GIS REGISTRY INFORMATION

DNR notes in blue

SITE NAME:	Fort McCoy		
BRRTS #:	03-42-000302	**FID #** (if appropriate):	
COMMERCE #:	54656-9999-69-A		
CLOSURE DATE:	September 17, 2007		
STREET ADDRESS:	Building 1669 (Former)		
CITY:	Sparta		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	~~465080~~ 464958	**Y =**	~~394056~~ 393515		
CONTAMINATED MEDIA:	Groundwater		Soil		Both	X
OFF-SOURCE GW CONTAMINATION >ES:			**Yes**		**No**	X
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**		**Y =**			
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):	**Yes**		**No**	X		
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**		**Y =**			
CONTAMINATION IN RIGHT OF WAY:	**Yes**		**No**	X		

DOCUMENTS NEEDED

Closure Letter, and any conditional closure letter issued or denial letter issued	X
Copy of any maintenance plan referenced in the final closure letter	na
Copy of (soil or land use) deed notice *if any required as a condition of closure*	na
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	
County Parcel ID number, *if used for county*, for all affected properties	
Location Map that 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. 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. 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).* 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	X
Geologic cross-sections, *if required for SI*	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable) — **na – means not applicable**	na
Letter informing ROW owner of residual contamination (if applicable) (public, highway or railroad ROW)	na

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
Jim Doyle, Governor
Mary P. Burke, Secretary

September 17, 2007

Alan L Balliett
Department of the Army Installation Management Agency
HQ United States Army Garrison Fort McCoy
2171 South 8th Avenue
Fort McCoy, WI 54656

RE: **Final Closure**

Commerce # 54656-9999-69-A DNR BRRTS # 03-42-000302
Fort McCoy, Building 1669, Sparta

Dear Mr. Balliett:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-6543.

Sincerely,

Ralph N. Smith
Senior Hydrogeologist
Site Review Section

cc: Craig O. Bartholomew – VT Griffin Services
Case File

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
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P.O. Box 8044
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Jim Doyle, Governor
Mary P. Burke, Secretary

July 24, 2007

Alan L Balliett
Department of the Army Installation Management Agency
HQ United States Army Garrison Fort McCoy
2171 S 8th Ave
Fort McCoy, WI 54656

RE: **Conditional Case Closure**

Commerce # 54656-9999-69-A DNR BRRTS # 03-42-000302
Fort McCoy, Building 1669, Sparta

Dear Mr. Balliett:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your contractor, VT Griffin, for the site referenced above. It is understood that residual soil and/or groundwater contamination remains on site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

The following conditions must be satisfied to obtain final closure:

- Please properly abandon seven of the eight groundwater monitoring wells per NR 141.25 and provide copies of the well abandonment documentation to this office. Monitoring well (MW-1) will continue to be utilized for remedial actions pertaining to the POL Supply Line site (Commerce # 54656-9999-99-A).

This letter serves as your written notice of "no further action." Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-6543.

Sincerely,

Ralph N. Smith

Ralph N. Smith
Senior Hydrogeologist
Site Review Section

cc: Craig O. Bartholomew – VT Griffin
Case File

ENVIRONMENTAL & REGULATORY SERVICES
BUREAU OF PECFA
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http://www.commerce.state.wi.us
http://www.wisconsin.gov
Scott McCallum, Governor
Philip Edw. Albert, Secretary

Wisconsin
Department of Commerce

August 13, 2002

Mr. Kurt Brownell
Department of Army Commander Headquarters, Fort McCoy
AFRC-FM-DEE
Sparta WI 54656-5162

RE: **Site Investigation Review**

Commerce # 54656-9999-69 WDNR BRRTS # 03-42-000302
Fort McCoy Building 1669, Fort McCoy

Dear Mr. Brownell:

On July 21, 2000, the Wisconsin Department of Commerce (Commerce) PECFA Site Review Section received the case file with information submitted to date to complete the *Phase III UST Remedial Investigation Report*, received on July 21, 2000, from Kurt Brownell. Commerce will further consider the site investigation phase of this project when the following additional information is submitted for review.

- Extent of soil contamination does not appear to be defined. The south-southwest downgradient portion of the plume and the north part of the plume in soil and groundwater needs further characterization. Additional soil borings are necessary to define the extent of soil contamination at this site. Analyze soil for PAH/GRO, DRO, & PVOC parameters.
- The soil sample results requested above may impact the decision as to proper number of monitoring wells and placement of such wells in order to evaluate impacts to groundwater. Due to time elapsed since last groundwater sample event (9/27/95), further groundwater sampling results are necessary for the site investigation. Sample groundwater for PAH, PVOC + naphthalene in all monitoring wells. VOCs shall be sampled in the initial round of groundwater sampling only for the proposed well(s), PVOC + naphthalene, possibly PAH in the rounds thereafter for all groundwater monitoring wells.
- Provide information (Tank Closure Report and Soil Sampling Results) which appears to be inadvertently missing from reports submitted for this site.
- Evaluate seasonal variation for concentrations of petroleum compounds in groundwater and the groundwater flow direction.

Commerce requires a written response to this letter in 15 business days. If you have any questions, contact me in writing at the letterhead address or by telephone at (608) 261-6543.

Sincerely,

Ralph N. Smith
Hydrogeologist
Site Review Section

cc: Case File

OPINION

OF THE ATTORNEY GENERAL

THAT THE UNITED STATES OF AMERICA

IS IN POSSESSION UNDER A CLEAR AND

COMPLETE TITLE OF CERTAIN LAND SITUATED

IN THE COUNTY OF MONROE, STATE OF WISCONSIN,

DESIGNATED CAMP MC COY

DEPARTMENT OF JUSTICE

WHEREAS, Section 1.02, Chapter 1, Title 1, Wisconsin Statutes, 1949, provides that:

"Subject to the conditions mentioned in section 1.03 the legislature hereby consents to the acquisitions heretofore effected and hereafter to be effected by the United States, by gift, purchase or condemnation proceedings, of the title to places or tracts of land within the state; and, subject to said conditions, the state hereby grants, cedes and conforms to the United States exclusive jurisdiction over all such places and tracts. Such acquisitions are limited to the following purposes:

(1) To sites for the erection of forts, magazines, arsenals, dockyards, custom houses, courthouses, post offices, or other public buildings or for any purpose whatsoever contemplated by the seventeenth clause of section eight of article one of the constitution of the United States.

(2) To a tract of forty thousand acres of land in township 17 and 18 north, ranges 2 and 3 west, near Sparta, in Monroe County, to be used for military purposes as a target and maneuver range and such other purposes as the war department may deem necessary and proper.

(3) To erect thereon dams, abutments, locks, lockkeepers' dwellings, chutes, or other structures necessary or desirable in improving the navigation of the rivers or other waters within the borders of this state."; and

WHEREAS, Section 1.03, Chapter 1, Title 1, Wisconsin Statutes, 1949, provides that:

"The conditions mentioned in section 1.02 are the following conditions precedent:

(1) That an application setting forth an exact description of the place or tract so acquired shall be made by an authorized officer of the United States to the governor, accompanied by a plat thereof, and by proof that all conveyances and a copy of the record of all judicial proceedings necessary to the acquisition of an unincumbered title by the United States have been recorded in the office of the register of deeds of each county in which such place or tract may be situated in whole or in part.

(2) That the ceded jurisdiction shall not vest in the United States until they shall have complied with all the requirements on their part of sections 1.02 and 1.03, and shall continue so long only as the place or tract shall remain the property of the United States.

(3) That the state shall forever retain concurrent jurisdiction over every such place or tract to the extent that all legal and military process issued under the authority of the state may be served anywhere thereon, or in any building situate in whole or in part thereon."; and

WHEREAS, pursuant to said Section 1.02 the United States of America, in my opinion acquired fee simple title by purchase and condemnation proceedings to a tract of land in Townships 17, 18, and 19 North, Ranges 2 and 3 West, in Monroe County, Wisconsin; and

WHEREAS, pursuant to said Section 1.03 an exact description of the area so acquired containing 47,444.88 acres of land, more or less, and comprising a portion of the Camp McCoy military reservation, and accompanied by a plat thereof, and copies of deeds and judgments on declaration of taking certified by the Register of Deeds in the County of Monroe, in which said land is situated in whole, was submitted to the Governor of the State of Wisconsin under date of March 6, 1952.

NOW THEREFORE, it is my opinion:

1. That the United States of America is in possession of the lands and premises hereinafter particularly described for certain works or purposes provided for in the aforementioned Section 1.02 of Chapter 1, Title 1, particularly for use as a target and maneuver range and for construction of needful buildings and structures for use in connection with a military reservation officially designated as Camp McCoy, being 47,444.88 acres of land, more or less, and that such possession is under a clear and complete fee simple title, subject to existing easements for public roads and highways, public utilities, railroads and pipelines; and

2. That the land and premises that have been acquired by the United States of America for the purposes above stated are situated in the County of Monroe, State of Wisconsin, and more particularly described as follows:

   All that part of Townships Seventeen (17), Eighteen (18) and Nineteen (19) North, Ranges Two (2) and Three (3) West, Fourth Principal Meridian, Monroe County, Wisconsin, more particularly described as follows:

   Beginning at a point, said point being the Section corner common to Sections Twenty-seven (27), Twenty-eight (28), Thirty-three (33) and Thirty-four (34), Twp. Eighteen (18) North, Range Three (3) West; thence North along the West line of said Section Twenty-seven (27) and along the West line of Section Twenty-two (22), Twp. Eighteen (18) North, Range Three (3) West to a point in the South Quarter Quarter line of Section Twenty-one (21), Twp. Eighteen (18) North, Range Three (3) West; thence West along said Quarter Quarter line to a point in the East Quarter Quarter line of said Section Twenty-one (21); thence North along said Quarter Quarter line to a point in the East and West center line

of said Section Twenty-one (21); thence East along said center line to a point in the East line of said Section Twenty-one (21); thence North along said East line and the East line of Section Sixteen (16), Twp. Eighteen (18) North, Range Three (3) West to a point in the East and West center line of said Section Sixteen (16); thence West along said center line to a point in the East Quarter Quarter line of said Section Sixteen (16); thence North along said East Quarter Quarter line and the East Quarter Quarter line of Section Nine (9), Twp. Eighteen (18) North, Range Three (3) West to a point in the South Quarter Quarter line of said Section Nine (9); thence East along said Quarter Quarter line to a point in the West line of said Section Nine (9); thence North along said West line and the West line of Section Four (4), Twp. Eighteen (18) North, Range Three (3) West, and the West lines of Sections Thirty-four (34) and Twenty-seven (27), Twp. Nineteen (19) North, Range Three (3) West to the Southeast corner of Section Twenty-one (21), Twp. Nineteen (19) North, Range Three (3) West; thence West along the South line of said Section Twenty-one (21) to the East Quarter Quarter line of said Section Twenty-one (21); thence North along said East Quarter Quarter line to a point in the North line of said Section Twenty-one (21); thence East along said North line to the Northeast corner of said Section Twenty-one (21); thence North along the West Section lines of Sections Fifteen (15) and Ten (10), Twp. Nineteen (19) North, Range Three (3) West to the Northwest corner of said Section Ten (10); thence East along the North lines of said Section Ten (10) and Section Eleven (11), Twp. Nineteen (19) North, Range Three (3) West to the West Quarter Quarter line of said Section Eleven (11); thence South along said Quarter Quarter line to a point in the East and West center line of said Section Eleven (11); thence East along said center line to a point in the North and South center line of said Section Eleven (11); thence South along said center line to a point in the South line of said Section Eleven (11); thence East along said Section line and the South Section line of Section Twelve (12), Twp. Nineteen (19) North, Range Three (3) West, to the North and South center line of said Section Twelve (12); thence North along said center line to a point in the East and West center line of said Section Twelve (12); thence East along said center line to a point in the West line of said Section Twelve (12); thence North along said West line and the West line of Section Six (6), Twp. Nineteen (19) North, Range Three (3) West, to Northwest corner of said Section Six (6); thence East along the North lines of said Section Six (6) and Sections Five (5) and Four (4), Twp. Nineteen (19) North, Range Two (2) West to the Northeast corner of said Section Four (4); thence South along the East Lines of said Section Four (4) and Section Nine (9), Twp. Nineteen (19) North, Range Two (2) West, to the East and West center line of said Section Nine (9); thence West along said center line to a point in the East Quarter Quarter line of said Section Nine (9); thence South along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Nine (9); thence East along said Quarter Quarter line to a point in the East line of said Section Nine (9); thence South along said East line and the East line of Section Sixteen (16), Township Nineteen (19) North, Range Two (2) West, to the East and West center line of Section Fifteen (15), Twp. Nineteen (19) North, Range Two (2) West; thence East along said center line to a point in the West Quarter Quarter line of said Section Fifteen (15); thence South along said Quarter Quarter line to a point in the South line of said Section Fifteen (15); thence West

along said South line to the Northeast corner of Section Twenty-one (21), Twp. Nineteen (19) North, Range Two (2) West; thence South along the East lines of said Section Twenty-one (21) and Section Twenty-eight (28), Twp. Nineteen (19) North, Range Two (2) West to the East and West center line of said Section Twenty-eight (28); thence West along said center line to a point in the East Quarter Quarter line of said Section Twenty-eight (28); thence South along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Twenty-eight (28); thence West along said Quarter Quarter line to a point in the North and South center line of said Section Twenty-eight (28); thence South along said center line and the North and South center line of Section Thirty-Three (33), Township Nineteen (19) North, Range Two (2) West to a point in the North quarter quarter line of said Section Thirty-Three (33); thence East along said quarter quarter line to the East line of the West twenty-two (22) acres of the Southwest Quarter (SW¼) of the Northeast Quarter (NE¼) of said Section Thirty-Three (33); thence south along said East line to a point in the East and West center line of said Section Thirty-Three (33); thence East along said center line to a point in the East line of said Section Thirty-Three (33); thence South along said East line to the South quarter quarter line of said Section Thirty-Three (33); thence West six (6) rods along said quarter quarter line to a point on a line lying six (6) rods West of and parallel to said East line of Section Thirty-Three (33); thence South along said line to a point on the Northerly line of a private road known as Franklin Road; thence northwesterly along said Northerly line of Franklin Road to the point of intersection of said Northerly line with the Southerly line of the highway which runs through the Northeast Quarter (NE¼) of the Southeast Quarter (SE¼) of said Section Thirty-Three (33); thence Southwesterly along said Southerly line of said highway to the intersection of said Southerly line with the Southerly line of aforesaid Franklin Road; thence Southeasterly along said Southerly line of Franklin Road to a point on a line lying six (6) rods West of and parallel to the East line of said Section Thirty-Three (33); thence South along said line to a point which is forty (40) rods North of the South line of said Section Thirty-Three (33); thence East six (6) rods to a point on the East line of said Section Thirty-Three (33); thence South along said East line to the Northeast corner of Section Four (4), Township Eighteen (18) North, Range Two (2) West; thence continuing South along the East line of said Section Four (4) to the North quarter quarter line of said Section Four (4); thence West along said quarter quarter line to a point on the North and South center line of said Section Four (4); thence South along said center line to a point in the North line of Section Nine (9), Township Eighteen (18) North, Range Two (2) West; thence West along said North line to the West quarter quarter line of said Section Nine (9); thence South along said quarter quarter line to a point in the North quarter quarter line of said Section Nine (9); thence East along said quarter quarter line to a point in the north and south center line of said Section Nine (9); thence South along said center line to a point in the North line of Section Sixteen (16), Township Eighteen (18) North, Range Two (2) West; thence West along said North line to the West quarter quarter line of said Section Sixteen (16); thence South along said quarter quarter line and the West quarter quarter line of Section Twenty-One (21), Township Eighteen (18) North, Range Two (2) West to a point in the North line of Section Twenty-Eight (28), Township Eighteen (18) North, Range Two (2) West; thence West along said North line to the Northwest corner of said Section Twenty-Eight (28); thence South along the West line of said Section Twenty-Eight (28) to the North quarter quarter line of Section Twenty-Nine (29), Township Eighteen (18) North, Range

