

GIS REGISTRY INFORMATION

SITE NAME: Fort McCoy Coal Storage Yard

BRRTS #: 02-42-512327 **FID # (if appropriate):** 642024900

COMMERCE # (if appropriate): _____

CLOSURE DATE: 01/03/2008

STREET ADDRESS: Hwy.21, Fort McCoy

CITY: Sparta

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 465081 Y= 392836

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

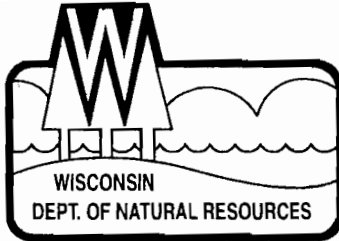
IF YES, STREET ADDRESS 1: _____

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

January 3, 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 Coal Storage Yard, Hwy. 21, Fort McCoy, WI
WDNR BRRTS Activity #: 02-42-512327

Dear Mr. Balliett:

On October 17, 2007, the Department of Natural Resources West Central Regional 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 October 18, 2007, you were notified that the Closure Committee had granted conditional closure to this case.

On November 15, 2007, the Department received correspondence indicating that you have complied with the requirements of closure. Conditional closure requirements included monitoring well abandonment and purge water, waste, and soil pile removal.

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 gravel 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 our web-based mapping application, RR Sites Map, 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://www.dnr.state.wi.us/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 gravel 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.

Prohibited Activities

The following activities are prohibited on any portion of the property where gravel 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.

Chapter NR 140, Wis. Adm. Code Exemptions

Recent groundwater monitoring data at this site indicates exceedances of the NR 140 preventive action limit (PAL) for cadmium and lead at monitoring well MCCY-103, but compliance with the NR 140 enforcement standard. The Department may grant an exemption to a PAL for a substance of **public health** concern, other than nitrate, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application.
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that the above criteria have been or will be met because of the actions that have occurred at this site. Therefore, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, an exemption to the PAL is granted for cadmium and lead at monitoring well MCCY-103. This letter serves as your exemption.

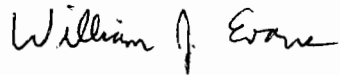
Recent groundwater monitoring data at this site indicates exceedances of the ch. NR 140, Wis. Adm. Code, preventive action limit for nitrate at monitoring well MCCOY-103 and for nitrate and iron at monitoring well MCCY-104, together with exceedances of the ch. NR 140, Wis. Adm. Code, enforcement standard for iron at monitoring wells MCCY-102 and MCCOY-103 and for manganese and sulfate at monitoring well MCCY-103. The Department may grant an exemption for a substance of **public welfare** concern, or nitrate, pursuant to s. NR 140.28(2)(a), Wis. Adm. Code, if actions have been taken to achieve the lowest possible concentration for that substance which is technically and economically feasible and the existing or anticipated increase in the concentration of that substance does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that the above criteria have been or will be met because of the actions that have occurred at this site. Therefore, pursuant to s. NR 140.28(2)(a), Wis. Adm. Code, an exemption to the preventive action limit is granted for nitrate at monitoring well MCCY-103 and for nitrate and iron at monitoring well MCCY-104, and an exemption to the enforcement standard is granted for iron at monitoring wells MCCY-102 and MCCY-103 and for manganese and sulfate at monitoring well MCCY-103. This letter serves as your exemption.

Mr. Alan L. Balliett
Environmental Branch Chief
Ft. McCoy
January 3, 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".

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

cc: Craig Bartholomew, VT Griffin
Bill Phelps, DG/2



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
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Scott Humrickhouse, Regional Director

West Central Region Headquarters
1300 W. Clairemont Avenue
PO Box 4001
Eau Claire, Wisconsin 54702-4001
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October 26, 2007

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 Coal Storage Yard, Hwy. 21, Fort McCoy, Sparta, Wisconsin
WDNR BRRTS Activity # 02-42-512327

Dear Mr. Balliett:

On October 17, 2007, the Department of Natural Resources West Central Regional Closure Committee reviewed your request for closure of the case described above. The West Central Regional 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 metals contamination on the site from the vicinity of a coal storage area that was 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:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me, Mae Willkom, on Form 3300-5B found at www.dnr.wi.gov/org/water/dwg/gw/ or provided by the Department of Natural Resources.

