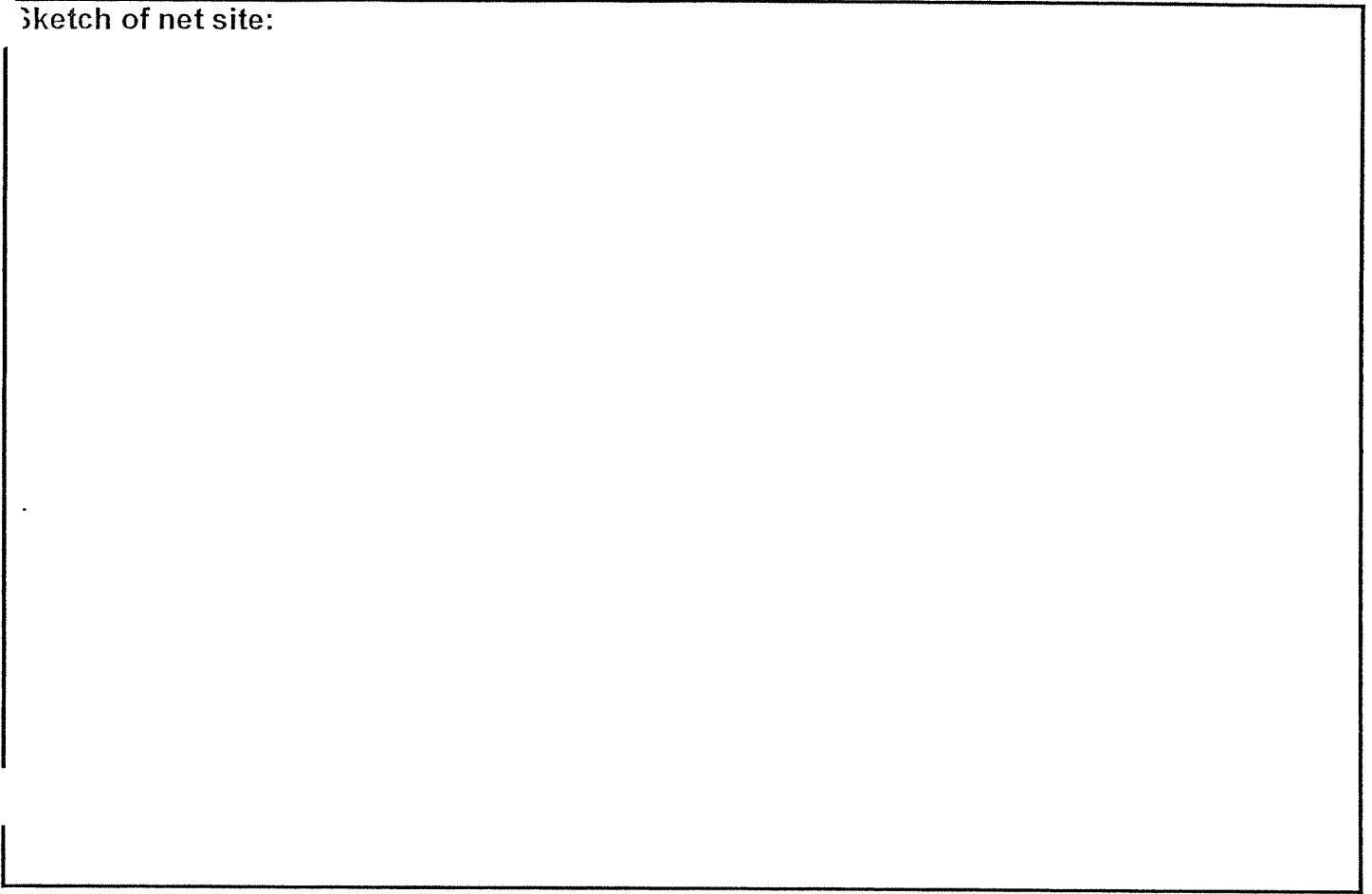


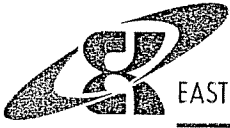
East Kentucky Power Mist Netting Data Sheet

Sketch of net site:



Vegetative description:

Herps:



EAST KENTUCKY POWER COOPERATIVE

October 14, 2004

Ms. Sara Hines
Kentucky Nature Preserves Commission
801 Schenkel Lane
Frankfort, Kentucky 40601

Dear Sara;

East Kentucky Power would like to request the locations of all caves and capture sites for Indiana bats (*Myotis sodalis*) and gray bats (*Myotis griscesens*) in the following counties:

Hart
Barren
Edmonson
Ohio
Warren, and
Butler

EKPC is proposing to build 90 miles of transmission corridor in the vicinity of the Bowling Green area. The capture and cave locations of these 2 species of bats will be vital in the routing process of these corridors.

Please don't hesitate to contact me if you have any questions. Thanks for taking the time to review our projects.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Settles', written over a long horizontal line.

Joe Settles
Supervisor, Natural Resources
And Environmental Communications

4775 Lexington Road 40391
P.O. Box 707, Winchester,
Kentucky 40392-0707

Tel. (859) 744-4812
Fax: (859) 744-6008
<http://www.ekpc.com>

Donald S. Dott, Jr.
Director



Ernie Fletcher
Governor

Commonwealth of Kentucky
Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort, Kentucky 40601-1403
502-573-2886 Voice
502-573-2355 Fax

September 14, 2005

Joe Settles
East Kentucky Power Cooperative
4775 Lexington Rd PO Box 707
Winchester, KY 40392-0707

Data Request 05-026

Dear Mr. Settles:

This letter is in response to your data request of October 14, 2004 for the proposed 90 mile transmission corridor in the Bowling Green area project. We have reviewed our Natural Heritage Program Database for known Indiana bat and gray bat element occurrences, associated cave sites, supplemental riparian corridors and associated major reservoirs occur in Hart, Barren, Edmonson, Ohio, Warren, and Butler Counties. We hope this information is adequate for your preliminary analysis of the six-county area for a powerline corridor. As your planning progresses, we welcome the opportunity to provide further input about these and other species. Please note that this information is being provided for the use of East Kentucky Power or its contractors expressly for the project named above.