Two (2) West; thence West one (1) rod along said quarter quarter line to a point on a line lying one (1) rod West of and parallel to the East line of said Section Twenty-Nine (29); thence South along said line to the East and West center line of said Section Twenty-Nine (29); thence West along said center line and the East and West center lines of Section Thirty (30), Township Eighteen (18) North, Range Two (2) West, and Section Twenty-Five (25), Township Eighteen (18) North, Range Three (3) West to a point on the East line of Section Twenty-Six (26), Township Eighteen (18) North, Range Three (3) West; thence South along said East line to the South quarter quarter line of said Section Twenty-Six (26); thence West along said quarter quarter line to a point on the North and South center line of said Section Twenty-Six (26); thence South along said center line and the North and South center line of Section Thirty-Five (35), Township Eighteen (18) North, Range Three (3) West to a point on the East and West center line of said Section Thirty-Five (35); thence West along said center line to a point on the West quarter quarter line of said Section Thirty-Five (35); thence South along said quarter quarter line to a point in the Southerly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company; thence in a Southwesterly direction, three thousand and ten (3,010) feet, more or less, along said Southerly right-of-way line through Sections Thirty-Five (35) and Thirty-Four (34), Township Eighteen (18) North, Range Three (3) West to a point in the South line of said Section Thirty-Four (34); thence West one thousand three hundred twenty (1,320) feet, more or less, along said South line, crossing the rights-of-way of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and the Chicago and North-Western Railway Company, to a point in the North and South Center line of Section Three (3), Township Seventeen (17) North, Range Three (3) West; thence South seven hundred twenty-two (722) feet, more or less, along said center line, crossing the rights-of-way of said railway companies to a point in the aforesaid Southerly right-of-way line; thence in a Southwesterly direction along said Southerly right-of-way line to a point in the West line of said Section Three (3); thence North along said West line and the West line of Section Thirty-Four (34), Twp. Eighteen (18) North, Range Three (3) West to the South Quarter Quarter line of said Section Thirty-Four (34); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Thirty-four (34); thence North along said center line to a point in the North Quarter Quarter line of said Section Thirty-four (34); thence West along said Quarter Quarter line to a point in the West Quarter Quarter line of said Section Thirty-four (34); thence North along said Quarter Quarter line to a point in the North line of said Section Thirty-four (34); thence West along said North line to the point of beginning.

Excepting from the above described parcel the Southwest Quarter (SW¼) of the Northeast Quarter (NE¼) of Section Six (6), Township Nineteen (19) North, Range Two (2) West; the rights-of-way of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company and the Chicago and Northwestern Railway Company; and the following described parcel:

Beginning at the Southeast corner of the Southeast Quarter (SE¼) of the Northeast Quarter (NE¼) of Section Twenty-seven (27), Township Eighteen (18) North, Range Three (3) West; thence West Ten (10) rods along the East and West center line of said Section Twenty-seven (27); thence North Ten (10) rods; thence East Ten (10) rods; thence South Ten (10) rods, to the point of beginning.

Also, beginning at a point, said point being the Section corner common to Sections Three (3), Four (4), Nine (9) and Ten (10), Township Eighteen (18) North, Range Two (2) West; thence East along the North line of said Section Ten (10) to the East Quarter Quarter line of said Section Ten (10); thence South along said Quarter Quarter line to a point in the East and West center line of said Section Ten (10); thence West along said center line to a point in the West line of said Section Ten (10); thence North along said West line to the North Quarter Quarter line of aforesaid Section Nine (9); thence West along said Quarter Quarter line to a point in the East Quarter Quarter line of said Section Nine (9); thence North along said Quarter Quarter line to a point in the North line of said Section Nine (9); thence East along said North line to the point of beginning.

Also, beginning at a point, said point being the Section corner common to Sections Fifteen (15), Sixteen (16), Twenty-one (21) and Twenty-two (22), Township Eighteen (18) North, Range Two (2) West; thence West along the South line of said Section Sixteen (16) to the North and South center line of said Section Sixteen (16); thence North along said center line to a point in the east and west center line of said Section Sixteen (16); thence East along said center line to a point in the East Quarter Quarter line of said Section Sixteen (16); thence North along said Quarter Quarter line to a point in the North Quarter Quarter line of said Section Sixteen (16); thence East along said Quarter Quarter line to a point in the East line of said Section Sixteen (16); thence South along said East line to the point of beginning.

Also, beginning at the Northeast corner of the Northeast Quarter (NE¼) of the Southeast Quarter (SE¼) of Section Eighteen (18), Township Seventeen (17) North, Range Two (2) West; thence West, Fifteen (15) chains, on the Quarter line; thence South, Eight (8) chains; thence East, Fifteen (15) chains; thence North, Eight (8) chains, to the point of beginning.

Also, beginning at the Southeast corner of the Southwest Quarter (SW¼) of the Northwest Quarter (NW¼), Section Ten (10), Twp. Seventeen (17) North, Range Two (2) West; thence North along the West Quarter Quarter line of said Section Ten (10) to a point, said point being the center of the Northwest Quarter (NW¼) of said Section Ten (10); thence West, along the North Quarter Quarter line of said Section Ten (10) and the North Quarter Quarter Line of Section Nine (9), Township Seventeen (17) North, Range Two (2) West, to a point, said point being the center of the Northeast Quarter (NE¼) of said Section Nine (9); thence South, along the East Quarter Quarter line of said Section Nine (9) and the East Quarter Quarter line of Section Sixteen (16), Twp. Seventeen (17) North, Range Two (2) West, to a point in the East and West center line of said Section Sixteen (16); thence due West, along said East and West center line, to a point, said point being the center of said Section Sixteen (16); thence due North, Nine Hundred Ninety (990) feet, more or less, along the center line of said Section Sixteen (16), to a point in the South line of the North One Hundred (100) acres of the Northwest Quarter (NW¼) of said Section Sixteen (16); thence due West, along said South line of said North One Hundred (100) acres, to a point in the West line of said Section Sixteen (16); thence due North, along said West line, to a point in the North Quarter Quarter line of Section Seventeen (17), Township Seventeen (17) North, Range Two (2) West; thence due West, along said North Quarter Quarter line, to a point in a North and South

line drawn parallel to and Sixty-four (64) rods East of the East Quarter Quarter line of said Section Seventeen (17); thence due South, Twenty (20) rods, along said North and South line, to a point; thence due West, Sixty-four (64) rods, to a point in the East Quarter Quarter line of said Section Seventeen (17); thence due South, along said East Quarter Quarter line to a point in the East and West center line of said Section Seventeen (17); thence due East, along said East and West center line, to a point in the East line of said Section Seventeen (17); thence due South, along said East line, to a point in the South Quarter Quarter line of said Section Seventeen (17); thence due West, along said South Quarter Quarter line and the South Quarter Quarter line of Section Eighteen (18), Twp. Seventeen (17) North, Range Two (2) West, and the South Quarter Quarter line of Section Thirteen (13), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Thirteen (13); thence due North, along said North and South center line, to a point, said point being the center of said Section Thirteen (13); thence due West, along the East and West center line of said Section Thirteen (13) to a point in the West Quarter Quarter line of said Section Thirteen (13); thence due North, along said West Quarter Quarter line, to a point in the North line of said Section Thirteen (13); thence due West, along said North line and the North line of Section Fourteen (14), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Fourteen (14); thence due South, One Thousand Three Hundred Twenty (1,320) feet, more or less, along said North and South center line, to a point in the North side of road running through said Section Fourteen (14); thence Northwesterly, Two Thousand Nine Hundred Fifty (2,950) feet, more or less, along the Northerly side of said road, to a point, said point being the Northwest corner of said Section Fourteen (14); thence due West, along the South line of Section Ten (10), Twp. Seventeen (17) North, Range Three (3) West, to a point in the West Quarter Quarter line of said Section Ten (10); thence due North, along said West Quarter Quarter line, to a point, said point being the center of the Southwest Quarter (SW¼) of said Section Ten (10); thence due West, along the South Quarter Quarter line of said Section Ten (10), to a point in the west line of said Section Ten (10); thence due North, along said West line, to a point in the North Quarter Quarter line of Section Nine (9), Twp. Seventeen (17) North, Range Three (3) West; thence due West, along said North Quarter Quarter line, to a point, said point being the center of the Northeast Quarter (NE¼) of said Section Nine (9); thence due North, along the East Quarter Quarter line of said Section Nine (9), to a point in the North line of said Section Nine (9); thence West, along said North line, to a point, said point being the intersection of the North and South center line and the South line of Section Four (4), Township Seventeen (17) North, Range Three (3) West; thence in a Southwesterly direction along said Southerly railroad right-of-way line across said Section Nine (9) and Section Eight (8), Township Seventeen (17) North, Range Three (3) West, to a point on the North line of Section Seventeen (17), Twp. Seventeen (17) North, Range Three (3) West; thence East along said North line to the Northeast corner of said Section Seventeen (17); thence South along the East line of said Section Seventeen (17) to the East and West center line of said Section Seventeen (17); thence West along said center line to a point in the North and South center line of said Section Seventeen (17); thence South along said center line to a point on the North line of Section Twenty (20), Twp. Seventeen (17) North, Range Three (3) West; thence West along said North line to the West Quarter Quarter line of

said Section Twenty (20); thence South along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Twenty (20); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Twenty (20); thence South along said center line to a point in the North line of Section Twenty-nine (29); Twp. Seventeen (17) North, Range Three (3) West; thence West along said North line to the West Quarter Quarter line of said Section Twenty-nine (29); thence South along said Quarter Quarter line to a point in the East and West center line of said Section Twenty-nine (29); thence East along said center line to a point in the North and South center line of said Section Twenty-nine (29); thence South along said center line to a point in the South Quarter Quarter line of said Section Twenty-nine (29); thence West along said Quarter Quarter line to a point in the West Quarter Quarter line of said Section Twenty-nine (29); thence South along said Quarter Quarter line to a point in the North line of Section Thirty-two (32), Twp. Seventeen (17) North, Range Three (3) West; thence East along said North line to the North and South center line of said Section Thirty-two (32); thence South along said center line to a point in the North Quarter Quarter line of said Section Thirty-two (32); thence East along said Quarter Quarter line to a point in the West line of Section Thirty-three (33), Twp. Seventeen (17) North, Range Three (3) West; thence North along said West line to a point, said point being Four Hundred Twelve (412) feet South of the Northwest corner of said Section Thirty-three (33); thence due East Four Hundred Fifty-two (452) feet to a point; thence South Thirty-two Degrees, Forty-five Minutes East (S 32°45' E) Four Hundred Seventy (470) feet to a point; thence continuing South Forty-five Degrees, Fifteen Minutes East (S 45°15' E) Four Hundred Twenty-eight (428) feet; thence South Fifty-three Degrees, Forty-five Minutes East (S 53°45' E) Three Hundred (300) feet; thence due East Sixty (60) feet to a point in West Quarter Quarter line, said point being One Thousand Three Hundred Four (1,304) feet South of the North line of said Section Thirty-three (33), Township Seventeen (17) North, Range Three (3) West; thence South along said Quarter Quarter line to a point in the East and West center line of said Section Thirty-three (33); thence East along said center line to a point in the North and South center line of said Section Thirty-three (33); thence South along said center line to a point in the South Quarter Quarter line of said Section Thirty-three (33); thence East along said Quarter Quarter line and the South Quarter Quarter line of Section Thirty-four (34), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Thirty-four (34); thence South along said center line to a point in the South line of said Section Thirty-four (34); thence East along said South line to the Southeast corner of said Section Thirty-four (34); thence North along the East line of said Section Thirty-four (34) to the North Quarter Quarter line of said Section Thirty-four (34); thence West along said Quarter Quarter line to a point in the North Quarter Quarter line of said Section Thirty-four (34); thence North along said Quarter Quarter line to a point in the North line of said Section Thirty-four (34); thence West along said North line to the Southeast corner of Section Twenty-eight (28), Twp. Seventeen (17) North, Range Three (3) West; thence North along the East lines of said Section Twenty-eight (28) and Section Twenty-one (21), Twp. Seventeen (17) North, Range Three (3) West, to the South Quarter Quarter line of Section Twenty-two (22), Twp. Seventeen (17) North, Range Three (3) West; thence East along said Quarter Quarter line to a point in the West Quarter Quarter line of said Section Twenty-two (22); thence North along said Quarter Quarter

