

GIS REGISTRY INFORMATION

SITE NAME: Fort McCoy Flamm Stor Bldg 1147
BRRTS #: 02-42-198287 **FID # (if appropriate):** 642024900
COMMERCE # (if appropriate): _____
CLOSURE DATE: 02/05/2008
STREET ADDRESS: 1147 South 10th Avenue
CITY: Fort McCoy

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 466387 Y= 393740

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes 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 No

IF YES, STREET ADDRESS 1: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure letter or denial letter issued
- Copy of any maintenance plan referenced in the final closure letter.
- Copy of (soil or land use) deed notice *if any required as a condition of closure*
- Copy of most recent deed, including legal description, for all affected properties
- 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 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.
- 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.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- 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.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour
- Geologic cross-sections, *if required for SI*. (8.5x14" if paper copy)
- RP certified statement that legal descriptions are complete and accurate
- Copies of off-source notification letters (if applicable)
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Scott Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
Telephone 715-839-3700
FAX 715-839-6076
TTY Access via relay - 711

February 5, 2008

Mr. Alan L. Balliett
Environmental Branch Chief
Fort McCoy
2171 South 8th Avenue
Fort McCoy, WI 54656

SUBJECT: Final Case Closure with Land Use Limitations or Conditions
Fort McCoy Flammable Storage Bldg. 1147
1147 South 10th Avenue, Fort McCoy, WI
WDNR BRRTS Activity #: 02-42-198287

Dear Mr. Balliett:

On December 13, 2007, the Department of Natural Resources West Central Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On January 2, 2008, you were notified that the Closure Committee had granted conditional closure to this case.

On January 29, 2008, the Department received correspondence indicating that you have complied with the requirements of closure. Conditions of closure included submittal of revisions to GIS Registry materials.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

GIS Registry

The conditions of case closure set out below in this letter require that your site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed.
- A soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier.

Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the soil cover that currently exists in the location shown on the attached map shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The attached maintenance plan and inspection log are to be kept up-to-date and on-site, and the inspection log need only be submitted to the Department upon request.

Prohibited Activities

The following activities are prohibited on any portion of the property where a soil cover is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

Mr. Alan L. Balliett
Fort McCoy Flamm Stor Bldg 1147
January 5, 2008
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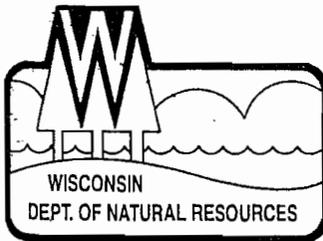
The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Mae Willkom at (715) 839-3748.

Sincerely,

A handwritten signature in black ink that reads "William J. Evans". The signature is written in a cursive style with a large initial "W" and "E".

William J. Evans
West Central Region Remediation & Redevelopment Team Supervisor

cc: Craig Bartholomew, VT Griffin



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
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West Central Region Headquarters
1300 W. Clairemont Avenue
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January 2, 2008

Mr. Alan L. Balliett
Environmental Branch Chief
Fort McCoy
2171 South 8th Avenue
Fort McCoy, WI 54656

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Fort McCoy Flammable Storage Bldg. 1147
1147 South 10th Avenue, Fort McCoy, Wisconsin
WDNR BRRTS Activity # 02-42-198287

Dear Mr. Balliett:

On December 13, 2007, the Department of Natural Resources West Central Region Closure Committee reviewed your request for closure of the case described above. The West Central Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the contamination on the site from the vicinity of a former flammable storage building located on the property appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

SUBMITTAL REVISIONS REQUIRED

- 1) Figure 4 of the closure request is labeled "Analytes Detected in Soil," but depicts groundwater concentrations. Please revise the figure to report soil concentrations, for inclusion in the GIS Registry materials.
- 2) Many of the SSL/RCLs listed in Table 1 are values intended for the protection of human health from direct contact. These standards are only applicable to shallow soils (i.e. 0 to 4 feet). Because all soil samples reported in Table 1 were collected at depth (below 4 feet), direct contact standards do not apply. The concentrations in Table 1 should instead be compared to non-industrial SSL/RCLs for the soil-to-groundwater pathway and the table modified accordingly. The modified Table 1 will be included in the GIS Registry materials.
- 3) The closure request made no mention of data collected under the supervision of Kurt Brownell, former Environmental Protection Specialist for Fort McCoy. According to a July 16, 1998, letter from Mr. Brownell (copy enclosed), initial soil sampling at many of the flammable storage buildings was conducted in July and August of 1995. Initial soil sampling at Bldg. 1147 showed the following exceedances of direct contact standards. The exact sampling depth is

not indicated; however it is inferred from accompanying data and information that sampling was conducted in shallow soils, where the drain pipe exited the east side of the building:

DRO	35,000 mg/kg
Lead	461.1 mg/kg
Benzo(a)pyrene	0.400 mg/kg
Dibenzo(a,h)anthracene	0.210 mg/kg

No shallow soil samples were subsequently collected for laboratory analysis of these parameters during the October, 1995, USGS investigation, nor was a boring advanced on the east side of the building during the recent site investigation conducted by Shipley Environmental Services. The cap maintenance plan submitted with the closure request will therefore be required to ensure protection from direct contact with any residual lead and PAHs in shallow site soils on the east side of the building. Please revise the maintenance plan and associated figures to reference the above parameters and their location. It is not necessary to reference the contamination identified below four feet, because prevention of infiltration through these soils is not the intended purpose of the cap.

When the above conditions have been satisfied, please submit the appropriate documentation and your case will be closed. 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 GIS Registry. To review the site on the GIS Registry, visit our web-based mapping application, RR Sites Map, at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Please be aware that the 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 to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715) 839-3748.

Sincerely,



Mae E. Willkom
Hydrogeologist
Bureau for Remediation & Redevelopment

Enclosure

cc: Craig Bartholomew, VT Griffin

Maintenance Plan
Soil Contamination
Former Building 1147

located at

Fort McCoy, Wisconsin
WDNR BRRTS # 02-42-198287

Prepared for

Department of the Army
U.S. Army Garrison
Fort McCoy, Wisconsin

Prepared by



2171 South 8th Avenue • Fort McCoy, WI 54656 • (608) 388-5935

January 2008

Introduction:

This document is the Maintenance Plan (Plan) for a soil cap for the area where contamination was detected at Former Fort McCoy Building 1147 (BRRTS 02-42-198287), and has been prepared in accordance with the requirements of NR 724.12(2). The residuals were reported in soil sample "Brownell", apparently collected at less than 4 feet below land surface (Table 1). Benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, diesel range organics, and lead were reported at concentrations above the non-industrial generic residual contaminant levels outlined in Soil Cleanup Levels for PAHs Interim Guidance (RR-519-97) and NR 720. The location of the soil cover to be maintained in accordance with this Plan, as well as the location of the detected impacts, is identified on Exhibit A.