PURGE WATER, WASTE, AND SOIL PILE REMOVAL

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, 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

Mr. Alan L. Balliett
Environmental Branch Chief
Ft. McCoy
October 26, 2007
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Registry. To review the site on the GIS Registry web page, visit the following web site:
<http://www.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, 2171 South 8th Avenue, Fort McCoy, WI 54656

Maintenance Plan
Gravel Cap
Former Coal Yard

located at

Fort McCoy, Wisconsin
WDNR BRRTS # 02-42-12327

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

September 2007

Introduction:

This document is the Maintenance Plan (Plan) for a gravel cap for the areas where arsenic residual were present at ground surface following removal activities at the Former Coal Yard at Fort McCoy (BRRTS 02-42-512327), and has been prepared in accordance with the requirements of NR. 724.12(2). The arsenic residuals ranged in concentration from 2.9 to 23 mg/kg (Exhibit A), and the NR 720 Industrial Residual Contaminant Level is 1.6 mg/kg. The location of the gravel cap to be maintained in accordance with this Plan, as well as the location of the detected impacts, as identified on Exhibit B.

Cover Purpose:

The arsenic contamination was present at ground surface. Arsenic has not been detected in groundwater beneath the site since 2002. Therefore, the risk of arsenic residuals leaching to groundwater does not appear to be significant. The gravel cap will serve as a barrier to minimize the risk of future human exposures to this residual contamination through direct contact, or inhalation of wind blown dust, 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 gravel cap areas shown on Exhibit B 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 heavy 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 C, Gravel 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 by 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, compacting, grading, or other maintenance. In the event that necessary maintenance activities expose the underlying soil, Fort McCoy will inform the contract maintenance workers of the direct contact exposure hazard 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 areas 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 gravel 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 gravel 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 Branch
Directorate of Support Services
2171 South 8th Avenue
Fort McCoy, Wisconsin 54656
(608) 388-4776

Environmental Contactor:

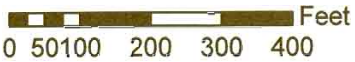
Mr. Craig O. Bartholomew
VT Griffin
2171 South 8th Avenue
Fort McCoy, Wisconsin 54656
(608) 388-8453

WDNR:

Ms. Mae Willkom
Wisconsin Dept. of Natural Resources
1300 W Clairemont Avenue
Eau Claire WI 54702
(715) 839-3748