line to a point in the East and West center line of said Section Twenty-two (22); thence East along said center line to a point in the West line of Section Twenty-three (23), Twp. Seventeen (17) North, Range Three (3) West; thence South along said West line to the North line of the South Half (S½) of the Northwest Quarter (NW¼) of the Southwest Quarter (SW¼); thence East along said North line to a point in the West Quarter Quarter line of said Section Twenty-three (23); thence South along said Quarter Quarter line to a point in the center line of Old United States Highway No. Sixteen (16), which is equal to Station 851 + 00 of Wisconsin Highway Commission Road Plans of Project Number 325-A; thence Easterly along said centerline on a curve to the left of Two Thousand Eight Hundred Sixty-four and Nine Tenths (2,864.9) feet radius, a distance of One Thousand Three Hundred Sixty-two (1,362) feet to a point, said point being the intersection of the North and South center line of said Section Twenty-three (23) with the center line of aforesaid highway, which is equal to Station 837 +38 of said highway plans; thence East along South Quarter Quarter line of Section Twenty-three (23) and the South Quarter Quarter line of Section Twenty-four (24), Twp. Seventeen (17) North, Range Three (3) West, to a point in the North and South center line of said Section Twenty-four (24); thence North along said center line to a point on a line lying One Hundred Twenty-six (126) feet Northerly of and parallel to the center line of New United States Highway No. Sixteen (16) as now located; thence Easterly along said line to a point in the East Quarter Quarter line of said Section Twenty-four (24); thence South along said Quarter Quarter line to a point on the North right-of-way line of New United States Highway No. Sixteen (16); thence in a Southeasterly direction along said North right-of-way line to a point in the West line of Section Nineteen (19), Township Seventeen (17) North, Range Two (2) West; thence South along said West line to the North Quarter Quarter line of said Section Nineteen (19); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Nineteen (19); thence South along said center line to a point in the North right-of-way line of Old Highway Sixteen (16); thence Northeasterly along said North right-of-way line to a point in the West line of Section Twenty (20), Township Seventeen (17) North, Range Two (2) West; thence South along said West line to the Northwest corner of Section Twenty-nine (29), Township Seventeen (17) North, Range Two (2) West; thence East along the North line of said Section Twenty-nine (29) to the West Quarter Quarter line of said Section Twenty-nine (29); thence South along said Quarter Quarter line to a point in the North Quarter Quarter line; thence East along said Quarter Quarter line and the North Quarter Quarter line of Section Twenty-eight (28), Township Seventeen (17) North, Range Two (2) West to a point in the West Quarter Quarter line of said Section Twenty-eight (28); thence North along said Quarter Quarter line to a point in the South line of Section Twenty-one (21); Township Seventeen (17) North, Range Two (2) West; thence East along said South line to the East Quarter Quarter line of said Section Twenty-one (21); thence North along said Quarter Quarter line to a point in the South Quarter Quarter line of said Section Twenty-one (21); thence East along said Quarter Quarter line to a point in the East line of said Section Twenty-one (21); thence North along said East line and the West line of Section Fifteen (15), Township Seventeen (17) North, Range Two (2) West, to the East and West center line of said Section Fifteen (15); thence East along center line to a point in the West Quarter Quarter line of said Section Fifteen (15); thence North along said Quarter

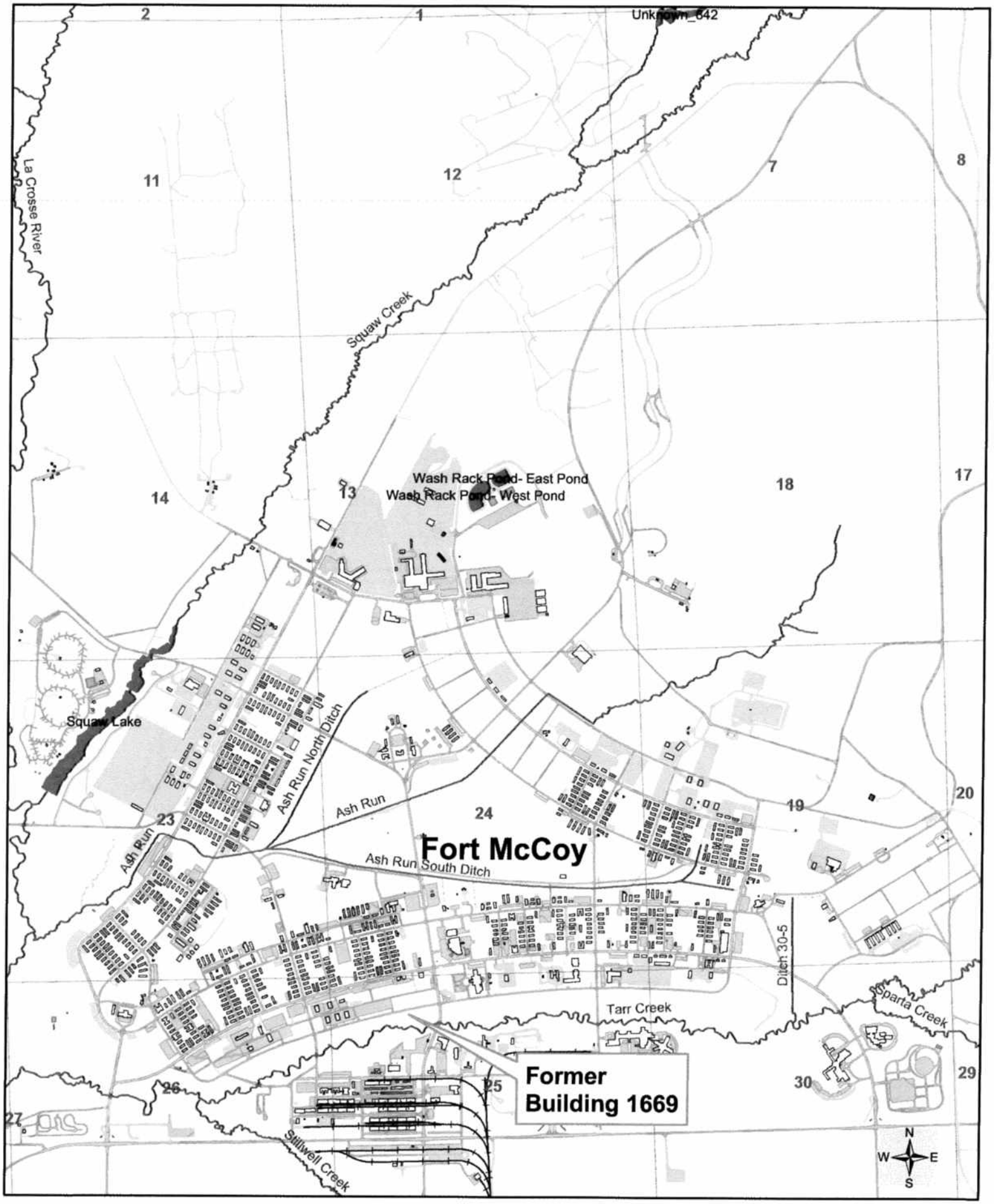
Quarter line to a point in the North Quarter Quarter line of said Section Fifteen (15); thence East along said Quarter Quarter line to a point in the North and South center line of said Section Fifteen (15); thence North along said center line to a point in the South line of Section Ten (10), Township Seventeen (17) North, Range Two (2) West; thence West along said South line to the Southwest corner of said Section Ten (10); thence North along the West line of said Section Ten (10) to the East and West center line of said Section Ten (10); thence East along said center line to the Southeast corner of the Southwest Quarter (SW¼) of the Northwest Quarter (NW¼) of said Section Ten (10), said corner being the point of beginning.

Excepting from the above described parcel the right-of-way of new U. S. Highway No. 16.

Containing within the limits above described 47,414.88 acres of land, more or less.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the Department of Justice to be affixed this 22nd day of September, A.D., 1952.

