoromethane			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Inorganics (mg/l)												
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	NA	X	X
Nitrate (as N)	10	2	mg/l	NA	NA	NA	NA	NA	NA	7.9	7.1	5.55
Sulfate	250	125	mg/l	NA	NA	NA	NA	NA	NA	11	12	8.36
Iron (filtered)	0.3	0.15	mg/l	NA	NA	NA	NA	NA	NA	0.08	0.046	X
Field Measurements												
Temperature			°F	NA	NA	NA	NA	NA	54.28	41.51	43.9	46.32
Conductivity			µS/cm	NA	NA	NA	NA	NA	122	151	166	139
Dissolved Oxygen			mg/l	NA	NA	NA	NA	NA	6.7	0.96	1.25	2.71
pH				NA	NA	NA	NA	NA	4.88	4.45	5.3	5
ORP			mV	NA	NA	NA	NA	NA	-25.6	279.5	216.2	300.9

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 4b
MW2
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				23-Jun-93	22-Sep-93	02-Dec-93	20-Apr-94	21-Jul-94	28-Jul-97	19-Jan-98	22-Jan-99	10-Jun-99
Parameter	**ES**	**PAL**	**Units**									
GRO			µg/l	X	X	X	X	X	NA	NA	NA	NA
VOC Parameters												
Benzene	5	0.5	µg/l	X	X	X	X	X	X	X	X	X
Toluene	343	68.6	µg/l	X	X	X	X	X	X	X	X	X
Ethylbenzene	700	140	µg/l	X	X	X	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	X	X	X	X	X	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X	X	X	X	X	X	X	X	X
Naphthalene	40	8	µg/l	X	X	X	NA	X	X	X	X	NA
n-Butylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
sec-Butylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
n-Propylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Isopropylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Methylene Chloride			µg/l	X	X	X	NA	X	NA	NA	NA	NA
tert-Butylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
1,2,4-Trichlorobenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Dichlorodifluoromethane			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Inorganics (mg/l)												
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	NA	X	X
Nitrate (as N)	10	2	mg/l	NA	NA	NA	NA	NA	NA	0.19	1.5	X
Sulfate	250	125	mg/l	NA	NA	NA	NA	NA	NA	8	8.1	10.7
Iron (filtered)	0.3	0.15	mg/l	NA	NA	NA	NA	NA	NA	0.02	0.023	X
Field Measurements												
Temperature			°F	NA	NA	NA	NA	NA	46.37	44.61	45.6	45.23
Conductivity			µS/cm	NA	NA	NA	NA	NA	47	42	60	64
Dissolved Oxygen			mg/l	NA	NA	NA	NA	NA	4.21	1.71	4.16	10.81
pH				NA	NA	NA	NA	NA	3.58	4.78	5.92	5.22
ORP			mV	NA	NA	NA	NA	NA	-28.3	266.4	205.8	261.9

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 4c

MW3
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

Parameter	ES	PAL	Units	23-Jun-93	22-Sep-93	02-Dec-93	20-Apr-94	21-Jul-94	28-Jul-97	19-Jan-98	22-Jan-99	10-Jun-99
GRO			mg/l	24,100	7,730	5,800	6,310	3,240	NA	NA	NA	NA
VOC Parameters												
Benzene	5	0.5	µg/l	723	237	246	106	531	820	200	X	X
Ethylbenzene	700	140	µg/l	267	1520	88.1	28.2	X	190	200	X	3.79
Toluene	343	68.6	µg/l	5420	144	638	301	955	350	46	X	15
Xylenes (mixed isomers)	620	124	µg/l	5210	1477	1165	1422	698	1600	430	X	194.8
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	1773	613	634	1015	196.7	910	260	12.99	49.5
Naphthalene	40	8	µg/l	X	90.2	49.9	NA	X	X	44	X	NA
n-Butylbenzene			µg/l	303	143	182	NA	X	NA	NA	NA	NA
sec-Butylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
n-Propylbenzene			µg/l	X	25.1	16.6	NA	X	NA	NA	NA	NA
Isopropylbenzene			µg/l	X	11.6	8.5	NA	X	NA	NA	NA	NA
Methylene Chloride			µg/l	X	X	X	NA	X	NA	NA	NA	NA
tert-Butylbenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
1,2,4-Trichlorobenzene			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Dichlorodifluoromethane			µg/l	X	X	X	NA	X	NA	NA	NA	NA
Inorganics (mg/l)												
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	NA	X	19.2
Nitrate (as N)	10	2	mg/l	NA	NA	NA	NA	NA	NA	0.32	0.78	X
Sulfate	250	125	mg/l	NA	NA	NA	NA	NA	NA	9	9.3	28.7
Iron (filtered)	0.3	0.15	mg/l	NA	NA	NA	NA	NA	NA	2.8	1.2	1.76
Field Measurements												
Temperature			°F	NA	NA	NA	NA	NA	53.14	41.71	44.52	46.35
Conductivity			µS/cm	NA	NA	NA	NA	NA	163	90	98	189
Dissolved Oxygen				NA	NA	NA	NA	NA	5.03	0.84	1.09	2.22
pH			mg/l	NA	NA	NA	NA	NA	5.64	4.72	5.62	5.25
ORP			mV	NA	NA	NA	NA	NA	-31.2	269.7	198	115.2

Notes:

All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 4d
MW4
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				22-Sep-93	02-Dec-93	20-Apr-94	21-Jul-94	28-Jul-97	19-Jan-98	22-Jan-99	10-Jun-99
Parameter	**ES**	**PAL**	**Units**								
GRO			mg/l	X	X	X	X	NA	NA	NA	NA
VOC Parameters											
Benzene	5	0.5	µg/l	X	X	X	X	X	X	X	X
Toluene	343	68.6	µg/l	3.4	X	X	X	X	X	X	X
Ethylbenzene	700	140	µg/l	X	X	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	X	X	X	X	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X	X	X	X	X	X	X	X
Naphthalene	40	8	µg/l	X	X	NA	X	X	X	X	NA
n-Butylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
sec-Butylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
n-Propylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
Isopropylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
Methylene Chloride			µg/l	X	X	NA	X	NA	NA	NA	NA
tert-Butylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
1,2,4-Trichlorobenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
Dichlorodifluoromethane			µg/l	X	X	NA	X	NA	NA	NA	NA
Inorganics (mg/l)											
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	X	X
Nitrite (as N)	10	2	mg/l	NA	NA	NA	NA	NA	0.32	3.6	1.38
Sulfate	250	125	mg/l	NA	NA	NA	NA	NA	9	8.6	5.02
Iron (filtered)	0.3	0.15	mg/l	NA	NA	NA	NA	NA	0.03	0.024	0.021
Field Measurements											
Temperature			°F	NA	NA	NA	NA	49.58	46.18	45.3	45.59
Conductivity			µS/cm	NA	NA	NA	NA	56	42	99	47
Dissolved Oxygen			mg/l	NA	NA	NA	NA	4.71	2.1	4.01	10.78
pH				NA	NA	NA	NA		5.5	5.79	5.43
ORP			mV	NA	NA	NA	NA	-45.9	253.5	210	280.7

ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 4e
MW5
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				22-Sep-93	02-Dec-93	20-Apr-94	21-Jul-94	28-Jul-97	19-Jan-98	22-Jan-99	10-Jun-99
Parameter	**ES**	**PAL**	**Units**								
GRO			mg/l	497	1,240	1,370	NS	NA	NS	NS	NA
VOC Parameters											
Benzene	5	0.5	µg/l	335	818	896	NS	X	NS	NS	X
Toluene	343	68.6	µg/l	3.2	2.2	1.1	NS	X	NS	NS	X
Ethylbenzene	700	140	µg/l	X	X	3.1	NS	X	NS	NS	X
Xylenes (mixed isomers)	620	124	µg/l	2.1	X	1.5	NS	X	NS	NS	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	NS	X	NS	NS	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	1	X	1.6	NS	X	NS	NS	X
Naphthalene	40	8	µg/l	10.6	33.6	NA	NS	X	NS	NS	NA
n-Butylbenzene			µg/l	X	1.6	NA	NS	NA	NS	NS	NA
sec-Butylbenzene			µg/l	X	X	NA	NS	NA	NS	NS	NA
n-Propylbenzene			µg/l	X	2.4	NA	NS	NA	NS	NS	NA
Isopropylbenzene			µg/l	2.1	7.1	NA	NS	NA	NS	NS	NA
Methylene Chloride			µg/l	X	X	NA	NS	NA	NS	NS	NA
tert-Butylbenzene			µg/l	X	X	NA	NS	NA	NS	NS	NA
Isopropyl Ether			µg/l	1.8	X	NA	NS	NA	NS	NS	NA
1,2-Dichloroethane	5	0.5	µg/l	4.5	11.5	NA	NS	NA	NS	NS	NA
Inorganics (mg/l)											
Lead	15	1.5	µg/l	NA	NA	NA	NS	NA	NS	NS	X
Nitrate (as N)	10	2	mg/l	NA	NA	NA	NS	NA	NS	NS	2.43
Sulfate	250	125	mg/l	NA	NA	NA	NS	NA	NS	NS	13.7
Iron (filtered)	0.3	0.15	mg/l	NA	NA	NA	NS	NA	NS	NS	X
Field Measurements											
Temperature			°F	NA	NA	NA	NS	49.21	NS	NS	54.94
Conductivity			µS/cm	NA	NA	NA	NS	51	NS	NS	153
Dissolved Oxygen			mg/l	NA	NA	NA	NS	5.62	NS	NS	5.81
pH				NA	NA	NA	NS	3.64	NS	NS	5.83
ORP			mV	NA	NA	NA	NS	67.1	NS	NS	174.1

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

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Table 4f
MW6
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				22-Sep-93	02-Dec-93	20-Apr-94	21-Jul-94	28-Jul-97	19-Jan-98	22-Jan-99	10-Jun-99
Parameter	**ES**	**PAL**	**Units**								
GRO			mg/l	X	X	X	X	NA	NA	NA	NA
VOC Parameters											
Benzene	5	0.5	µg/l	X	X	X	X	X	X	X	X
Toluene	343	68.6	µg/l	X	X	X	X	X	X	X	X
Ethylbenzene	700	140	µg/l	X	X	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	X	X	X	X	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X	X	X	X	X	X	X	X
Naphthalene	40	8	µg/l	X	X	NA	X	X	X	X	NA
n-Butylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
sec-Butylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
n-Propylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
Isopropylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
Methylene Chloride			µg/l	X	X	NA	X	NA	NA	NA	NA
tert-Butylbenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
1,2,4-Trichlorobenzene			µg/l	X	X	NA	X	NA	NA	NA	NA
Dichlorodifluoromethane			µg/l	X	X	NA	X	NA	NA	NA	NA
Inorganics (mg/l)											
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	X	X
Nitrate (as N)	10	2	mg/l	NA	NA	NA	NA	NA	1.4	9	3.18
Sulfate	250	125	mg/l	NA	NA	NA	NA	NA	9	7.8	3.44
Iron (filtered)	0.3	0.15	mg/l	NA	NA	NA	NA	NA	0.03	0.02	0.023
Field Measurements											
Temperature			°F	NA	NA	NA	NA	49.57	43.58	44.54	46.97
Conductivity			µS/cm	NA	NA	NA	NA	87	80	149	85
Dissolved Oxygen			mg/l	NA	NA	NA	NA	4.13	2.01	4.55	9.92
pH				NA	NA	NA	NA	4.23	4.74	6.57	5.17
ORP			mV	NA	NA	NA	NA	-23.9	268.7	200.3	279.8

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 4g
MW7
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				20-Apr-94	21-Jul-94	28-Jul-97	19-Jan-98	22-Jan-99	10-Jun-99
Parameter	**ES**	**PAL**	**Units**						
GRO			µg/l	X	X	NA	NA	NA	NA
VOC Parameters									
Benzene	5	0.5	µg/l	X	X	X	X	X	X
Toluene	343	68.6	µg/l	X	X	X	X	X	X
Ethylbenzene	700	140	µg/l	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	X	X	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X	X	X	X	X	X
Naphthalene	40	8	µg/l	NA	X	X	X	X	NA
n-Butylbenzene			µg/l	NA	X	NA	NA	NA	NA
sec-Butylbenzene			µg/l	NA	X	NA	NA	NA	NA
n-Propylbenzene			µg/l	NA	X	NA	NA	NA	NA
Isopropylbenzene			µg/l	NA	X	NA	NA	NA	NA
Methylene Chloride			µg/l	NA	X	NA	NA	NA	NA
tert-Butylbenzene			µg/l	NA	X	NA	NA	NA	NA
1,2,4-Trichlorobenzene			µg/l	NA	X	NA	NA	NA	NA
Dichlorodifluoromethane			µg/l	NA	X	NA	NA	NA	NA
Inorganics (mg/l)									
Lead	15	1.5	µg/l	NA	NA	NA	NA	X	X
Nitrate (as N)	10	2	mg/l	NA	NA	NA	6.7	6.2	6.74
Sulfate	250	125	mg/l	NA	NA	NA	19	14	17.6
Iron (filtered)	0.3	0.15	mg/l	NA	NA	NA	X	0.033	X
Field Measurements									
Temperature			°F	NA	NA	52.12	41.65	41.38	48.3
Conductivity			µS/cm	NA	NA	215	162	106	190
Dissolved Oxygen			mg/l	NA	NA	0.7	2.34	3.41	2.94
pH				NA	NA	4.9	4.48	6.08	5.39
ORP			mV	NA	NA	-34.1	279.9	204.4	161.8

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 4h
Summary of Potable Well Analytical Results
Fort Flambeau Resort
Butternut, WI

				24-Sep-99
Parameter	**ES**	**PAL**	**Units**	
Benzene	5	0.5	µg/l	X
Toluene	343	68.6	µg/l	X
Ethylbenzene	700	140	µg/l	X
Xylenes (mixed isomers)	620	124	µg/l	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X
Naphthalene	40	8	µg/l	X
n-Butylbenzene			µg/l	X
sec-Butylbenzene			µg/l	X
n-Propylbenzene			µg/l	X
Isopropylbenzene			µg/l	X
Methylene Chloride			µg/l	X
tert-Butylbenzene			µg/l	X
1,2,4-Trichlorobenzene			µg/l	X
Dichlorodifluoromethane			µg/l	X

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 5a
System Analytical
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				10-Jun-98				11-Jun-98				16-Jun-98		19-Jun-98		22-Jun-98		25-Jun-98	
Parameter	ES	PAL	Units	Influent	Effluent	After Stripper	After Carbon	Influent	Effluent	SVE Stack	SVE Stack	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
GRO			µg/l	NA	NA	NA	NA	NA	NA	169	89.1	NA	NA	NA	NA	NA	NA	NA	NA
VOC Parameters																			
Benzene	5	0.5	µg/l	10	X	X	X	9.4	X	X	X	3	X	6.2	X	5.8	X	6.3	X
Toluene	343	68.6	µg/l	1.8	X	1.4	X	1.6	X	NA	NA	1.3	X	6	X	2.8	X	1.8	X
Ethylbenzene	700	140	µg/l	1.5	X	X	X	X	X	NA	NA	0.54	X	1.4	X	1.6	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	18.9	X	X	X	19.5	X	NA	NA	12	X	27	X	8.6	X	6.4	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	NA	NA	X	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	20.9	X	X	X	3.3	X	NA	NA	17.8	X	19.4	X	5.8	X	4.6	X
PAH Parameters																			
Anthracene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Fluorene	400	80	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Indeno(1,2,3-cd)Pyrene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Phenanthrene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Pyrene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Benzo(a)Anthracene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Benzo(a)Pyrene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Benzo(b)Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Benzo(ghi)Perylene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Benzo(k)Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Chrysene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
1-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
2-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Inorganics (mg/l)																			
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X
Hardness as CaCO3			mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60
Iron	0.3	0.15	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X

