



# Public Notice

**U S Army Corps  
of Engineers**  
Huntington District

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In reply refer to Public Notice No. **200501439** Issuance Date: **August 14, 2006**

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Stream: **Mud Run, Little Clear Creek, Meadow River, Whitestick Creek** Closing Date: **September 13, 2006**

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Please address all comments and inquiries to:  
U.S. Army Corps of Engineers, Huntington District  
ATTN: CELRH-OR-F Public Notice No. (*reference above*)  
502 Eighth Street  
Huntington, West Virginia 25701-2070 Phone: (304) 399-5710

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**PUBLIC NOTICE:** The purpose of this public notice is to inform you of a proposal for work in which you might be interested. It is also to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest. We hope you will participate in this process.

**REGULATORY PROGRAM:** Since its early history, the U.S. Army Corps of Engineers (Corps) has played an important role in the development of the nation's water resources. Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the Corps Regulatory Program.

**SECTION 10:** The Corps is directed by Congress under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) to regulate all work or structures in or affecting the course, condition or capacity of navigable waters of the United States (U.S.). The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

**SECTION 404:** The Corps is directed by Congress under Section 404 of the Clean Water Act (33 USC 1344) to regulate the discharge of dredged and fill material into all waters of the United States, including wetlands. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

**TO WHOM IT MAY CONCERN:** The following application has been submitted for a Department of the Army Permit under the provisions of Section 404 of the Clean Water Act (CWA). This notice also serves as the Corps of Engineers' request to the West Virginia Department of Environmental Protection to act on Section 401 Water Quality Certification for the following application.

**APPLICANT:** EarthMark WV Mitigation, LLC  
9301 Aviation Boulevard, Suite CE-1  
Concord, North Carolina 28027

**LOCATION:** The proposal involves the establishment of a mitigation bank proposed to ultimately operate throughout the State of West Virginia. The initial Mitigation Bank Prospectus details the proposed construction of four mitigation sites, identified as Mud Run, Little Clear Creek, Meadow River, and Whitestick Creek.

**DESCRIPTION OF THE PROPOSED MITIGATION BANK:** The Bank Sponsor proposes to establish a mitigation bank available for use by the individuals, corporations, or agencies requiring compensatory mitigation to offset impacts associated with adverse impacts to waters of the United States (U.S.). Under Sections 404 and 401 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899, permit applicants are typically required to provide aquatic resource mitigation. Depending on the specific circumstances associated with a given project, compensatory mitigation could be required in the form of specific mitigation projects constructed by the permit applicant, use of a mitigation bank, use of an In Lieu Fee Program, or a combination thereof. The proposed mitigation bank would provide permit applicants a potential mechanism to satisfy all or a portion of the stream and wetland mitigation requirements.

The goal of the proposed bank is to provide compensatory mitigation activities that would improve water quality, enhance habitat, and benefit overall ecological integrity. The proposed bank would consist of individual aquatic resource mitigation projects, located throughout West Virginia. The Bank Sponsor proposes to provide compensation for aquatic resource losses in a manner that would contribute to the long-term ecological functioning of each targeted watershed.

The Bank Sponsor has submitted a Mitigation Bank Prospectus which would provide the framework for the creation of an “umbrella” mitigation bank. This Bank would be established, used, operated and maintained based on a formal Mitigation Banking Instrument (MBI) agreement made between EarthMark, the United States Army Corps of Engineers (USACE) and other appropriate Federal and State regulatory agencies that make up the Mitigation Bank Review Team (MBRT). The Bank would be established using the concept of an umbrella MBI which would allow for the addition of mitigation Bank Sites, as deemed appropriate. Each Bank Site would be reviewed and approved individually.

## **MUD RUN SITE**

**DESCRIPTION OF THE PROPOSED PROJECT:** The Mud Run watershed is approximately 2,200 acres of forest and pasture land located in Jackson County, West Virginia near the town of Evans (Figure 1 of 16). Mud Run is a tributary to Mill Creek in the Ohio River drainage basin. The Proposed Mud Run Site would involve the restoration of an approximately 7,866-linear foot perennial reach of stream in this watershed (Figures 1-4 of 16). This third order stream has been adversely impacted as a result of farming and pasture activities. The stream is unstable both laterally and vertically. The results of channel incision have caused the stream to become disconnected from the original floodplain. Relative to the Rosgen Classification, the stream is currently a C-type stream moving towards an F-type stream. As part of this project, the Bank Sponsor proposes to perform a Priority 2 restoration, in which the channel is repaired, appropriate stream channel geometry, is established, and a new floodplain is constructed at the existing (lower) elevation. Channel restoration would include the restoration of the appropriate dimension, pattern and profile of a slightly entrenched C4 or E4 type stream (where appropriate).

The proposed service area for the Mud Run restoration site is the Lower Middle Ohio River Valley, Lower Kanawha River, Elk River, and Little Kanawha River watershed combined. The Mud Run Site was evaluated using the United States Environmental Protection Agency's (EPA) Rapid Bioassessment Protocol (RBP) High Gradient Stream Visual-Based Habitat Assessment (USEPA, 1999a) at 1,000 foot intervals. The RBP Scores for Mud Run ranged from 72 to 100 out of a possible score of 200. The site does not have an abundance of epifaunal substrate, velocity and depth regimes are limited, and there are few riffles in the stream channel. Additionally, there is poor bank stability, little vegetative protection and a narrow riparian vegetative zone width in most of the 7,866 linear foot stream reach. The Bank Sponsor proposes to generate credits for this site using the methods outlined in Section 4.4. Using this methodology, which utilizes the RBP scores, a stream type multiplier, and the total number of linear feet to be restored, the Mud Run Stream Mitigation Bank Site will have approximately 1,095,044 Stream Mitigation Units. Table A provides information on how these credits were generated. Table A also includes information on the baseline condition as well as the proposed condition of the Bank Site which provides the ecological lift that will result from the proposed mitigation activities.

**TABLE A**  
*Proposed Stream Mitigation Units for Mud Run Stream Mitigation Bank Site*

<b>Baseline Condition</b>							
<b>Location</b>	<b>Stream Designation</b>	<b>RBP Score</b>	<b>Ecological Unit</b>	<b>Area Unit</b>	<b>Stream Rating</b>	<b>Baseline Units</b>	
00+00-10+00	MR-1	95	95	1000	2	190,000	
10+00-20+00	MR-2	100	100	1000	2	200,000	
20+00-30+00	MR-3	85	85	1000	2	170,000	
30+00-40+00	MR-4	86	86	1000	2	172,000	
40+00-50+00	MR-5	81	81	1000	2	162,000	
50+00-60+00	MR-6	72	72	1000	2	144,000	
60+00-70+00	MR-7	72	72	1000	2	144,000	
70+00-78+66	MR-8	78	78	866	2	135,096	
<b>Total Baseline Units</b>						1,317,096	
<b>Proposed Condition</b>							
<b>Location</b>	<b>Stream Designation</b>	<b>RBP Score</b>	<b>Ecological Unit</b>	<b>Area Unit</b>	<b>Stream Rating</b>	<b>Predicted Units</b>	<b>Stream Mitigation Units</b>
00+00-10+00	MR-1	158	158	1000	2	316,000	126,000
10+00-20+00	MR-2	156	156	1000	2	312,000	112,000
20+00-30+00	MR-3	154	154	1000	2	308,000	138,000
30+00-40+00	MR-4	154	154	1000	2	308,000	136,000
40+00-50+00	MR-5	155	155	1000	2	310,000	148,000
50+00-60+00	MR-6	147	147	1000	2	294,000	150,000
60+00-70+00	MR-7	150	150	1000	2	300,000	156,000
70+00-78+66	MR-8	153	153	866	2	264,996	129,900
<b>Total Proposed Units</b>						2,412,140	---
<b>Total Mud Run Stream Mitigation Units</b>							<b>1,095,044</b>

## LITTLE CLEAR CREEK SITE

**DESCRIPTION OF THE PROPOSED PROJECT:** The Little Clear Creek Site is an approximately 22-acre site located near the town of Crawley in Greenbrier County, West Virginia. Little Clear Creek, a perennial tributary of the Upper Meadow River, bounds a portion of this site (Figures 5-8 of 16). Although this site is smaller in size than those typically utilized for mitigation banks, it is situated adjacent to the existing Meadow River Wildlife Management Area. This wildlife management area has been preserved in perpetuity and is owned and managed by the West Virginia Division of Natural Resources and the Division of Highways. Therefore, restoration, enhancement, and preservation of the Little Clear Creek Site would help to minimize the effects of additional fragmentation within this watershed. The site consists of a combination of herbaceous wetlands and wetlands converted to uplands as a result of historic farming practices.

The Bank Sponsor has performed a wetland delineation of the site and a conceptual restoration/enhancement plan. The proposed service area for the Little Clear Creek Wetland Bank Site is the Huntington District of the USACE. The 8-digit codes watersheds in the Huntington District are WV 05050006 (Upper Kanawha), WV 05050009 (Coal), WV 05050007 (Elk), WV 05050008 (Lower Kanawha), WV 05050005 (Gauley), WV 05070102 (Lower Guyandotte), WV 05030201 (Middle Ohio North), WV 05030202 (Middle Ohio South), WV 05070201 (Tug Fork), WV 05050003 (Greenbrier), WV 02080201 (James), WV 05030203 (Little Kanawha), WV 05050004 (Lower New), WV 05050002 (Upper New), WV 05070204 (Big Sandy), WV 05090101 (Lower Ohio), WV 05090102 (Twelvepole), and WV 05070101 (Upper Guyandotte). The Bank Sponsor proposes to calculate mitigation credits for this site in accordance with the ratios outlined in Table B below. Using these ratios, the Little Clear Creek Site would have approximately 14.5 wetland credits (measured as acres).