James P. McGranery.
Attorney General of the United States



0 1,000 2,000 4,000 Feet

1 inch equals 2,000 feet

Figure 1
Site Location Map
Former Building 1669
Fort McCoy, WI

Created By: Jason Schuster
June 16, 2006
Modified By: COB 1/2/07

VT Griffin

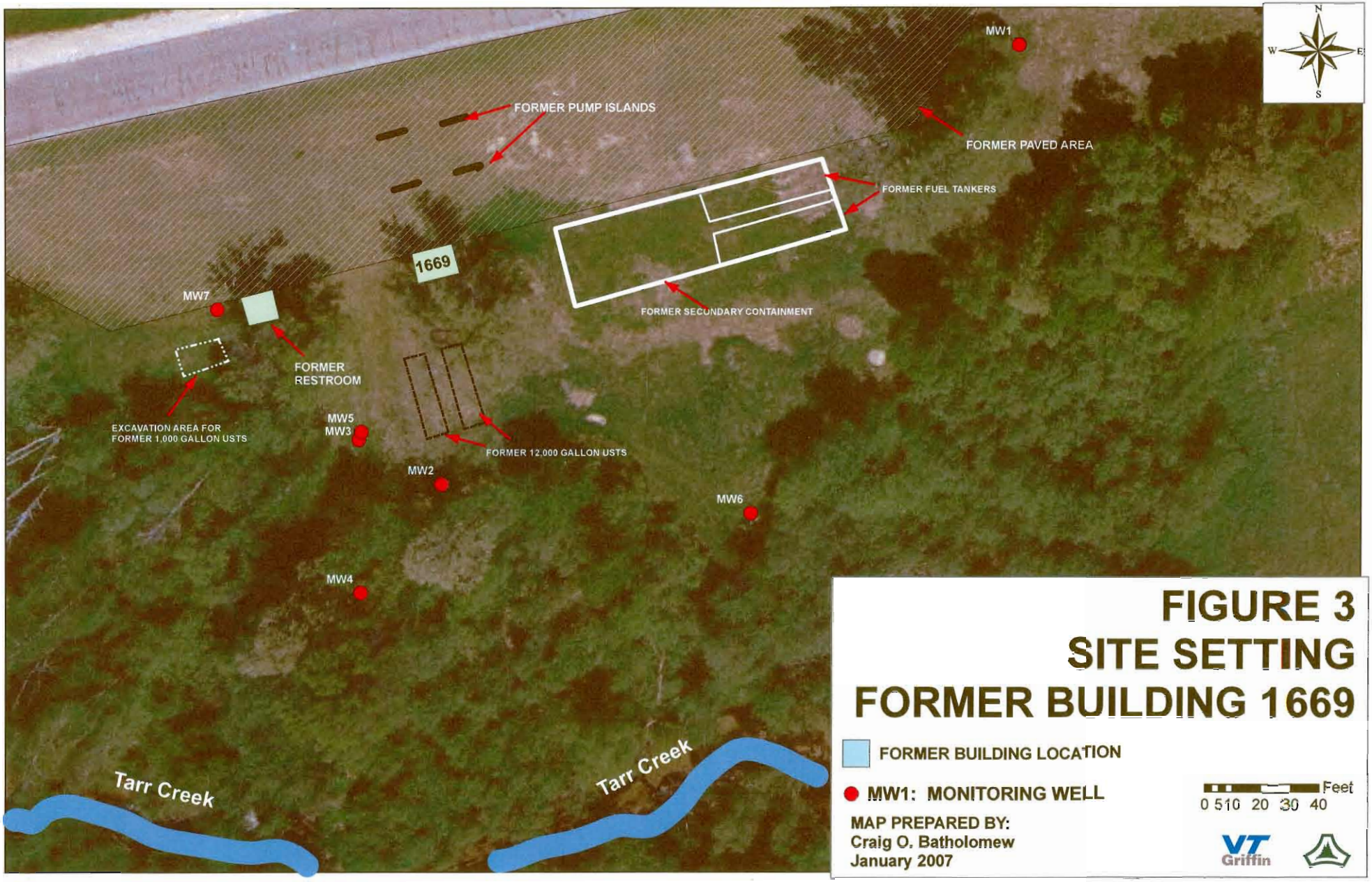


FIGURE 3
SITE SETTING
FORMER BUILDING 1669

TABLE 1
BUILDING 1669
FORMER POL 5
GROUNDWATER MONITORING
DETECTED PARAMETERS

PARAMETERS	NR 140 ES[1]	NR 140 PAL[2]	MW1									MW2									MW3								
	(µg/L)	(µg/L)	12/28/90	1/29/91	11/21/91	12/18/92	4/26/94	10/25/94	1/24/95	7/29/97	10/25/06	12/28/90	1/29/91	11/21/91	12/18/92	4/26/94	10/25/94	1/24/95	7/29/97	10/25/06	12/28/90	1/29/91	11/21/91	12/18/92	4/26/94	10/25/94	1/24/95	7/29/97	10/25/06
CONTAMINANTS (µg/L)																													
Acenaphthene	NS	NS	<10.8	<10.8	NA	<3.2	NA	NA	NA	NA	<0.25	<10.8	<10.8	NA	<3.2	NA	NSP	NSP	NSP	<0.25	<10.8	<10.8	NA	6.6	NA	NA	NA	NA	<0.25
Anthracene	3,000	600	<15.9	<15.9	NA	NA	NA	NA	NA	NA	<0.020	<15.9	<15.9	NA	NA	NA	NSP	NSP	NSP	<0.020	<15.9	<15.9	NA	NA	NA	NA	NA	NA	<0.020
Benzene	5	0.5	*1.76*	<0.06	<0.6	<0.50	NDA	<0.5	<1.60	<0.08	<0.50	*2.44*	*1.19*	<0.6	*1.6*	NA	NSP	NSP	NSP	<0.50	***61.7***	***51.3***	***17***	***80***	NDA	***21.90***	*0.61*	***13***	<0.50
Benzo(a)anthracene	NS	NS	<24.7	<24.7	NA	<1.9	NA	NA	NA	NA	0.054	<24.7	<24.7	NA	<1.9	NA	NSP	NSP	NSP	<0.0081	<24.7	<24.7	NA	<1.9	NA	NA	NA	NA	<0.0082
Benzo(a)pyrene	0.2	0.02	<29.4	<29.4	NA	<1.7	NA	NA	NA	NA	***0.28 P***	<29.4	<29.4	NA	<1.7	NA	NSP	NSP	NSP	<0.018	<29.4	<29.4	NA	<1.7	NA	NA	NA	NA	<0.018
Benzo(b)fluoanthene	0.2	0.02	<28.0	<28.0	NA	<1.8	NA	NA	NA	NA	<0.0071	<28.0	<28.0	NA	<1.8	NA	NSP	NSP	NSP	<0.0071	<28.0	<28.0	NA	<1.8	NA	NA	NA	NA	0.018
Benzo(k)fluoranthene	NS	NS	<28.0	<28.0	NA	<1.5	NA	NA	NA	NA	<0.0092	<28.0	<28.0	NA	<1.5	NA	NSP	NSP	NSP	<0.0091	<28.0	<28.0	NA	<1.5	NA	NA	NA	NA	<0.0092
n-Butylbenzene	NS	NS	<0.50	<0.50	<5.6	<0.50	NA	NA	NA	NA	NA	5.23	<0.50	5.4	4.0	NA	NSP	NSP	NSP	NA	23.7	<0.50	27	21	NA	NA	NA	NA	NA
n-Propylbenzene	NS	NS	<0.50	<0.50	<3.4	<0.50	NA	NA	NA	NA	NA	<0.50	<0.50	<3.4	4.0	NA	NSP	NSP	NSP	NA	<0.50	<0.50	<3.4	24	NA	NA	NA	NA	NA
Chloromethane	3	0.3	<0.07	<0.07	<2.9	*2.3*	NA	NA	NA	NA	NA	<0.07	<0.07	<2.9	<0.60	NA	NSP	NSP	NSP	NA	<0.07	<0.07	<2.9	***24***	NA	NA	NA	NA	NA
Cumene	NS	NS	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	6.6	NA	NSP	NSP	NSP	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA
Cymene	NS	NS	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	1.7	NA	NSP	NSP	NSP	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA
Diesel Range Organics	NS	NS	NA	NA	<100	120	NDA	<80	110	<100	NA	NA	NA	<100	<120	NA	NSP	NSP	NSP	NA	NA	NA	200	450	NDA	<80	140	430	NA
Ethylbenzene	700	140	<0.01	<0.01	<1.5	<0.50	NDA	<1.0	<1.70	<0.08	<0.50	4.41	<0.01	8.4	8.5	NA	NSP	NSP	NSP	<0.50	1.08	9.74	37	90	NDA	15.78	1.10	2.20	<0.50
Fluoranthene	400	80	<19.8	<19.8	NA	<2.9	NA	NA	NA	NA	<0.022	<19.8	<19.8	NA	<2.9	NA	NSP	NSP	NSP	0.022 P	<19.8	<19.8	NA	<2.9	NA	NA	NA	NA	0.035 P
Fluorene	400	80	<12.6	<12.6	NA	<1.2	NA	NA	NA	NA	<0.15	<12.6	<12.6	NA	<1.2	NA	NSP	NSP	NSP	<0.15	<12.6	<12.6	NA	2.0	NA	NA	NA	NA	<0.15
Gasoline Range Organics	NS	NS	NA	NA	<100	<10	NDA	<10	<50	<50	NA	NA	NA	100	345	NA	NSP	NSP	NSP	NA	NA	NA	200	650	NDA	360	<50	240	NA
Indeno(1,2,3-cd)pyrene	NS	NS	<36.2	<36.2	NA	<1.4	NA	NA	NA	NA	<0.028	<36.2	<36.2	NA	<1.4	NA	NSP	NSP	NSP	<0.027	<36.2	<36.2	NA	<1.4	NA	NA	NA	NA	<0.028
Methyl tert-butyl ether	60	12	ND[6]	ND[6]	<1.3	<1.0	NDA	<2.5	<0.64	<0.07	<0.50	ND[6]	ND[6]	<1.3	<1.0	NA	NSP	NSP	NSP	<0.50	ND[6]	ND[6]	<1.3	<10	NDA	<5.0	<0.64	1.4	<0.50
Naphthalene[3]	40	8	<0.10	<0.10	<4.7	<0.50	NDA	3.550	<1.80	<0.08	<2.6	2.19	2.19	<4.7	3.3	NA	NSP	NSP	NSP	<2.6	*26.9*	6.36	*19*	***52***	NDA	5.768	<1.80	0.8	<2.6
Phenanthrene	NS	NS	<15.9	<15.9	NA	<1.5	NA	NA	NA	NA	<0.031	<15.9	<15.9	NA	<1.5	NA	NSP	NSP	NSP	<0.030	<15.9	<15.9	NA	3.9	NA	NA	NA	NA	0.084
Pyrene	250	50	<20.6	<20.6	NA	<2.1	NA	NA	NA	NA	0.22 P	<20.6	<20.6	NA	<2.1	NA	NSP	NSP	NSP	0.079	<20.6	<20.6	NA	<2.1	NA	NA	NA	NA	0.038 P
sec-Butylbenzene	NS	NS	<0.10	<0.10	<3.8	<0.50	NA	NA	NA	na	NA	<0.10	<0.10	<3.8	3.2	NA	NSP	NSP	NSP	NA	<0.10	<0.10	<3.8	<5.0	NA	NA	NA	NA	NA
Tetrahydrofuran	50	10	NA	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	6.8	NA	NSP	NSP	NSP	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA
Toluene	1,000	200	2.95	<0.02	<2.0	<0.50	NDA	3.075	<0.73	<0.08	<0.50	3.63	3.06	<2.0	1.9	NA	NSP	NSP	NSP	<0.50	<0.02	16.5	<2.0	9.7	NDA	<4.916	0.39	0.2J	<0.50
1,1,1-Trichloroethane	200	40	<0.05	<0.05	<1.4	<0.50	NA	NA	NA	NA	NA	<0.05	<0.05	<1.4	<0.50	NA	NSP	NSP	NSP	NA	<0.05	<0.05	<1.4	<5.0	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene[4]	480	96	<0.10	<0.10	<3.5	<0.50	NDA	5.885	<1.40	<0.09	<0.50	<0.10	<0.10	9.3	8.6	NA	NSP	NSP	NSP	<0.50	<0.10	<0.10	<3.5	74	NDA	<6.062	0.77	0.4	<0.50
1,3,5-Trimethylbenzene[4]			<0.05	<0.05	<3.4	<0.50	NDA	4.125	<1.50	0.2	<0.50	<0.05	<0.50	3.6	2.8	NA	NSP	NSP	NSP	<0.50	<0.05	<0.05	<3.4	<5.0	NDA	1.124	<1.50	0.5	<0.50
Xylene	10,000	1,000	<0.02[7]	<0.02	NA	NA	NDA	NA	NA	NA	NA	<0.02[7]	<0.02	NA	NA	NA	NSP	NSP	NSP	NA	<0.02[7]	<0.02[7]	NA	NA	NDA	NA	NA	NA	NA
m-Xylene	10,000	1,000	0.68	<0.02	NA	NA	NA	NA	NA	NA	NA	7.67	2.16	NA	NA	NA	NSP	NSP	NSP	NA	74.5	6.53	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene[5]	10,000	1,000	NA	NA	<1.5	<1.0	NA	3.830	<2.90	<0.08	<0.90	NA	NA	<1.5	11	NA	NSP	NSP	NSP	<0.90	NA	NA	1.7	49	NA	7.500	0.88	0.3	<0.90
o-Xylene[5]	10,000	1,000	<0.02	<0.02	<1.0	<1.0	NA	2.720	<1.60	<0.1	<0.50	4.25	0.15	2.3	4.6	NA	NSP	NSP	NSP	<0.50	13.9	10.2	5.1	38	NA	1.224	<1.60	0.3	<0.50
INDICATOR PARAMETERS																													
Alkalinity, Total (mg/L)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	100	NA	NA	NA	NA	NA	NSP	NSP	NSP	190	NA	NA	NA	NA	NA	NA	NA	NA	130
Iron, Total (µg/L)	300 (µg/L)	150 (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	***578***	NA	NA	NA	NA	NA	NSP	NSP	NSP	***1,740***	NA	NA	NA	NA	NA	NA	NA	NA	***3,030***
Lead, Total (µg/L)	15	1.5	NA	NA	<1.0	*4*	<1	<1	<1	<1.2	*1.7*	NA	NA	*4.0*	*11*	NA	NSP	NSP	NSP	*5.2*	NA	NA	<1.0	<4	<1	<1	<1	<1.2	<1.3
Manganese, Total (µg/L)	50	25	NA	NA	NA	NA	NA	NA	NA	NA	2.3	NA	NA	NA	NA	NA	NSP	NSP	NSP	21.0	NA	NA	NA	NA	NA	NA	NA	NA	***127***
Methane (µg/L)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	0.56	NA	NA	NA	NA	NA	NSP	NSP	NSP	5.7	NA	NA	NA	NA	NA	NA	NA	NA	0.28
Nitrate Nitrogen, Total (mg/L)	10,000 (µg/L)	2,000 (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	0.35	NA	NA	NA	NA	NA	NSP	NSP	NSP	0.081	NA	NA	NA	NA	NA	NA	NA	NA	1.3
Sulfate, Total (mg/L)	250,000 (µg/L)	125,000 (µg/L)	NA	NA	NA	NA	NA	NA	NA	NA	7.6	NA	NA	NA	NA	NA	NSP	NSP	NSP	3.8	NA	NA	NA	NA	NA	NA	NA	NA	12
FIELD PARAMETERS																													
Temperature (° C)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	12	NA	NA	NA	NA	NA	NSP	NSP	NSP	11.9	NA	NA	NA	NA	NA	NA	NA	NA	12.1
Specific Conductance (µmhos/cm)	NS	NS	NA	NA	NA	NA	NA	NA	NA	1,291	562.1	NA	NA	NA	NA	NA	NSP	NSP	NSP	472.2	NA	NA	NA	NA	NA	NA	NA	758	771.9
Dissolved Oxygen (mg/l)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	1.6	NA	NA	NA	NA	NA	NSP	NSP	NSP	1.13	NA	NA	NA	NA	NA	NA	NA	NA	1.31
pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	6	6.58	NA	NA	NA	NA	NA	NSP	NSP	NSP	6.81	NA	NA	NA	NA	NA	NA	NA	6	6.79
Redox Potential (Eh/millivolts)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	232	NA	NA	NA	NA	NA	NSP	NSP	NSP	186	NA	NA	NA	NA	NA	NA	NA	NA	297

[1] NR 140 ES = NR 140 Enforcement Standard
[2] NR 140 PAL = NR 140 Preventive Action Limit
[3] Naphthalene results shown in the table are from EPA 8020A or 8021 or EPA 8260B and not from the EPA 8310 analyses
[4] The ES and PAL are for Total Trimethylbenzene=1,2,4-Trimethylbenzene + 1,3,5-Trimethylbenzene.
[5] The ES and PAL are for Total Xylene = m&p-Xylene + o-Xylene
[6] Detection Limit not reported
[7] p-xylene
P=Concentration of analyte differs more than 40% between primary and confirmation analysis.
J=Concentration between the limit of detection and the limit of quantitation.
M=Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptable limits.
Bold/Italic=ES exceedance
Italic=PAL exceedance
NDA=No Data Available
NS=No Standard
NSP=Not Sampled
NA=Not Analyzed
CHECKED BY:

TABLE 1
BUILDING 1669
FORMER POL 5
GROUNDWATER MONITORING
DETECTED PARAMETERS

PARAMETERS	NR 140 ES[1]	NR 140 PAL[2]	MW4								MW5								MW6								MW7							
	(µg/L)	(µg/L)	11/21/91	12/30/91	12/18/92	4/26/94	10/25/94	1/24/95	7/29/97	10/25/06	11/21/91	12/30/91	12/18/92	4/26/94	10/25/94	1/24/95	7/29/97	10/25/06	11/21/91	12/30/91	12/18/92	4/24/94	10/25/94	1/24/95	7/29/97	10/25/06	11/21/91	12/30/91	12/18/92	4/26/94	10/25/94	1/24/95	7/29/97	10/25/06
CONTAMINANTS (µg/L)																																		
Acenaphthene	NS	NS	NA	NA	<3.2	NA	NA	NA	NA	0.55 P	NA	NA	<3.2	NA	NSP	NSP	NSP	<0.25	NA	NA	<3.2	NA	NA	NA	NA	0.26 P	NA	NA	<3.2	NA	NA	NA	NA	<0.25
Anthracene	3,000	600	NA	NA	NA	NA	NA	NA	NA	0.020 P	NA	NA	NA	NA	NSP	NSP	NSP	<0.020	NA	NA	NA	NA	NA	NA	NA	<0.021	NA	NA	NA	NA	NA	NA	NA	<0.021
Benzene	5	0.5	***4***	<0.6	***4.9***	<50	***4.76***	***3.10***	<0.08	<0.50	***1.7***	<0.6	***6.0***	NA	NSP	NSP	NSP	<0.50	<0.6	<0.6	<0.50	NDA	<0.5	<1.60	<0.08	<0.40	<0.6	<0.6	<0.50	<50	<0.5	<1.60	<0.08	<0.50
Benzo(a)anthracene	NS	NS	NA	NA	<1.9	NA	NA	NA	NA	0.046	NA	NA	<1.9	NA	NSP	NSP	NSP	0.077	NA	NA	<1.9	NA	NA	NA	NA	0.060	NA	NA	<1.9	NA	NA	NA	NA	0.045
Benzo(a)pyrene	0.2	0.02	NA	NA	<1.7	NA	NA	NA	NA	<0.018	NA	NA	<1.7	NA	NSP	NSP	NSP	<0.018	NA	NA	<1.7	NA	NA	NA	NA	<0.019	NA	NA	<1.7	NA	NA	NA	NA	<0.019
Benzo(b)fluoanthene	0.2	0.02	NA	NA	<1.8	NA	NA	NA	NA	***0.10 P***	NA	NA	<1.8	NA	NSP	NSP	NSP	***0.036***	NA	NA	<1.8	NA	NA	NA	NA	<0.0072	NA	NA	<1.8	NA	NA	NA	NA	0.013
Benzo(k)fluoranthene	NS	NS	NA	NA	<1.5	NA	NA	NA	NA	<0.0092	NA	NA	<1.5	NA	NSP	NSP	NSP	0.033	NA	NA	<1.5	NA	NA	NA	NA	<0.0093	NA	NA	<1.5	NA	NA	NA	NA	<0.0093
n-Butylbenzene	NS	NS	<5.6	<5.6	<0.50	NA	NA	NA	NA	NA	<5.6	<5.6	1.3	NA	NSP	NSP	NSP	NA	<5.6	<5.6	<0.50	NA	NA	NA	NA	<0.40	<5.6	<5.6	<0.50	NA	NA	NA	NA	NA
n-Propylbenzene	NS	NS	<3.4	<3.4	1.4	NA	NA	NA	NA	NA	<3.4	<3.4	1.2	NA	NSP	NSP	NSP	NA	<3.4	<3.4	<0.50	NA	NA	NA	NA	<0.40	<3.4	<3.4	<0.50	NA	NA	NA	NA	NA
Chloromethane	3	0.3	<2.9	<2.9	<0.60	NA	NA	NA	NA	NA	<2.9	<2.9	<0.60	NA	NSP	NSP	NSP	NA	<2.9	<2.9	***2.8***	NA	NA	NA	NA	<0.60	<2.9	<2.9	***0.9***	NA	NA	NA	NA	NA
Cumene	NS	NS	NA	NA	1.1	NA	NA	NA	NA	NA	NA	NA	0.85	NA	NSP	NSP	NSP	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA
Cymene	NS	NS	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	NSP	NSP	NSP	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	NA	NA	NA
Diesel Range Organics	NS	NS	<100	<100	<120	<50	90	160	<100	NA	<100	<100	360	NA	NSP	NSP	NSP	NA	<100	<100	250	NDA	<80	100	<100	NA	<100	<100	<120	<50	<80	<260	<100	NA
Ethylbenzene	700	140	4.5	<1.5	2.1	<50	5.525	0.79	<0.08	<0.50	<1.5	<1.5	6.3	NA	NSP	NSP	NSP	<0.50	<1.5	<1.5	<0.50	NDA	<1.0	<1.70	<0.08	<0.50	<1.5	<1.5	<0.50	<50	10.165	1.7	<0.08	<0.50
Fluoranthene	400	80	NA	NA	<2.9	NA	NA	NA	NA	<0.022	NA	NA	<2.9	NA	NSP	NSP	NSP	<0.022	NA	NA	<2.9	NA	NA	NA	NA	<0.023	NA	NA	<2.9	NA	NA	NA	NA	<0.023
Fluorene	400	80	NA	NA	<1.2	NA	NA	NA	NA	<0.15	NA	NA	<1.2	NA	NSP	NSP	NSP	<0.15	NA	NA	<1.2	NA	NA	NA	NA	<0.15	NA	NA	<1.2	NA	NA	NA	NA	<0.15
Gasoline Range Organics	NS	NS	<100	<100	44	150	40	61	<50	NA	<100	<100	62	NA	NSP	NSP	NSP	NA	<100	<100	<10	NDA	<10	<50	<50	NA	<100	<100	<10	<100	<10	<50	<50	NA
Indeno(1,2,3-cd)pyrene	NS	NS	NA	NA	<1.4	NA	NA	NA	NA	<0.028	NA	NA	<1.4	NA	NSP	NSP	NSP	0.047	NA	NA	<1.4	NA	NA	NA	NA	<0.028	NA	NA	<1.4	NA	NA	NA	NA	<0.028
Methyl tert-butyl ether	60	12	<1.3	<1.3	<1.0	<50	<2.50	6.30	0.5	<0.50	<1.3	<1.3	<1.0	NA	NSP	NSP	NSP	<0.50	<1.3	<1.3	<1.0	NDA	<2.5	<0.64	<0.07	<0.40	<1.3	<1.3	<1.0	<50	<2.5	<0.64	<0.07	<0.50
Naphthalene[3]	40	8	<4.7	<4.7	2.0	<50	5.115	1.40	0.2J	<2.6	<4.7	<4.7	2.2	NA	NSP	NSP	NSP	<2.6	<4.7	<4.7	<0.50	NDA	4.190	<1.80	<0.08	<0.70	<4.7	<4.7	<0.50	<50	6.360	<1.80	<0.08	<2.6
Phenanthrene	NS	NS	NA	NA	<1.5	NA	NA	NA	NA	<0.031	NA	NA	<1.5	NA	NSP	NSP	NSP	<0.031	NA	NA	<1.5	NA	NA	NA	NA	<0.031	NA	NA	<1.5	NA	NA	NA	NA	0.040
Pyrene	250	50	NA	NA	<2.1	NA	NA	NA	NA	0.27 P	NA	NA	<2.1	NA	NSP	NSP	NSP	0.16 P	NA	NA	<2.1	NA	NA	NA	NA	0.047	NA	NA	<2.1	NA	NA	NA	NA	0.11 P
sec-Butylbenzene	NS	NS	<3.8	<3.8	<0.50	NA	NA	NA	NA	NA	<3.8	<3.8	<0.50	NA	NSP	NSP	NSP	NA	<3.8	<3.8	<0.50	NA	NA	NA	NA	<0.50	<3.8	<3.8	<0.50	NA	NA	NA	NA	NA
Tetrahydrofuran	50	10	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NSP	NSP	NSP	NA	NA	NA	<2.0	NA	NA	NA	NA	<7.0	NA	NA	<2.0	NA	NA	NA	NA	NA
Toluene	1,000	200	<2.0	<2.0	<0.50	<50	3.830	0.51	0.1J	<0.50	<2.0	<2.0	0.77	NA	NSP	NSP	NSP	<0.50	<2.0	<2.0	<0.50	NDA	3.41	<0.73	<0.08	<0.40	<2.0	<2.0	<0.50	<50	4.710	<0.73	0.2J	<0.50
1,1,1-Trichloroethane	200	40	<1.4	<1.4	<0.50	NA	NA	NA	NA	NA	<1.4	<1.4	<0.50	NA	NSP	NSP	NSP	NA	8.4	<1.4	<0.50	NA	NA	NA	NA	<0.50	<1.4	<1.4	<0.50	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene[4]	480	96	<3.5	<3.5	<0.50	<50	7.140	<1.40	<0.09	<0.50	<3.5	<3.5	8.0	NA	NSP	NSP	NSP	<0.50	<3.5	<3.5	<0.50	NDA	6.305	<1.40	<0.09	<0.50	<3.5	<3.5	<0.50	<50	10.635	<1.40	0.1J	<0.50
1,3,5-Trimethylbenzene[4]			<3.4	<3.4	<0.50	<50	5.355	<1.50	0.1J	<0.50	<3.4	<3.4	1.5	NA	NSP	NSP	NSP	<0.50	<3.4	<3.4	<0.50	NDA	4.810	<1.50	<0.07	<0.40	<3.4	<3.4	<0.50	<50	6.720	<1.50	<0.07	<0.50
Xylene	10,000	1,000	NA	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA	NSP	NSP	NSP	NA	NA	NA	NA	NDA	NA	NA	NA	NA	NA	NA	NA	<100	NA	NA	NA	NA
m-Xylene	10,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NSP	NSP	NSP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene[5]	10,000	1,000	<1.5	<1.5	<1.0	NA	5.415	<2.90	<0.08	<0.90	<1.5	<1.5	2.8	NA	NSP	NSP	NSP	<0.90	<1.5	<1.5	<1.0	NA	4.435	<2.90	<0.08	<0.90	<1.5	<1.5	<1.0	NA	<1.0	<2.90	0.1J	<0.90
o-Xylene[5]	10,000	1,000	<1.0	<1.0	<1.0	NA	3.670	<1.60	<0.1	<0.50	<1.0	<1.0	5.6	NA	NSP	NSP	NSP	<0.50	<1.0	<1.0	<1.0	NA	2.905	<1.60	<0.1	<0.60	<1.0	<1.0	<1.0	NA	6.510	<1.60	<0.1	<0.50
INDICATOR PARAMETERS																																		
Alkalinity, Total (mg/L)	NS	NS	NA	NA	NA	NA	NA	NA	NA	120	NA	NA	NA	NA	NSP	NSP	NSP	150	NA	NA	NA	NA	NA	NA	NA	77	NA	NA	NA	NA	NA	NA	NA	180
Iron, Total (µg/L)	300 (µg/L)	150 (µg/L)	NA	NA	NA	NA	NA	NA	NA	***22,800***	NA	NA	NA	NA	NSP	NSP	NSP	***524***	NA	NA	NA	NA	NA	NA	NA	***6,190***	NA	NA	NA	NA	NA	NA	NA	***1,090***
Lead, Total (µg/L)	15	1.5	<1	***5***	***4***	<1	<1	<1	<1.2	***6.6***	<1	<5	***5***	NA	NSP	NSP	NSP	<1.3	***22***	<5	<4	<1	<1	2	<1.2	***3.9***	***28***	***26***	***20***	<1	<1	<1	<1.2	<1.3
Manganese, Total (µg/L)	50	25	NA	NA	NA	NA	NA	NA	NA	***812***	NA	NA	NA	NA	NSP	NSP	NSP	8.1	NA	NA	NA	NA	NA	NA	NA	***93.5***	NA	NA	NA	NA	NA	NA	NA	***221***
Methane (µg/L)	NS	NS	NA	NA	NA	NA	NA	NA	NA	4.8	NA	NA	NA	NA	NSP	NSP	NSP	0.43	NA	NA	NA	NA	NA	NA	NA	2.6	NA	NA	NA	NA	NA	NA	NA	0.51
Nitrate Nitrogen, Total (mg/L)	10,000 (µg/L)	2,000 (µg/L)	NA	NA	NA	NA	NA	NA	NA	1.7	NA	NA	NA	NA	NSP	NSP	NSP	***4.4***	NA	NA	NA	NA	NA	NA	NA	0.47	NA	NA	NA	NA	NA	NA	NA	***3.2***
Sulfate, Total (mg/L)	250,000 (µg/L)	125,000 (µg/L)	NA	NA	NA	NA	NA	NA	NA	8.0	NA	NA	NA	NA	NSP	NSP	NSP	9.9	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	11
FIELD PARAMETERS																																		
Temperature (° C)	NS	NS	NA	NA	NA	NA	NA	NA	NA	11.1	NA	NA	NA	NA	NSP	NSP	NSP	12.1	NA	NA	NA	NA	NA	NA	NA	11.2	NA	NA	NA	NA	NA	NA	NA	13.6
Specific Conductance (µmhos/cm)	NS	NS	NA	NA	NA	NA	NA	NA	634	814.3	NA	NA	NA	NA	NSP	NSP	NSP	689.5	NA	NA	NA	NA	NA	NA	400	782.4	NA	NA	NA	NA	NA	NA	2,000	917.5
Dissolved Oxygen (mg/l)	NS	NS	NA	NA	NA	NA	NA	NA	NA	1.52	NA	NA	NA	NA	NSP	NSP	NSP	1.27	NA	NA	NA	NA	NA	NA	NA	1.19	NA	NA	NA	NA	NA	NA	NA	1.32
pH	NS	NS	NA	NA	NA	NA	NA	NA	6	6.66	NA	NA	NA	NA	NSP	NSP	NSP	6.76	NA	NA	NA	NA	NA	NA	6	6.49	NA	NA	NA	NA	NA	NA	NA	6.78
Redox Potential (Eh/millivolts)	NS	NS	NA	NA	NA	NA	NA	NA	NA	242	NA	NA	NA	NA	NSP	NSP	NSP	316	NA	NA	NA	NA	NA	NA	NA	285	NA	NA	NA	NA	NA	NA	NA	326

[1] NR 140 ES = NR 140 Enforcement Standard

[2] NR 140 PAL = NR 140 Preventive Action Limit

[3] Naphthalene results shown in the table are from EPA 8020A or 8021 or EPA 8260B and not from the EPA 8310 analyses

[4] The ES and PAL are for Total Trimethylbenzene=1,2,4-Trimethylbenzene + 1,3,5-Trimethylbenzene.

[5] The ES and PAL are for Total Xylene = m&p-Xylene + o-Xylene

[6] Detection Limit not reported

[7] p-xylene

P=Concentration of analyte differs more than 40% between primary and confirmation analysis.

J=Concentration between the limit of detection and the limit of quantitation.

M=Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptable limits.

Bold/Italic=ES exceedance

Italic=PAL exceedance

NDA=No Data Available

NS=No Standard

NSP=Not Sampled

NA=Not Analyzed

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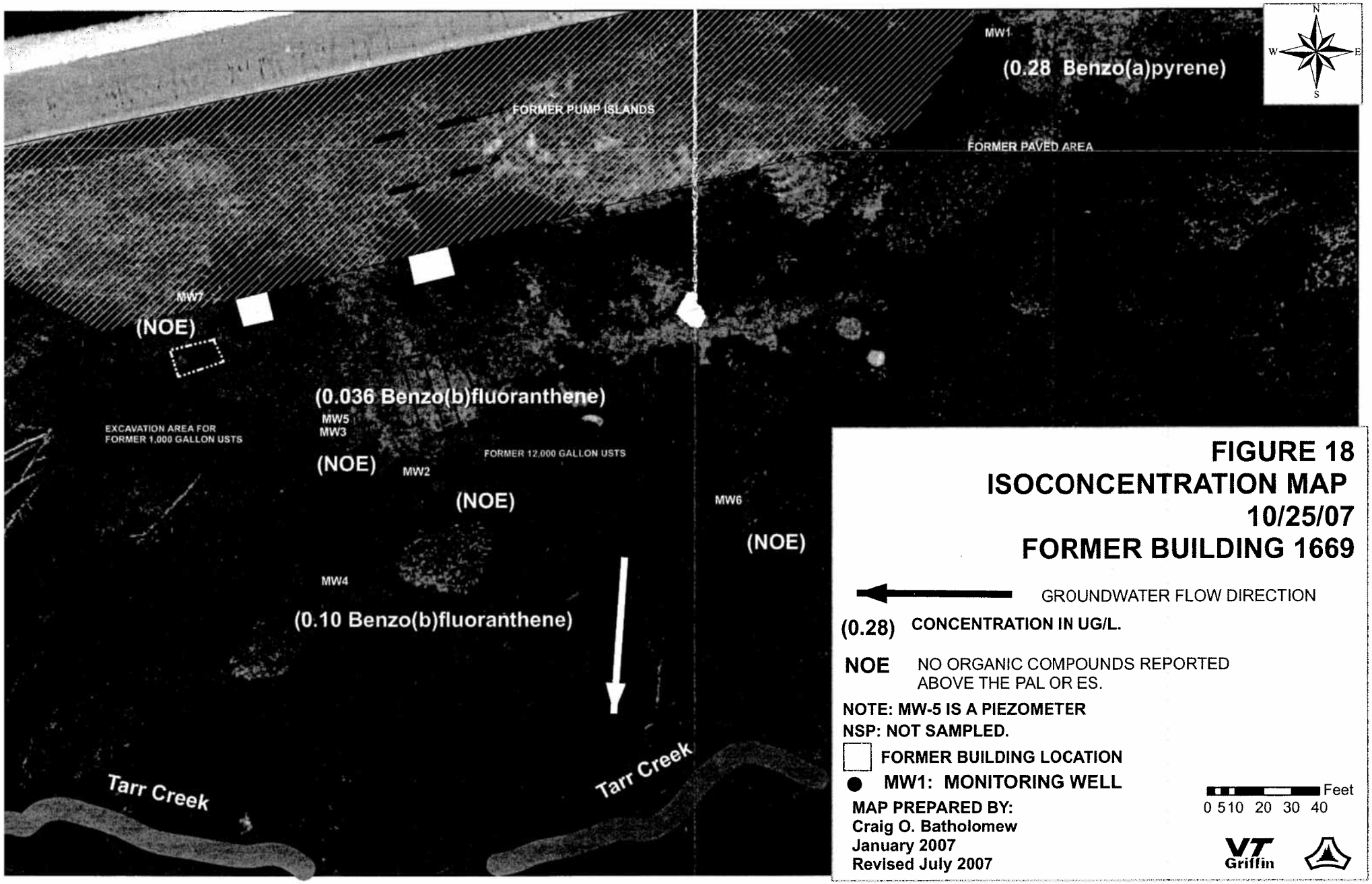


FIGURE 18
ISOCONCENTRATION MAP
10/25/07
FORMER BUILDING 1669

GROUNDWATER FLOW DIRECTION

(0.28) **CONCENTRATION IN UG/L.**

NOE NO ORGANIC COMPOUNDS REPORTED ABOVE THE PAL OR ES.