				20-Aug-98			25-Aug-98		28-Aug-98		01-Sep-98		03-Sep-98		08-Sep-98		11-Sep-98	
Parameter	ES	PAL	Units	Influent	Effluent	SVE Stack	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
GRO			µg/l	NA	NA	511	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOC Parameters																		
Benzene	5	0.5	µg/l	9.1	X	X	12	X	9.1	X	5.2	X	4.3	X	1.4	X	2.6	X
Toluene	343	68.6	µg/l	0.41	X	NA	3.7	X	2.4	X	1.4	X	1.1	0.41	0.45	0.36	X	X
Ethylbenzene	700	140	µg/l	X	X	NA	X	X	0.45	X	0.19	X	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	2.5	X	NA	12	X	14	X	9.2	X	3.6	X	0.84	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	NA	X	X	X	X	X	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	8.9	X	NA	8.6	X	7.4	X	5.7	X	4.2	X	2.3	X	X	X
PAH Parameters																		
Anthracene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	80	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Anthracene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Pyrene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)Perylene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics (mg/l)																		
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hardness as CaCO3			mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	0.3	0.15	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 5b
System Analytical
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				15-Sep-98		18-Sep-98			21-Sep-98				25-Sep-98		28-Sep-98		02-Oct-98	
Parameter	ES	PAL	Units	Influent	Effluent	Influent	Effluent	After Stripper	Influent	Effluent	After Carbon	SVE Stack	Influent	Effluent	Influent	Effluent	Influent	Effluent
GRO			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	389	NA	NA	NA	NA	NA	NA
VOC Parameters																		
Benzene	5	0.5	µg/l	1.1	X	2.5	X	X	2.8	X	X	X	X	X	0.85	X	1.6	X
Toluene	343	68.6	µg/l	0.85	0.52	X	X	X	0.56	0.37	0.38	NA	X	X	X	X	X	X
Ethylbenzene	700	140	µg/l	X	X	X	X	X	X	X	X	NA	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	0.31	X	X	X	X	1.9	X	X	NA	1.3	X	0.65	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X	NA	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X	X	X	X	X	2.4	X	X	NA	4.9	X	2.1	X	X	X
PAH Parameters																		
Anthracene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	80	µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Anthracene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Pyrene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)Fluoranthene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)Perylene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)Fluoranthene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
1-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics (mg/l)						NA	NA	NA			NA	NA	NA	NA	NA	NA		
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Hardness as CaCO3			mg/l	NA	NA	NA	NA	NA	NA	58	NA	NA	NA	NA	NA	NA	NA	NA
Iron	0.3	0.15	mg/l	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	NA	NA	NA	NA	NA

				05-Oct-98		09-Oct-98		12-Oct-98	16-Oct-98	19-Oct-98				23-Oct-98	26-Oct-98	29-Oct-98	02-Nov-98	06-Nov-98
Parameter	ES	PAL	Units	Influent	Effluent	Influent	Effluent	Effluent	Effluent	Influent	Effluent	After Stripper	SVE Stack	Effluent	Effluent	Effluent	Effluent	Effluent
GRO			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	241	NA	NA	NA	NA	NA
VOC Parameters																		
Benzene	5	0.5	µg/l	0.72	X	1.7	X	X	X	1.9	X	X	X	X	X	X	X	X
Toluene	343	68.6	µg/l	0.43	X	X	X	X	X	X	X	X	NA	X	X	X	X	X
Ethylbenzene	700	140	µg/l	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	1.7	X	0.48	X	X	X	X	X	X	NA	X	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X	X	X	X	X	X	X	X	X	NA	X	X	X	X	X
PAH Parameters																		
Anthracene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	80	µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Phenanthrene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Pyrene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Anthracene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Pyrene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Benzo(b)Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)Perylene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Benzo(k)Fluoranthene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
1-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
2-Methyl Naphthalene			µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Inorganics (mg/l)																		
Lead	15	1.5	µg/l	NA	NA	NA	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA
Hardness as CaCO3			mg/l	NA	NA	NA	NA	NA	NA	NA	73	NA	NA	NA	NA	NA	NA	NA
Iron	0.3	0.15	mg/l	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	NA	NA	NA	NA

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 5c
System Analytical
Summary of Groundwater Analytical Results
Fort Flambeau Resort
Butternut, WI

				16-Nov-98	20-Nov-98	23-Nov-98				30-Nov-98		03-Dec-98	07-Dec-98	11-Dec-98	14-Dec-98	17-Dec-98
Parameter	**ES**	**PAL**	**Units**	**Effluent**	**Effluent**	**Influent**	**Effluent**	**After Stripper**	**SVE Stack**	**Influent**	**Effluent**	**Effluent**	**Effluent**	**Effluent**	**Effluent**	**Effluent**
GRO			µg/l	NA	NA	NA	NA	NA	64.7	NA	NA	NA	NA	NA	NA	NA
VOC Parameters																
Benzene	5	0.5	µg/l	X	X	1	X	X	X	X	X	X	X	X	X	X
Toluene	343	68.6	µg/l	X	X	X	X	0.27	NA	X	X	X	X	X	X	X
Ethylbenzene	700	140	µg/l	X	X	X	X	X	NA	X	X	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	X	X	0.55	X	0.54	NA	0.49	X	X	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	NA	X	X	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	X	X	X	X	0.2	NA	X	X	X	X	X	X	X
PAH Parameters																
Anthracene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	400	80	µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Anthracene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)Pyrene	0.2	0.02	µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)Fluoranthene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)Perylene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)Fluoranthene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.2	0.02	µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
1-Methyl Naphthalene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl Naphthalene			µg/l	NA	NA	NA	X	X	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics (mg/l)																
Lead	15	1.5	µg/l	NA	NA	NA	X	9	NA	NA	NA	NA	NA	NA	NA	NA
Hardness as CaCO3			mg/l	NA	NA	NA	NA	57	NA	NA	NA	NA	NA	NA	NA	NA
Iron	0.3	0.15	mg/l	NA	NA	NA	NA	X	NA	NA	NA	NA	NA	NA	NA	NA

				21-Dec-98				24-Dec-98	28-Dec-98	31-Dec-98	05-Jan-99	05-Jan-99	11-Jan-99	27-Jan-99		08-Feb-99	
Parameter	**ES**	**PAL**	**Units**	**Influent**	**Effluent**	**After Stripper**	**After Carbon**	**Effluent**	**Effluent**	**Effluent**	**Influent**	**Effluent**	**Effluent**	**Effluent**	**Influent**	**Effluent**	**After Stripper**
GRO			µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOC Parameters																	
Benzene	5	0.5	µg/l	0.99	X	X	X	X	X	X	X	NA	X	X	X	X	X
Toluene	343	68.6	µg/l	0.36	X	X	X	X	X	0.33	0.63	NA	X	0.35	X	X	X
Ethylbenzene	700	140	µg/l	0.19	X	X	X	X	X	X	X	NA	X	X	X	X	X
Xylenes (mixed isomers)	620	124	µg/l	1.4	X	X	X	X	X	0.18	0.71	NA	X	X	X	X	X
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	X	X	X	X	X	X	X	X	NA	X	X	X	X	X
Trimethylbenzenes (mixed isomers)	480	96	µg/l	0.35	X	X	X	X	X	X	X	NA	X	0.41	0.18	X	X
PAH Parameters																	
Anthracene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Fluorene	400	80	µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Fluoranthene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Indeno(1,2,3-cd)Pyrene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Phenanthrene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Pyrene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Benzo(a)Anthracene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Benzo(a)Pyrene	0.2	0.02	µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Benzo(b)Fluoranthene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Benzo(ghi)Perylene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Benzo(k)Fluoranthene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Naphthalene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Chrysene	0.2	0.02	µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
1-Methyl Naphthalene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
2-Methyl Naphthalene			µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	X	NA
Inorganics (mg/l)																	
Lead	15	1.5	µg/l	X	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3	X	NA
Hardness as CaCO3			mg/l	NA	56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51	NA
Iron	0.3	0.15	mg/l	NA	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	X	NA