Known Indiana bat and gray bat element occurrences, associated cave sites, supplemental riparian corridors and associated major reservoirs are included as generalized shapes. We also have included a shapefile of the known managed areas, including nature preserves and conservation lands for your information.

Here are a few notes about the process that we used to create this shapefile: Element Occurrences (EO) of Indiana bats and gray bats and known associated cave sites were extracted from the Kentucky Natural Heritage Program's Database for the specified search area (Hart, Barren, Edmonson, Ohio, Warren, and Butler Counties). The EO records were buffered by three miles to account for associated riparian areas and reservoirs that the bats are likely using. Cave sites with occurrences of these species were buffered by one mile based on guidelines U.S. Fish and Wildlife Service provided to East Kentucky Power Cooperative. The resulting buffers were combined into a single shapefile and generalized into blocks.

Riparian corridors were identified for EOs which were determined to have inadequate riparian corridors or reservoirs within their associated buffer area. The National Hydrography Dataset (1:24,000) was used to create these riparian corridors. These corridors represent 500 foot buffers of the polygon representation of the associated streams. Nolin Lake and Barren River Lake were also added to this shapefile.

I would like to take this opportunity to remind you of the terms of the data request license, which you agreed upon in order to submit your request. The license agreement states "Data and data products received from the Kentucky State Nature Preserves Commission, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Kentucky State Nature Preserves Commission." The exact location of plants, animals, and natural communities, if released by the Kentucky State Nature Preserves Commission, may not be released in any document or correspondence. These products are provided on a temporary basis for the express project (described above) of the requester, and may not be redistributed, resold or copied without the written permission of the Kentucky State Nature Preserves Commission's Data Manager (801 Schenkel Lane, Frankfort, KY, 40601. Phone: (502) 573-2886).

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question.

They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. We would greatly appreciate receiving any pertinent information obtained as a result of on-site surveys.

If you have any questions or if I can be of further assistance, please do not hesitate to contact me.

Sincerely,

Sara Hines
Data Manager

Enclosures: via email: shapefiles

Donald S. Dott, Jr.
Director



Ernie Fletcher
Governor

Commonwealth of Kentucky
Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort, Kentucky 40601-1403
502-573-2886 Voice
502-573-2355 Fax

November 8, 2004

Joe Settles
East Kentucky Power Cooperative
4775 Lexington Rd PO Box 707
Winchester, KY 40392-0707

Data Request 05-029

Dear Mr. Settles:

This letter is in response to your data request of October 27, 2004 for the proposed 90 mile transmission corridor in the Bowling Green area project-refined corridor. We have reviewed our Natural Heritage Program Database for known Indiana bat and gray bat element occurrences within the corridor in Barren, Edmonson & Warren Counties. Please note that this information is being provided for the use of East Kentucky Power or its contractors expressly for the project named above.

Known Indiana bat and gray bat element occurrences, are included as generalized shapes. We also have included for your planning purposes a shapefile of the escarpment which we feel is a likely area for further discoveries of Indiana and gray bat caves.

I would like to take this opportunity to remind you of the terms of the data request license, which you agreed upon in order to submit your request. The license agreement states "Data and data products received from the Kentucky State Nature Preserves Commission, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Kentucky State Nature Preserves Commission." The exact location of plants, animals, and natural communities, if released by the Kentucky State Nature Preserves Commission, may not be released in any document or correspondence. These products are provided on a temporary basis for the express project (described above) of the requester, and may not be redistributed, resold or copied without the written permission of the Kentucky State Nature Preserves Commission's Data Manager (801 Schenkel Lane, Frankfort, KY, 40601. Phone: (502) 573-2886).

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In

Data Request 05-029

November 8, 2004

Page 2

most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question.

They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. We would greatly appreciate receiving any pertinent information obtained as a result of on-site surveys.

If you have any questions or if I can be of further assistance, please do not hesitate to contact me.

Sincerely,

Sara Hines
Data Manager

Enclosures: via email, shapefiles



The Official State Government Web Site
of the Commonwealth of Kentucky



Your request has been submitted! Thank You!

Here is the information you sent.

**Kentucky State Nature
Preserves Commission**
801 Schenkel Lane
Frankfort, KY 40601
Phone: (502)573-2886

Send comments or
questions about this site to:
Sara Hines



Department for Natural
Resources



Natural Resources and
Environmental Protection
Cabinet

Contact Information	
Name:	Joe Settles
Affiliation:	East Kentucky Power Cooperative
Email Address:	joe.settles@ekpc.coop
Phone Number:	859-745-9256
Address:	4775 Lexington Road Winchester, KY 40391
Project Information	
Project:	Warren Transmission Projects
Project Description:	These project corridors are associated with new transmission projects associated with connection to the Warren RECC transmission system. The corridors are 1/2 mile study corridors. The transmission lines will be located somewhere within these half mile corridors. Approximately 1/2 of the proposed lines will parallel existing transmission lines or will consist of upgrading existing lines. EKPC would like to request the locations of all rare species within 1 mile of each side of the proposed corridor. If possible we would like to receive as much of the data as a shape file.
Search Area:	The proposed corridors will follow as an attachment in an email.
Services Requested and Desired Format	
You have selected the Standard Occurrence Report option.	
You have stated that you need the report Within the next 2 weeks.	