**TABLE B**  
*Proposed Credits for Little Clear Creek Wetland Mitigation Bank Site*

<b>Mitigation Measure</b>	<b>Acreage</b>	<b>Ratio</b>	<b>Credit</b>
<b>Wetland Restoration</b>	2.82	1:1	2.82
<b>Wetland Restoration</b>	6.30	1:1	6.30
<b>Wetland Enhancement</b>	5.50	2:1	2.75
<b>Wetland Enhancement</b>	5.25	2:1	2.63
<b>Total Little Clear Creek Mitigation Bank Site Credit</b>			<b>14.5</b>

## MEADOW RIVER SITE

**DESCRIPTION OF THE PROPOSED PROJECT:** The Meadow River is an 81-acre site located near the town of Crawley, in Greenbrier County, West Virginia. The site is located within the Upper Meadow River watershed. Mitigation activities proposed to occur on this site would include the restoration forested wetland and preservation in perpetuity of forested

wetlands and adjacent uplands (Figures 9-12 of 16). The project site currently consists of is upland pastureland (formerly forested wetlands) with mature bottomland forested wetlands. The Bank Sponsor has performed a wetland delineation of the site and a conceptual restoration/enhancement plan.

The Meadow River is located within the Gauley River watershed. The Meadow River watershed is divided into two units, Lower Meadow River (WV 05050005.120) and Upper Meadow River (WV 0505000.110). The proposed service area for the Meadow River Wetland Bank Site is the Huntington District of the U.S. Army Corps of Engineers. The Bank Sponsor proposes to calculate mitigation credits for this site in accordance with the ratios outlined in Table C below. Using these ratios, the Meadow River Site would have approximately 28.27 wetland credits available for use.

**TABLE C**  
*Proposed Credits for Meadow River Wetland Mitigation Bank Site*

<b>Mitigation Measure</b>	<b>Acreage</b>	<b>Ratio</b>	<b>Credit</b>
<b>Wetland Restoration</b>	19.09	1:1	19.09
<b>Upland Preservation</b>	20.00	20:1	1.00
<b>Forested Wetland Preservation</b>	40.91	5:1	8.18
<b>Total Meadow River Wetland Mitigation Bank Site Credit</b>			<b>28.27</b>

## **WHITESTICK CREEK SITE**

**DESCRIPTION OF THE PROPOSED PROJECT:** The Whitestick Creek Site is an approximately 28-acre site located near the City of Beckley in Raleigh County, West Virginia. Whitestick Creek is a tributary of the Piney Creek, which flows into the New River watershed. An unnamed tributary of Whitestick Creek and its adjacent wetlands flow through the project site (Figures 13-16 of 16). Whitestick Creek has become adversely impacted as a result urban development activities. Based on position in the watershed, it is likely that at one time, Whitestick was a meandering C or E type channel. However, the channel is now exhibiting characteristics of an F type stream with severe sedimentation and in some reaches a general lack of riparian zone. Currently, the stream is in need of Priority 2 restoration, where practicable. Stream restoration would include the restoration of the appropriate dimension, pattern and profile of a C type stream, where practicable. In addition, an unnamed tributary to Whitestick Creek has been straightened. This tributary would be restored using a Priority 1 restoration strategy in which the pattern, profile and dimension would be restored and the channel will be reconnected to the original floodplain. In addition to streams, the site contains uplands, degraded wetlands, and medium to high quality wetlands. The Bank Sponsor proposes to perform a combination of wetland restoration, enhancement, and preservation work to increase overall aquatic value within the watershed.

The proposed service area for the Whitestick Creek wetland and stream Bank Site is the Upper and Lower New River (WV 05050002 and WV 05050004, respectively), both of which are

located in the USACE Huntington District. The Bank Sponsor proposes to calculate mitigation credits for this site in accordance with the ratios outlined in Tables D and E below. Using these ratios, the Whitestick Creek Site would have approximately 15.93 wetland 28.27 credits and 329,536 stream credits available for use.

**TABLE D*****Proposed Stream Mitigation Units for Whitestick Creek Stream Mitigation Bank Site***

<b>Baseline Condition</b>							
<b>Location</b>	<b>Stream Designation</b>	<b>RBP Score</b>	<b>Ecological Unit</b>	<b>Area Unit</b>	<b>Stream Rating</b>	<b>Baseline Units</b>	
<b>00+00-10+00</b>	WS-1	107	107	1000	2	214,000	
<b>10+00-20+00</b>	WS-2	97	97	1000	2	194,000	
<b>20+00-30+84</b>	WS-3	97	97	1000	2	194,000	
<b>Total Baseline Units</b>						<b>602,000</b>	
<b>Proposed Condition</b>							
<b>Location</b>	<b>Stream Designation</b>	<b>RBP Score</b>	<b>Ecological Unit</b>	<b>Area Unit</b>	<b>Stream Rating</b>	<b>Predicted Units</b>	<b>Stream Mitigation Units</b>
<b>00+00-10+00</b>	WS-1	151	151	1000	2	302,000	88,000
<b>10+00-20+00</b>	WS-2	150	150	1000	2	300,000	106,000
<b>20+00-30+84</b>	WS-3	152	152	1084	2	329,536	135,536
<b>Total Proposed Units</b>						931,536	---
<b>Total Whitestick Creek Stream Mitigation Units</b>						<b>329,536</b>	

**TABLE E*****Proposed Credits for Whitestick Creek Wetland Mitigation Bank Site***

<b>Mitigation Measure</b>	<b>Acreage</b>	<b>Ratio</b>	<b>Credit</b>
<b>Wetland Restoration</b>	12.74	1:1	12.74
<b>Wetland Preservation</b>	2.03	5:1	0.41
<b>Wetland Preservation</b>	13.90	5:1	2.78
<b>Total Whitestick Creek Wetland Mitigation Bank Site Credit</b>			<b>15.93</b>

**WATER QUALITY CERTIFICATION:** A Section 401 Water Quality Certification is required for these projects. It is the applicant's responsibility to obtain certification from the WVDEP.

**HISTORIC AND CULTURAL RESOURCES:** The National Register of Historic Places (NRHP) will be consulted for all proposed projects and as part of the evaluation performed for each project. This Public Notice will serve as coordination with the West Virginia Division of Culture and History (WVDCH) regarding the project and its potential effects to known historical, architectural, or archeological sites listed in or eligible for inclusion in the NRHP.

**ENDANGERED/THREATENED SPECIES REVIEW:** The U.S. Fish and Wildlife Service's will be consulted for all mitigation projects proposed to be constructed as part of this mitigation bank. This public notice serves as a request to the USFWS to provide any additional information the agency may have on the extent to which the proposed project would affect any listed or proposed to be listed endangered or threatened species, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended).

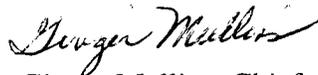
**PUBLIC INTEREST REVIEW AND COMMENT:** This application will be reviewed in accordance with 33 CFR 320-331, the Regulatory Program of the U. S. Army Corps of Engineers, and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U. S. Environmental Protection Agency pursuant to Section 404(b)(1) of the CWA. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof; of those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act.

Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Written statements on these factors received in this office on or before the expiration date of this public notice will become a part of the record and will be considered in the final determination. A permit will be granted unless its issuance is found to be contrary to the public interest.

**SOLICITATION OF COMMENTS:** The public notice is being distributed to all known interested persons in order to assist in developing fact upon which a decision by the District Engineer may be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. Any person who has an interest that may be adversely affected by the issuance of a permit may request a public hearing. The request must be submitted in writing to the District Engineer on or before the expiration date of this notice and must clearly set forth the interest which may be adversely affected and the manner in which the interest may be adversely affected by the activity.