Notes:
All values are reported in µg/l (ppb), unless otherwise noted
ES = NR140.10 Enforcement Standards
PAL = NR140.10 Preventive Action Limits
X = Not Detected
NS= Not Sampled
NA= Not Analyzed
NR141.10 ES exceeded
NR141.10 PAL exceeded

Table 8

Summary of Confirmatory Soil Sample Analytical Results
Fort Flambeau Resort
Butternut, WI

Parameter	RCL	Unit	Location	GP1		GP2	GP3	GP4	GP5	GP6	GP7
			Date	26-Aug-99		26-Aug-99	26-Aug-99	26-Aug-99	26-Aug-99	26-Aug-99	26-Aug-99
			Depth	4-5	6-7 **	4-5	3-4	2-3	3-4	6	6-7
GRO	100	mg/kg		< 5.3	1590	< 5.5	< 5.6	< 5.6	< 5.2	< 5.2	< 5.3
VOC Parameters											
Benzene	5.5	µg/kg		< 4	< 80	< 4	< 4	< 4	< 4	< 4	< 4
Ethylbenzene	2900	µg/kg		< 20	11936	< 20	< 20	< 20	< 20	< 20	< 20
Toluene	1500	µg/kg		< 8	14469	< 8	< 8	< 8	< 8	< 8	< 8
Xylenes (mixed isomers)	4100	µg/kg		< 9	210911	< 9	< 9	< 9	< 9	< 9	< 9
1,2,4-Trimethylbenzene		µg/kg		< 3	179072	< 3	< 3	< 3	< 3	< 3	< 3
1,3,5-Trimethylbenzene		µg/kg		< 3	63801	< 3	< 3	< 3	< 3	< 3	< 3
Methyl tert-Butyl Ether (MTBE)		µg/kg		< 18	< 362	< 18	< 18	< 18	< 18	< 18	< 18

Notes:

RCL = NR 700 Residual Contaminant Level
= RCL exceeded
** = Soil samples collected below groundwater table

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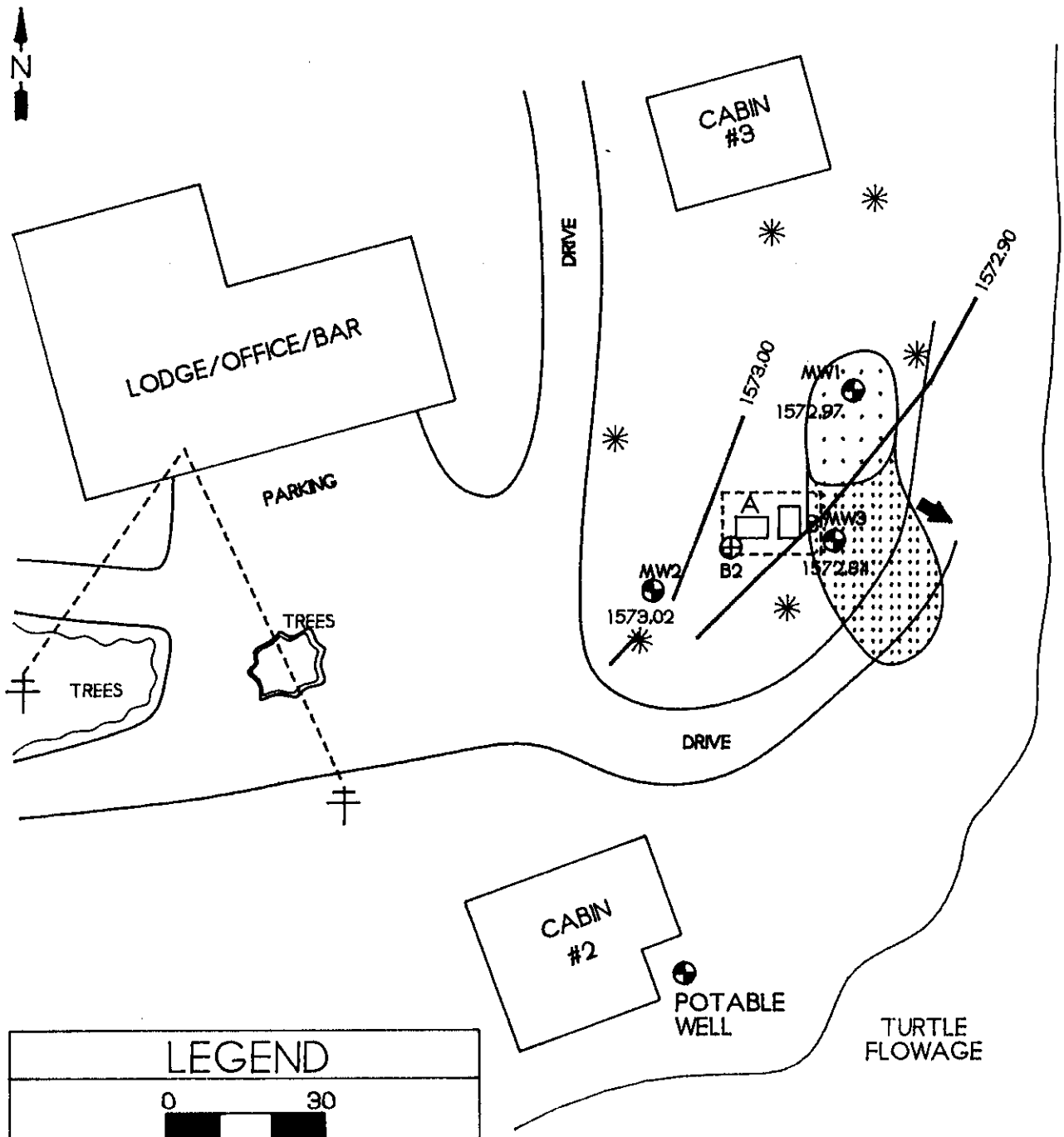

LEGEND

0 30

SCALE : 1" = 30'

A&B - 250 GAL. GAS TANK

- MONITORING WELL LOCATION

- SOIL BORING LOCATION

1571.30 - WATERTABLE CONTOUR LINE (INTERVAL - 0.1 FT MSL)

- GROUNDWATER FLOW DIRECTION

- GRO LEVELS < 3,500 ppb

- GRO LEVELS < 20,000 ppb

	MW1	MW2	MW3	MW3(DUP)	ENF. STAND.
GRO	4,000	X	24,100	38,000	X
BENZENE	0.7	X	723	731	5.0

CONCENTRATIONS IN PARTS-PER-BILLION (ppb)

FORT FLAMBEAU RESORT & CAMPGROUND
BUTTERNUT, WISCONSIN

FIGURE 5: GROUNDWATER ISOCONCENTRATION MAP (GRO)

PROJECT NO.	PREPARED BY	DATE
#0298R	DDD	6/16/93

Table 1
Depth to Water and Water Level Elevations
Fort Flambeau Resort
6168 Downy Road
Butternut, WI

Depth To Water (feet) below Reference Elevation

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	RW1
11-May-93	5.60	9.85	6.08					
21-Jun-93	3.95	8.27	4.43					
22-Sep-93	7.99	12.42	8.40	13.11	8.61	10.97		
02-Dec-93	6.11	10.48	6.44	11.13	6.44	8.98		
17-Feb-94	8.95	13.28	9.32	14.00	9.60	11.54		NA
07-Apr-94	9.19	13.51	9.51	14.20	9.64	11.82		6.23
20-Apr-94	8.15	12.55	8.44	13.15	8.50	10.84	3.78	
28-Jul-97	6.33	10.42	6.50	11.09	6.94	8.72	1.93	
19-Jan-98	7.64	11.73	7.70	12.31	7.90	10.12	3.09	
09-Jun-98	6.58	10.63	6.65	11.24	7.11	8.99	2.06	3.38
10-Jun-98	6.68	10.65	6.69	11.25	7.23	9.03	2.19	3.56
06-Jul-98	6.11	10.22	6.20	10.82	6.63	8.50	1.59	2.92
12-Oct-98	9.33	13.30	9.36	13.94		11.63		6.37
11-Jan-99	9.60	13.30	9.56	13.67		11.78	4.76	7.25
16-Jun-99	6.06	10.09	6.11	10.75	6.61	8.39	1.62	