NOTE: MW-5 IS A PIEZOMETER

NSP: NOT SAMPLED.

FORMER BUILDING LOCATION

MW1: MONITORING WELL

Feet
0 5 10 20 30 40

MAP PREPARED BY:
Craig O. Batholomew
January 2007
Revised July 2007

VT Griffin

TABLE 2
BUILDING 1669
GROUNDWATER ELEVATIONS

WELL	MP ELEVATION	DATE	DEPTH TO WATER	GROUNDWATER ELEVATION
MW1	864.55	12/28/90	8.95	855.60
		12/31/90	9.00	855.55
		1/29/91	9.18	855.37
	864.40	12/2/91	7.74	856.66
		12/15/92	8.88	855.52
		4/26/94	14.22	850.18
		10/25/94	7.75	856.65
		7/29/97	8.28	856.12
		10/25/06	9.37	855.03
MW2	862.67	12/28/90	8.90	853.77
		12/31/90	9.04	853.63
		1/29/91	9.12	853.55
	861.91	12/2/91	8.19	853.72
		12/15/92	8.26	853.65
		10/25/94	8.49	853.42
		7/29/97	9.12	852.79
		10/25/06	10.16	851.75
MW3	862.13	12/28/90	9.20	852.93
		12/31/90	9.22	852.91
		1/29/91	9.42	852.71
	862.44	12/2/91	8.42	854.02
		12/15/92	8.43	854.01
		4/26/94	8.38	854.06
		10/25/94	8.72	853.72
		7/29/97	9.43	853.01
		10/25/06	10.45	851.99
MW4	857.05	12/2/91	5.34	851.71
		12/15/92	4.74	852.31
		4/26/94	4.50	852.55
		10/25/94	5.56	851.49
		7/29/97	6.44	850.61
		10/24/06	7.60	849.45
MW5	862.08	12/2/91	7.49	854.59
		12/15/92	7.47	854.61
		10/25/94	7.73	854.35
		7/29/97	8.72	853.36
		10/25/06	9.37	852.71
MW6	857.88	12/2/91	4.96	852.92
		12/15/92	4.53	853.35
		4/26/94	4.51	853.37
		10/25/94	5.04	852.84
		7/29/97	5.36	852.52
		10/25/06	6.42	851.46
MW7	862.52	12/2/91	7.16	855.36
		12/15/92	7.18	855.34
		4/26/94	7.10	855.42
		10/25/94	7.21	855.31
		7/29/97	7.90	854.62
		10/25/06	8.47	854.05

NM = NOT MEASURED

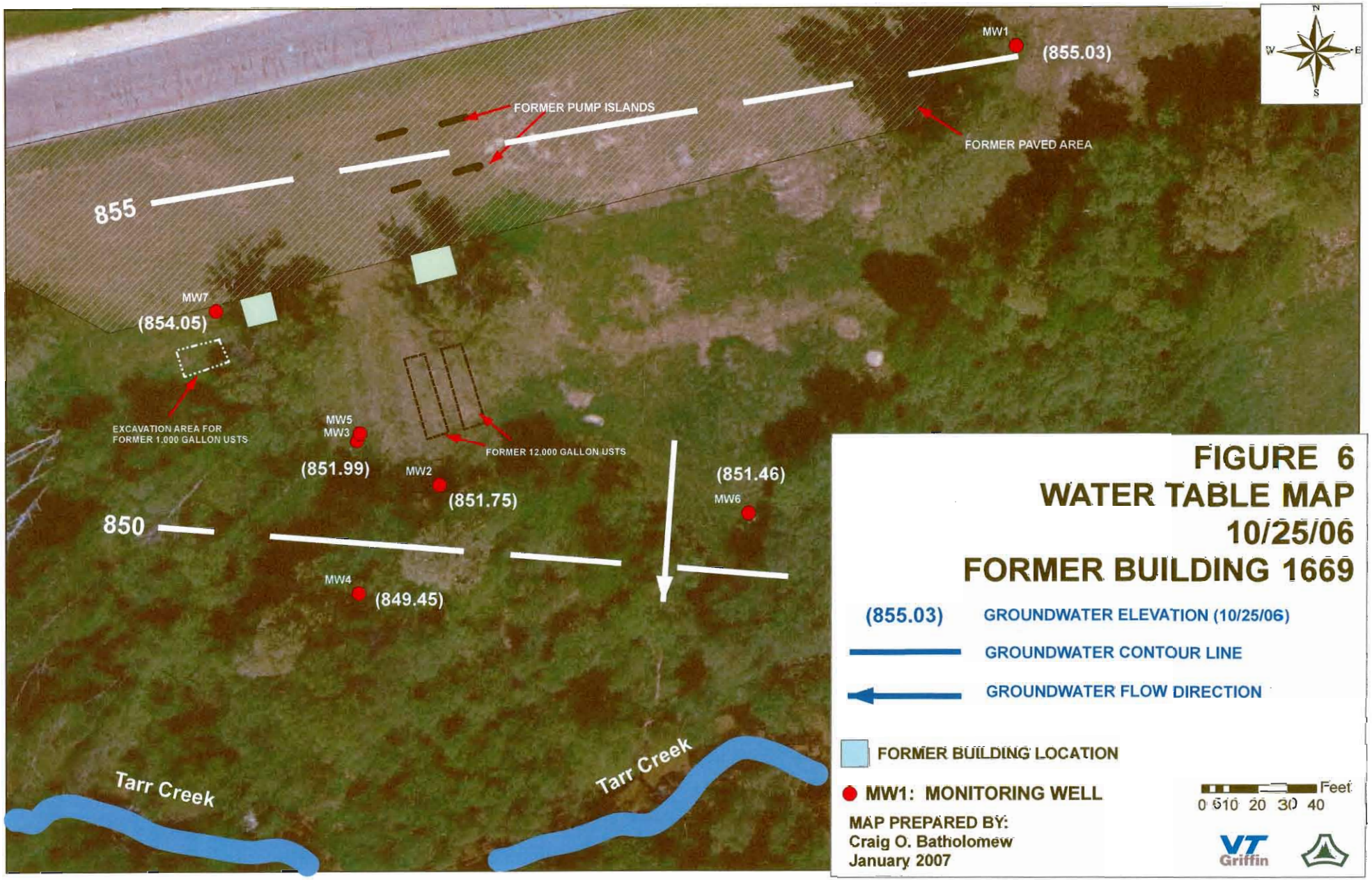

MW1
(855.03)
FORMER PUMP ISLANDS
FORMER PAVED AREA
855
MW7
(854.05)
EXCAVATION AREA FOR
FORMER 1,000 GALLON USTS
MW5
MW3
(851.99)
MW2
(851.75)
FORMER 12,000 GALLON USTS
(851.46)
MW6
850
MW4
(849.45)
Tarr Creek
Tarr Creek
N
W
E
S
FIGURE 6
WATER TABLE MAP
10/25/06
FORMER BUILDING 1669
(855.03) GROUNDWATER ELEVATION (10/25/06)
GROUNDWATER CONTOUR LINE
GROUNDWATER FLOW DIRECTION
FORMER BUILDING LOCATION
MW1: MONITORING WELL
Feet
0 5 10 20 30 40
MAP PREPARED BY:
Craig O. Batholomew
January 2007
VT Griffin

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES FORMER BUILDING 1669
FORT McCOY, WISCONSIN

YEAR	TASK	SCOPE	SAMPLING POINT	PARAMETER												
				DATE COLLECTED	TPH (mg/kg)	TPH (as GRO--mg/kg)	TPH (as DRO--mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylene (µg/kg)	MTBE (µg/kg)	1,2,4-TMB (µg/kg)	1,3,5-TMB (µg/kg)	TOTAL PVOCS DETECTED (µg/kg)	Lead (mg/kg)
1989	TANK REMOVAL[1]	REMOVAL OF TWO 12,000 GALLON USTS (1-GASOLINE; 1-DIESEL); 2 TPH SAMPLES FROM EXCAVATION AT 6 FEET.	East End (6')	11/14/1989	121	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			West End (6')	11/14/1989	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990	PHASE I INVESTIGATION[2]	7 BORINGS, THREE OF WHICH COMPLETED AS MONITORING WELLS--SOIL SAMPLES FOR TPH, BTEX, AND Pb.	MW1 [B-1] (2-4)	12/11/1990	NA	<1.0	NA	<1	80	<1	70	NA	NA	NA	150	0.72
			MW1 (4-6)	12/11/1990	NA	<1.0	NA	<1	100	<1	<1	NA	NA	NA	100	0.59
			B-2 (2-4)	12/11/1990	NA	<1.0	NA	<1	90	<1	60	NA	NA	NA	150	2.07
			B-3 (2-4)	12/11/1990	NA	<1.0	NA	<1	20	<1	20	NA	NA	NA	40	1.46
			B-4 (2-4)	12/11/1990	NA	<1.0	NA	<1	70	150	400	NA	NA	NA	620	3.88
			MW2 (4-6)	12/11/1990	NA	<1.0	NA	<1	80	<1	<1	NA	NA	NA	80	9.90
			MW3 (4-6)	12/11/1990	NA	226	NA	*4580*	*19,900*	***15,200***	***79,000***	NA	NA	NA	118,680	5.01
			B-7 (4-6)	12/11/1990	NA	<1.0	NA	<1	<1	<1	<1	NA	NA	NA	0	1.19
			B-7 (5-7)	12/12/1990	NA	<1.0	NA	<1	150	<1	<1	NA	NA	NA	150	0.94
1991	TANK REMOVAL--OCTOBER[3]	REMOVED 2--1,000 GALLON USTS (KEROSENE & REPORTEDLY SOLVENT) TWO SOIL SAMPLES TPH.	Tank 1 (Kerosene)	10/16/1991	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Tank 2 (Solvent)	10/16/1991	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1991	PHASE II INVESTIGATION---NOVEMBER[4]	5 BORINGS WITH THREE OF THEM COMPLETED AS MONITORING WELLS AND ONE COMPLETED AS A PIEZOMETER: 8 SOIL SAMPLES FOR GRO/DRO/BTEX/Pb.	MW4 (2-4)	11/20/1991	NA	<0.5	<0.5	<6	<20	<15	<25	<25	<25	<25	0	<2.93
			MW5 (6-8)	11/21/1991	NA	<0.5	<0.5	<6	<20	<15	<25	<25	<25	<25	0	<2.91
			MW5 (8-10)	11/21/1991	NA	<0.5	<0.5	<6	<20	<15	<25	<25	<25	<25	0	<2.91
			MW6 (0-2)	11/20/1991	NA	<0.5	<0.5	<6	<20	<15	<25	<25	<25	<25	0	3.58
			MW6 (2-4)	11/20/1991	NA	<0.5	<0.5	<6	<20	<15	<25	<25	<25	<25	0	<2.93
			MW7 (6-8)	11/21/1991	NA	1.1	<0.5	<6	<20	<15	<25	<25	<25	<25	0	<2.91
			MW7 (8-10)	11/21/1991	NA	<0.5	<0.5	<6	<20	<15	<25	<25	<25	<25	0	<2.91
			SB-1 (2-3)	11/21/1991	NA	0.8	<0.5	<6	*23,000*	<15	<25	<25	<25	<25	23,000	5.61
1995	ADDITIONAL INVESTIGATION[5]	20 BORINGS, 78 SOIL SAMPLES--PVOCS, ONLY SAMPLES WITH DETECTIONS ARE INCLUDED IN THIS TABLE	1669-01A-08[6]	4/13/1995	NA	NA	NA	<20	<11	<12	295	<21	98	<17	393	NA
			1669-02-06[7]	4/13/1995	NA	NA	NA	1.56	3.28	<1.0	<2.0	5.99	<1.0	<1.0	10.83	NA
			1669-02-08[7]	4/13/1995	NA	NA	NA	*6.52*	13.4	2.76	3.17	23.5	<1.0	<1.0	49.35	NA
			1669-08-06[6]	4/20/1995	NA	NA	NA	<20	<11	<12	41	<21	<14	<17	41	NA
			1669-08-06[7]	8/30/1995	NA	NA	NA	*13.7*	<1.0	8.14	7.88	18.6	<1.0	20.0	68.32	NA
			1669-08-08[7]	8/30/1995	NA	NA	NA	*55.4*	18.9	85.4	137.8	59.6	111	94.7	562.80	NA
			1669-08-10[6]	8/3/1995	NA	NA	NA	*61*	52	57	50	56	110	<17	386	NA
			1669-09-10[7]	8/31/1995	NA	NA	NA	*90.8*	168	<1.0	<2.0	302	<1.0	<1.0	560.8	NA
			1669-11-04[7]	8/31/1995	NA	NA	NA	*17.8*	<1.0	<1.0	<2.0	3.90	<1.0	<1.0	21.7	NA
			1669-11-06[7]	8/31/1995	NA	NA	NA	3.51	<1.0	<1.0	<2.0	3.46	<1.0	<1.0	6.97	NA
			1669-12-08[7]	8/31/1995	NA	NA	NA	*21.4*	11.3	28.1	34.5	23.4	36.8	16.8	172.3	NA
			1669-12-10[7]	8/31/1995	NA	NA	NA	*25.8*	10.6	32.5	56.6	126	45.0	26.2	322.7	NA
			1669-14-04[7]	8/31/1995	NA	NA	NA	*21.4*	89.1	<1.0	447	22.9	948	594	2,122.40	NA
			1669-14-06[7]	8/31/1995	NA	NA	NA	*37.3*	145	93.6	272.10	<1.0	227	151	926	NA
			1669-14-08[7]	8/31/1995	NA	NA	NA	*10.9*	<1.0	18.3	11.0	19.9	9.76	9.93	79.79	NA
			1669-14-10[7]	8/31/1995	NA	NA	NA	4.87	<1.0	3.44	<2.0	13.2	<1.0	<1.0	21.51	NA
			1669-15-04[7]	9/1/1995	NA	NA	NA	<1.0	<1.0	<1.0	<2.0	1.86	<1.0	<1.0	1.86	NA
			1669-15-06[7]	9/1/1995	NA	NA	NA	*44.7*	52.7	80.0	299	4.08	497	374	1,351.48	NA
			1669-16-04[7]	9/25/1995	NA	NA	NA	*6.86*	9.2	<1.0	13.9	3.65	<1.0	<1.0	33.61	NA
			1669-16-06[7]	9/25/1995	NA	NA	NA	*10.7*	12.2	19.6	21.9	7.96	57.8	43.8	173.96	NA
			1669-17-04[7]	9/25/1995	NA	NA	NA	0.67	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.67	NA
			1669-17-06[7]	9/25/1995	NA	NA	NA	1.83	<1.0	1.90	6.43	<1.0	10.1	6.05	26.31	NA
			1669-18-06[7]	9/26/1995	NA	NA	NA	*956*	*11,600*	<1.0	2,850	33,100	<1.0	<1.0	48,506	NA
			1669-18-10[7]	9/26/1995	NA	NA	NA	1.50	<1.0	<1.0	<2.0	1.29	<1.0	<1.0	2.79	NA
			1669-20-06[7]	9/26/1995	NA	NA	NA	*11.8*	<1.0	3.17	<2.0	15.5	<1.0	8.90	39.37	NA
			1669-20-08[7]	9/26/1995	NA	NA	NA	*19.9*	<1.0	14.0	9.64	46.4	31.1	20.2	141.24	NA
			1669-23-04[7]	9/27/1995	NA	NA	NA	*13.7*	45.1	100	268	28.2	236	195	886	NA
			1669-23-06[6]	9/27/1995	NA	*3,700*	NA	<13,000	*9,300*	***20,000***	***95,000***	<14,000	58,000	**39,000**	221,300	NA
			1669-23-08[7]	9/27/1995	NA	NA	NA	*157*	376	965	2,750	958	1,130	<1.0	6,336	NA
Residual Contaminant Level (RCL)--NR 720.09 and Interim Guidance for PAHs					NS	100	100	5.5	1,500	2,900	4,100	NS	NS	NS	NS	50
Indicators of Residual Petroleum Product in Soil Pores--NR 746.06, Table 1					NS	NS	NS	8,500	38,000	4,600	42,000	NS	83,000	11,000	NS	NS

[1] Midwest Electro-Tech Corp. 1989. Site Assessment Letter to Lynn MacIntosh, Fort McCoy Environmental, Fort McCoy, WI. December 21.