Cover Purpose:

The contamination was reported at less than 4 feet below land surface. These parameters tend to adhere to soil particles and do not tend to leach. Therefore, there is minimal risk of groundwater becoming impacted by these residual soil contaminants. The vegetated soil cover will serve as a barrier to minimize the risk of future human exposures to this residual contamination that might otherwise pose a threat to human health. Based on current and future use of this property, the barrier should function as intended unless it is disturbed.

Annual Inspection:

The soil cover and grass vegetation overlying the soil contamination shown on Exhibit A will be inspected once a year, normally in the spring after all snow and ice are gone, for deterioration, gulleying, and other potential problems that may lead to exposure of the contaminated soil. The inspections will be performed to evaluate damage due to settling, exposure to weather, wear from foot traffic or maintenance equipment, and other factors. Any damage to the surface will be documented. A log of the inspections and any repairs will be maintained by Fort McCoy on the form included as Exhibit B, Cap Inspection Log. The log will include recommendations for necessary repair of any areas where damage has occurred that may lead to surface exposure of underlying contaminated soils. Once repairs are completed, they will be documented on the inspection log. A copy of the inspection log will be maintained by Fort McCoy and made available for review of the Wisconsin Department of Natural Resources (WDNR) upon request.

If problems are noted during the annual inspections or at any other time during the year, repairs will be completed as soon as practical. Repairs can include filling, grading, or reseeded/mulching.

In the event that necessary maintenance activities or future site modifications expose the underlying soil, Fort McCoy will inform the contract maintenance workers of the direct contact exposure hazards so that the contractor will be able

to utilize the appropriate personal protection equipment. Fort McCoy will sample any soil that is excavated from the area of known contamination prior to disposal to ascertain if contamination remains. All excavated soil will be treated, stored and disposed of by Fort McCoy in accordance with applicable local, state, and federal regulations.

In the event that future mission requirements necessitate a change in surface features that disturb or modify the configuration of the soil cap, the changes will be engineered and installed to provide equal protection from the direct contact risks. Any changes will be subject to the same maintenance and inspection requirements outlined in this Plan unless indicated otherwise by the WDNR or its successor.

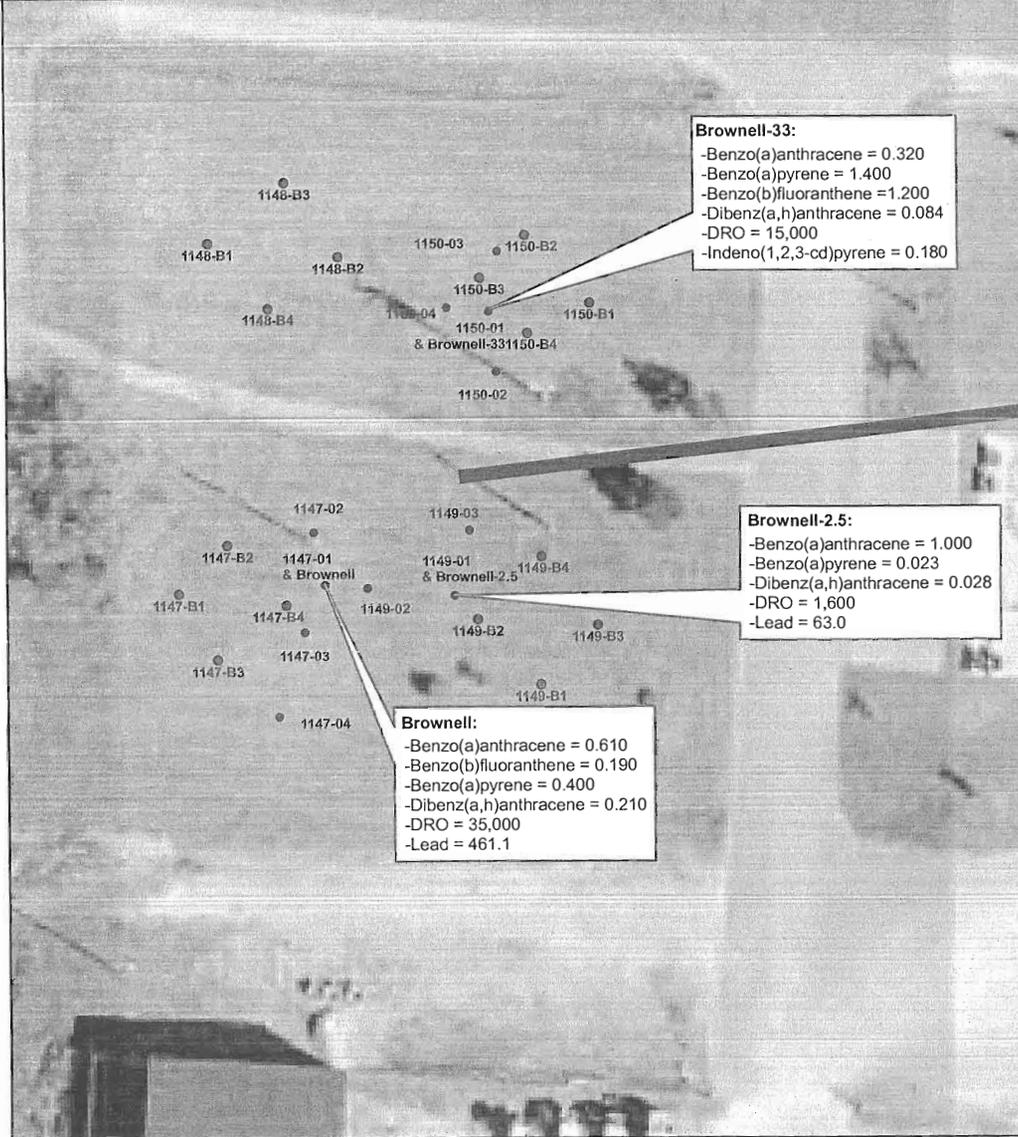
To maintain the integrity of the soil cap, Fort McCoy will maintain a copy of this Plan and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.).