You have selected email as a mode of delivery.

You have selected Email/Word as your desired report format.

NREPC Disclaimer

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KSNPC.
All rights reserved.

We will be contacting you by phone at the number listed above for confirmation.

If the above number is incorrect, or if you have not received a confirmation call within 24 hours of submission, please contact KSNPC at (502) 573-2886

Joe Settles

From: Sara.Hines@ky.gov
Sent: Friday, June 17, 2005 11:41 AM
To: Joe Settles
Subject: Warren Transmission Projects



dr05-090ATT7209

.zip 9.txt

Joe,

Here is the information you requested for the Warren Transmission Projects corridors. I'm sorry that this took so long to analyze. We are providing two shapefile of the element occurrences within 1 mile of the supplied corridors. The shapefile "eos_1mile", does not depict all associated known source points that make up an occurrence, the supplied shape is a buffered shape based on the centrum of all associated sources. So I also included the file "points_1mile" that includes a bit more detail of the multiple source shapes that can make up the occurrences. The shapefiles are in the singlezone projection for Kentucky.

Let me know if you have any questions or need further information after you look at this.

<<dr05-090.zip>>

Sara Hines
Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort KY 40601
Ph. (502) 573-2886 ext. 129
Fax (502) 573-2355
www.naturepreserves.ky.gov

Donald S. Dott, Jr.
Director



Ernie Fletcher
Governor

Commonwealth of Kentucky
Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort, Kentucky 40601-1403
502-573-2886 Voice
502-573-2355 Fax

September 14, 2005

Joe Settles
East Kentucky Power Cooperative
4775 Lexington Road
Winchester, KY 40391

Data Request 05-090

Dear Mr. Settles:

This letter is in response to your data request of May 24, 2005 for the Warren Transmission Projects. We have reviewed our Natural Heritage Program Database to determine if any of the endangered, threatened, or special concern plants and animals or exemplary natural communities monitored by the Kentucky State Nature Preserves Commission occur near the project area on the Bowling Green North, Bowling Green South, Bristow, Cromwell, Equality, Flener, Glasgow North, Hadley, Hartford, Morgantown, Paradise, Park City, Rockfield, Smiths Grove, and Sugar Grove USGS Quadrangles, as shown on the shapefile provided to us. Based on our most current information, we have determined that three hundred thirty-seven occurrences of the plants or animals and two occurrences of the exemplary natural communities that are monitored by KSNPC are reported as occurring in the specified area and associated buffer areas. Please see the attached reports for more information.

All records that have any of their buffered shape intersecting a 1-mile buffer of the project area are included on the enclosed report. Associated aquatic records and federally listed plus candidates are supplied based on a 5-mile buffer of the project area. Associated bird and mammal records are supplied based on a 10-mile buffer of the project area.

Your project area is within the boundaries of an area known as the Green River Bioreserve, a system of surface and subterranean aquatic habitats comprising the recharge area of the Green River and associated Mammoth Cave systems. This is the fourth-most important site nationally for the conservation of rare aquatic organisms and biodiversity. It includes the largest number of imperiled aquatic organisms in Kentucky. Federal, state, private entities, and the public are working together to protect this important area.

Another of our highest-ranked ecological sites, the Lower Barren River, is within one mile of the project. This site supports many rare organisms, and is significant because of the diverse aquatic fauna, including fishes and mussels, some of which are federally listed or have candidate status.

Palaemonias ganteri (Mammoth Cave shrimp, federally listed endangered, KSNPC endangered) is known to occur within the project area. Much of the eastern portion of the project is located within a karst landscape characterized by numerous sinkholes, underground conduits, or caves. Construction disturbance or release of pollutants within the specified area could easily cause contamination of groundwater. Caves in this area are associated with sensitive ecosystems that are known to provide habitat for a number of rare or endangered species. Cave organisms are heavily dependent on water quality, and steps should be taken to avoid introducing contaminants into the water system.

Aquatic species and habitats in the area are sensitive to increased turbidity, sediment, and other adverse influences on water quality. A written erosion control plan should be developed that includes stringent erosion control methods (i.e., straw bales, silt fences and erosion mats, immediate seeding and mulching of disturbed areas), which are placed in a staggered manner to provide several stages of control. All erosion control measures should be monitored periodically to ensure that they are functioning as planned. Our data are not sufficient to guarantee absence of endangered, threatened or sensitive species from the sites of proposed construction disturbance. We recommend that impacted streams be thoroughly surveyed by a qualified biologist prior to any in-stream disturbance.

This project as planned goes through one or more large forest blocks. KSNPC is now monitoring large forest blocks, which are defined as 900 or more acres of contiguous forest in areas west of the Cumberland Plateau, and 4500 or more contiguous acres in areas east of the Cumberland Plateau. Large forest blocks were determined using the best available data at this time. Technical review is currently in progress. Forest fragmentation is one of the primary impacts to plants and animals that require large tracts of forest for all parts of their life cycles. Fragmenting or impacting large forest blocks should be avoided.

Helianthus eggertii (Eggert's sunflower, federally listed threatened, KSNPC threatened) is a species that occurs within the search area. Eggert's sunflower occurs in the Interior Low Plateau region of Kentucky. Typical habitat for this species includes barrens, open Oak-Hickory woodlands, forest edges, rocky hillsides, and roadside remnants of these habitats. A thorough search by a qualified biologist of the above habitat types during the flowering period is recommended before any activity that may cause disturbance occurs.