EXHIBIT A ARSENIC RESIDUALS REMAINING FOLLOWING EXCAVATION FORMER COAL YARD FORT McCOY

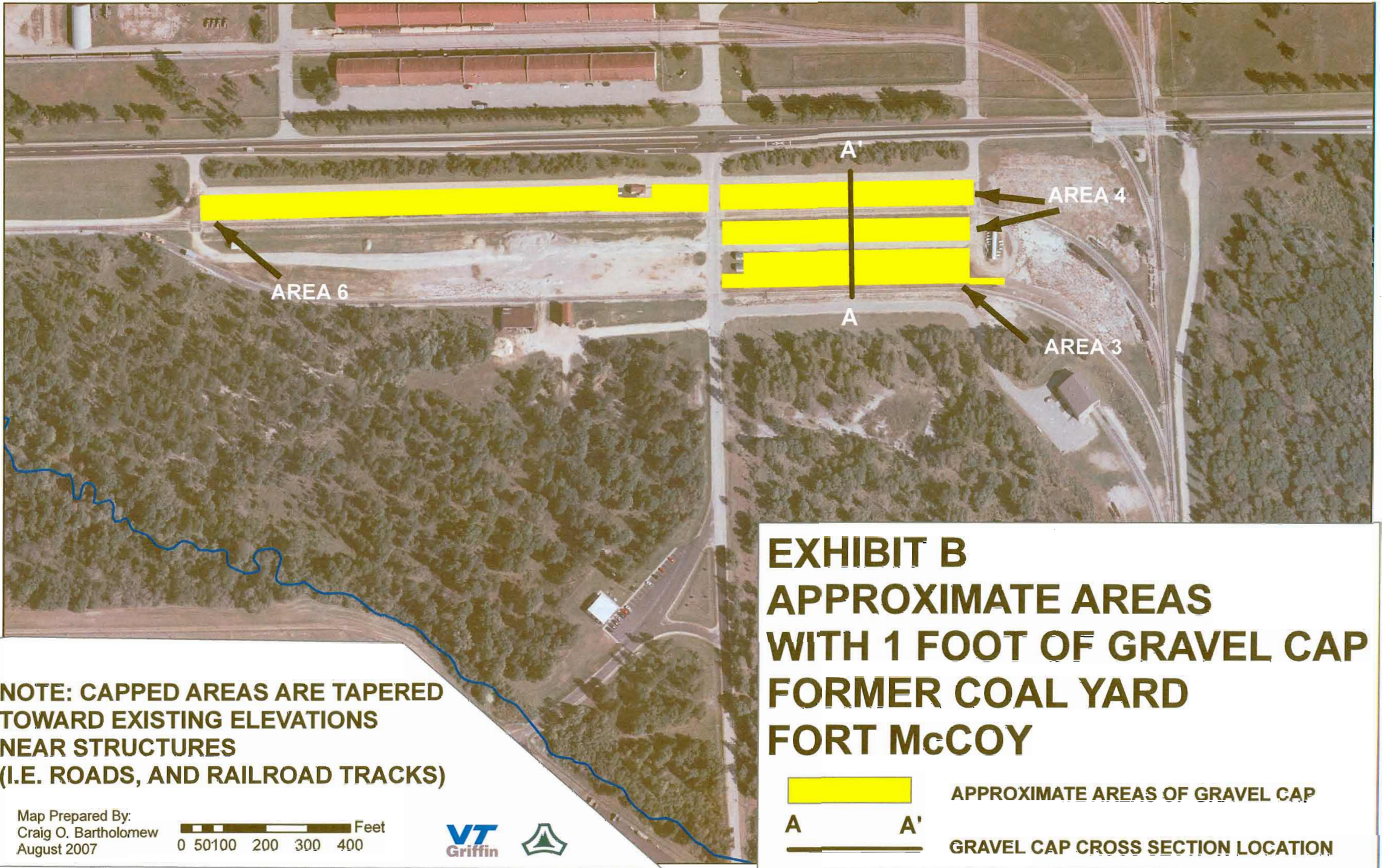


Prepared By:
Craig O. Bartholomew
August 2007

★ CONFIRMATION SAMPLING LOCATIONS

● MCCY 101 MONITORING WELL LOCATIONS





NOTE: CAPPED AREAS ARE TAPERED TOWARD EXISTING ELEVATIONS NEAR STRUCTURES (I.E. ROADS, AND RAILROAD TRACKS)

EXHIBIT B APPROXIMATE AREAS WITH 1 FOOT OF GRAVEL CAP FORMER COAL YARD FORT McCOY

Map Prepared By:
Craig O. Bartholomew
August 2007



APPROXIMATE AREAS OF GRAVEL CAP
GRAVEL CAP CROSS SECTION LOCATION

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 County, do hereby certify that the foregoing is a true and correct copy of the original as the same appears in the records of the County of Washtenaw, Michigan.

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

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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 (SH) of the Northwest Quarter (NW $\frac{1}{4}$) of the Southwest Quarter (SW $\frac{1}{4}$); 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 925-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 (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