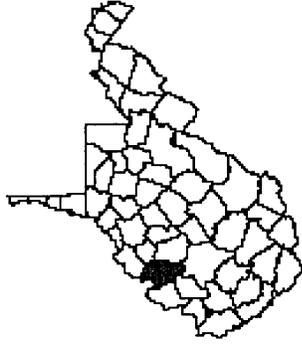
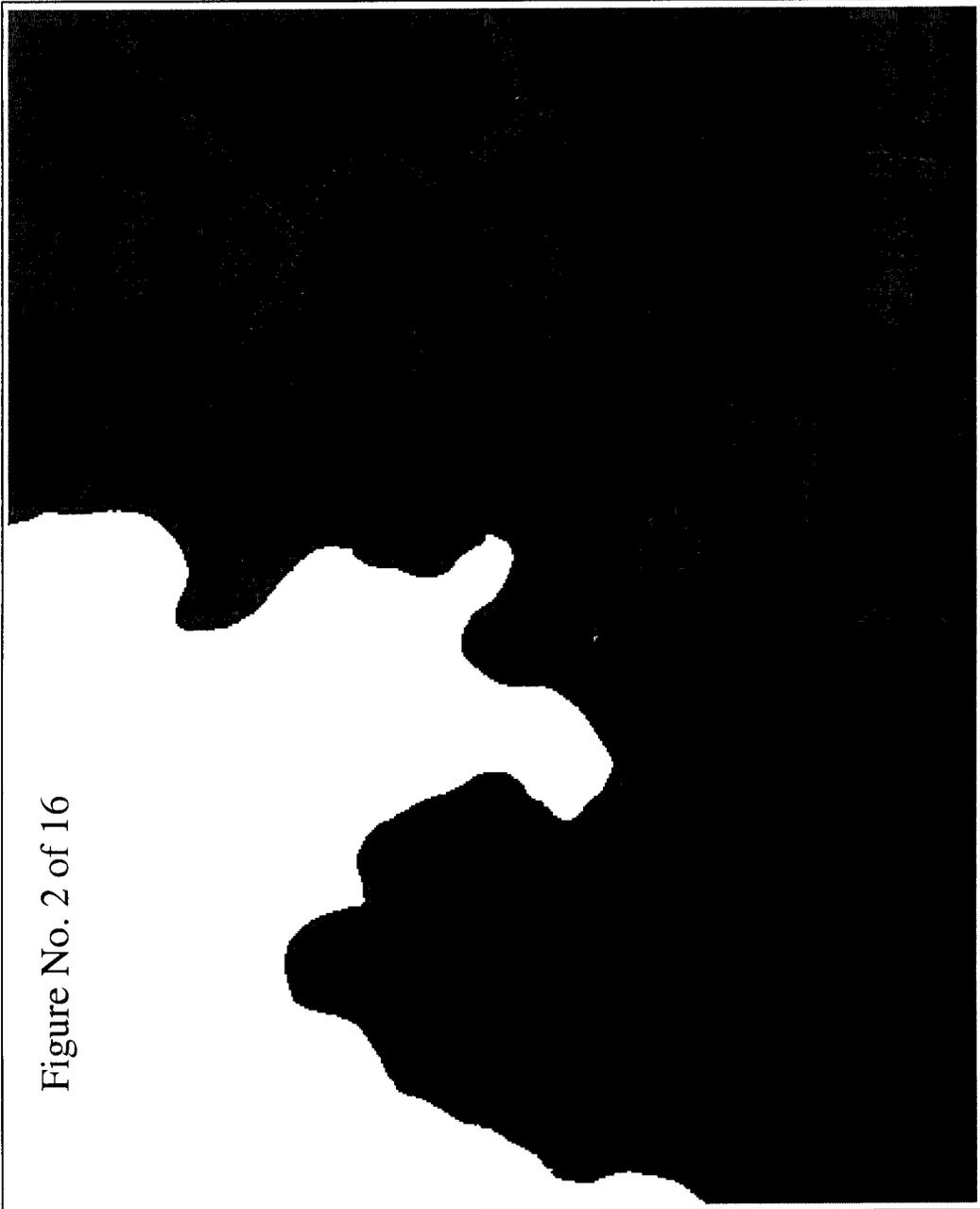
**CLOSE OF COMMENT PERIOD:** All comments pertaining to this Public Notice must reach this office on or before the close of the comment period listed on page one of this Public Notice. If no comments are received by that date, it will be considered that there are no objections. Comments and requests for additional information should be submitted to Ms. Jennifer Walker, Project Manager, South Regulatory Section, CELRH OR-FS; U. S. Army Corps of Engineers Huntington District; 502 Eighth Street; Huntington, West Virginia 25701-2070. Please note that names and addresses of those who submit comments in response to this public notice may be made publicly available. Thank you for your interest in our nation's water resources. If you have any questions concerning this public notice, please call Ms. Jennifer Walker of the South Regulatory Section at 304-399-6956.

  
Ginger Mullins, Chief  
Regulatory Branch

(W)



Figure No. 2 of 16



10 0 10 Miles



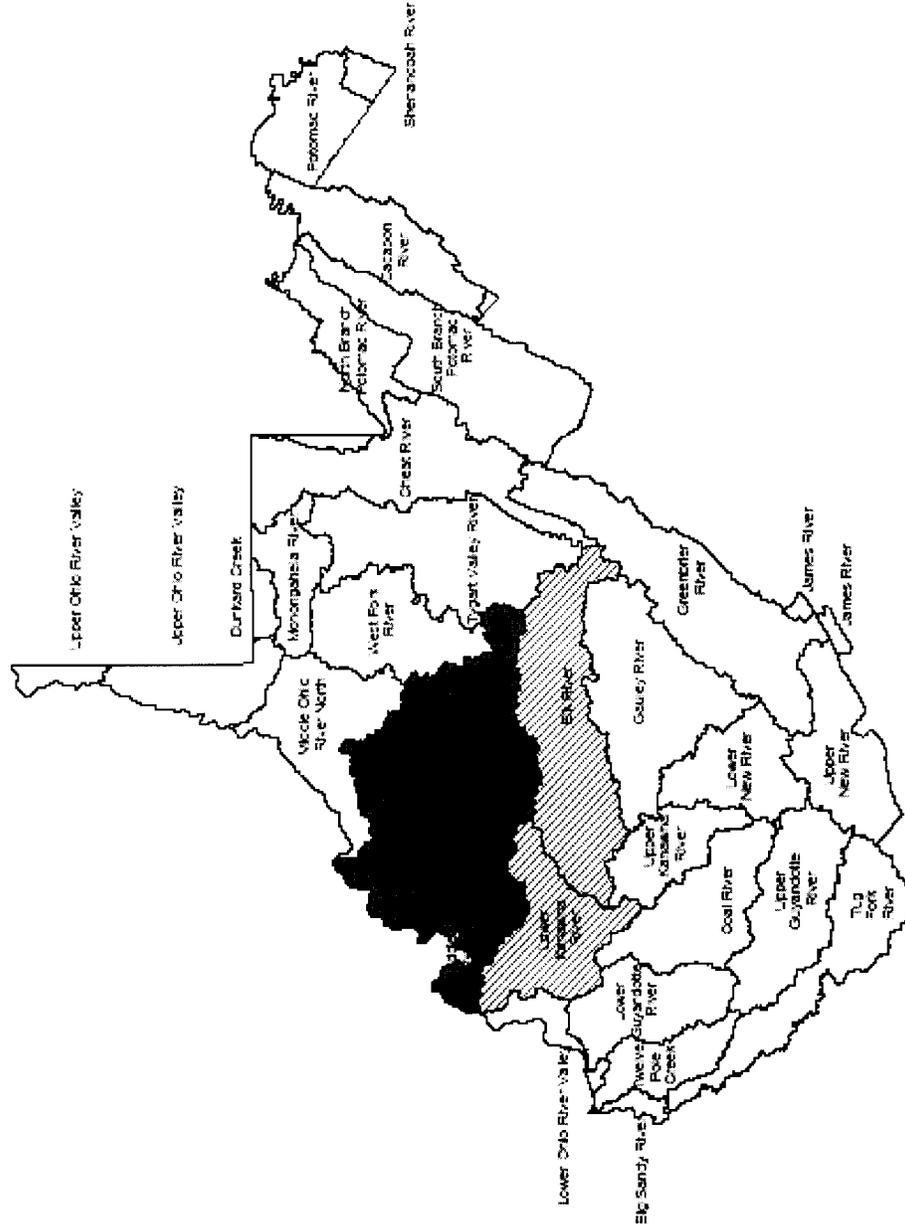
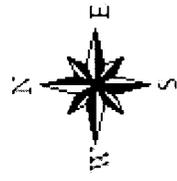
**200501439**

**APPENDIX A1**

West Virginia Mitigation Bank Prospectus  
Mud Run Stream Mitigation Bank Site  
Vicinity Map  
Jackson County, West Virginia  
Project Number: 04-0484-002



Figure No. 3 of 16



- Mud Run Watershed
- Little Kanawha River Watershed
- Lower Middle Ohio River Watershed
- West Virginia Major Watersheds