[2] Michaels Engineering Inc. 1991. Underground Storage Tank Remedial Actions A and B. Department of The Army, Fort McCoy, Wisconsin. MEI: BR89047 C & F. March 1991.

[3] Braun Intertec. 1992. Petroleum Tank Release Investigation. Fort McCoy Military Reservation, Fort McCoy, Wisconsin. Prepared for McCoy Military Reservation. Project Number CMKX-91-0305. June 22, 1992.

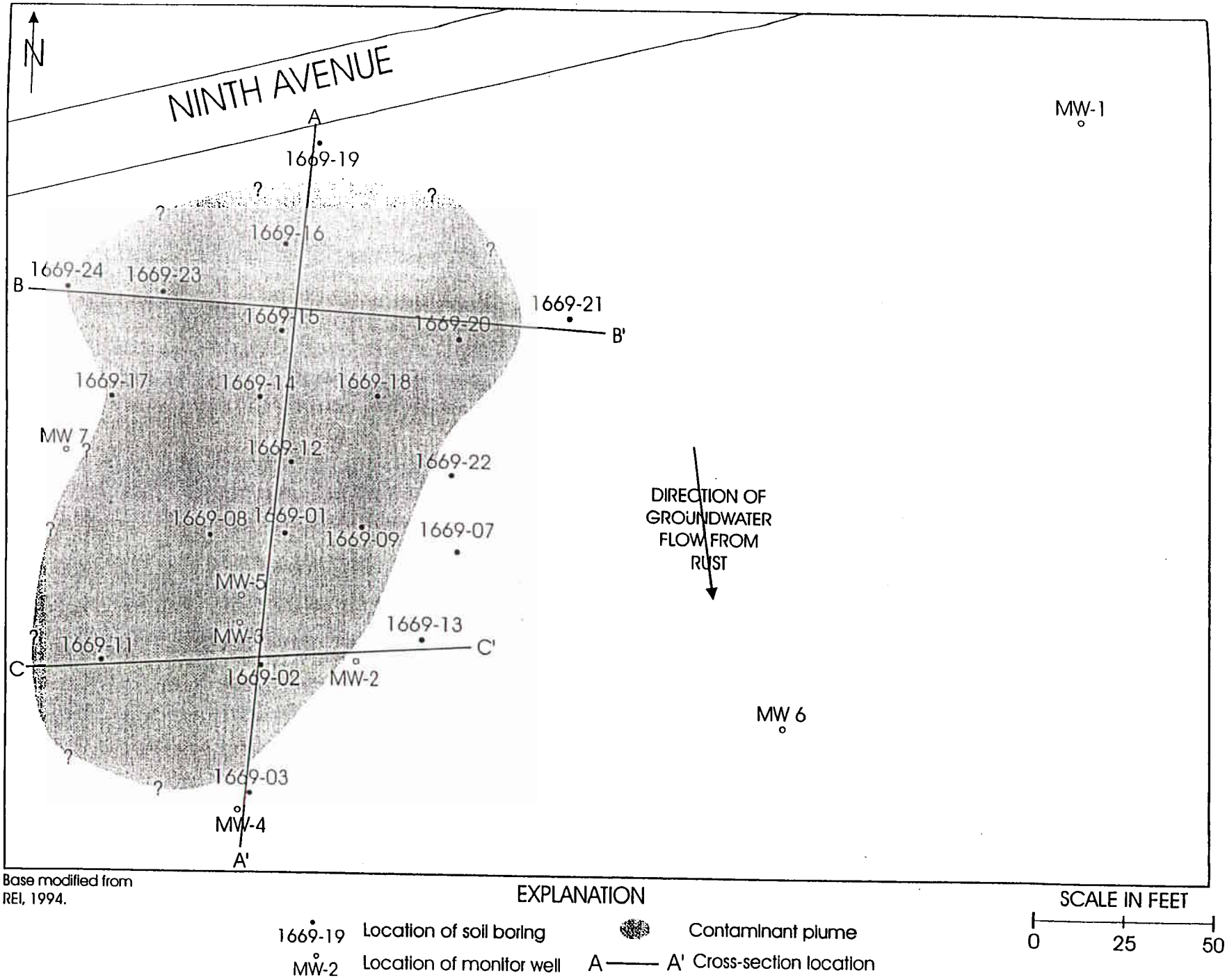
[4] Michaels Engineering Inc. 1992. Phase II Remedial Investigation. Fort McCoy Military Base, Sparta, Wisconsin. MEI F1389AIE (BR89047H). March 1992.

[5] U.S. Geological Survey. 1995. Underground Storage Tank Investigation of Central Fuel Storage Facility (Building 2190), Six Petroleum, Oil and Lubrication Stations and Their Associated Pipeline, Fort McCoy, Wisconsin. John F. DeWild. Prepared in Cooperation with the Fort McCoy Environmental and Natural Resources Division.

[6] Fixed Base Laboratory

[7] Field Laboratory

Note: Sample numbers for the 1995 investigation--the 1st four digits represent the building number, the next two digits represent the boring number, and the last two digits are the depth of the bottom of the 2 foot sampling interval.
NA = Not Analyzed; NS = No Standard
Italic = *N*R 720.09 Exceedence
Bold = NR 746.06, Table 1 Exceedance



Base modified from REI, 1994.

Figure 18. -- Location of soil borings, monitor wells and extent of the contaminant plume in the vicinty of building1669 (P.O.L number 5) on Fort McCoy, Wisconsin

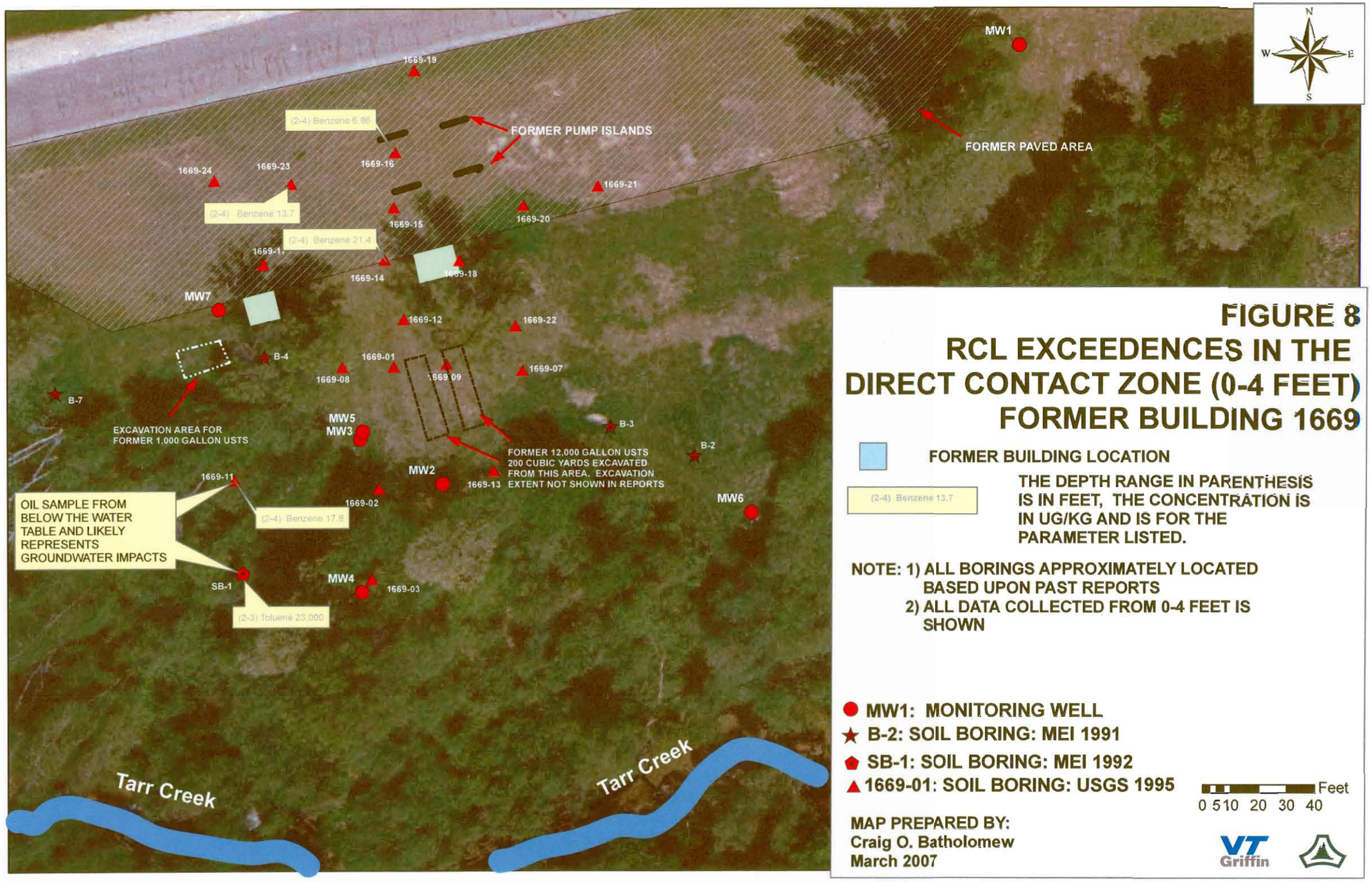


FIGURE 8
RCL EXCEEDENCES IN THE DIRECT CONTACT ZONE (0-4 FEET) FORMER BUILDING 1669

FORMER BUILDING LOCATION

(2-4) Benzene 13.7

THE DEPTH RANGE IN PARENTHESIS IS IN FEET, THE CONCENTRATION IS IN UG/KG AND IS FOR THE PARAMETER LISTED.

NOTE: 1) ALL BORINGS APPROXIMATELY LOCATED BASED UPON PAST REPORTS
2) ALL DATA COLLECTED FROM 0-4 FEET IS SHOWN

- MW1: MONITORING WELL
- B-2: SOIL BORING: MEI 1991
- SB-1: SOIL BORING: MEI 1992
- 1669-01: SOIL BORING: USGS 1995

Feet
0 5 10 20 30 40

MAP PREPARED BY:
Craig O. Batholomew
March 2007

VT Griffin

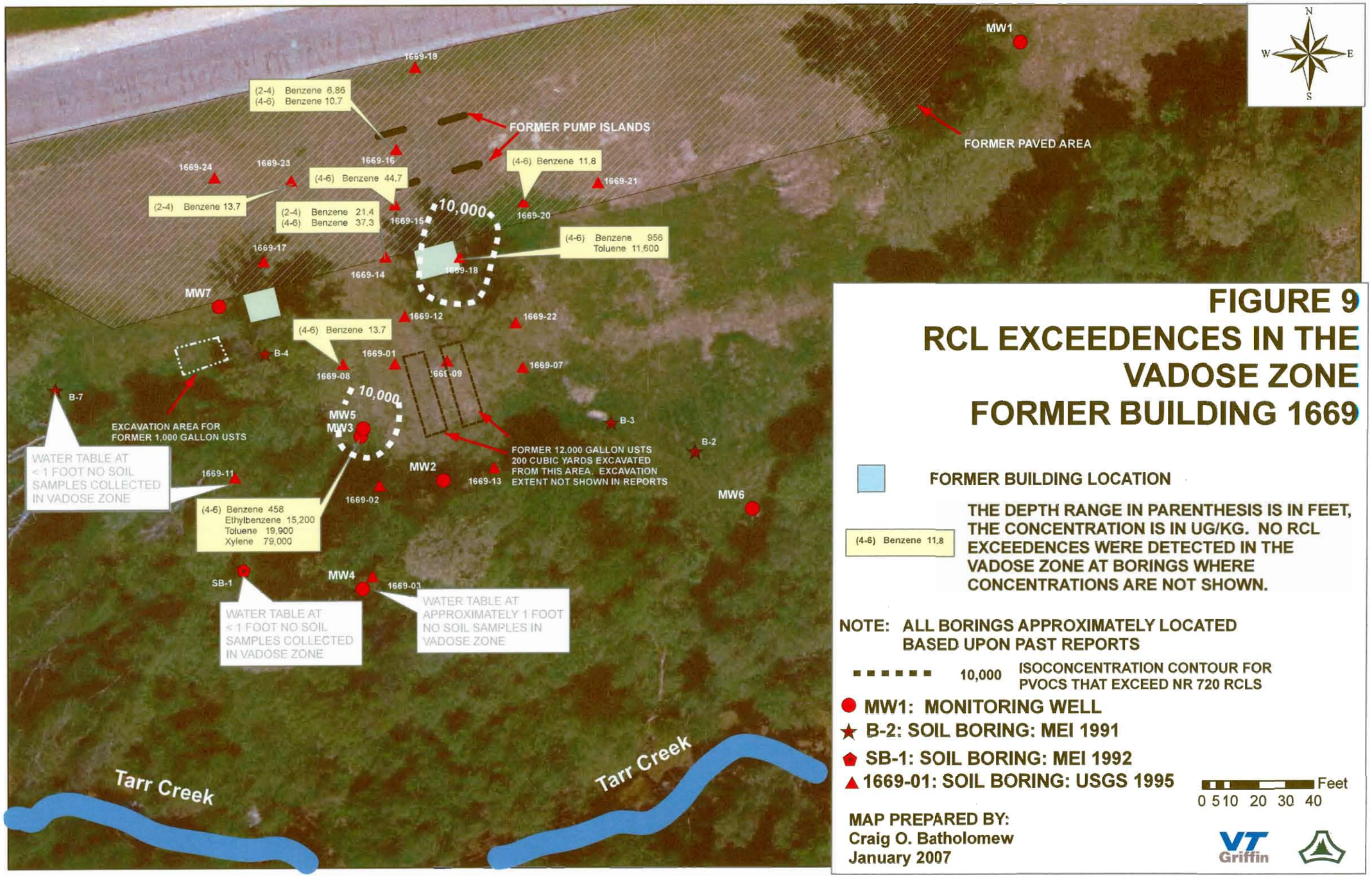


FIGURE 9
RCL EXCEEDENCES IN THE VADOSE ZONE FORMER BUILDING 1669

FORMER BUILDING LOCATION

(4-6) Benzene 11.8

THE DEPTH RANGE IN PARENTHESIS IS IN FEET, THE CONCENTRATION IS IN UG/KG. NO RCL EXCEEDENCES WERE DETECTED IN THE VADOSE ZONE AT BORINGS WHERE CONCENTRATIONS ARE NOT SHOWN.