Amendment or Withdrawal of Maintenance Plan:

This Plan can be amended or withdrawn by Fort McCoy and its successors with the written approval of WDNR.

Contact Information:

Site Owner and Operator:	U.S. Army, Fort McCoy Mr. Alan L. Balliett Chief, Environmental Division Directorate of Public Works 2171 South 8 th Avenue Fort McCoy, Wisconsin 54656 (608) 388-4776
Environmental Contactor:	Mr. Craig O. Bartholomew VT Griffin 2171 South 8 th Avenue Fort McCoy, Wisconsin 54656 (608) 388-8453
WDNR:	Ms. Mae Willkom Wisconsin Dept. of Natural Resources 1300 W Clairemont Avenue Eau Claire WI 54702 (715) 839-3748



Brownell-33:
-Benzo(a)anthracene = 0.320
-Benzo(a)pyrene = 1.400
-Benzo(b)fluoranthene = 1.200
-Dibenz(a,h)anthracene = 0.084
-DRO = 15,000
-Indeno(1,2,3-cd)pyrene = 0.180

Brownell-2.5:
-Benzo(a)anthracene = 1.000
-Benzo(a)pyrene = 0.023
-Dibenz(a,h)anthracene = 0.028
-DRO = 1,600
-Lead = 63.0

Brownell:
-Benzo(a)anthracene = 0.610
-Benzo(b)fluoranthene = 0.190
-Benzo(a)pyrene = 0.400
-Dibenz(a,h)anthracene = 0.210
-DRO = 35,000
-Lead = 461.1

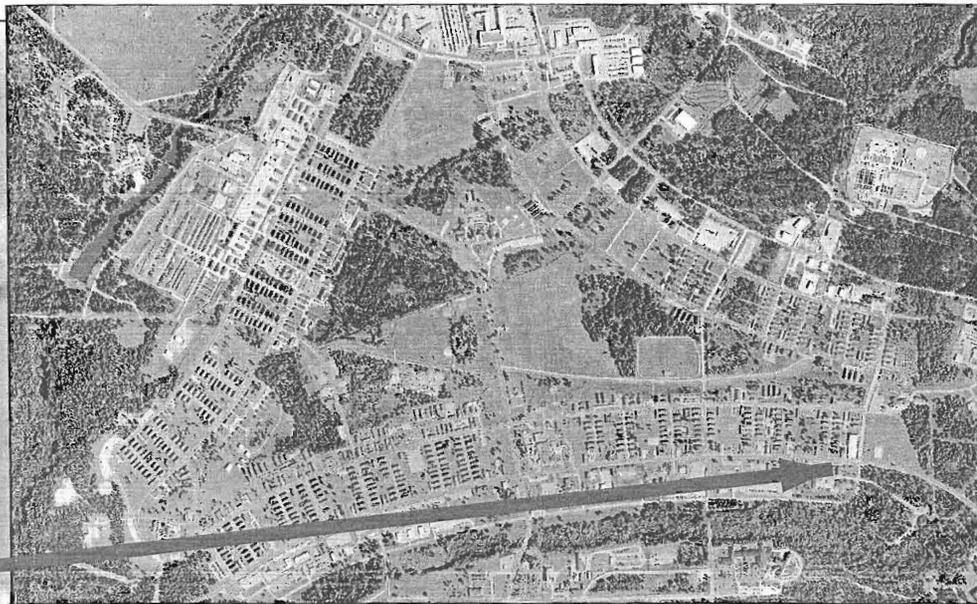
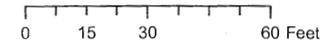


EXHIBIT A LOCATION OF SOIL CAP FOR RESIDUALS AT FORMER FORT MCCOY BUILDING 1147 BRRTS NO. 02-42-198287

- BORING FROM 1996 USGS INVESTIGATION
- BORING FROM 2006 INVESTIGATION

NOTE:
1) CONCENTRATIONS ARE ALL IN MG/KG.

Prepared By:
Craig O. Bartholomew
January 2008



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 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

THE STATE OF MICHIGAN, COUNTY OF WASHTENAW, ss. I, JAMES H. HARRIS, Clerk of the Court of the County of Washtenaw, do hereby certify that the foregoing is a true and correct copy of the original of the same as the same appears in the records of the Court of the County of Washtenaw.

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 (SW $\frac{1}{4}$) of the Northeast Quarter (NE $\frac{1}{4}$) 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 (NE $\frac{1}{4}$) of the Southeast Quarter (SE $\frac{1}{4}$) 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 (SW $\frac{1}{4}$) of the Northeast Quarter (NE $\frac{1}{4}$) 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 (SE $\frac{1}{4}$) of the Northeast Quarter (NE $\frac{1}{4}$) 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 ($NE\frac{1}{4}$) of the Southeast Quarter ($SE\frac{1}{4}$) 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 ($SW\frac{1}{4}$) of the Northwest Quarter ($NW\frac{1}{4}$), 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 ($NW\frac{1}{4}$) 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 ($NE\frac{1}{4}$) 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 ($NW\frac{1}{4}$) 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 (SW $\frac{1}{4}$) 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 (NE $\frac{1}{4}$) 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

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 Thirty-two Degrees, Forty-five Minutes East (S 32°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

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 ($SW\frac{1}{4}$) of the Northwest Quarter ($NW\frac{1}{4}$) 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 S. McManey
Attorney General of the United States