50 0 50 100 Miles

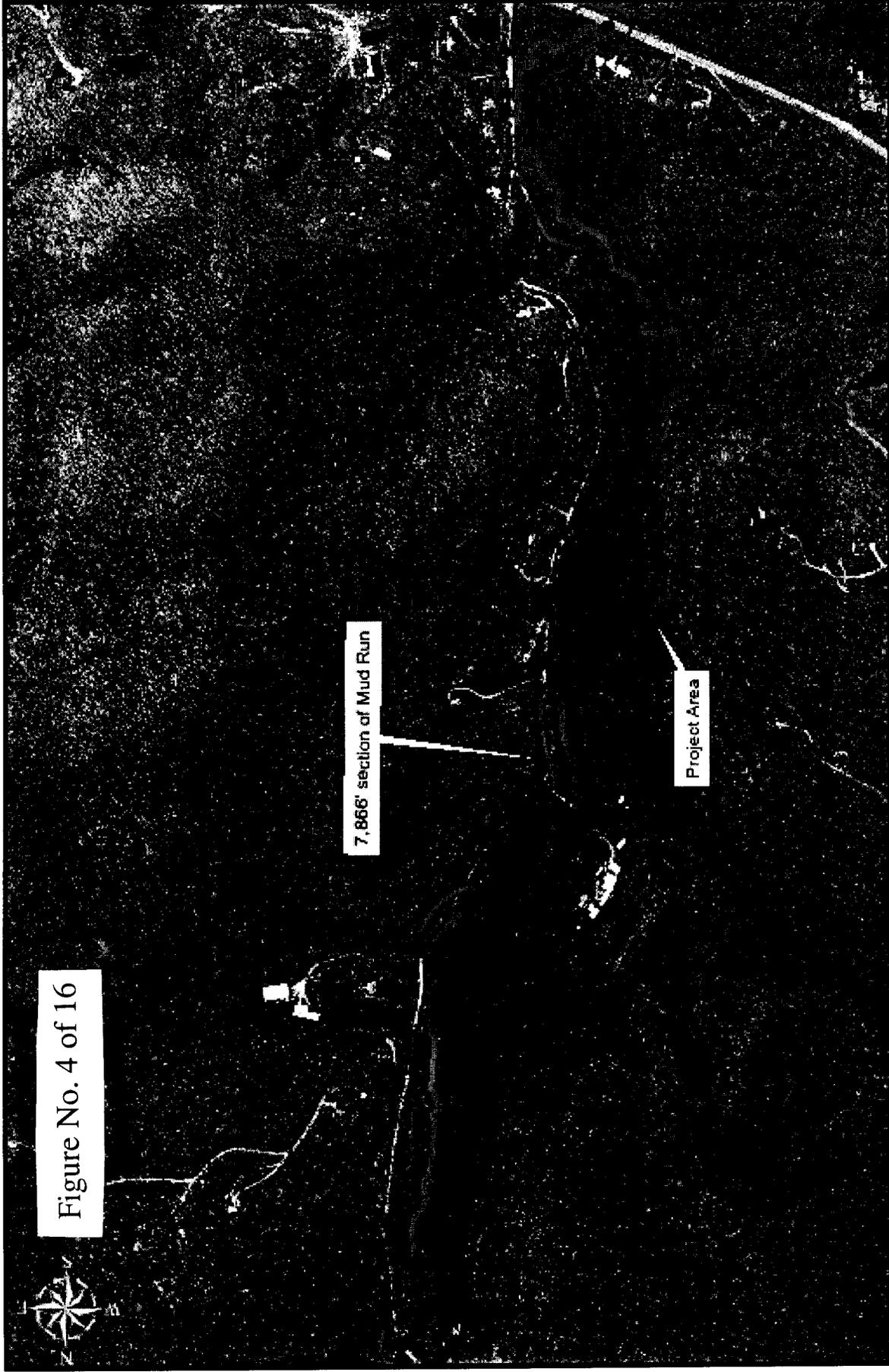


200501439



Appendix A6  
 West Virginia Mitigation Bank Prospectus  
 Mud Run Stream Mitigation Bank Site  
 Mud Run Service Area  
 Jackson County, West Virginia  
 Project Number: 0101-04-0484-002

Figure No. 4 of 16



7,866' section of Mud Run

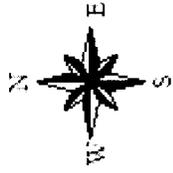
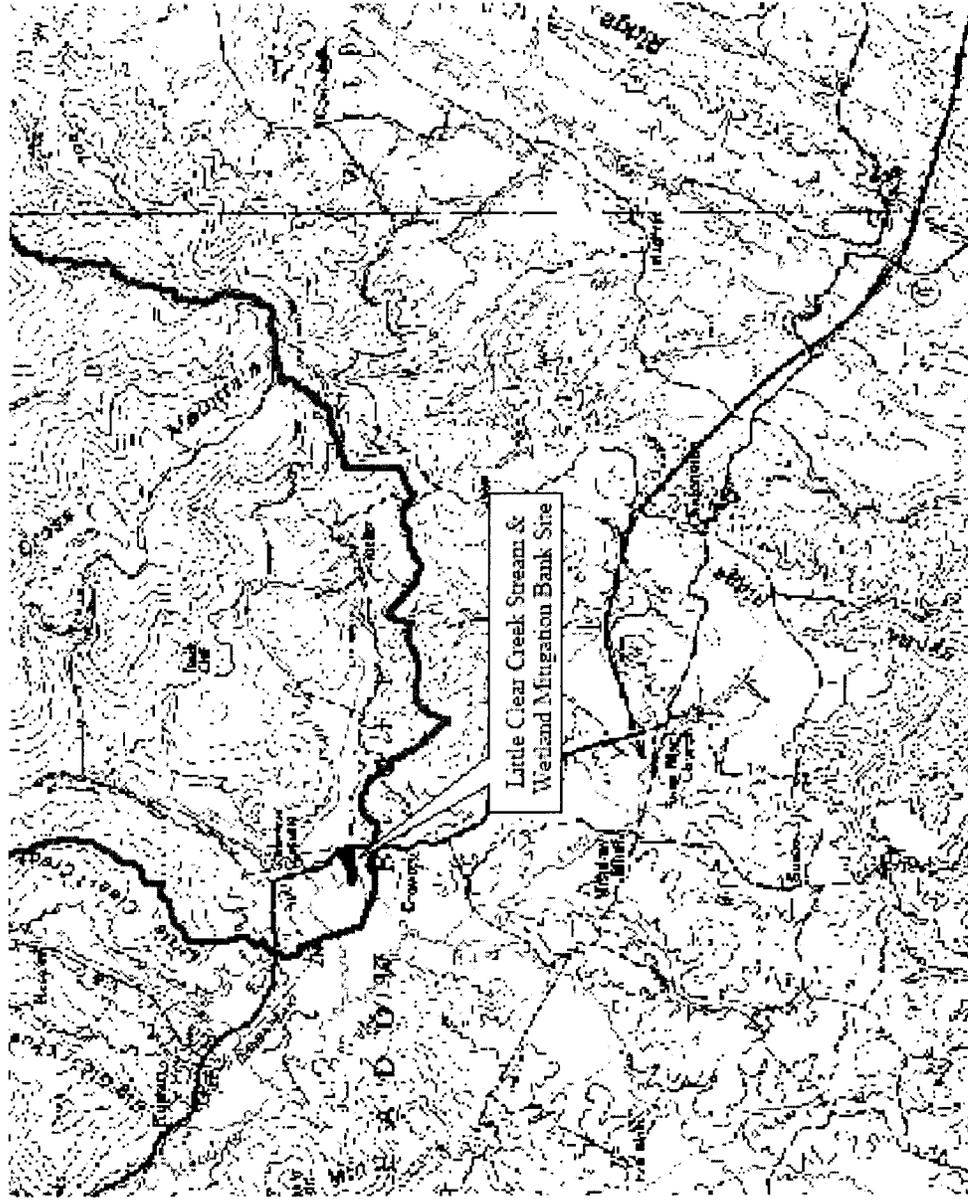
Project Area

SCALE: 1" = 600'	APPENDIX A2
DATE: JUNE 2005	West Virginia Mitigation Bank Proceedings
PROJECT NO. 04-0484-002	Mud Run Stream Mitigation Bank Site
NOTES:	Aerial Mapping
	Jackson County, West Virginia

**POTESTA**  
 PHOTOGRAPHIC AERIAL PHOTOGRAPHY

200501439

Figure No. 5 of 16



 Little Clear Creek Watershed

### APPENDIX B1

West Virginia Mitigation Bank Prospectus  
Little Clear Creek Wetland Mitigation Bank Site  
Location Map  
Greenbrier County, West Virginia  
Project Number: 04-C448-002

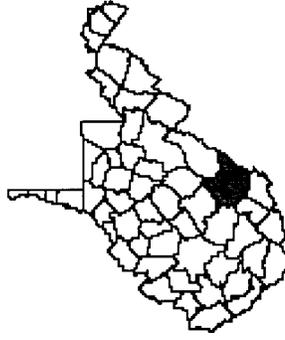
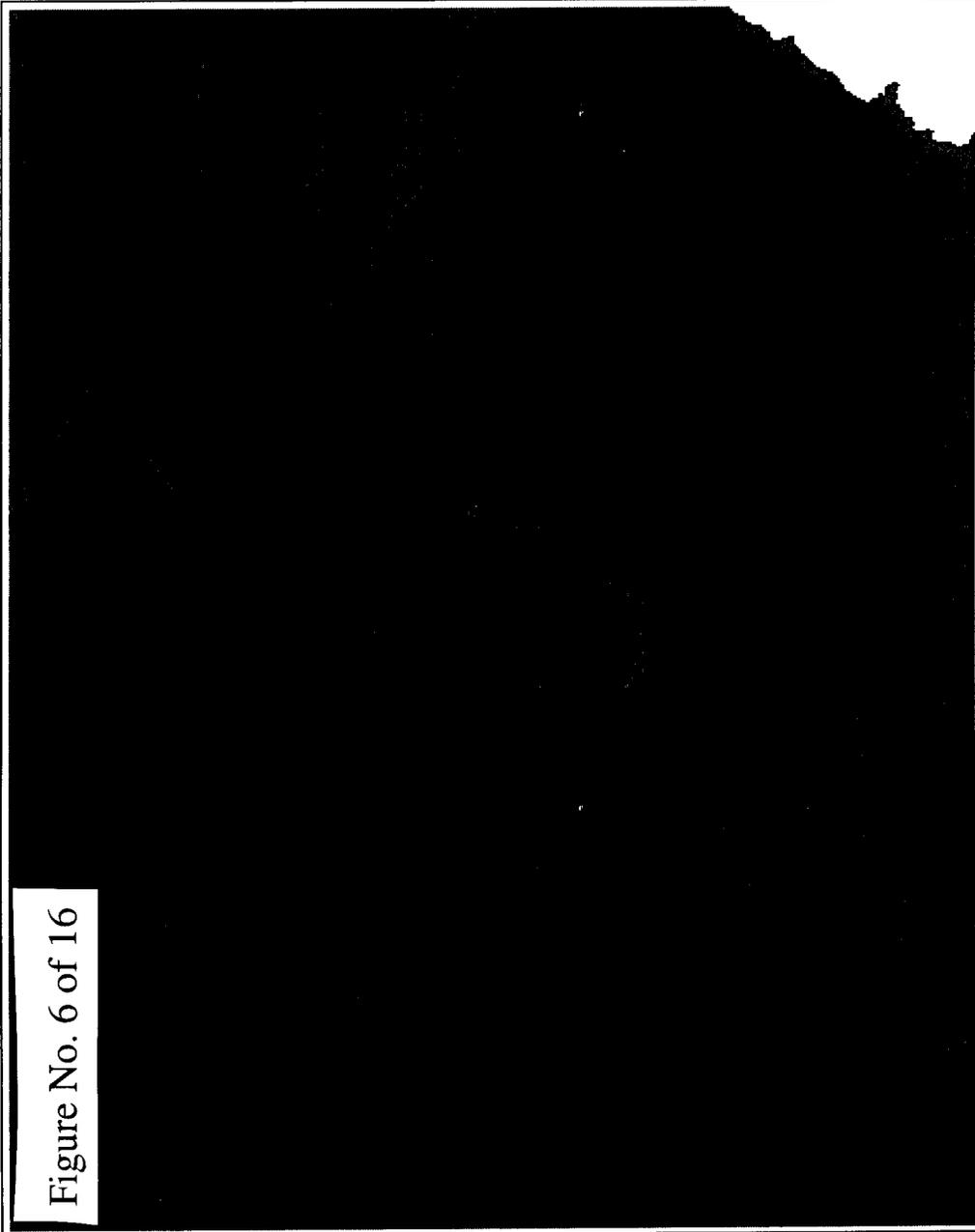