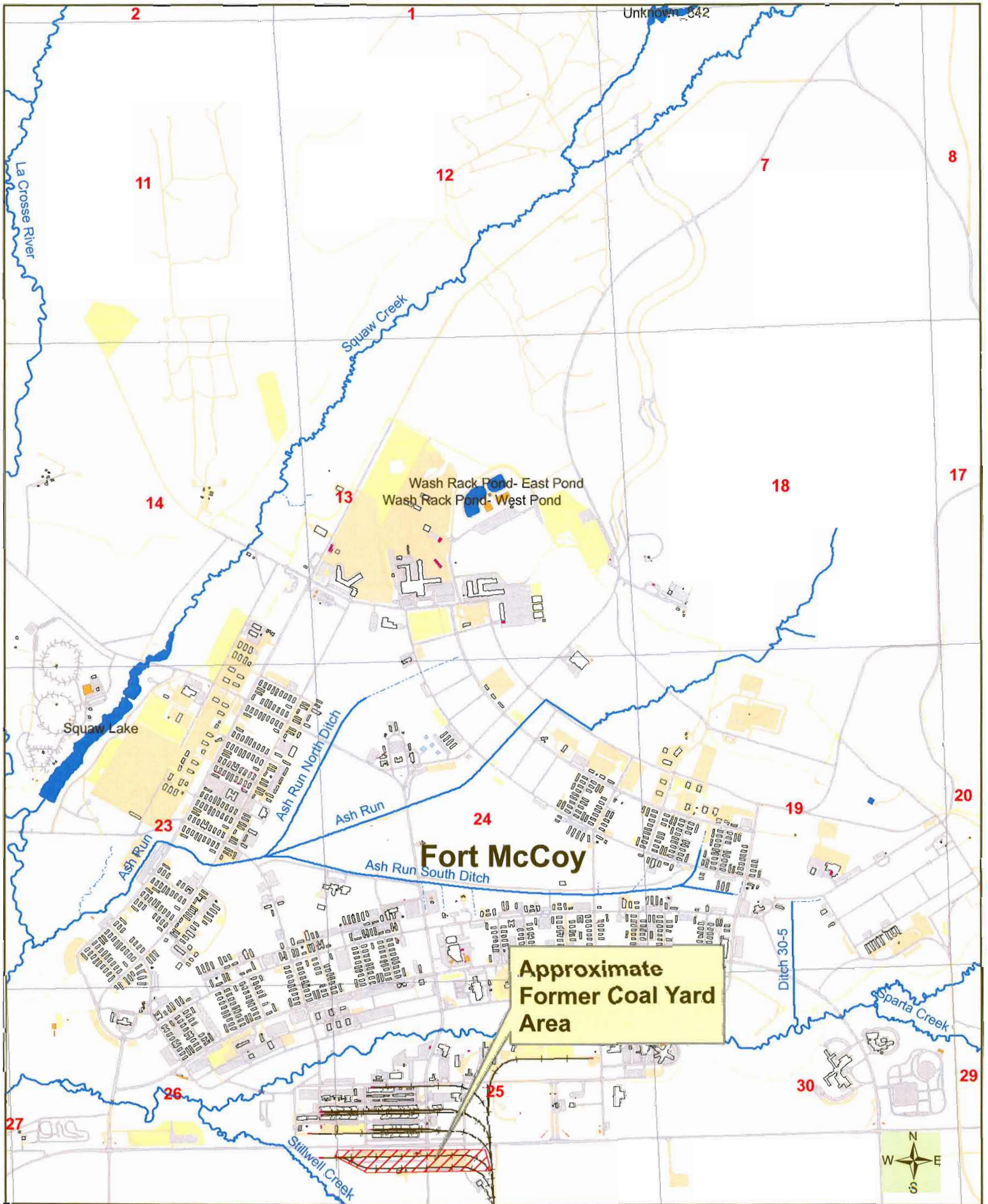


Figure 1
Site Location Map
Former Coal Yard
Fort McCoy, WI

Created By: Jason Schuster
 June 16, 2006
 Modified By: COB 9/07



TABLE 3
GROUNDWATER MONITORING
DETECTED PARAMETERS
FORMER COAL YARD
FORT MCCOY

PARAMETERS	NR 140 ES ¹	NR 140 PAL ²	WELL ID																											
			MCCY-101							MCCY-102					MCCY-103					MCCY-104										
			6/28/95	11/4/02	3/1/06	4/25/06	7/24/06	10/24/06	5/14/07	6/28/95	11/4/02	3/1/06	4/25/06	7/24/06	10/24/06	5/14/07	6/28/95	11/4/02	3/1/06	4/25/06	7/24/06	10/24/06	5/14/07	6/28/95	11/4/02	3/1/06	4/25/06	7/24/06	10/24/06	5/14/07
Indicator Parameters																														
Alkalinity, Total (mg/L)	NS	NS	NA	NA	7.2	<7.0	7.9	<7.0	NA	NA	NA	37	31	32	25	NA	NA	NA	25	10	<7.0	14	NA	NA	NA	37	63	51	68	NA
Iron, Total (mg/L)	0.3	0.15	NA	NA	0.348	0.0495	0.427	<0.039	NA	NA	NA	2.01	1.09	0.345	1.00	NA	NA	NA	0.660	0.308	0.503	0.467	NA	NA	NA	<i>0.189</i>	0.0477	0.0599	<i>0.285</i>	NA
Manganese, Total (µg/L)	50	25	NA	NA	17.5	17.2	25.2	19.6	NA	NA	NA	<i>27.0</i>	13.9	4.4	10.9	NA	NA	NA	144	66.2	66.8	68.4	NA	NA	NA	1.3	0.60	1.5	4.7	NA
Methane (µg/L)	NS	NS	NA	NA	7.1	1.7	5.3	3.0	NA	NA	NA	<0.50	<0.25	<0.25	0.26	NA	NA	NA	<0.50	0.26	<0.25	<0.25	NA	NA	NA	<0.50	<0.25	<0.25	<0.25	NA
Nitrate, Nitrogen, Total (mg/L)	10	2	NA	NA	<0.040	0.17	<0.060	0.080	NA	NA	NA	0.196	0.37	0.43	0.37	NA	NA	NA	5.31	2.9	5.8	4.4	NA	NA	NA	<i>6.58</i>	<i>6.8</i>	<i>5.8</i>	<i>3.6</i>	NA
Sulfate, Total (mg/L)	250	125	NA	NA	8.44	8.6	7.8	8.9	NA	NA	NA	8.91	64	24	8.2	NA	NA	NA	317	270	240	280	NA	NA	NA	29.8	25	32	17	NA
Field Parameters																														
Temperature (°C)	NS	NS	16.3	NA	5.5	7.9	16	12.9	NA	16.0	NA	6.0	8.2	17.0	12.8	NA	13.7	NA	7.5	9.4	16	14.1	NA	14.4	NA	7.1	8.9	16	13	NA
Dissolved Oxygen, (mg/L)	NS	NS	1.98	NA	1.97	1.93	1.45	1.41	NA	6.48	NA	3.14	5.32	3.16	2.27	NA	1.70	NA	2.01	2.11	2.41	1.32	NA	7.35	NA	5.25	5.61	4	3.67	NA