You should be aware that Butler and Ohio Counties lie within that portion of Kentucky recently designated as habitat for the Copperbelly water snake (*Nerodia erythrogaster neglecta*, KSNPC Special Concern). This region is subject to conditions outlined in the Copperbelly Water Snake Conservation Agreement and is being overseen in Kentucky by the Department of Fish and Wildlife Resources in cooperation with the U.S. Fish and Wildlife Service. The project sponsor should contact Mr. Mike Hardin, Wildlife Division, KDFWR to coordinate measures that will assess

potential impacts to the Copperbelly water snake and opportunities for mitigative measures to improve habitat for the snake.

Corynorhinus rafinesquii (Rafinesque's big-eared bat, KSNPC special concern), *Myotis grisescens* (Gray myotis, federally listed endangered, KSNPC threatened), *Myotis leibii* (Eastern small-footed myotis KSNPC threatened), *Myotis austroriparius* (Southeastern myotis, KSNPC threatened), and *Myotis sodalis* (Indiana myotis, federally listed endangered, KSNPC endangered) are found within ten miles of the project area. A thorough survey for this species should be conducted by a qualified biologist if suitable habitat will be disturbed. The survey should include a search for potential roost and winter sites, and a mistnetting census at numerous points within the proposed corridor, particularly in preferred summer habitat. Summer foraging habitats include upland forests, bottomland forests and riparian corridors. Suitable roost and winter sites include sandstone and limestone caves, rockhouses, cliffhines, auger holes, and abandoned mines. In order to avoid impacts to bats, bottomland forests and riparian corridors, particularly near caves, should not be disturbed.

Nycticeius humeralis (Evening Bat, KSNPC special concern) also occurs within ten miles of the corridor. Summer habitats include bottomland forests, swamps, and riparian corridors. In order to avoid impacts to bats, a thorough survey should be conducted. The survey should include a search for potential roost and winter sites, and a mistnetting census at numerous points within the proposed corridor, particularly in preferred summer habitat.

I would like to take this opportunity to remind you of the terms of the data request license, which you agreed upon in order to submit your request. The license agreement states "Data and data products received from the Kentucky State Nature Preserves Commission, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Kentucky State Nature Preserves Commission." The exact location of plants, animals, and natural communities, if released by the Kentucky State Nature Preserves Commission, may not be released in any document or correspondence. These products are provided on a temporary basis for the express project (described above) of the requester, and may not be redistributed, resold or copied without the written permission of the Kentucky State Nature Preserves Commission's Data Manager (801 Schenkel Lane, Frankfort, KY, 40601. Phone: (502) 573-2886).

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Data Request 05-090
September 14, 2005
Page 4

If you have any questions or if I can be of further assistance, please do not hesitate to contact me.

Sincerely,

Sara Hines
Data Manager

SLD/SGH

Enclosures: Data Reports and Interpretation Key, shapefiles

Mr. Travis Johnson
P. O. Box 4500
Bowling Green, KY 42102

Dear Travis,

The following is a list of the bat species that were encountered at Flint Knob on July 19 and 20, 2005. All bats were captured in mist nets within the unnamed dirt/gravel road corridor that traverses the knob from the southern access point at Flint Knob Road, across the knob to the north. Nets were placed on the road corridor near the top of the knob capturing five bats of four species. These bats are all typical species found in Kentucky, especially within the cave regions of the south-central portions of the state.

Bats Captured:

19 July 2005 – Eastern Red Bat (*Lasiurus borealis*) – 2 juveniles

19 July 2005 – Big Brown Bat (*Eptesicus fuscus*) – 1 adult

19 July 2005 – Little Brown Bat (*Myotis lucifugus*) – 1 juvenile

20 July 2005 – Gray Bat (*Myotis grisescens*) – 1 juvenile

I would again like to thank you for all the help that you provided in allowing us to access the knob for our survey, and the first hand knowledge of the area was also extremely helpful. I would also like to pass along thanks to Mr. Kevin Westray for his willingness to help us on this project. I have enclosed a book on the Bats of the United States and a book on the Oaks of Eastern North America, along with a set of nature posters that we use for our environmental education programs.

If you have any further questions please feel free to contact me at josh.young@ekpc.coop or on my cell phone at (859) 749-0553.

Thank you,

Josh Young
Biologist

Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Thursday, July 14, 2005 5:53 PM
To: Joe Settles
Subject: Warren Project Maps

Joe,

As discussed during our telephone conversation today, I would keep each of the small projects within the proposed Warren Trans. Project completely separate from each other and eliminate any references that the smaller projects are a part of a larger project, such as, *Project Area I, Project Area II. etc.* RUS made the determination that they were separate projects so let's treat them that way!!!! For example, the GM to Memphis Junction Project - produce a key for the topo. maps for just this project and eliminate any reference to Project Area II. For the purposes of the EA it is NOT Project Area II. I would also like to see a PROJECT AREA LOCATION MAP similar to the one we put in the Draft Big Creek EA that would show the location of the project area for the GM to Memphis Junction Project in relation to a larger area of the State with the counties identified. Additionally, the map labels should probably read **New, New Paralleling Existing, and Rebuild** so that the reader can easily determine that the proposed new line would be paralleling an existing transmission line along those sections so identified.

If you have any questions, give me a call.

Later,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

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Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Monday, August 29, 2005 4:12 PM
To: Joe Settles; Josh Young; Dominic Ballard; Ronnie Terrill; Geneva Flannery
Subject: GM to Memphis Junction Transmission Line

Attached is the schedule for the EA preparation and approval related to the subject project. Based on the review times and lack of responses to e-mail and voice mail messages currently being experienced at RUS since Bob Quigel's departure, I've added a considerable amount of review time for RUS. Should RUS's review of documentation occur in a more timely manner than what is anticipated, the EA could be approved sooner.

Should any of you have any questions, give me a call or send me an e-mail.