Measuring Point Elevations

Elevations Referenced to a U.S.G.S. Benchmark (feet MSL)

	1,576.92	1,581.29	1,577.27	1,581.76	1,577.14	1,579.60	1,572.58	1,573.90
Resurvey	1,576.81	1,581.12	1,577.06	1,581.67	1,577.06	1,579.51	1,572.58	NA

Ground Surface Elevations

	1,574.4	1,579.0	1,575.0	1,579.4	1,574.8	1,577.5	1,573.0	1,574.4

Depth To Water (feet) below Ground Surface

Average	4.73	9.07	5.12	10.00	5.41	8.00	3.05	NA
Maximum	7.11	11.20	7.25	11.84	7.30	9.72	5.18	NA
Minimum	1.46	5.96	2.12	8.39	4.10	6.29	2.01	NA
Range	5.65	5.24	5.13	3.45	3.20	3.43	3.17	NA

Water Level Elevation (feet MSL)

Date	MW1	MW2	MW3	MW4	MW5	MW6	MW7	RW1
11-May-93	1,571.32	1,571.44	1,571.19					
21-Jun-93	1,572.97	1,573.02	1,572.84					
22-Sep-93	1,568.93	1,568.87	1,568.87	1,568.65	1,568.53	1,568.63		
02-Dec-93	1,570.81	1,570.81	1,570.83	1,570.63	1,570.70	1,570.62		
17-Feb-94	1,567.97	1,568.01	1,567.95	1,567.76	1,567.54	1,568.06		
07-Apr-94	1,567.62	1,567.61	1,567.55	1,567.47	1,567.42	1,567.69		1,567.67
20-Apr-94	1,568.66	1,568.57	1,568.62	1,568.52	1,568.56	1,568.67	1,568.80	
28-Jul-97	1,570.48	1,570.70	1,570.56	1,570.58	1,570.12	1,570.79	1,570.65	
19-Jan-98	1,569.17	1,569.39	1,569.36	1,569.36	1,569.16	1,569.39	1,569.49	
09-Jun-98	1,570.23	1,570.49	1,570.41	1,570.43	1,569.95	1,570.52	1,570.52	1,570.52
10-Jun-98	1,570.13	1,570.47	1,570.37	1,570.42	1,569.83	1,570.48	1,570.39	1,570.34
06-Jul-98	1,570.70	1,570.90	1,570.86	1,570.85	1,570.43	1,571.01	1,570.99	1,570.98
12-Oct-98	1,567.48	1,567.82	1,567.70	1,567.73		1,567.88		1,567.53
11-Jan-99	1,567.21	1,567.82	1,567.50	1,568.00		1,567.73	1,567.82	1,566.65
16-Jun-99	1,570.75	1,571.03	1,570.95	1,570.92	1,570.45	1,571.12	1,570.96	

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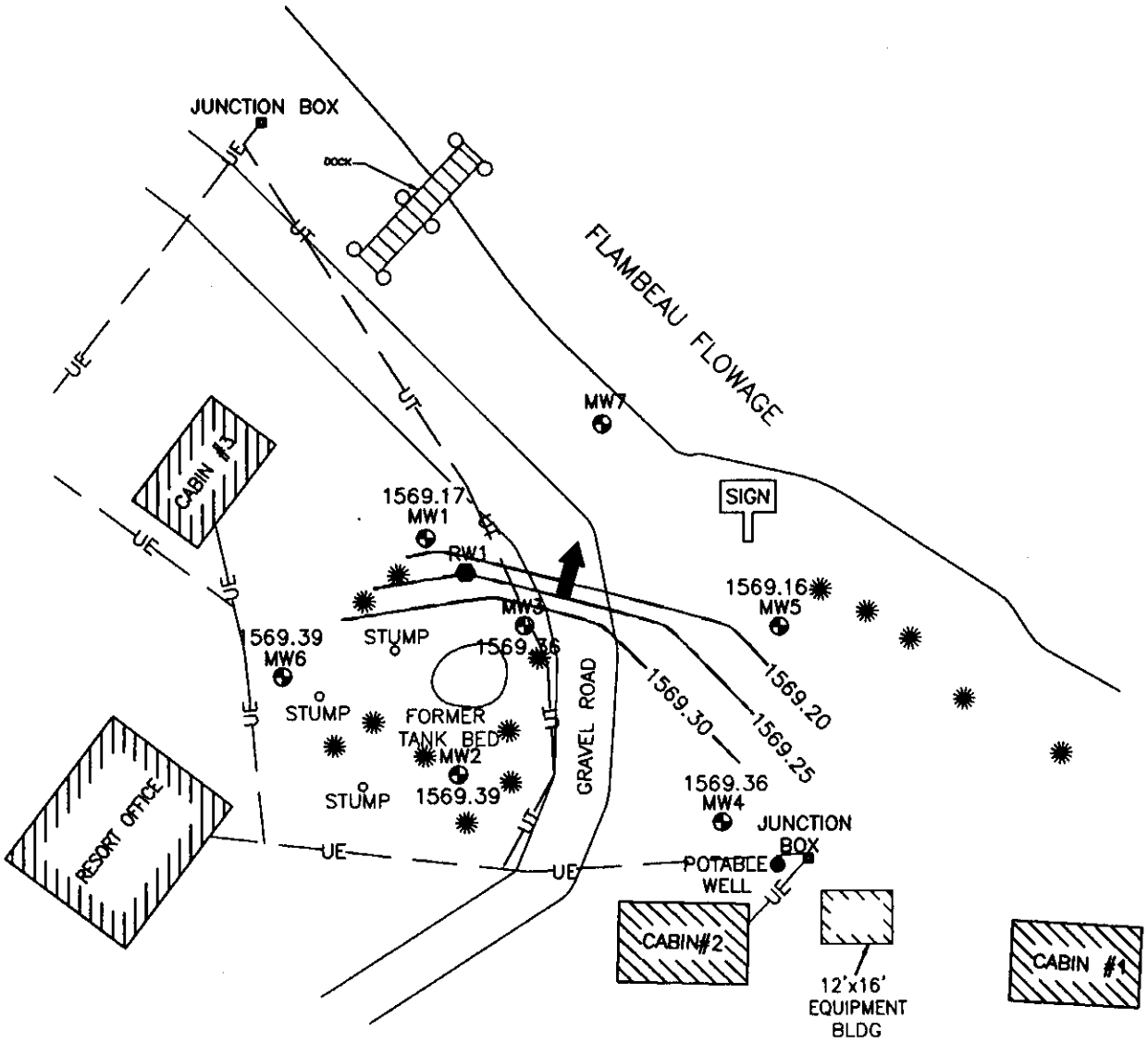

LEGEND

0 40

SCALE : 1" = 40'

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- RECOVERY WELL LOCATION
- UT – UNDERGROUND TELEPHONE
- UE – UNDERGROUND ELECTRICAL LINES
- 1570.39 – GROUNDWATER CONTOUR LINE (INTERVAL – 0.05 FT. – MSL)
- GROUNDWATER FLOW DIRECTION

NORTH

J:\DRAFTING\0151FORT\151GW1-98.DWG

FORT FLAMBEAU RESORT & CAMPGROUND 6168 DOWNEY ROAD TOWN OF MERCER, WISCONSIN	FIGURE 4 : GROUNDWATER CONTOUR MAP (1/19/98)		
	PROJECT NO. #0151	DRAWN BY: DDD	DATE: 11/10/99