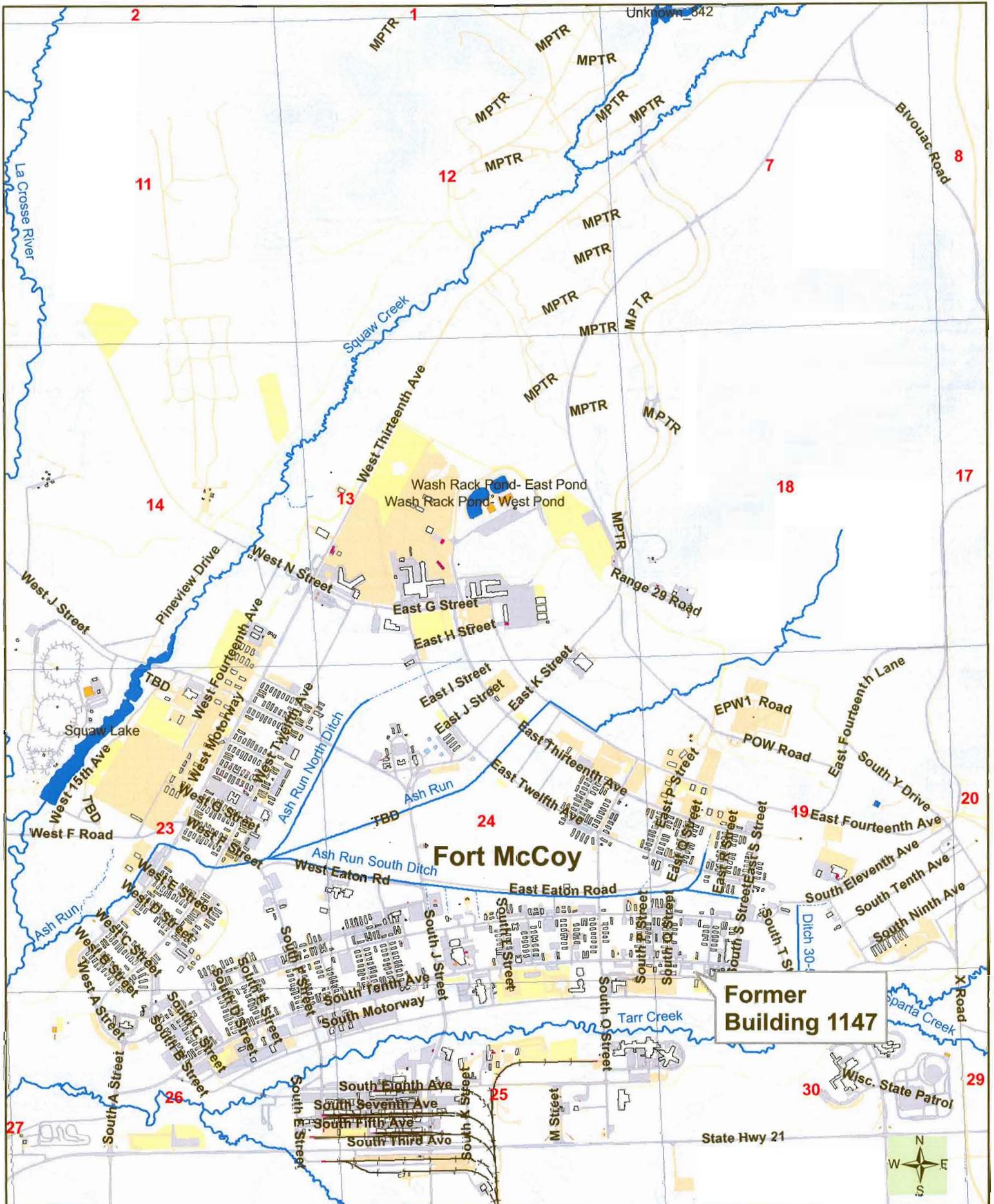
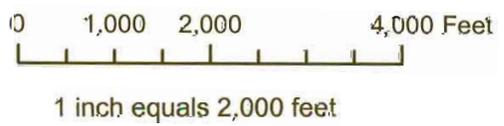