Thanks,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

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SCHEDULE FOR GM TO MEMPHIS JCT. TRANS. PROJECT

- 8/29/05 - Submission of draft project description to EKPC for review and comment;
- 9/5/05 - Submission of project description to responsible agencies for review and comment;
- 10/7/05 - Agency 30-day comment period expires;
- 11/1/05 - Submission of draft EA to EKPC for review and comment;
- 11/14/05 - Submission of draft EA to RUS for review and comment;
- 12/15/10 - RUS comments on draft EA received;
- 1/15/05 - Submission of final EA to RUS for review;
- 2/1/05 - Placement of advertisement and legal notices in newspapers local to the project area announcing 30-day public comment period;
- 3/2/05 - Public comment period expires; and
- 4/3/05 - RUS prepares FONSI, and final advertisement and legal notices placed in newspapers local to the project area announcing RUS final environmental determination regarding the proposed project.

NOTE: Project can proceed as soon as final notices are published in newspapers.

Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Wednesday, August 31, 2005 9:44 AM
To: Ronnie Terrill
Cc: Joe Settles; Dominic Ballard
Subject: Memphis Jct. to Aberdeen

Ronnie,

I have the following questions regarding the subject electric line project:

- Total length of the line?
- Proposed ROW width?
- Length of the northern new section to be constructed around Morgantown?
- Length of the middle rebuild section?
- Length of the southern new section to be constructed?
- Will any sections of the proposed new line be double circuit?
- Will any of the proposed new line parallel existing transmission lines?
- Average height of poles aboveground?
- Average span length?
- Number of support pole structures to be installed?
- Size of existing line to be rebuilt - kV, double or single circuit?
 - type of existing support structures?
 - existing ROW width?
 - average height of existing support structures aboveground?
- Total cost of construction?
- Would access roads be limited to the existing roads in the area and the existing and proposed ROWs?
- Percentage of proposed route requiring clearing?

As soon as I receive the answers to these questions I will develop a draft project description for your review.

Thanks,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

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9/14/2005

Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Wednesday, August 31, 2005 2:11 PM
To: Dominic Ballard
Cc: Joe Settles
Subject: GM to Memphis Jct.

Dominic,

Take a look at the changes that I made in the attached project description based upon your recommendations and get back to me. If you can get back to me later today or early tomorrow morning I'll be able to get it out to the agencies for comment tomorrow.

Later,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

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1.0 INTRODUCTION

East Kentucky Power Cooperative (EKPC) of Winchester, Kentucky is a non-profit electric generation and transmission cooperative headquartered in Winchester, Kentucky that provides electric power to 16 locally based electric distribution cooperatives. The distribution cooperatives distribute power to over 489,000 electric consumers in 89 counties located across the central and eastern portions of Kentucky. EKPC has requested financing from the U.S. Department of Agriculture (USDA), Rural Utility Service (RUS) to construct and maintain a 161 kilovolt (kV) electric transmission line in central Warren County, Kentucky. RUS must complete an environmental analysis and prepare an Environmental Assessment (EA) in accordance with its *Environmental Policy and Procedures for Implementing the National Environmental Policy Act* (7 CFR Part 1794), prior to approving the financing assistance for the proposed project.

GILPIN GROUP - Environmental Consulting & Planning of Wellsville, New York has been contracted by EKPC to conduct an environmental investigation and analysis, and prepare a report that can be adopted by the RUS as an EA to meet their environmental regulations for complying with the *National Environmental Policy Act of 1969*. The EA will serve as a detailed written record of the environmental analysis completed for the proposed project and will be used to determine whether preparation of an Environmental Impact Statement is necessary.

2.0 PROPOSED ACTION & FEDERAL DECISION TO BE MADE

EKPC has requested financing assistance from RUS for the proposed construction of an electric transmission line in central Warren County, Kentucky. The proposed federal

action related to EKPC's proposed electric project would be RUS's granting of financing assistance for the construction of the proposed facilities. RUS's decision to be made based on the environmental analysis outlined in the EA would be whether to implement the proposed action and grant the financing assistance for the construction of the proposed transmission line.

3.0 PROJECT DESCRIPTION

The proposed GM to Memphis Junction Electric Transmission Line would be designed for 161 kilovolt (kV) operation and would be 15.21 miles in length. The new transmission line would be supported by 195 single, and H-frame double and triple Corten tubular steel pole structures that would range in height from 95 to 100 feet aboveground. The average span between support structures would be 600 feet. The majority of the proposed new transmission line would be constructed to double circuit specifications but would be operated as a single circuit line until the electric load in the area warrants operation of the second circuit. However, roughly one quarter of the proposed line would be constructed as single circuit.

Construction of the new line would involve rebuilding of a 5.17 mile section of existing double circuit 69 kV transmission line and a 3.39 mile section of existing single circuit 69 kV transmission line, both supported by single wood pole structures on existing 100 foot wide ROWs. The existing lines within these two sections would be dismantled and replaced by the proposed new transmission line. The proposed new line would be located on the existing 100 foot wide ROWs within these two sections and would not require any additional ROW width. The balance of the proposed new line would be new construction, 2.41 miles of which would require a new 100 foot wide ROW and would parallel an existing

electric transmission line, and 4.24 miles of which would require a new 100 foot wide ROW, 50 feet of which would be shared with another proposed new electric transmission line. The ROW for the proposed transmission line would encompass approximately 184.4 acres of land, of which 118.4 acres would utilize existing ROWs. The total estimated cost of constructing the proposed new transmission line would be \$5,900,000.