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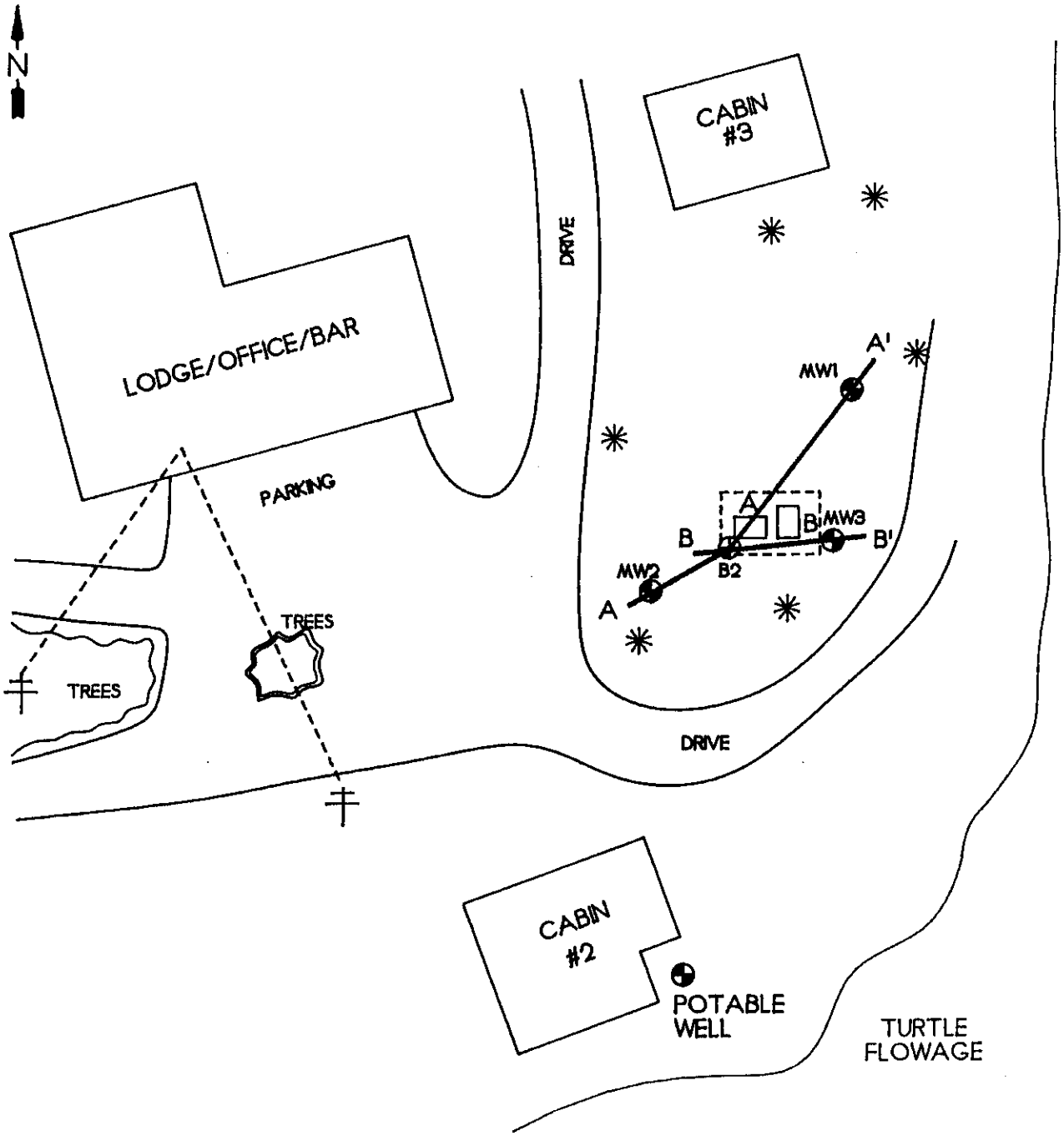

LEGEND

0 30

SCALE : 1" = 30'

A&B - 250 GAL. GAS TANK

◐ - MONITORING WELL LOCATION

⊕ - SOIL BORING LOCATION

FORT FLAMBEAU RESORT & CAMPGROUND
BUTTERNUT, WISCONSIN

FIGURE 2: SITE PLAN

PROJECT NO.	PREPARED BY	DATE
#0298R	DDD	6/21/99

REI
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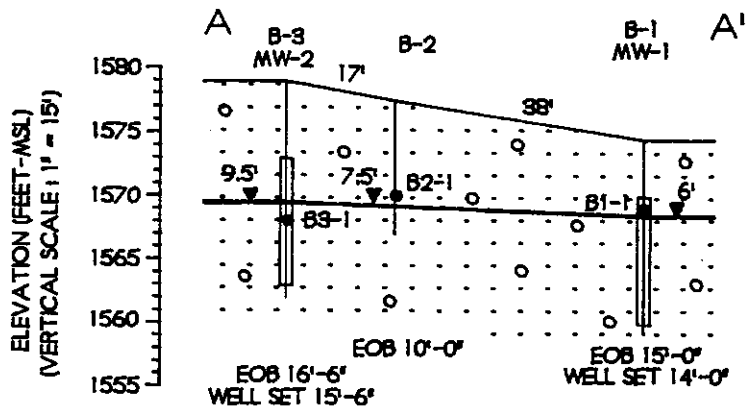
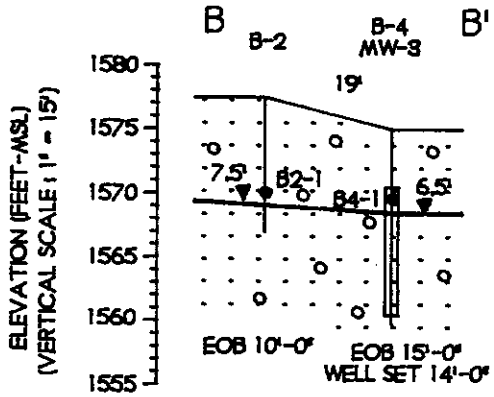




LEGEND

0 30

SCALE : 1" = 30'

- MED-COARSE SAND W/GRAVEL AND OCCASIONAL COBBLE

- DEPTH TO WATER DURING BOREHOLE ADVANCEMENT

FORT FLAMBEAU RESORT AND CAMPGROUND
BUTTERNUT, WISCONSIN

FIGURE 3 :	CROSS - SECTION DIAGRAM	A - A'; B - B'
PROJECT NO. #0238R	PREPARED BY DANIEL D. DETERT	DATE 7/1/93

October 15, 2003

I John Strands do believe to the best of my knowledge that all legal descriptions included are complete and accurate.

John Strands

October 19, 2003

Joe Aldworth
President Fort Flambeau Condominium Association
713 Morning Star Lane
Madison, WI 53704

"Groundwater contamination that appears to have originated on the Fort Flambeau Condominium property located at 6168 Downey Road, Butternut, WI 54514 is contained in the general common elements, of said Fort Flambeau Condominium. The levels of (see attachment) contamination in the groundwater on the Condominium property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726 and chapter NR746 Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation."

"Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statures, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements of section 292.13, Wisconsin Statures, you may call 1-800-367-6076 for calls originating in Wisconsin, or 608-264-6020 if you are calling from out of state or within the Madison area, to obtain a copy of the Department of Natural Resources publication #RR-589, Fact Sheet 10; Guidance for Dealing with Properties Affected by Off-Site Contamination."

"The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department Natural Resources that is relevant to this closure request, you should mail that information to: Department Natural Resources 107 Sutliff Avenue, Rhinelander, WI 54501.

"If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 groundwater enforcement standards will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of the property, and notify me within the next 30 days if the legal description is incorrect."

"Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-2542-8511) if your property is located outside of the service area of your municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards."

"Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you may obtain a copy of this letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/ct/gco/gwur. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites."

"If you need more information, you may contact me at 947 Holly Tree Lane, Fond du Lac, WI 54935 or you may contact the Department Natural Resources at 107 Sutliff Avenue, Rhinelander, WI 54501, 715-365-8990."

Sincerely,

John T. Strands
947 Holly Tree Lane
Fond du Lac, WI 54935
920-923-6873

REI
REMEDIAL ENGINEERING, INC.