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**200501440**

Figure No. 6 of 16



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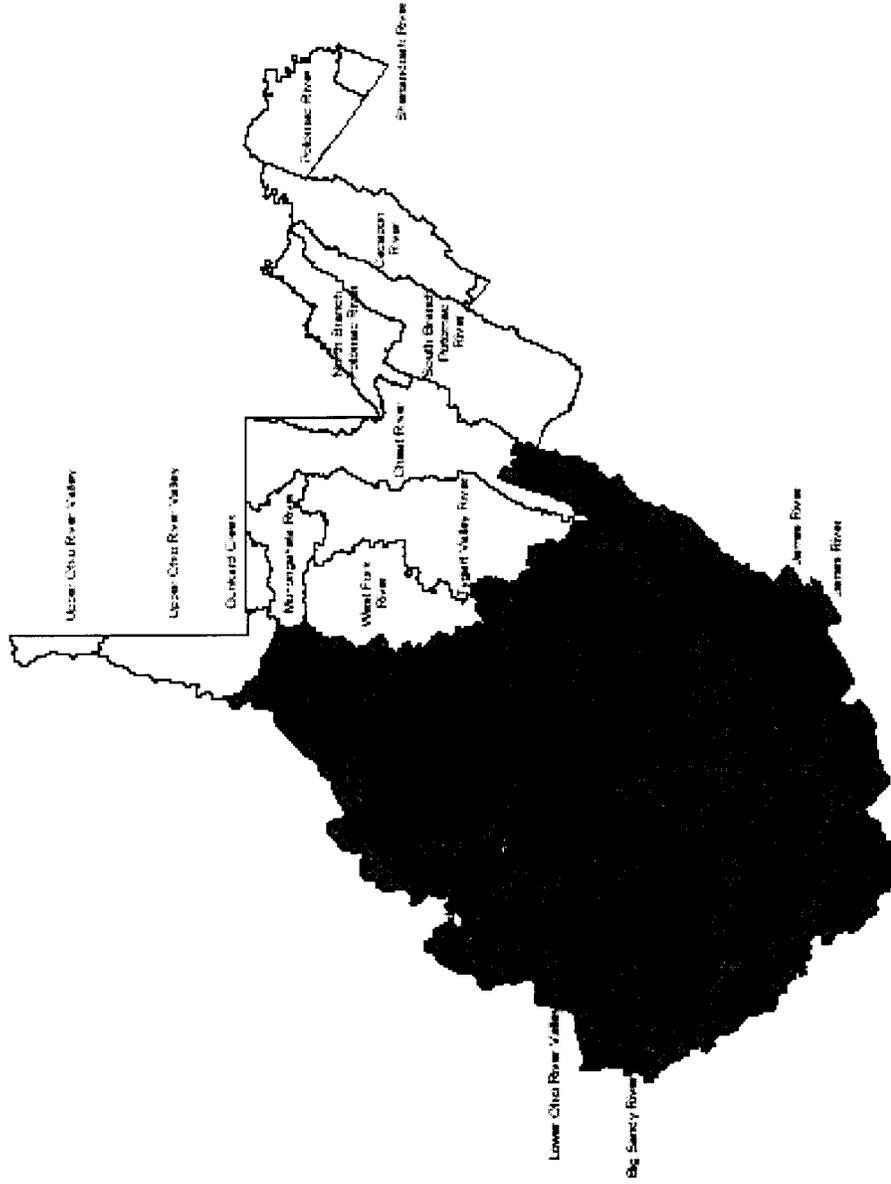
200501440

**APPENDIX B1**

West Virginia Mitigation Bank Prospectus  
Little Clear Creek Stream and  
Wetland Mitigation Bank Site  
Vicinity Map  
Greenbrier County, West Virginia  
Project Number: 04-0484-002



Figure No. 7 of 16



West Virginia Major Watersheds  
 Little Clear Creek Watershed  
 Little Clear Creek Service Area



**200501440**



**APPENDIX B8**  
 West Virginia Mitigation Bank Prospectus  
 Little Clear Creek Wetland Mitigation Bank Site  
 Service Area Map  
 Greenbrier County, West Virginia  
 Project Number: 04-0494-002