3.1 PROJECT LOCATION

The proposed project area is located in central Warren County, Kentucky (See *Project Area Location Map*, Page 4). The proposed route for the new electric transmission line extends westerly following an existing electric utility line ROW from an existing automotive assembly plant located east of Bowling Green, Kentucky to an existing electric generating station located on the southern side of the Barren River in northern Bowling Green. The proposed route then extends in a general southwesterly direction paralleling an existing electric transmission line from the generating station and following an existing electric transmission line ROW to a point where the route extends due south to connect to an existing electric substation southwest of Bowling Green (See PROJECT REFERENCE MAPS, Appendix A).

4.0 CONSTRUCTION & MAINTENANCE PROCEDURES

4.1 Construction

The construction of the proposed electric transmission line is tentatively scheduled to begin in the early spring of 2006 and the estimated duration of construction would be 10 months. EKPC has determined that clearing would be required on approximately 17 percent of the proposed route for the new electric line. During the clearing of the proposed route,

Insert – *PROJECT AREA LOCATION MAP*

Insert – *RIGHT-OF-WAY CLEARING GUIDE*

brush, trees and old stumps within the designated ROW would be cut to a maximum height of four inches aboveground using chainsaws, bulldozers and/or excavators. Merchantable trees cut from the proposed ROW may be cut into commercial lengths and piled along the ROW for the landowner to utilize or sell. Trees may also be disposed of, left where they fall, windrowed, chipped or scattered depending on the requests of the landowners. Dead or living trees outside the transmission line ROW that could fall within five feet of a point underneath the outside conductor (hazard tree) would be cut to protect the line from electrical outages caused by falling trees and branches during high wind and storm events (See *Right-Of-Way Clearing Guide*, p. 5). Individual trees located within sections of the proposed ROW that are not cleared may also be cut if they threaten to come into contact with the electrical conductors. The holes for the transmission line support structures would be mechanically dug and the poles placed using a digger/derrick truck. The diameter of the augered holes would be three to four feet in width and the holes for the poles would be backfilled with a dense grade material. The dirt taken from the hole would be disposed of or spread around the structure. The electrical conductor would be strung using a pulley system along with a truck mounted conductor spool and tensioner, or a helicopter. Appropriate soil erosion and sedimentation control procedures, such as seeding and mulching, and/or the utilization of berms, staked straw bales and silt fences, would be implemented during and after the construction of the proposed transmission line in areas denuded of vegetation.

Access to and from the transmission line ROW during construction and maintenance procedures would be from public and private roads in the project area. Prior to the use of any private roads, permission would be obtained from the property owner either by EKPC or its agent. Construction of access roads to reach transmission support structures locations would

be limited to the proposed ROW and off-road travel along the proposed transmission line route would be limited to the ROW, to the maximum extent practicable. The access roads would be 12 feet in width and would be constructed with the assistance of heavy equipment, such as a bulldozer or skidder. Erosion would be controlled along the new access roads by applying seed, lime, fertilizer and mulch to exposed soil areas. Water bars and dips would also be installed in the roads along with silt fences and staked straw bales to aid in preventing erosion. Gravel or crushed stone would be applied to road surfaces, as needed, to prevent rutting. Once construction of the proposed transmission line is completed, the new access roads would either be left open, or closed to the public by means of earthen berms or keyed gates placed at the entrance of the roads, according to the direction of the landowners involved.

4.2 Maintenance

Once constructed, the proposed transmission line would be aerially inspected three times a year and would be ground inspected once every four years by walking the ROW. The minimum electrical clearances maintained from the transmission line conductors to the ground underneath the conductors would be 25 feet. As previously described, during the establishment of the proposed ROW all brush and woody-stemmed vegetation would be cut to a maximum height of four inches aboveground. Upon completion of the ROW clearing and construction activities, the vegetation within the ROW would be permitted to grow for one to two years and subsequently treated with a herbicide approved for such use by the U.S. Environmental Protection Agency. The herbicides would be applied according to label directions by licensed applicators. This initial herbicide treatment would be performed using a foliar application method during the months of May through October. The foliar method of

application utilizes herbicide spray that is applied directly onto the leaves of non-desirable vegetation during the growing season when the plants are in full leaf.

Following the initial herbicide treatment the woody-stemmed vegetation occurring within the ROW would be treated with an approved herbicide every three to four years, depending on the rate of vegetation growth. Vegetation may also be cut in order to bring it back to the size where it can be effectively treated with herbicides should an area be missed during the maintenance cycle or should excessive vegetation growth take place between the maintenance cycles. Dead or living trees outside the transmission line ROW that could fall within five feet of a point underneath the outside conductor (hazard tree) would also be cut to protect the line from electrical outages caused by falling trees and branches during high wind and storm events.

Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Wednesday, August 31, 2005 4:27 PM
To: Joe Settles
Subject: GM to Memphis Jct.

Joe,

Attached is an updated copy of the project description with the current information regarding acreage, mileage , etc.

Gary...

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Joe Settles

From: Ronnie Terrill
Sent: Thursday, September 01, 2005 1:30 PM
To: 'GILPIN GROUP - Environmental Consulting'
Cc: Dominic Ballard; Thad Mumm; Joe Settles
Subject: RE: Memphis Jct. to Aberdeen

Gary,

Here you go. If you can't read the word document, let me know.