Specific Conductance (µmhos/cm)	NS	NS	37	NA	38.1	50.4	49	40.5	NA	215	NA	76.0	219.6	152.0	127.1	NA	760	NA	985	875	1565	1007	NA	408	NA	183.7	272.0	288	227.1	NA
pH	NS	NS	5.5	NA	5.90	6.06	6.20	5.67	NA	6.1	NA	6.29	6.69	6.56	6.2	NA	4.5	NA	3.95	4.87	5.17	3.43	NA	5.9	NA	6.45	6.63	6.55	6.55	NA
Redox Potential (Eh, millivolts)	NS	NS	NA	NA	149.2	118.2	-46.5	113.5	NA	NA	NA	170.0	157.7	111.2	141.8	NA	NA	NA	423.0	244.0	241.3	348.0	NA	NA	NA	309.3	193.7	170.3	227.4	NA
Metals																														
Arsenic, Total Recoverable (µg/L)	10	1	<4.7	2.6	<0.80	<0.80	<0.80	<0.80	NA	<4.7	0.5J	<0.80	<0.80	<0.80	<0.80	NA	<4.4	<0.4	<0.80	<0.80	<0.80	<0.80	NA	<4.7	1.4	<0.80	<0.80	<0.80	<0.80	NA
Barium, Total (µg/L)	2,000	400	3.5J	<7.2	4.3B	3.0	9.2	5.6B	NA	32	<7.2	6.8	3.2	4.8	8.2B	NA	18	30.3	63.8	18.4	50.5	32.6	NA	100	<7.2	6.0	5.9	7.6	8.2B	NA
Cadmium, Total (µg/L)	5	0.5	0.3J	<0.20	<0.40	<0.40	<0.40	<0.40	NA	0.3J	<0.20	<0.40	<0.40	0.43	<0.40	NA	11	4.45	1.4	0.50	0.81	1.30	NA	<i>0.7J</i>	<0.20	<0.40	<0.40	<0.40	<0.40	NA
Chromium, Total (µg/L)	100	10	<3.8	<i>13.0J</i>	<0.70	<0.70	<0.70	1.2	NA	<3.8	<i>20.0</i>	<0.70	<0.70	1.50	2.00	NA	<3.8	26.7	5.3	2.4	3.0	3.9	NA	<3.8	<i>18.8J</i>	<0.70	<0.70	<0.70	2.1	NA
Copper (µg/L)	1,300	130	6.1	NA	NA	NA	NA	NA	NA	2.6J	NA	NA	NA	NA	NA	NA	56	NA	NA	NA	NA	NA	NA	7.2	NA	NA	NA	NA	NA	NA
Lead, Total (µg/L)	15	1.5	2.9	1.4J	<1.3	<1.3	<1.3	<1.3	NA	1.0	1.0J	5.6	1.7	<1.3	<1.3	NA	5.3	16.4	15.9	4.6	14.6	8.6	NA	3.1	0.7J	1.7	<1.3	<1.3	<1.3	NA
Nickel, Total (µg/L)	100	20	<2.9	NA	NA	NA	NA	<5	NA	<2.9	NA	NA	NA	NA	<5	NA	170	NA	NA	NA	NA	18.5	NA	<2.9	NA	NA	NA	NA	<5	NA
Selenium, Total Recoverable (µg/L)	50	10	<2.0	2.3J	<4.0	<4.0	<4.0	<4.0	NA	<2.0	1.9J	<4.0	<4.0	<4.0	<4.0	NA	<2.0	3.4J	<4.0	<4.0	<4.0	4.5	NA	<2.0	2.0J	<4.0	<4.0	<4.0	<4.0	NA
Thallium (µg/L)	2	0.4	<4.4	NA	NA	NA	NA	NA	<0.3	5.5	NA	NA	NA	NA	NA	<0.3	6.2	NA	NA	NA	NA	NA	<0.3	6.9	NA	NA	NA	NA	NA	<0.3