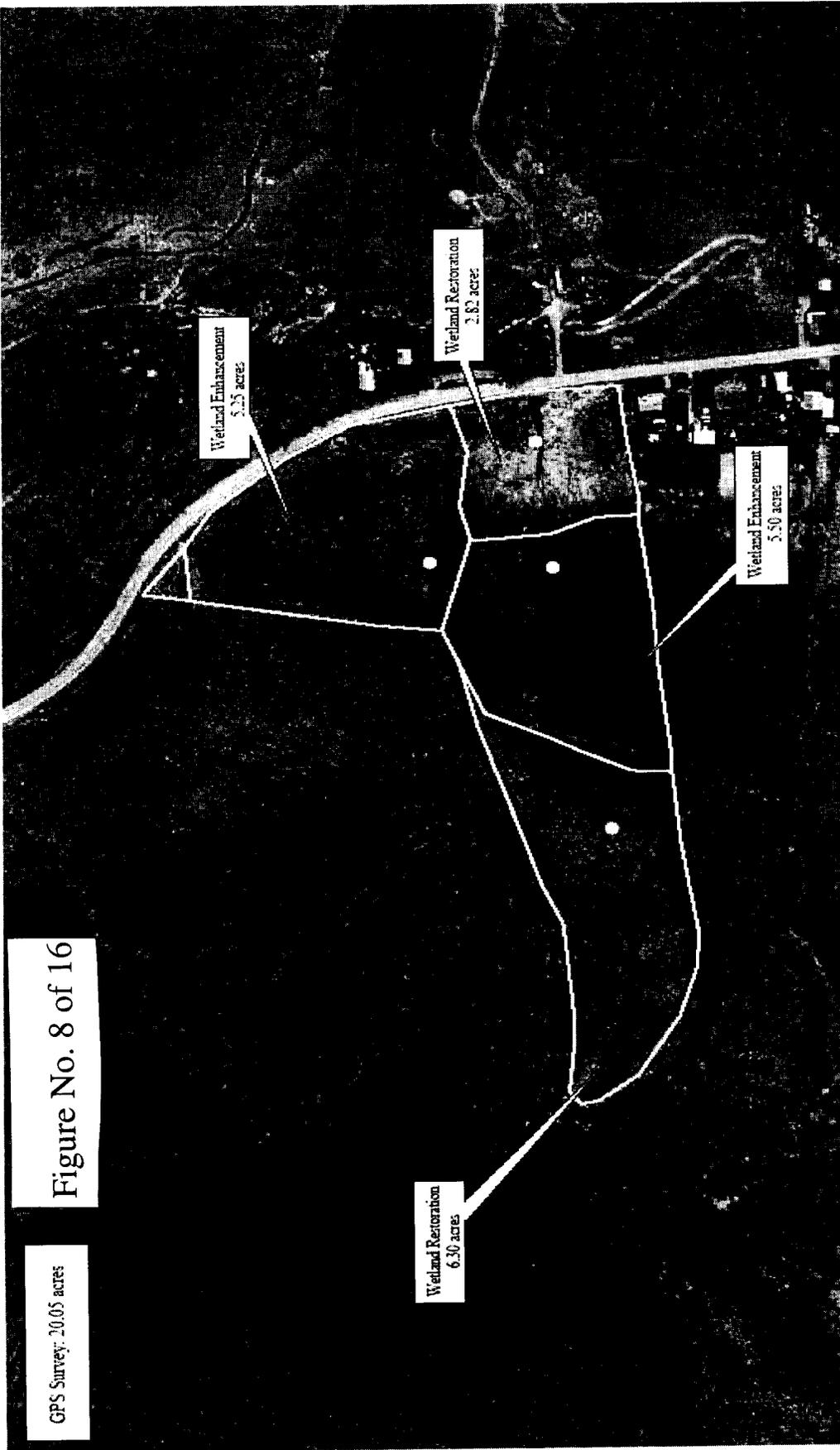


Figure No. 8 of 16

GPS Survey: 20.05 acres

Wetland Restoration  
6.30 acres

Wetland Enhancement  
3.25 acres

Wetland Restoration  
2.82 acres

Wetland Enhancement  
5.50 acres



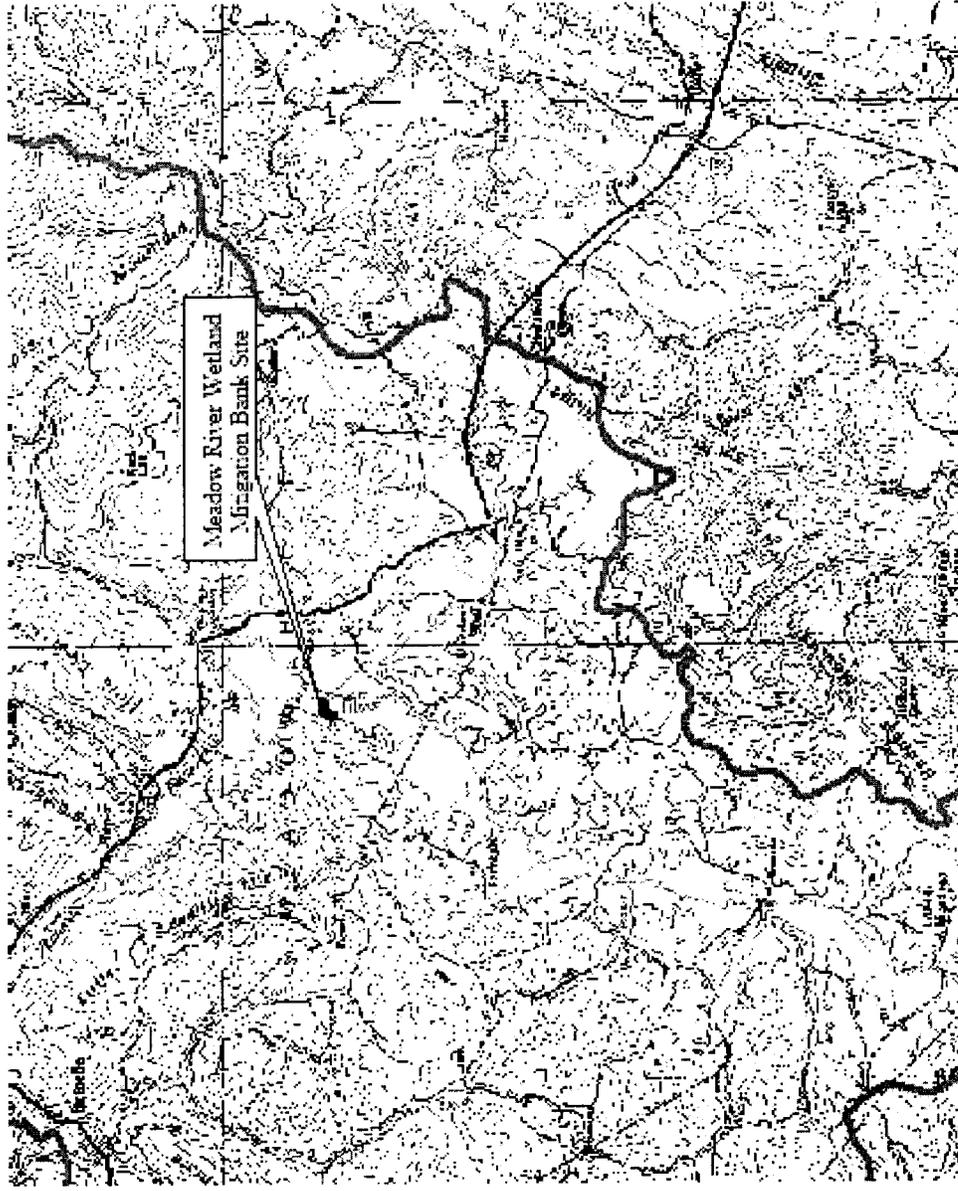
**200501440**



**APPENDIX B**

West Virginia Mingation Bank Prospectus  
Little Clear Creek Wetland Mingation Bank Site  
Enhancement and Restoration Locations  
Greenbrier County, West Virginia  
Project Number: 04-0484-002

Figure No. 9 of 16



Upper Meadow River Watershed



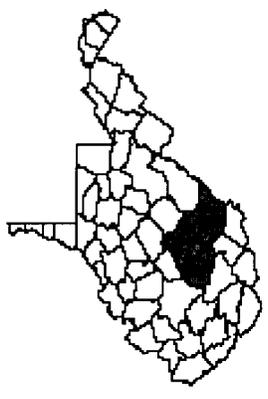
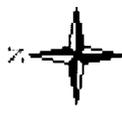
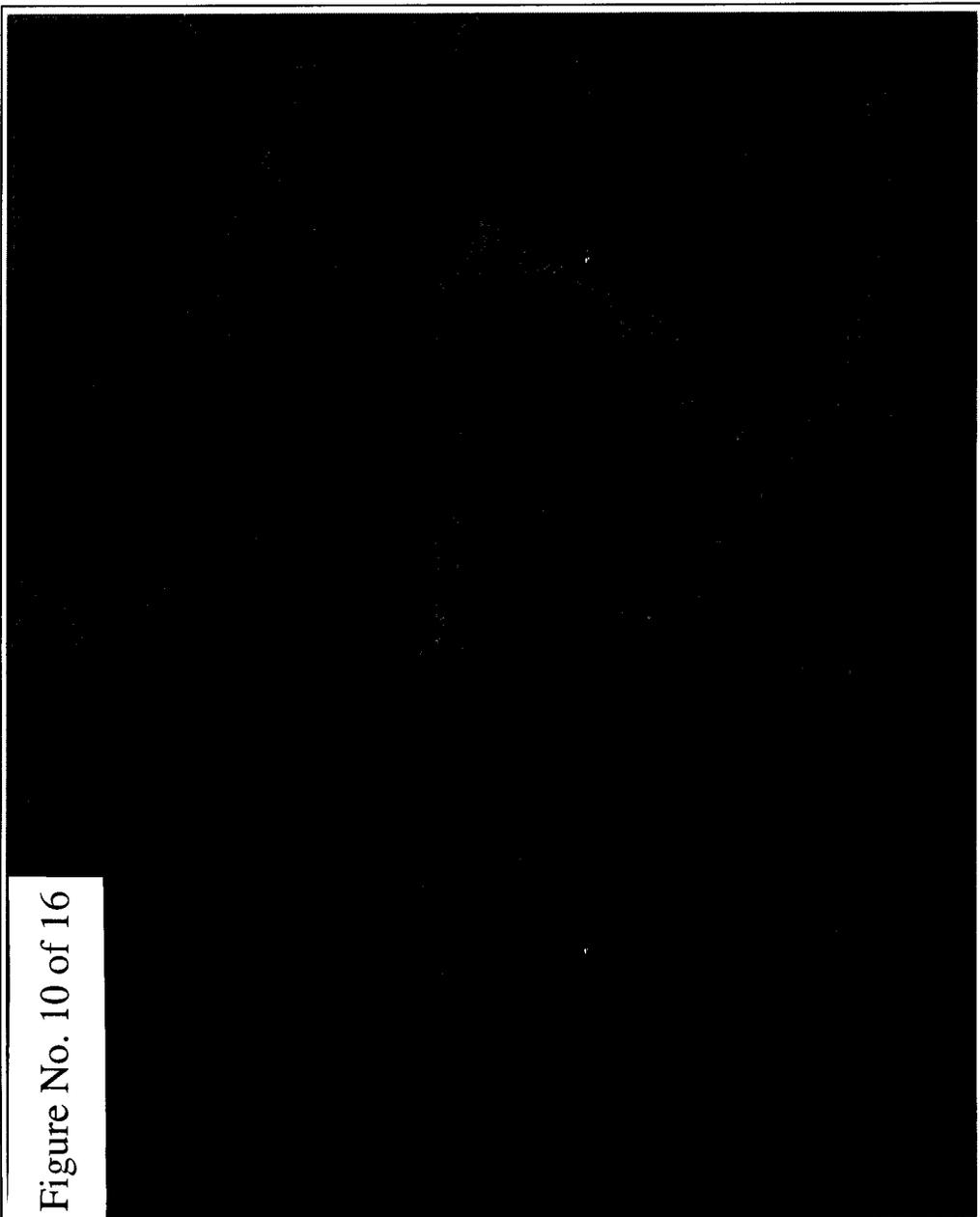
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**APPENDIX C1**

West Virginia Mitigation Bank Prospectus  
Meadow River Wetland Mitigation Bank Site  
Location Map  
Greenbrier County, West Virginia  
Project Number: 04-0449-002

Figure No. 10 of 16



10 0 10 20 Miles



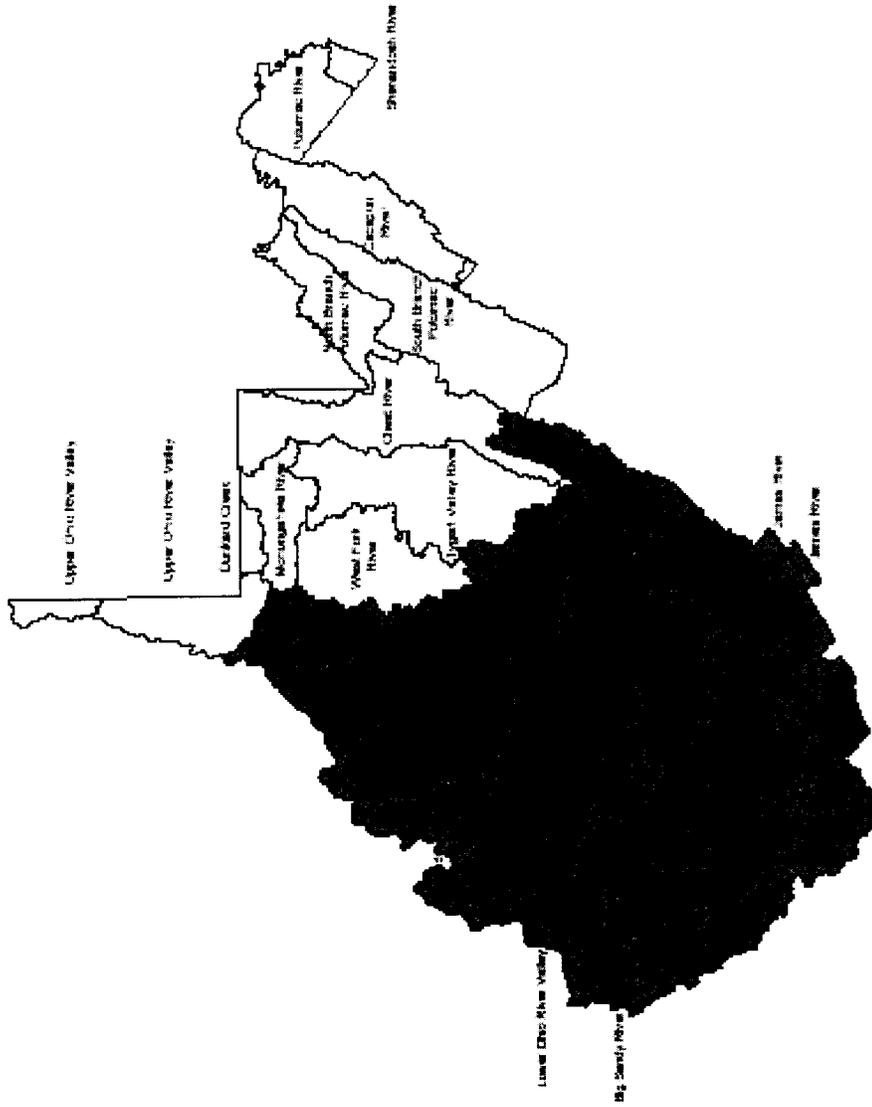
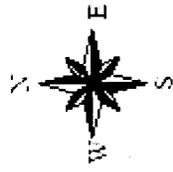
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**APPENDIX C1**