Figure 1
Site Location Map
Former Building 1147
Fort McCoy, WI

Created By: Jason Schuster
 June 18, 2006
 Modified By: COB 9/07



**TABLE 1
FORMER BUILDING 1147
SUMMARY OF DETECTED PARAMETERS IN SOIL--INVESTIGATION RESULTS
(mg/kg)**

PARAMETER	SAMPLING POINTS											SSL/RCL ² (non-industrial) mg/kg	Protection of Groundwater mg/kg
	Brownell ^a	1147-01-10 ¹	1147-01-12 ¹	1147-03-10 ¹	1147-03-12 ¹	1147-03-14 ¹	1149-02-10	B-1	B-2	B3	B-4		
Date	7/17/1995	7/24/1996	7/24/1996	10/9/1996	10/9/1996	10/9/1996	7/24/1996	10/17/2006	10/17/2006	10/18/2006	10/18/2006		
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	5,400 ³	1600 ³
Benzene	<0.082	0.140 ⁴	**	<0.001*	0.427 [*]	<0.001*D	0.150 ⁵	<0.019	<0.019	<0.019	<0.019	0.64 ³	0.0055 ⁷
Benzo(a)anthracene	0.610	0.016	NA	NA	NA	NA	<0.00016	NA	NA	NA	NA	0.088 ⁶	17 ⁶
Benzo(b)fluoranthene	0.190	0.084	NA	NA	NA	NA	<0.00030	NA	NA	NA	NA	0.088 ⁶	360 ⁶
Benzo(k)fluoranthene	<0.160	0.018	NA	NA	NA	NA	<0.00017	NA	NA	NA	NA	0.88 ⁶	870 ⁶
Benzo(g,h,i)perylene	<0.110	0.170	NA	NA	NA	NA	<0.00026	NA	NA	NA	NA	1.8 ⁶	6,800 ⁶
Benzo(a)pyrene	0.400	0.120	NA	NA	NA	NA	<0.00012	NA	NA	NA	NA	0.0088 ⁶	48 ⁶
Cadmium	1.41	NA	NA	NA	NA	NA	NA	<0.31	<0.30	<0.28	<0.25	8 ⁷	8.0 ³
Chloromethane	<0.140	NA	NA	NA	NA	NA	NA	<0.014	<0.014	[0.016]	<0.014	47 ³	0.02 ^c
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	[1.9]	14 ⁷	38 ³
Dibenz(a,h)anthracene	0.210	0.029	NA	NA	NA	NA	<0.00032	NA	NA	NA	NA	0.0088 ⁶	38 ⁶
Diesel Range Organics	35,000	4,200	NA	NA	NA	NA	<10	<1.3	[2.5]	<1.3	<1.3	100 ⁷	100 ⁷
Ethylbenzene	0.120	<0.046	**	0.00124*	0.327*	0.00201*	<0.025	<0.022	<0.022	<0.022	<0.022	400 ³	2,900 ⁷
Fluoranthene	<0.170	0.025	NA	NA	NA	NA	<0.00036	NA	NA	NA	NA	600 ⁶	500 ⁶
Gasoline Range Organics	NA	460	NA	NA	NA	NA	<2.3	<1.0	[1.6]	<1.0	<1.0	100 ⁷	100 ⁷
Indeno(1,2,3-cd)pyrene	<0.180	0.170	NA	NA	NA	NA	<0.00040	NA	NA	NA	NA	0.088 ⁶	680 ⁶
Lead	461.1	NA	NA	NA	NA	NA	NA	<5.7	<5.7	<5.1	<1.3	50 ⁷	NS
Methylene Chloride	<0.190	NA	NA	NA	NA	NA	NA	[0.029]	[0.023]	0.059	0.059	9.1 ³	0.02 ³
1-Methylnaphthalene	0.400	<0.081	NA	NA	NA	NA	<0.0086	NA	NA	NA	NA	1,100 ⁶	23 ⁶
MTBE	<0.110	<0.058 ⁸	**	<0.001*	2.060*	<0.001*	<0.025	<0.021	<0.021	<0.021	<0.021	32 ³	NS
n-Butylbenzene	1.200	NA	NA	NA	NA	NA	NA	<0.011	<0.011	<0.011	<0.011	240 ³	NS
Naphthalene	0.990 ^b	<0.039 ^d	NA	NA	NA	NA	<0.0041 ^d	<0.015	<0.015	<0.015	<0.015	20 ⁶	0.4 ⁶
n-Propylbenzene	0.280	NA	NA	NA	NA	NA	NA	<0.024	<0.024	<0.024	<0.024	240 ³	NS
sec-Butylbenzene	<0.340	NA	NA	NA	NA	NA	NA	<0.025	<0.025	<0.025	<0.025	220 ³	NS
Toluene	0.120	0.330 ⁸	**	<0.001*	0.355*	<0.001*D	0.036 ⁵	<0.020	<0.020	<0.020	<0.020	520 ³	1,500 ⁷
Phenanthrene	1.600	<0.0029	NA	NA	NA	NA	<0.00031	NA	NA	NA	NA	18 ⁶	1.8 ⁶
Pyrene	0.760	0.140	NA	NA	NA	NA	<0.00029	NA	NA	NA	NA	500 ⁶	8,700 ⁶
1,2,4-Trimethylbenzene	0.640	7.100	**	<0.001*	0.632*	<0.001*	<0.025	<0.023	<0.023	<0.023	<0.023	52 ³	NS
1,3,5-Trimethylbenzene	0.510	3.700	**	0.0191*	0.463*	<0.001*	<0.025	<0.021	<0.021	<0.021	<0.021	21 ³	NS
m&p-Xylene	<0.120	2.000	**	0.00107*	0.391*	0.00214*	<0.025	<0.046	<0.046	<0.046	<0.046	270 ³	210 ³
o-Xylene	<0.160	3.400	**	0.00185*	0.838*	<0.001*	<0.025	<0.018	<0.018	<0.018	<0.018	270 ³	210 ³

^aSample collected under the direction of Kurt Brownell, apparently from near the outfall of the sump drain likely from a depth of less than 4 feet below land surface.

^bSW846, 8021 analysis.

^cPAL-Based RCL Calculated based upon WDNR guidance: "Determining Residual Contaminant Levels Using the EPA Soil Screening Level Web Site."

^dSW846, 8310 analysis.

¹ Unidentified compounds detected within quantitation window.

² SSL=Soil Screening Level; RCL=Residual Contaminant Level

³ EPA Region 9 Preliminary Remediation Goals (PRGs). For Protection of Groundwater, DAF = 20.

⁴ Field concentration = 0.0268 mg/kg

⁵ Similar concentration found in the associated trip blank.

⁶ Soil Cleanup Levels for PAHs Interim Guidance, Wisconsin Department of Natural Resources, Publication RR-519-97, April 1997

⁷ NR 720

⁸ Field concentration = 0.0142 mg/kg

⁹ Field concentration = 0.0745 mg/kg

NS = No Standard

NA = Not Analyzed

[] Reported between the LOD and the LOQ

1147-01-10: This soil sample was collected from former Building 1147, at the first boring location (01), and was collected from 8-10 feet below grade.

* Field Analysis

** Field Analysis concentration above detector range

D = Field value detected less than quantitation limit

ITALIC Exceeds Groundwater Protection Level. Applied only to samples collected below the direct contact zone, i.e. at depths greater than 4 feet below land surface.

BOLD/ITALIC Exceeds Non-industrial direct contact level. Applied only to samples collected from landsurface to 4 feet below landsurface.



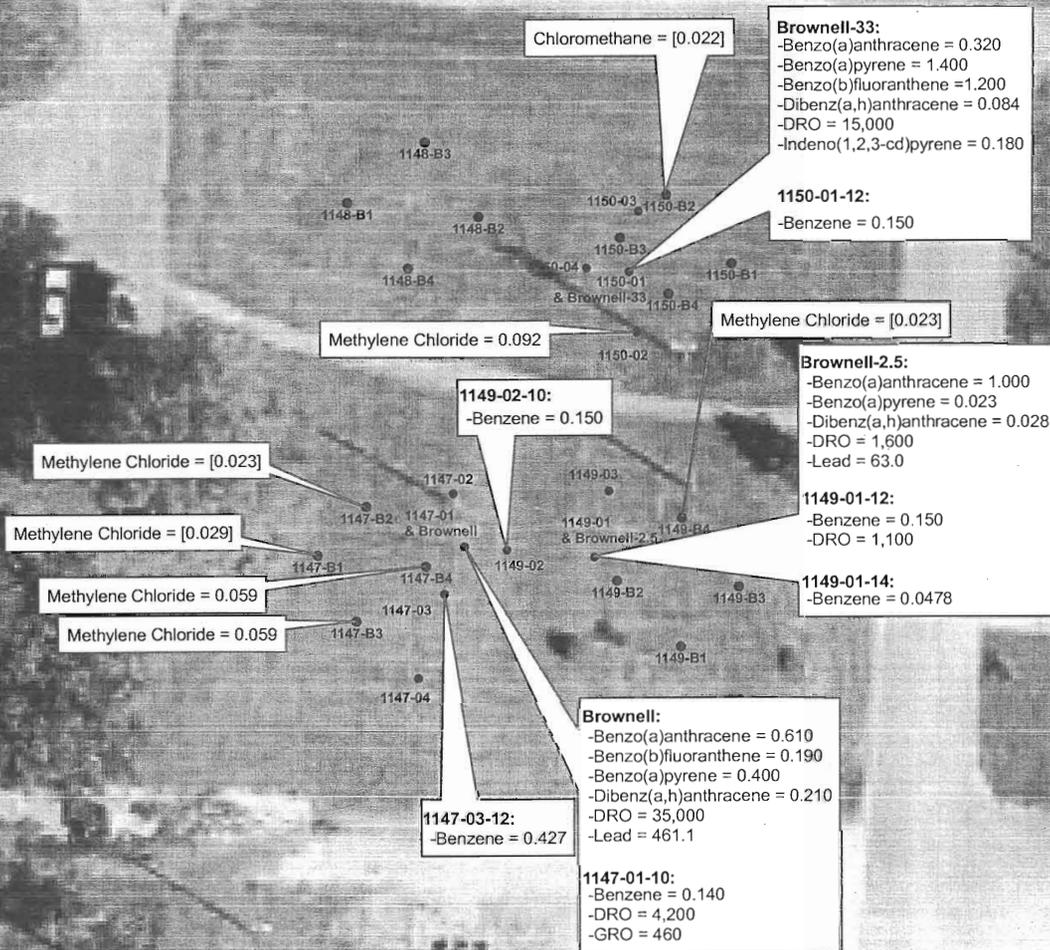
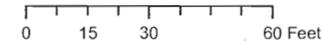
FIGURE 4 ANALYTES DETECTED IN SOIL EXCEEDING DIRECT CONTACT OR GROUNDWATER PROTECTION CONCENTRATIONS--FORMER FORT MCCOY BUILDING 1147 BRRTS NO. 02-42-198287