Ronnie

-----Original Message-----

From: GILPIN GROUP - Environmental Consulting [mailto:gilpin@eznet.net]
Sent: Wednesday, August 31, 2005 9:44 AM
To: Ronnie Terrill
Cc: Joe Settles; Dominic Ballard
Subject: Memphis Jct. to Aberdeen

Ronnie,

I have the following questions regarding the subject electric line project:

- Total length of the line?
- Proposed ROW width?
- Length of the northern new section to be constructed around Morgantown?
- Length of the middle rebuild section?
- Length of the southern new section to be constructed?
- Will any sections of the proposed new line be double circuit?
- Will any of the proposed new line parallel existing transmission lines?
- Average height of poles aboveground?
- Average span length?
- Number of support pole structures to be installed?
- Size of existing line to be rebuilt - kV, double or single circuit?
 - type of existing support structures?
 - existing ROW width?
 - average height of existing support structures aboveground?
- Total cost of construction?
- Would access roads be limited to the existing roads in the area and the existing and proposed ROWs?
- Percentage of proposed route requiring clearing?

As soon as I receive the answers to these questions I will develop a draft project description for your review.

9/14/2005

Thanks,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

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Memphis Jct – Aberdeen

This section is broken into 4 different sections:

Memphis Jct – West Bowling Green Jct

This section is 4.19 miles and will be a 161 and 69kv double circuit on a new 100' wide right-of-way (50' of which will be shared) parallel to the GM – Memphis Jct section.

West Bowling Green Jct – Natcher Pkwy Jct

This section is 5.04 miles and will be a single circuit 161kv on a new 100' wide right-of-way.

Natcher Pkwy Jct – Morgantown Jct

This section is 14.09 miles and will be a single circuit 161kv. This section will be a rebuild of WRECC's Bowling Green – Morgantown line. The existing right-of-way is 75' and we are purchasing and additional 12.5' on either side to make it a 100' wide right-of-way. The section of the existing line between the Natcher Pkwy Jct and the Bowling Green Substation (approximately 5 miles) will be removed.

Morgantown Jct – Aberdeen

This section is 4.25 miles and will be 161 and 69kv double circuit on a new 100' wide right-of-way.

Total Length: 27.57 miles

Proposed R/W width: varies, see above

Length of the northern section to be constructed around Morgantown: this is the Morgantown Jct – Aberdeen section, see above.

Length of the middle rebuild section: this is the Natcher Pkwy Jct – Morgantown Jct section, see above.

Length of the southern new section to be constructed: this is the Memphis Jct – West Bowling Green section and the West Bowling Green – Natcher Pkwy Jct section, see above.

Will any sections of the proposed new line be double circuit: yes, the Memphis Jct – West Bowling Green Jct and the Morgantown Jct – Aberdeen sections will be 161/69kv double circuit.

Will any of the proposed new line parallel existing transmission lines: no, but, the section from Memphis Jct – West Bowling Green Jct will parallel the GM – Memphis Jct line.

Average height of poles above ground: the average height above ground for the entire line will be 85.

Average span length: the average span length for the entire line will be 700'.

Number of support pole structures to be installed: on the Memphis Jct – West Bowling Green Jct and West Bowling Green Jct – Natcher Pkwy Jct sections, we don't have a design yet. Approximately 70 structures will be need on these 2 sections. On the Natcher Pkwy Jct – Morgantown Jct and the Morgantown Jct – Aberdeen sections, we have a total of 145 structures. The approximate total for the entire line is 215.

Description of existing line to be rebuilt: the Bowling Green – Morgantown line will be rebuilt as the Natcher Pkwy Jct – Morgantown Jct section of this line. The existing line is a 69kv, single circuit with both single and 2 pole wood structures on a 75' right-of-way. The average height of the structures above ground is 60'.

Total cost of construction: The single circuit sections estimate is \$6,217,250 (19.13 miles x \$325,000 per mile). The double circuit sections estimate is \$3,587,000 (8.44 miles x \$425,000 per mile). The estimate for the entire line is \$9,804,250.

Percentage of proposed route requiring clearing: on the section from Memphis Jct – Natcher Pkwy Jct there will be 6.87 miles that will require clearing. On the Natcher Pkwy Jct – Morgantown Jct rebuild section we will be clearing 12.5' on either side of the already cleared 75'. We will be clearing 9.91 miles on this section. On the Morgantown Jct – Aberdeen section, we will be clearing 3.39 miles.

Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Tuesday, September 06, 2005 10:53 AM
To: Joe Settles; Dominic Ballard; thad.mumm@ekpc.com
Subject: Memphis Jct. to Aberdeen

Gentlemen,

Please review the attached *draft* Project Description for the subject transmission line and provide me with any changes you determine to be appropriate.

Thanks,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

FREE Emoticons for your email! [Click here!](#)



Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Tuesday, September 06, 2005 11:39 AM
To: Dominic Ballard; thad.mumm@ekpc.com
Cc: Joe Settles
Subject: Memphis Jct. - Aberdeen

Gentlemen,

It has been brought to my attention (Joe) that the draft project description previously sent to you for the subject project was attached to the Big Creek document. Therefore, please disregard my last e-mail and review the draft project description attached to this e-mail. As soon as I receive your comments the project description will be sent out to the responsible agencies for comment.

Thanks, or sorry, or whatever,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

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Joe Settles

From: GILPIN GROUP - Environmental Consulting [gilpin@eznet.net]
Sent: Monday, September 12, 2005 10:53 AM
To: Ronnie Terrill; Dominic Ballard
Cc: Joe Settles
Subject: Barren Co. - Oakland - Magna Line

Ronnie,

I have the following questions regarding the subject electric line project:

- Total length of the line?
- Proposed ROW width?
- Length of the eastern new section to be constructed?
- Length of the middle rebuild section?
- Length of western section paralleling the existing trans. line?
- Length of the short new western section to be constructed?
- Will any sections of the proposed new line be double circuit?
- Average height of poles aboveground?
- Average span length?
- Number of support pole structures to be installed?
- Size of existing line to be rebuilt (kV, double or single circuit, etc.)?
 - type of existing support structures?
 - existing ROW width?
 - average height of existing support structures aboveground?
- Total cost of construction?
- Would access roads be limited to the existing roads in the area and the existing and proposed ROWs?
- Percentage of proposed route requiring clearing?