NOTE: ALL BORINGS APPROXIMATELY LOCATED BASED UPON PAST REPORTS

10,000 ISOCONCENTRATION CONTOUR FOR PVOCS THAT EXCEED NR 720 RCLS

MW1: MONITORING WELL

B-2: SOIL BORING: MEI 1991

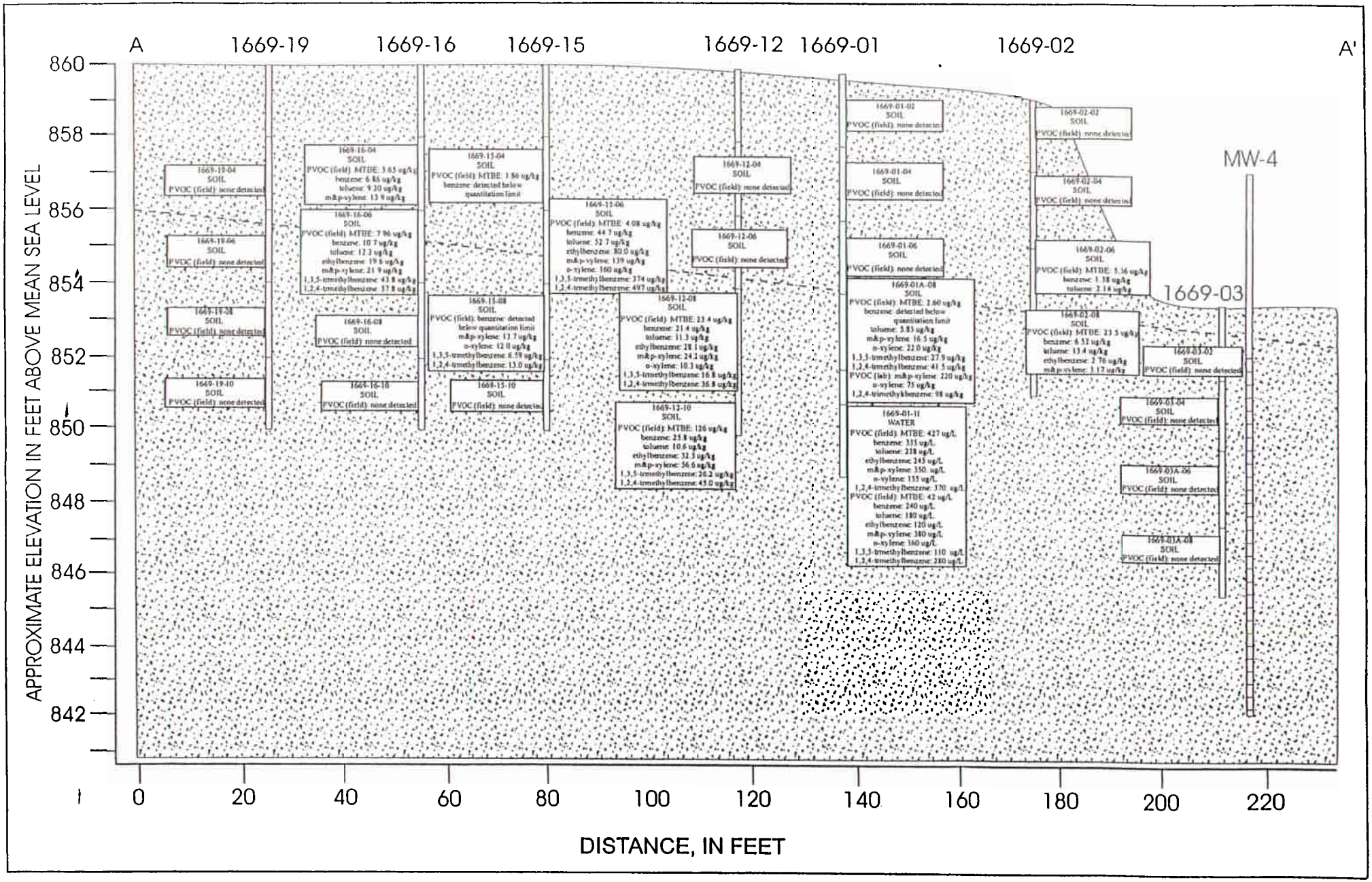
SB-1: SOIL BORING: MEI 1992

1669-01: SOIL BORING: USGS 1995

0 5 10 20 30 40 Feet

MAP PREPARED BY:
Craig O. Batholomew
January 2007

VT Griffin

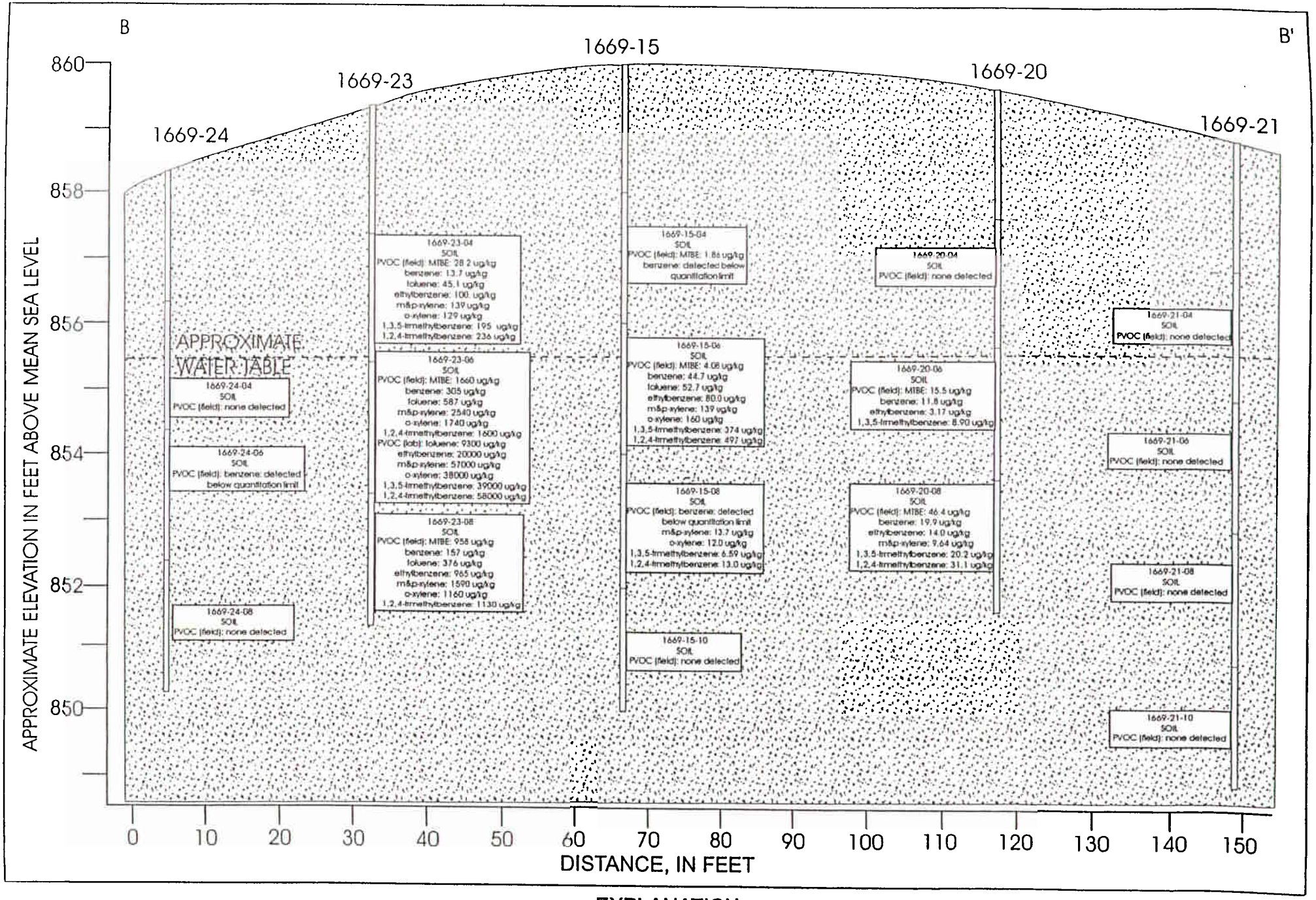


EXPLANATION

1669-19 soil boring
11669-19-04 sample interval
MW-4 monitor well location

medium grained sand

well screen

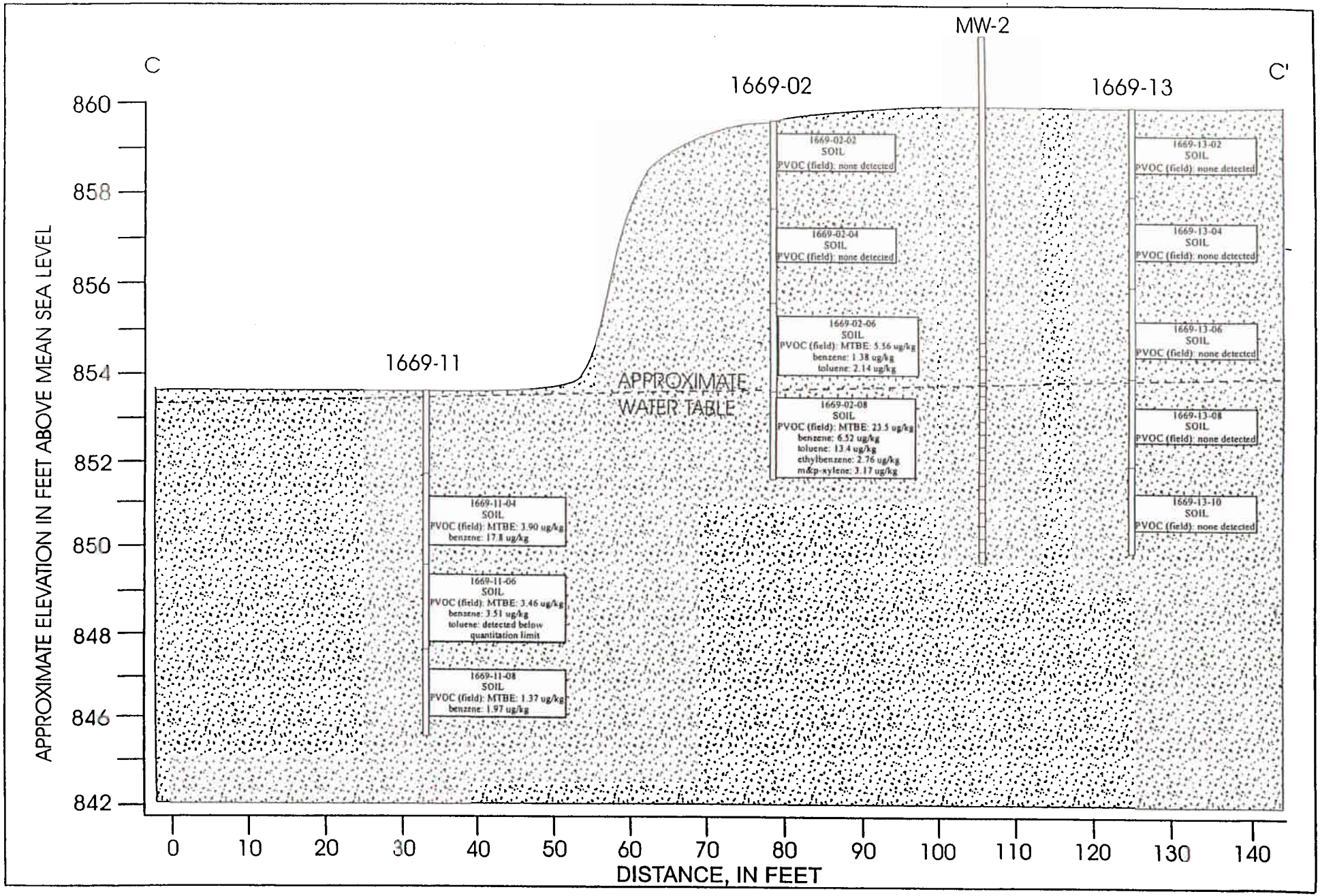


EXPLANATION

1669-24 soil boring
11669-24-04 sample interval

medium grained sand

Figure 20. -- Cross-section B-B' for building 1669, Ft. McCoy, WI.



EXPLANATION

1669-11 soil boring
11669-11-04 sample interval
MW-4 monitor well location

medium grained sand

well screen

DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT MCCOY
2171 SOUTH 8TH AVENUE
FORT MCCOY, WI 54656-5136

April 30, 2007

Environmental Branch

Mr. Ralph N. Smith
Environmental & Regulatory Services
Division - Site Review Section
Bureau of PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044

I, Alan L. Balliett, Chief of the Environmental Branch - Fort McCoy, Wisconsin, certify that to the best of my knowledge the "Opinion of the Attorney General" submitted within this case Summary and Close Out Form for the Fort McCoy Former Building 1669 (BRRTS #03-42-000302) is correct.

Alan L. Balliett
Chief, Environmental Branch
Directorate of Support Services