¹ NR 140 ES = NR 140 ENFORCEMENT STANDARD
² NR 140 PAL = NR 140 PREVENTIVE ACTION LIMIT
 NA = NOT ANALYZED
 NS = NO STANDARD
Italic = PAL Exceedence
Bold/Italic = ES Exceedence
 J = Estimated Value
 B = Analyte detected in associated Method Blank

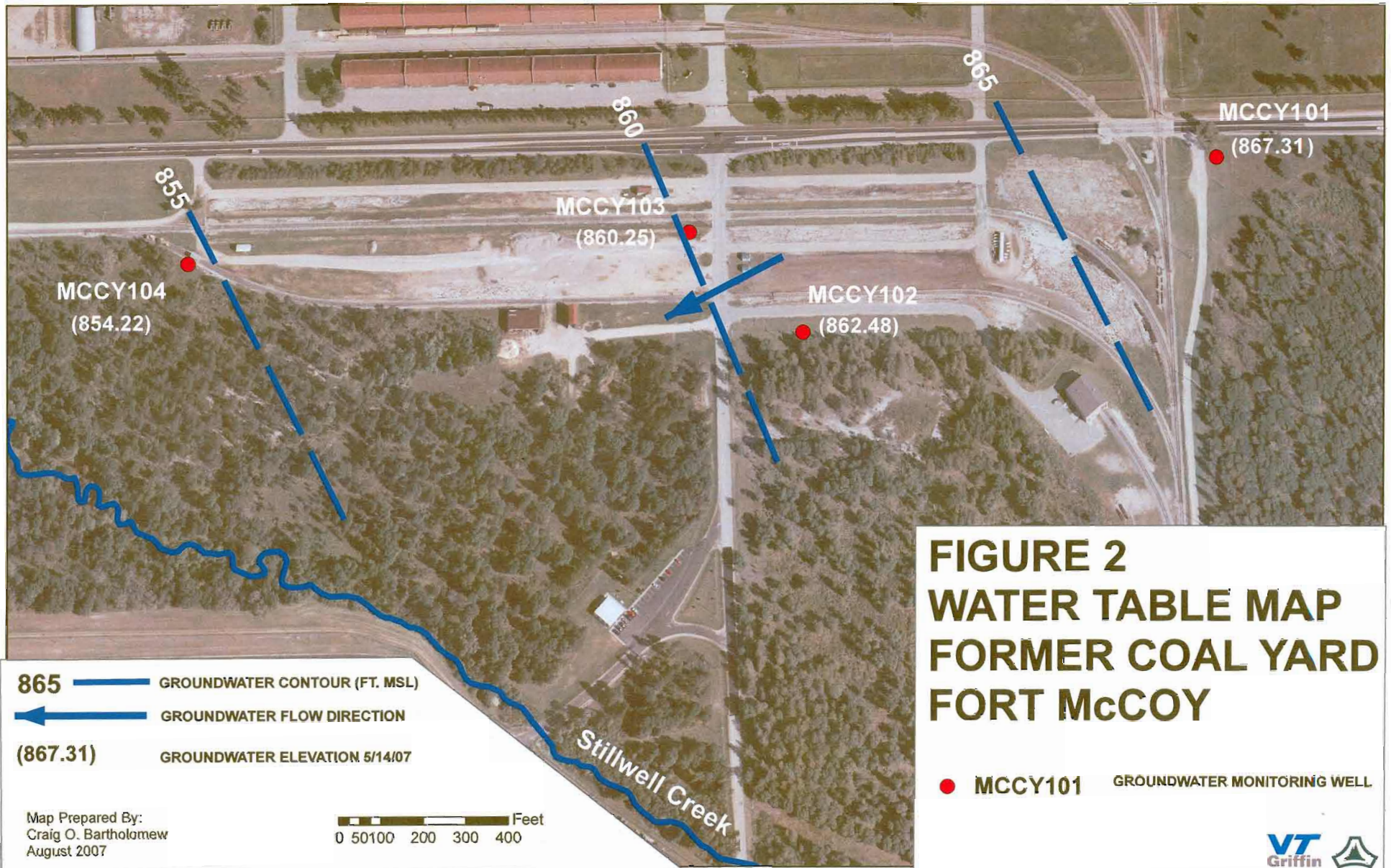
**TABLE 5
COAL RESIDUALS REMAINING
FOLLOWING 2005 AND 2006 EXCAVATIONS
FORMER COAL YARD
FORT MCCOY**