West Virginia Mitigation Bank Prospectus  
Meadow River Wetland Mitigation Bank Site  
Vicinity Map  
Greenbrier County, West Virginia  
Project Number: 04-0484-002



Figure No. 11 of 16



West Virginia Major Watersheds  
Upper Meadow River Watershed  
Upper Meadow River Service Area

50 0 50 100 Miles



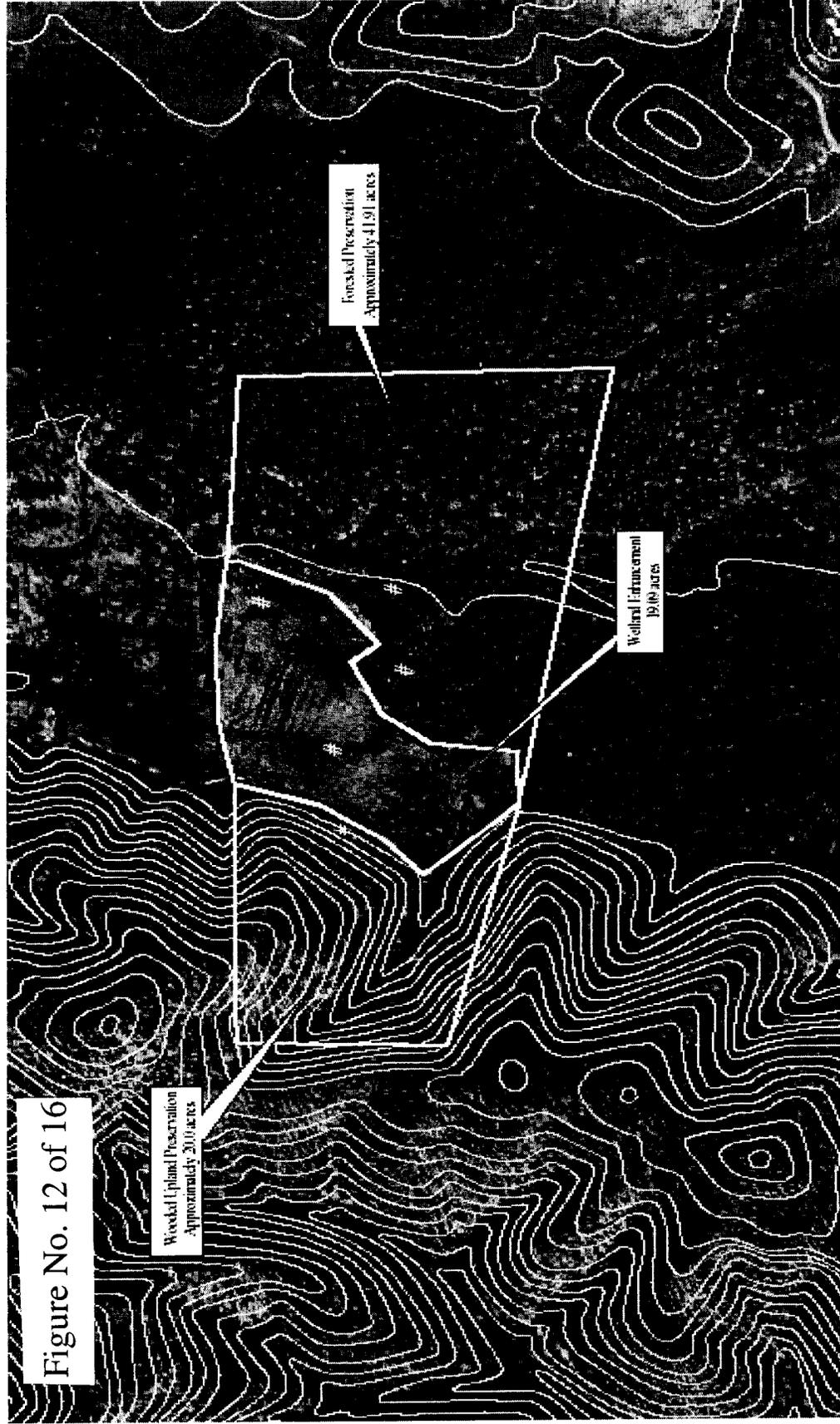
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**Appendix C8**

West Virginia Mitigation Bank Prospectus  
Meadow River Wetland Mitigation Bank Site  
Service Area Map  
Greenbrier County, West Virginia  
Project Number: 04-0484-002



Figure No. 12 of 16



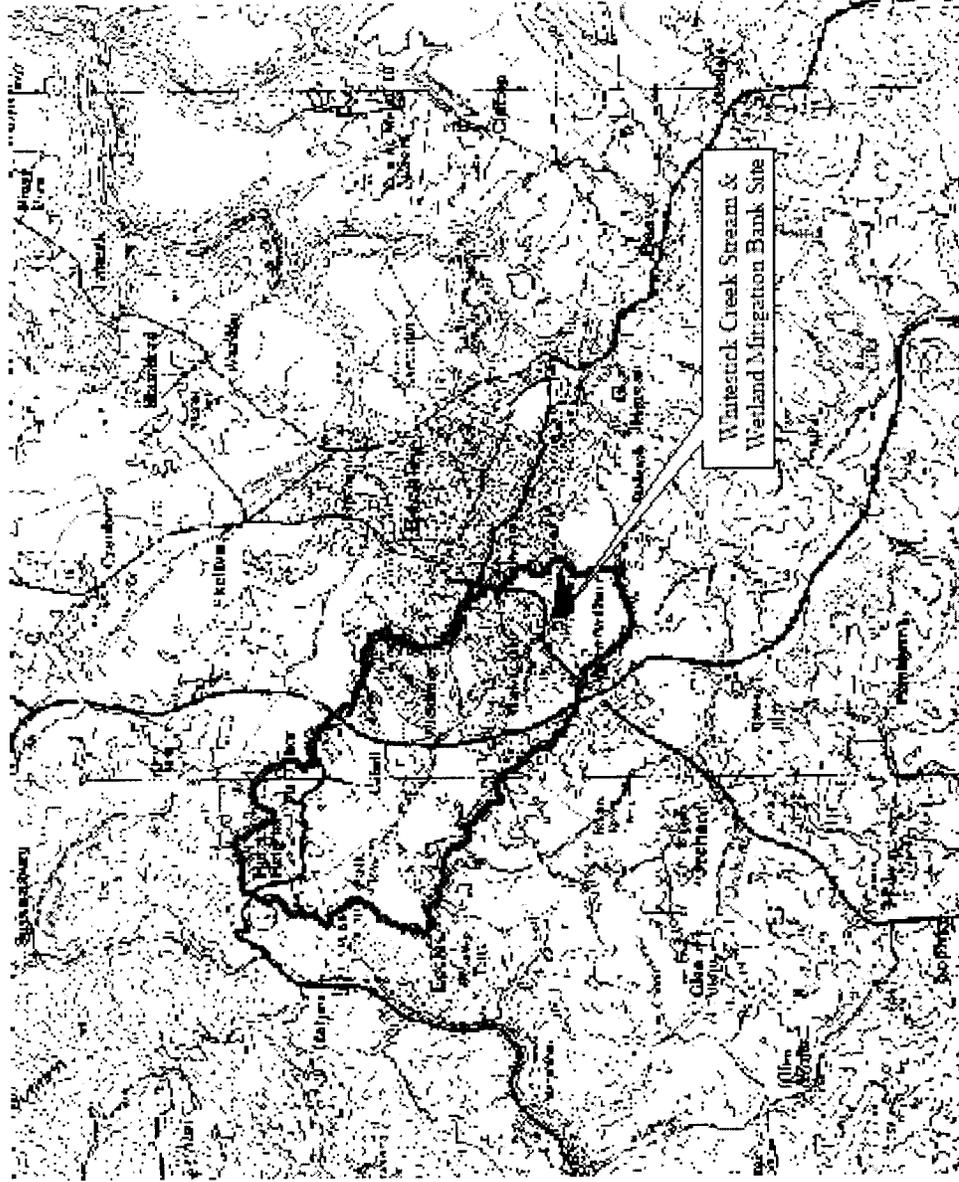
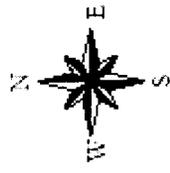
200501441