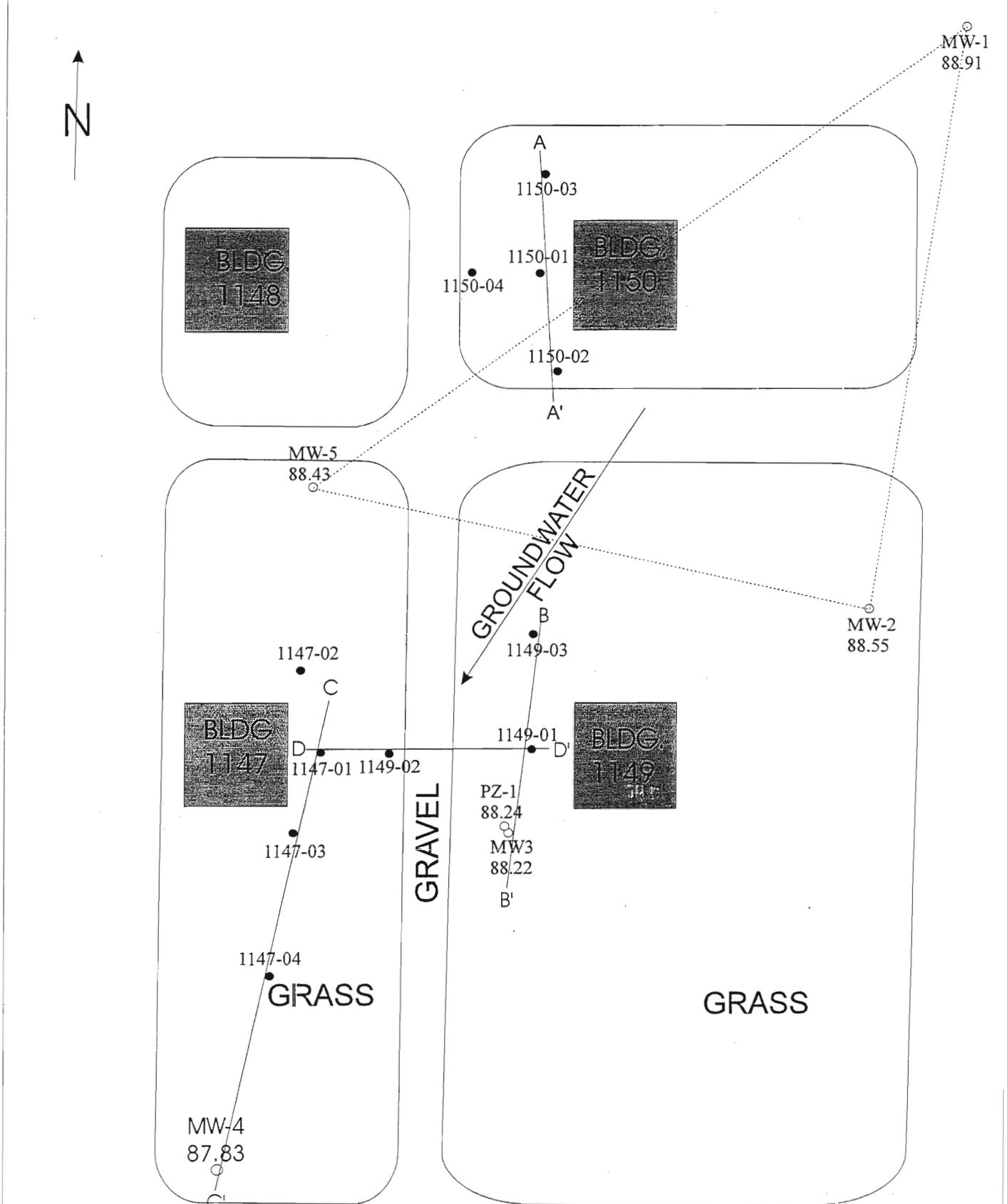
- BORING FROM 1996 USGS INVESTIGATION
- BORING FROM 2006 INVESTIGATION

NOTES:

- 1) ALL CONCENTRATIONS IN MG/KG
- 2) [0.023] = Concentration between the LOD and the LOQ
- 3) The Brownell samples were collected from direct contact zone. All other samples are from greater than 4 feet deep and were compared to the groundwater protection level.