TABLE 2a

GROUNDWATER ANALYTICAL DATA
FORT FLAMBEAU RESORT
BUTTERNUT, WISCONSIN
REI #0238R

			Monitoring Well #1				
Parameter	**ES**	**PAL**	**06-23-93**	**09-22-93**	**12-02-93**	**04-20-94**	**07-21-94**
GRO			4,000[1]	105[4,5]	ND	ND	ND
DRO			NA	NA	NA	NA	NA
Detected VOC's							
Benzene	5	0.5	0.7	ND	ND	ND	ND
Ethylbenzene	700	140	54.6	1.6	ND	ND	ND
Toluene	343	68.6	38.8	ND	ND	ND	ND
o-Xylene	620*	124*	334	12.8	ND	ND	1.4
m&p Xylene	620*	124*	736	1.7	ND	ND	1.7
MTBE	60	12	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene			142	2.7	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	NA	ND
Naphthalene	40	8	64.5	5.3	ND	NA	ND
Isopropylbenzene			17.8	ND	ND	NA	ND
n-Propylbenzene			48.2	ND	ND	NA	ND
n-Butylbenzene			57.7	1.7	ND	NA	ND
sec-Butylbenzene			1.3	ND	ND	NA	ND
Trichloroethylene	5	0.5	ND	ND	ND	NA	ND
p- Isopropyltoluene			2.4	ND	ND	NA	ND
Isopropyl Ether			11.9	ND	ND	NA	ND
1,2,4-Trimethylbenzene			495	4.9	ND	ND	1.7
Lead (Pb)	15	1.5	3.1	NA	NA	NA	NA

Note: All values are in ug/L. ug/L is equal to parts-per-billion (ppb).
ES = Enforcement Standard
PAL = Preventive Action Limit
ND = Not Detected
NA = Not Analyzed
* = Enforcement Standards are for total xylenes.
Exceeds Enforcement Standards

REI
REMEDIAL ENGINEERING, INC.

TABLE 2b

GROUNDWATER ANALYTICAL DATA
FORT FLAMBEAU RESORT
BUTTERNUT, WISCONSIN
REI #0238R

			Monitoring Well #2				
Parameter	**ES**	**PAL**	**06-23-93**	**09-22-93**	**12-02-93**	**04-20-94**	**07-21-94**
GRO			ND	ND	ND	ND	ND
DRO			NA	NA	NA	NA	NA
Detected VOC's							
Benzene	5	0.5	ND	ND	ND	ND	ND
Ethylbenzene	700	140	ND	ND	ND	ND	ND
Toluene	343	68.6	ND	ND	ND	ND	ND
o-Xylene	620*	124*	ND	ND	ND	ND	ND
m&p Xylene	620*	124*	ND	ND	ND	ND	ND
MTBE	60	12	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene			ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	NA	ND
Naphthalene	40	8	ND	ND	ND	NA	ND
Isopropylbenzene			ND	ND	ND	NA	ND
n-Propylbenzene			ND	ND	ND	NA	ND
n-Butylbenzene			ND	ND	ND	NA	ND
sec-Butylbenzene			ND	ND	ND	NA	ND
Trichloroethylene	5	0.5	ND	ND	ND	NA	ND
p- Isopropyltoluene			ND	ND	ND	NA	ND
Isopropyl Ether			ND	ND	ND	NA	ND
1,2,4-Trimethylbenzene			ND	ND	ND	ND	ND
Lead (Pb)	15	1.5	ND	NA	NA	ND	NA

Note: All values are in ug/L. ug/L is equal to parts-per-billion (ppb).
ES = Enforcement Standard
PAL = Preventive Action Limit
ND = Not Detected
NA = Not Analyzed
* = Enforcement Standards are for total xylenes.
Exceeds Enforcement Standards

REI
REMEDIAL ENGINEERING, INC.

TABLE 2c

GROUNDWATER ANALYTICAL DATA
FORT FLAMBEAU RESORT
BUTTERNUT, WISCONSIN
REI #0238R

			Monitoring Well #3				
Parameter	**ES**	**PAL**	**06-23-93**	**09-22-93**	**12-02-93**	**04-20-94**	**07-21-94**
GRO			24,000[1]	7,730[1,5]	5,800[4,5]	6,310[2,5]	3,240[1]
DRO			NA	NA	NA	NA	NA
Detected VOC's							
Benzene	5	0.5	723	237	246	106	531
Ethylbenzene	700	140	267	144	88.1	28.2	ND
Toluene	343	68.6	5420	1520	638	301	955
o-Xylene	620*	124*	2230	572	519	809	349
m&p Xylene	620*	124*	3080	905	646	613 (4)	349
MTBE	60	12	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene			463	210	243	272	68.7
1,2,4-Trichlorobenzene			ND	ND	ND	NA	ND
Naphthalene	40	8	ND	90.2	49.9	NA	ND
Isopropylbenzene			ND	11.6	8.5	NA	ND
n-Propylbenzene			ND	25.1	16.6	NA	ND
n-Butylbenzene			303	143	182	NA	ND
sec-Butylbenzene			ND	ND	ND	NA	ND
Trichloroethylene	5	0.5	ND	ND	ND	NA	49.4
p- Isopropyltoluene			ND	ND	ND	NA	ND
Isopropyl Ether			ND	ND	ND	NA	ND
1,2,4-Trimethylbenzene			1,320	403	391	743	128
Lead (Pb)	15	1.5	5.8	NA	NA	NA	NA

Note: All values are in ug/L. ug/L is equal to parts-per-billion (ppb).
ES = Enforcement Standard
PAL = Preventive Action Limit
ND = Not Detected
NA = Not Analyzed
* = Enforcement Standards are for total xylenes.
Exceeds Enforcement Standards

REI
REMEDIAL ENGINEERING, INC.

TABLE 2d

GROUNDWATER ANALYTICAL DATA
FORT FLAMBEAU RESORT
BUTTERNUT, WISCONSIN
REI #0238R

			Monitoring Well #4			
Parameter	**ES**	**PAL**	**09-22-93**	**12-02-93**	**04-20-94**	**07-21-94**
GRO			ND	ND	ND	ND
DRO			NA	NA	NA	NA
Detected VOC's						
Benzene	5	0.5	ND	ND	ND	ND
Ethylbenzene	700	140	ND	ND	ND	ND
Toluene	343	68.6	3.4	ND	ND	ND
o-Xylene	620*	124*	ND	ND	ND	ND
m&p Xylene	620*	124*	ND	ND	ND	ND
MTBE	60	12	ND	ND	ND	ND
1,3,5-Trimethylbenzene			ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	NA	ND
Naphthalene	40	8	ND	ND	NA	ND
Isopropylbenzene			ND	ND	NA	ND
n-Propylbenzene			ND	ND	NA	ND
n-Butylbenzene			ND	ND	NA	ND
sec-Butylbenzene			ND	ND	NA	ND
Trichloroethylene	5	0.5	ND	ND	NA	ND
p- Isopropyltoluene			ND	ND	NA	ND
Isopropyl Ether			ND	ND	NA	ND
1,2,4-Trimethylbenzene			ND	ND	ND	ND
Lead (Pb)	15	1.5	NA	NA	NA	NA

Note: All values are in ug/L. ug/L is equal to parts-per-billion (ppb).
ES = Enforcement Standard
PAL = Preventive Action Limit
ND = Not Detected
NA = Not Analyzed
* = Enforcement Standards are for total xylenes.
Exceeds Enforcement Standards

REI
REMEDIAL ENGINEERING, INC.

TABLE 2e

GROUNDWATER ANALYTICAL DATA
FORT FLAMBEAU RESORT
BUTTERNUT, WISCONSIN
REI #0238R

			Monitoring Well #5			
Parameter	**ES**	**PAL**	**09-22-93**	**12-02-93**	**04-20-94**	**07-21-94**
GRO			497[3]	1,240[3]	1,370[4]	NA
DRO			NA	NA	NA	NA
Detected VOC's						
Benzene	5	0.5	335	818	896	NA
Ethylbenzene	700	140	ND	ND	1.1	NA
Toluene	343	68.6	3.2	2.2	3.1	NA
o-Xylene	620*	124*	2.1	ND	1.5	NA
m&p Xylene	620*	124*	ND	ND	ND	NA
MTBE	60	12	ND	ND	ND	NA
1,3,5-Trimethylbenzene			ND	ND	ND	NA
1,2,4-Trichlorobenzene			ND	ND	NA	NA
Naphthalene	40	8	10.6	33.6	NA	NA
Isopropylbenzene			2.1	7.1	NA	NA
n-Propylbenzene			ND	2.4	NA	NA
n-Butylbenzene			ND	1.6	NA	NA
sec-Butylbenzene			ND	ND	NA	NA
Trichloroethylene	5	0.5	ND	ND	NA	NA
p- Isopropyltoluene			ND	ND	NA	NA
Isopropyl Ether			1.8	5.8	NA	NA
1,2,4-Trimethylbenzene			1.0	ND	ND	NA
Lead (Pb)	15	1.5	NA	NA	NA	NA

Note: All values are in ug/L. ug/L is equal to parts-per-billion (ppb).
ES = Enforcement Standard
PAL = Preventive Action Limit
ND = Not Detected
NA = Not Analyzed
* = Enforcement Standards are for total xylenes.
Exceeds Enforcement Standards

REI
REMEDIAL ENGINEERING, INC.