COAL YARD AREA	SAMPLE		ARSENIC CONCENTRATION (MG/KG)	DEPTH OF SOIL EXCAVATED AT EACH SAMPLING LOCATION (INCHES)
	FOLLOWING 2005 EXCAVATION (12/05)	FOLLOWING 2006 EXCAVATION (8/06)		
1	CS-01		<2.5	15
	CS-02		<2.4	14
	CS-03		<2.5	9
2	CS-04		<2.4	9
	CS-05		<2.4	6
3	CS-06		3.5	24
	CS-07		75	6
	CS-08		2.8	7
	CS-09		82	6
		CS-17	<2.2	30
		CS-18	<2.3	6
		CS-19	4.9	3
		CS-20	23	2
		CS-21	<2.3	4
		CS-22	10	2
		CS-23	<2.3	4
		CS-24	21	2
		CS-25	<2.2	24
		CS-26	10	2
4	CS-10		53	1
	CS-11		3.3	1
	CS-12		7.7	3
		CS-27	18	3
		CS-28	8.4	20
5	CS-13		<2.4	22
	CS-14		<2.4	24
6	CS-15		8.5	2
7	CS-16		2.9	6

BOLD ITALIC = CONCENTRATIONS REMAINING FOLLOWING BOTH EXCAVATIONS

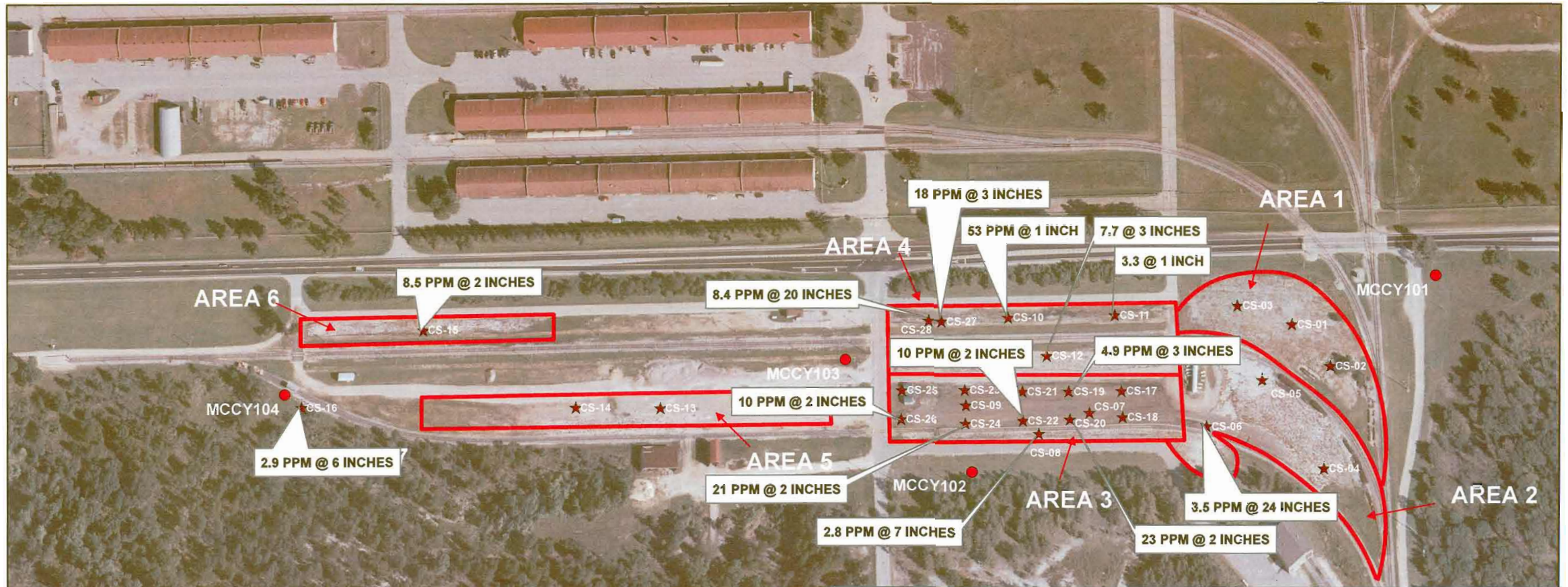
**TABLE 1
GROUNDWATER ELEVATIONS
FORMER COAL YARD
FORT MCCOY**

WELL	MP ELEVATION	DATE	DEPTH TO WATER	GROUNDWATER ELEVATION
MCCY-101	873.26	3/1/06	7.90	865.36
		4/25/06	5.82	867.44
		7/24/06	6.65	866.61
		10/24/06	7.94	865.32
		5/14/07	5.95	867.31
MCCY-102	871.11	3/1/06	10.07	861.04
		4/25/06	8.34	862.77
		7/24/06	9.15	861.96
		10/24/06	10.05	861.06
		5/14/07	8.63	862.48
MCCY-103	870.54	3/1/06	11.65	858.89
		4/25/06	10.13	860.41
		7/24/06	10.66	859.88
		10/24/06	11.56	858.98
		5/14/07	10.29	860.25
MCCY-104	863.92	3/1/06	10.54	853.38
		4/25/06	9.53	854.39
		7/24/06	9.97	853.95
		10/24/06	10.5	853.42
		5/14/07	9.70	854.22