Prepared By:
Craig O. Bartholomew





Base from Braun Intertec, 1994

EXPLANATION

- MW-1 88.91 monitor well location, identification number and water table elevation
- 1150-01 geoprobe soil or water sample location and identification number
- A — A' diagrammatical cross-section

SCALE IN FEET

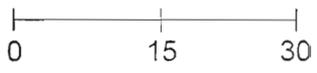
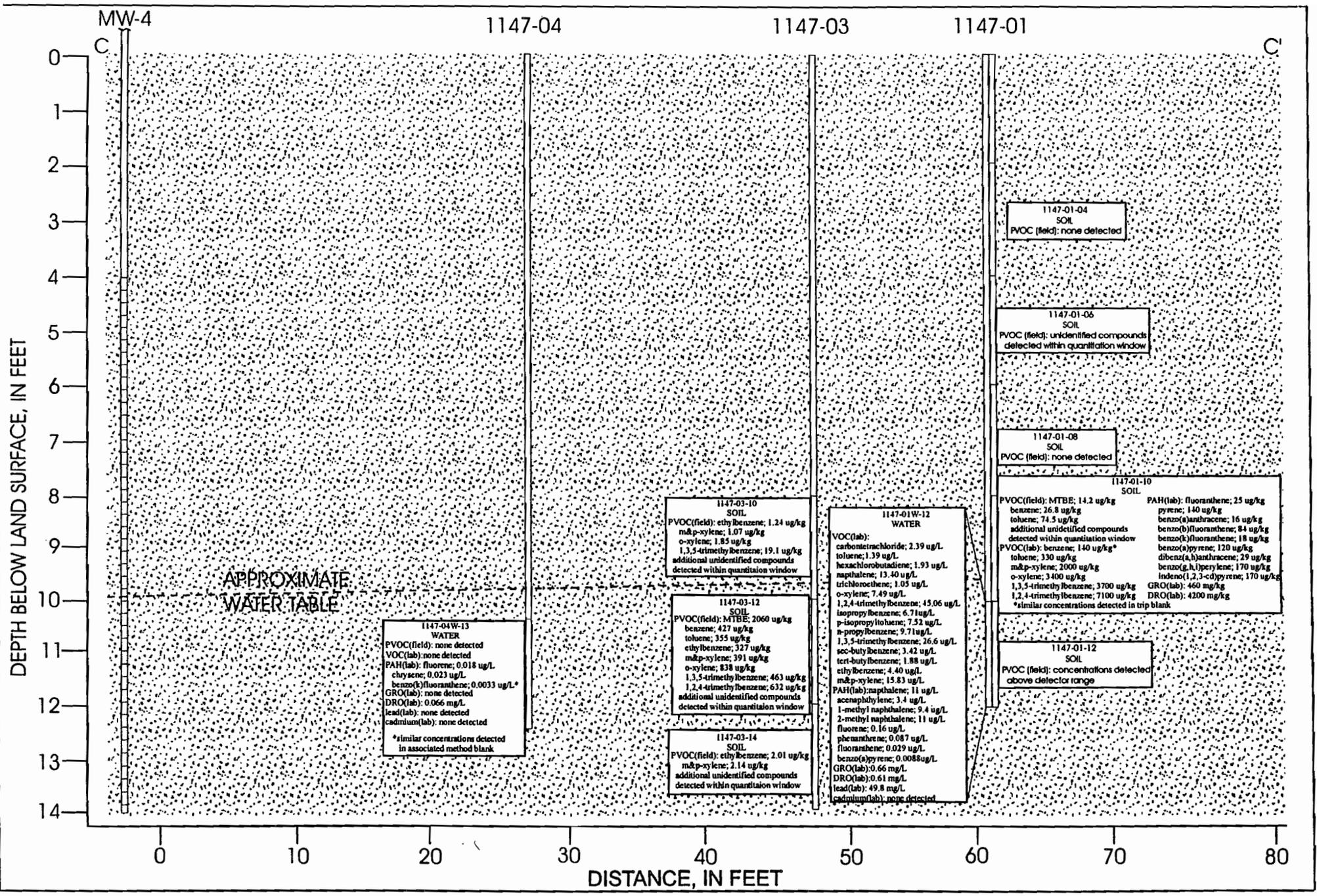


Figure 8. Monitor well and geoprobe soil and water sampling locations in the vicinity of buildings 1147, 1149, and 1150 at Fort McCoy, Wisconsin.



APPROXIMATE
WATER TABLE

1147-04W-13
WATER
PVOC(field): none detected
VOC(lab): none detected
PAH(lab): fluorene; 0.018 ug/L
chrysene; 0.033 ug/L
benzo(b)fluoranthene; 0.0033 ug/L*
GRO(lab): none detected
DRO(lab): 0.066 mg/L
lead(lab): none detected
cadmium(lab): none detected
*similar concentrations detected
in associated method blank

1147-03-10
SOIL
PVOC(field): ethylbenzene; 1.24 ug/kg
m&p-xylene; 1.07 ug/kg
o-xylene; 1.83 ug/kg
1,3,5-trimethylbenzene; 19.1 ug/kg
additional unidentified compounds
detected within quantitation window

1147-03-12
SOIL
PVOC(field): MTBE; 2060 ug/kg
benzene; 427 ug/kg
toluene; 355 ug/kg
ethylbenzene; 327 ug/kg
m&p-xylene; 391 ug/kg
o-xylene; 838 ug/kg
1,3,5-trimethylbenzene; 463 ug/kg
1,2,4-trimethylbenzene; 632 ug/kg
additional unidentified compounds
detected within quantitation window

1147-03-14
SOIL
PVOC(field): ethylbenzene; 2.01 ug/kg
m&p-xylene; 2.14 ug/kg
additional unidentified compounds
detected within quantitation window

1147-01W-12
WATER
VOC(lab):
carbon tetrachloride; 2.39 ug/L
toluene; 1.39 ug/L
hexachlorobutadiene; 1.93 ug/L
naphthalene; 13.40 ug/L
trichloroethene; 1.03 ug/L
o-xylene; 7.49 ug/L
1,2,4-trimethylbenzene; 45.06 ug/L
isopropylbenzene; 6.71 ug/L
p-isopropyltoluene; 7.52 ug/L
p-propylbenzene; 9.71 ug/L
1,3,5-trimethylbenzene; 16.6 ug/L
sec-butylbenzene; 3.42 ug/L
tert-butylbenzene; 1.88 ug/L
ethylbenzene; 4.40 ug/L
m&p-xylene; 15.83 ug/L
PAH(lab): naphthalene; 11 ug/L
acenaphthylene; 3.4 ug/L
1-methyl naphthalene; 9.4 ug/L
2-methyl naphthalene; 11 ug/L
fluorene; 0.16 ug/L
phenanthrene; 0.087 ug/L
fluoranthene; 0.029 ug/L
benzo(a)pyrene; 0.0088 ug/L
GRO(lab): 0.66 mg/L
DRO(lab): 0.61 mg/L
lead(lab): 49.8 mg/L
cadmium(lab): none detected