TABLE 2f

GROUNDWATER ANALYTICAL DATA
FORT FLAMBEAU RESORT
BUTTERNUT, WISCONSIN
REI #0238R

			Monitoring Well #6			
Parameter	**ES**	**PAL**	**09-22-93**	**12-02-93**	**04-20-94**	**07-21-94**
GRO			ND	ND	ND	ND
DRO			NA	NA	NA	NA
Detected VOC's						
Benzene	5	0.5	ND	ND	ND	ND
Ethylbenzene	700	140	ND	ND	ND	ND
Toluene	343	68.6	ND	ND	ND	ND
o-Xylene	620*	124*	ND	ND	ND	ND
m&p Xylene	620*	124*	ND	ND	ND	ND
MTBE	60	12	ND	ND	ND	ND
1,3,5-Trimethylbenzene			ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	NA	ND
Naphthalene	40	8	ND	ND	NA	ND
Isopropylbenzene			ND	ND	NA	ND
n-Propylbenzene			ND	ND	NA	ND
n-Butylbenzene			ND	ND	NA	ND
sec-Butylbenzene			ND	ND	NA	ND
Trichloroethylene	5	0.5	ND	ND	NA	ND
p- Isopropyltoluene			ND	ND	NA	ND
Isopropyl Ether			ND	ND	NA	ND
1,2,4-Trimethylbenzene			ND	ND	ND	ND
Lead (Pb)	15	1.5	NA	NA	NA	NA

Note: All values are in ug/L. ug/L is equal to parts-per-billion (ppb).
ES = Enforcement Standard
PAL = Preventive Action Limit
ND = Not Detected
NA = Not Analyzed
* = Enforcement Standards are for total xylenes.
Exceeds Enforcement Standards

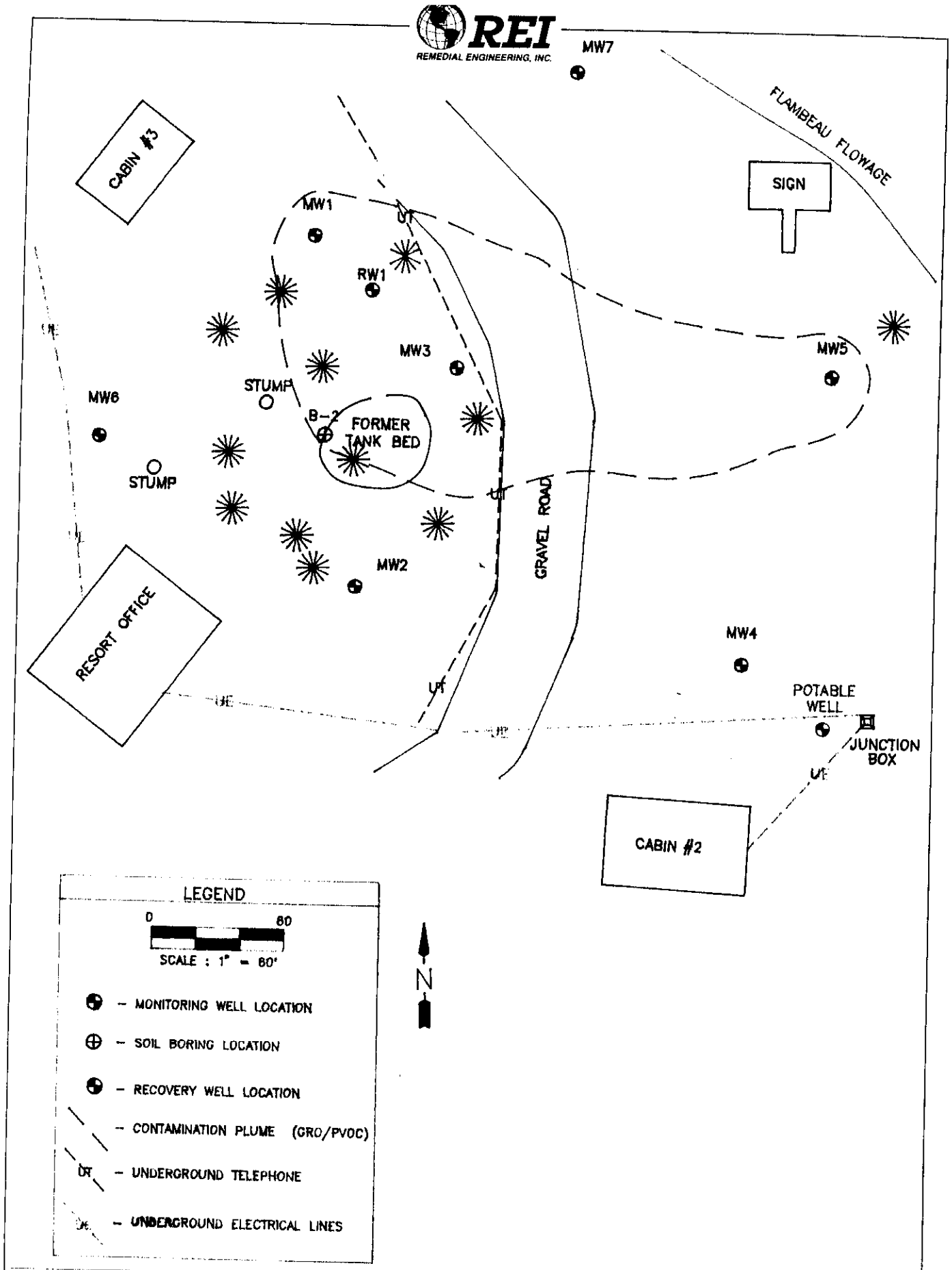
REI
REMEDIAL ENGINEERING, INC.

TABLE 2g

GROUNDWATER ANALYTICAL DATA
FORT FLAMBEAU RESORT
BUTTERNUT, WISCONSIN
REI #0238R

Monitoring Well #7				
Parameter	**ES**	**PAL**	**04-20-94**	**07-21-94**
GRO			ND	ND
DRO			NA	NA
Detected VOC's				
Benzene	5	0.5	ND	ND
Ethylbenzene	700	140	ND	ND
Toluene	343	68.6	ND	ND
o-Xylene	620*	124*	ND	ND
m&p Xylene	620*	124*	ND	ND
MTBE	60	12	ND	ND
1,3,5-Trimethylbenzene			ND	ND
1,2,4-Trichlorobenzene			NA	ND
Naphthalene	40	8	NA	ND
Isopropylbenzene			NA	ND
n-Propylbenzene			NA	ND
n-Butylbenzene			NA	ND
sec-Butylbenzene			NA	ND
Trichloroethylene	5	0.5	NA	ND
p- Isopropyltoluene			NA	ND
Isopropyl Ether			NA	ND
1,2,4-Trimethylbenzene			ND	ND
Lead (Pb)	15	1.5	NA	NA

Note: All values are in ug/L. ug/L is equal to parts-per-billion (ppb).
ES = Enforcement Standard
PAL = Preventive Action Limit
ND = Not Detected
NA = Not Analyzed
* = Enforcement Standards are for total xylenes.
Exceeds Enforcement Standards



FORT FLAMBEAU RESORT & CAMPGROUND
BUTTERNUT, WISCONSIN

FIGURE 4 : GROUNDWATER CONTAMINANT PLUME

PROJECT NO	PREPARED BY	DATE
#0236R	TAW	9/12/94