**FIGURE 2
WATER TABLE MAP
FORMER COAL YARD
FORT MCCOY**





**FIGURE 9
ARSENIC RESIDUALS REMAINING
FOLLOWING EXCAVATION
FORMER COAL YARD
FORT McCOY**

0 50 100 200 300 400 Feet

Prepared By:
Craig O. Bartholomew
August 2007

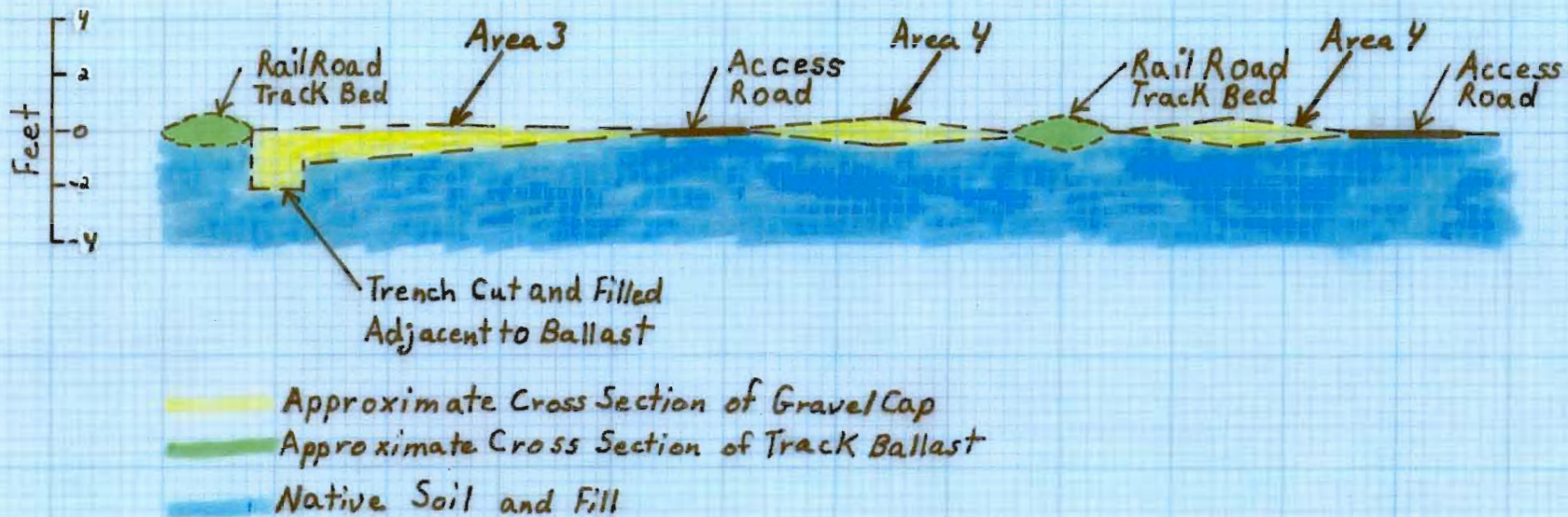
★ CONFIRMATION SAMPLING LOCATIONS

● MCCY 101 MONITORING WELL LOCATIONS



Figure 13

Schematic Cross Section of Gravel Cap
Former Coal Yard
Fort McCoy



Notes:

- 1) See Figure 12 for Cross Section Locator.
- 2) Grade Stakes were Utilized to Ensure that One Foot of Gravel Was Placed On the Site.
- 3) Topographic Surveys of the Excavated Surface and Final Grade Were Not Conducted.

Scale:

Horizontal: 1" = 25'

Vertical: 1" = 4'



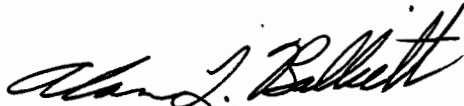
DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT MCCOY
2171 SOUTH 8TH AVENUE
FORT MCCOY, WI 54656-5136

September 14, 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 the Fort McCoy Former Coal Yard (BRRTS #02-42-512327) is correct.


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