1147-01-04
SOIL
PVOC (field): none detected

1147-01-06
SOIL
PVOC (field): unidentified compounds
detected within quantitation window

1147-01-08
SOIL
PVOC (field): none detected

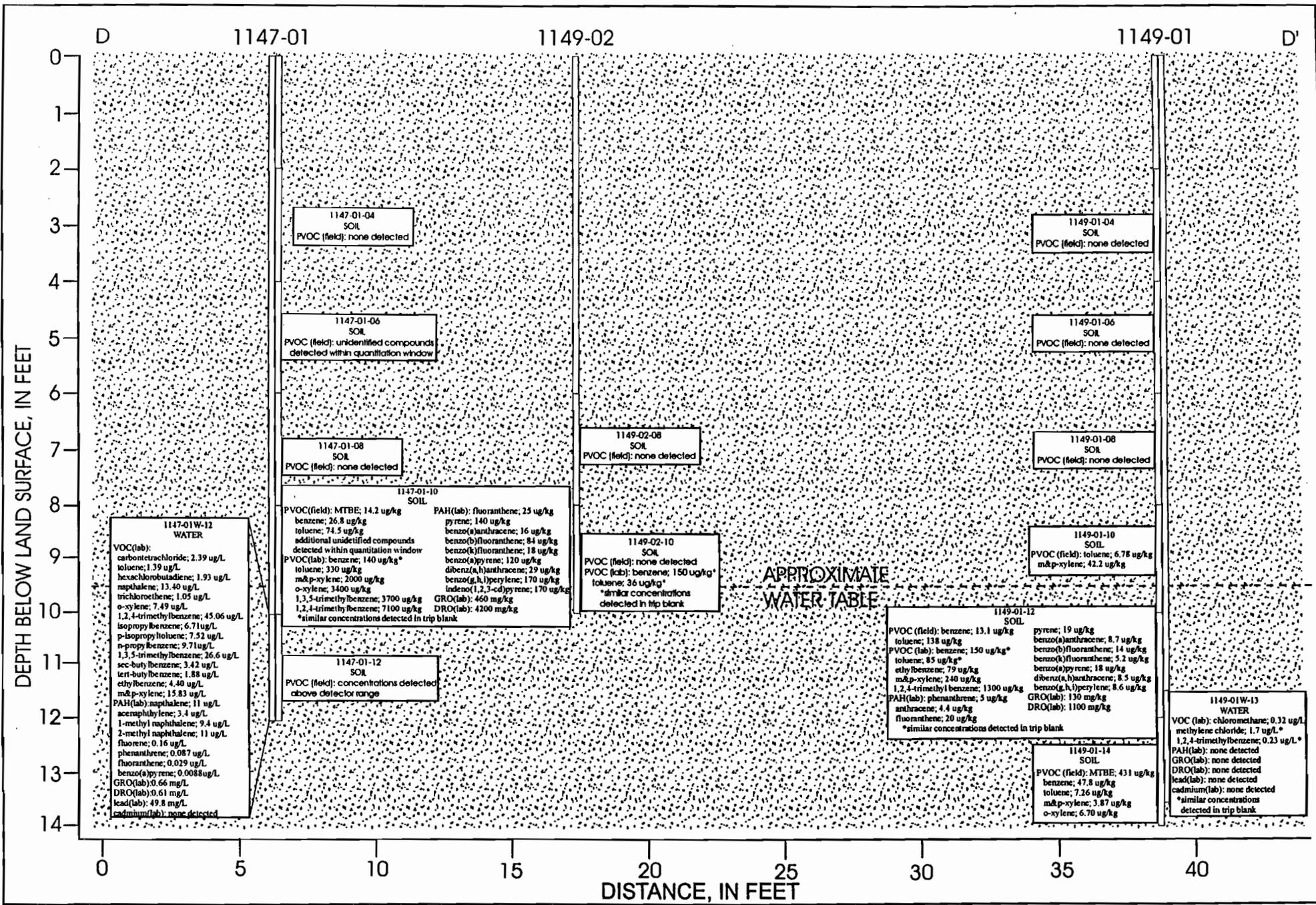
1147-01-10
SOIL
PVOC(field): MTBE; 14.2 ug/kg
benzene; 26.8 ug/kg
toluene; 74.5 ug/kg
additional unidentified compounds
detected within quantitation window
PVOC(lab): benzene; 140 ug/kg*
toluene; 330 ug/kg
m&p-xylene; 2000 ug/kg
o-xylene; 3400 ug/kg
1,3,5-trimethylbenzene; 3700 ug/kg
1,2,4-trimethylbenzene; 7100 ug/kg
*similar concentrations detected in trip blank
PAH(lab): fluoranthene; 25 ug/kg
pyrene; 140 ug/kg
benzo(a)anthracene; 16 ug/kg
benzo(b)fluoranthene; 84 ug/kg
benzo(a)pyrene; 120 ug/kg
dibenz(a,h)anthracene; 29 ug/kg
benzo(g,h,i)perylene; 170 ug/kg
indeno(1,2,3-cd)pyrene; 170 ug/kg
GRO(lab): 460 mg/kg
DRO(lab): 4200 mg/kg

1147-01-12
SOIL
PVOC (field): concentrations detected
above detector range

EXPLANATION

- 1147-01 soil boring
- 1147-01-04 sample interval
- medium grained sand
- well screen

Figure 11-1 - Cross-section C-C of boring MW-4 at 1147, 1147-03 and 1147-01. From Co. 111.



1147-01 soil boring
 1147-01-04 sample interval medium grained sand



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

October 12, 2007

Environmental Branch

Ms. Mae Willkom
Wisconsin Dept. of Natural Resources
1300 W Clairemont Avenue
Eau Claire WI 54702

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 Former Fort McCoy Building 1147 (BRRTS #02-42-198287) is correct.

A handwritten signature in cursive script that reads "Alan L. Balliett".

Alan L. Balliett
Chief, Environmental Branch
DOL/DPW