**APPENDIX C**

West Virginia Mitigation Bank Prospectus  
Meadow River Wetland Mitigation Bank Site  
Enhancement and Preservation Locations  
Greenbrier County, West Virginia  
Project Number: 04-0484-002

Figure No. 13 of 16



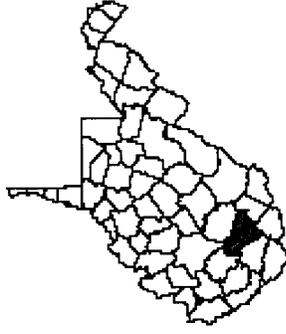
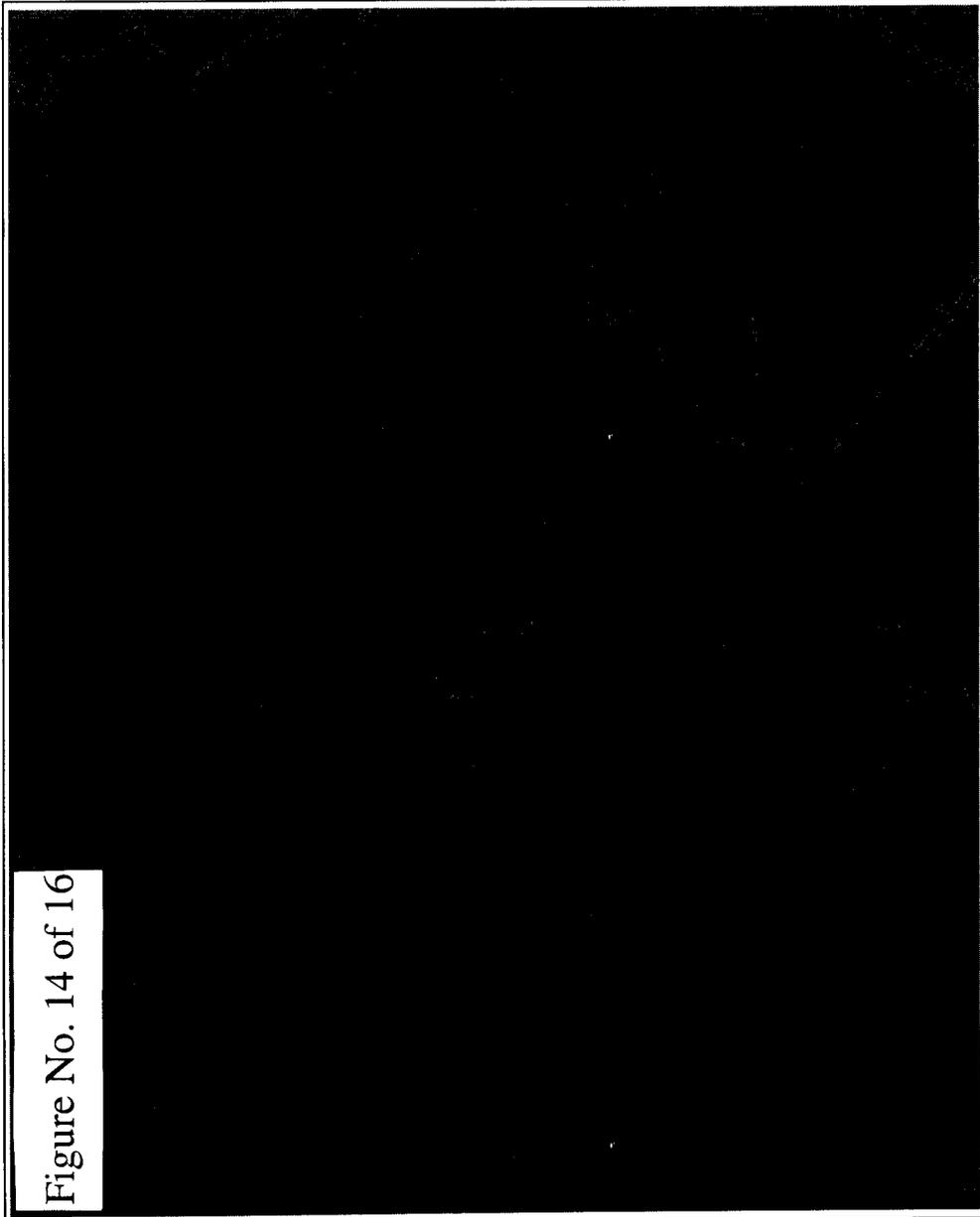
□ Whitestick Creek Watershed

**APPENDIX D1**  
West Virginia Mitigation Bank Prospectus  
Whitestick Creek Stream and  
Wetland Mitigation Bank Site  
Location Map  
Raleigh County, West Virginia  
Project Number: D4-D448-002



**200501442**

Figure No. 14 of 16



3 0 3 6 Miles



200501442

**APPENDIX D1**

West Virginia Mitigation Bank Prospectus  
Whitestick Creek Stream and  
Wetland Mitigation Bank Site  
Vicinity Map

Raleigh County, West Virginia  
Project Number: 04-0484-002





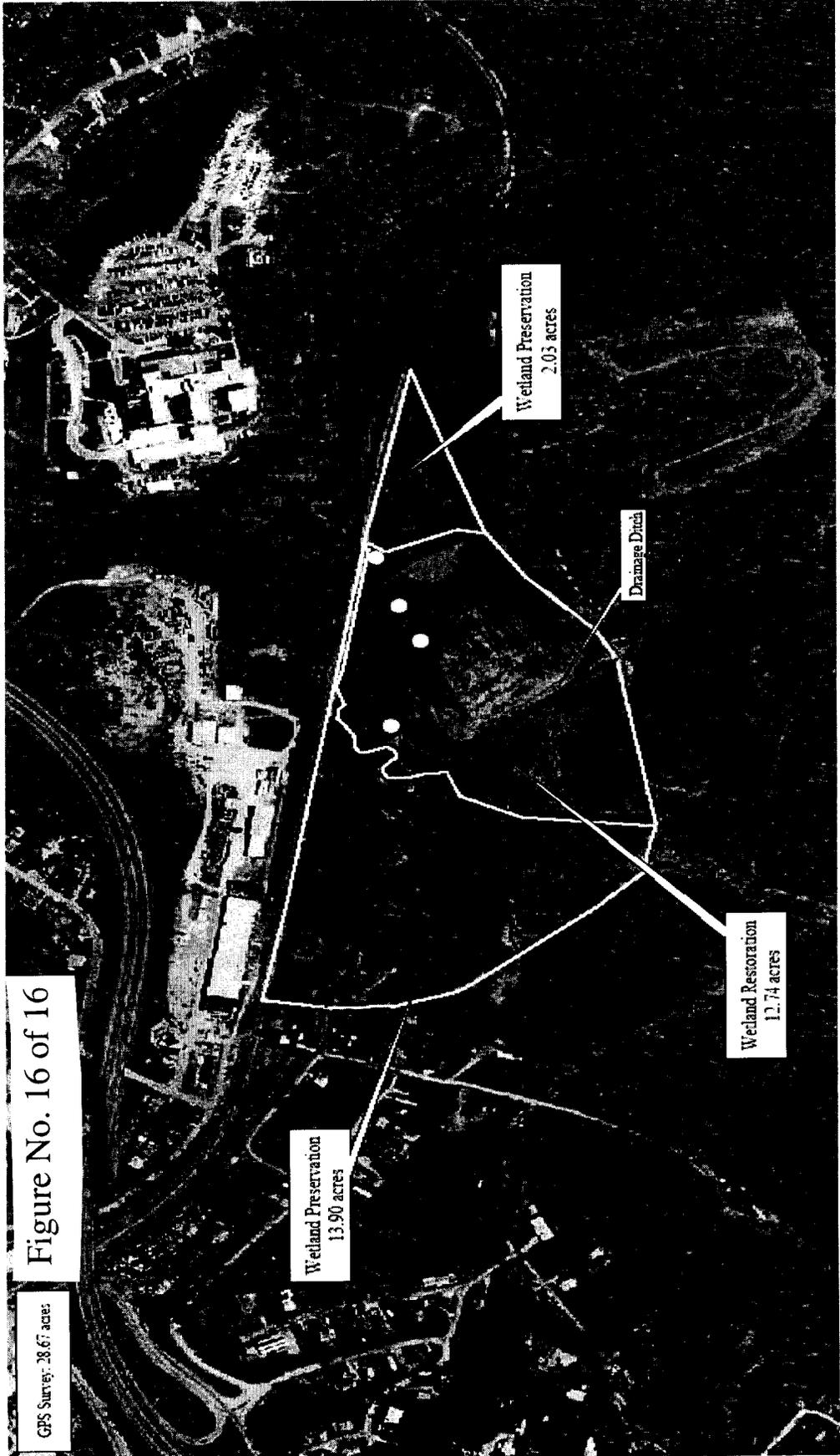


Figure No. 16 of 16

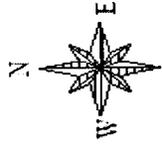
GPS Survey: 38.67 acres

Wetland Preservation  
13.90 acres

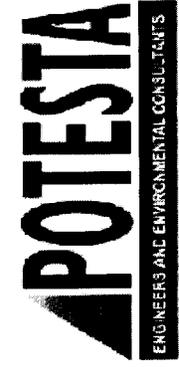
Wetland Preservation  
2.03 acres

Wetland Restoration  
12.74 acres

Drainage Ditch



**200501442**



**APPENDIX D**

West Virginia Mingoan Bank Prospectus  
Whitesock Creek Stream and  
Wetland Mingoan Bank Site  
Restoration and Preservation Location  
Raleigh County, West Virginia  
Project Number: 04-0341-002