As soon as I receive the answers to these questions I will develop a draft project description for your & Dominic's review.

Thanks,
Gary...

Gary W. Gilpin
Environmental Scientist/Owner
GILPIN GROUP - Environmental Consulting & Planning
(585) 593-5696

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September 1, 2005

2087 Ketchner Road
Wellsville, New York 14895
Phone: (585) 593-5696
E-mail: Gilpin@eznet.net

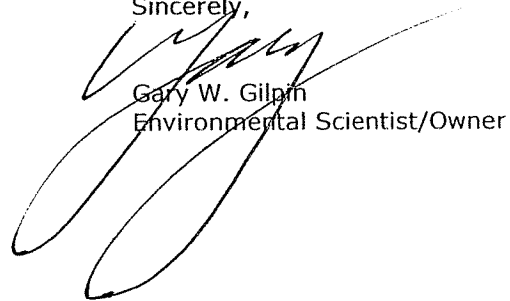
Joe Settles, Supervisor
Natural Resources & Environmental Communication
East Kentucky Power Cooperative
4775 Lexington Road
P.O. Box 707
Winchester, Kentucky 40392-0707

Dear Joe:

Enclosed is a copy of the project description and maps related to the environmental investigation for East Kentucky Power Cooperative's (EKPC) proposed GM to Memphis Junction Electric Transmission Project. Copies of the project description and maps were sent to the responsible agencies requesting comments. Copies of the letters that were directed to the agencies are also enclosed.

I will be contacting you after the 30-day agency comment period has expired to inform you of the status of the environmental investigation. Meanwhile, should you have any questions regarding the investigation or any of the enclosed items, please do not hesitate to contact me at the mailing address, telephone number or e-mail address given above.

Sincerely,



Gary W. Gilpin
Environmental Scientist/Owner

Enclosures

September 1, 2005

2087 Ketchner Road
Wellsville, New York 14895
Phone: (585) 593-5696
E-mail: Gilpin@eznet.net

Brian Smith, Non-Game Coordinator
Kentucky Department of Fish & Wildlife Resources
Arnold L. Mitchell Building
#1 Game Farm Road
Frankfort, Kentucky 40601

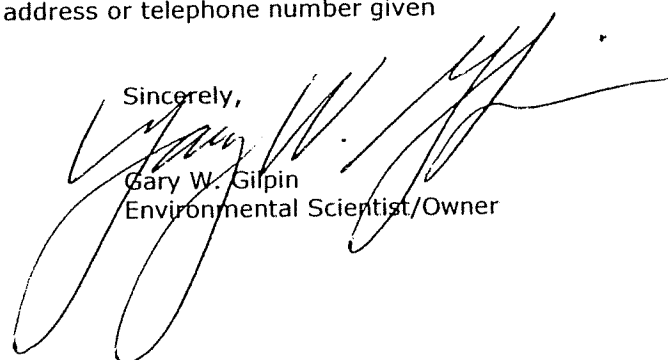
Dear Mr. Smith:

GILPIN GROUP – Environmental Consulting & Planning is in the process of conducting an environmental investigation and preparing an environmental report for East Kentucky Power Cooperative (EKPC) of Winchester, Kentucky to assess the environmental impacts associated with a proposed new electric transmission line in Warren County, Kentucky. The environmental report will be submitted to the USDA, Rural Utilities Service for its independent review and evaluation.

In addition to informing your agency of EKPC's plans, we are soliciting your advice and comments pertaining to the proposed new transmission line as it relates to threatened and endangered species. Any written comments received by your agency will be incorporated into the subject environmental investigation and report. A concise description of the proposed electric line and copies of portions of USGS topographic maps locating the proposed new facility are enclosed for your agency's review.

To avoid unnecessary delays in the planning and construction of the proposed project, we would appreciate receiving your written comments within 30 days. Should you have any questions or need additional information pertaining to the proposed project, please do not hesitate to contact me at the mailing address, e-mail address or telephone number given above.

Sincerely,



Gary W. Gilpin
Environmental Scientist/Owner

cc: Joe Settles, EKPC
Enclosures

September 1, 2005

2087 Ketchner Road
Wellsville, New York 14895
Phone: (585) 593-5696
E-mail: Gilpin@eznet.net

Donald McCallon
District Conservationist
U.S. Natural Conservation Service
925 Lovers Lane
Bowling Green, Kentucky 42103

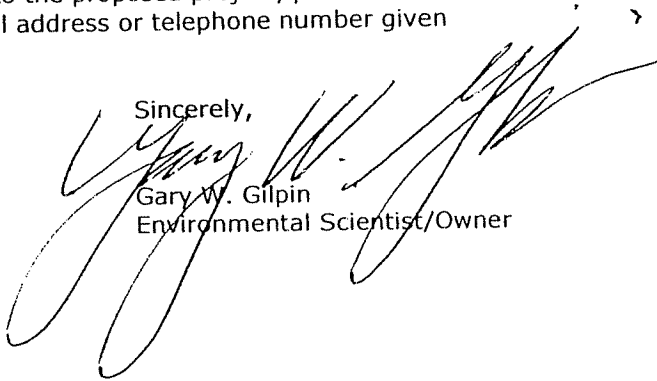
Dear Mr. McCallon:

GILPIN GROUP – Environmental Consulting & Planning is in the process of conducting an environmental investigation and preparing an environmental report for East Kentucky Power Cooperative (EKPC) of Winchester, Kentucky to assess the environmental impacts associated with a proposed new electric transmission line in Warren County, Kentucky. The environmental report will be submitted to the USDA, Rural Utilities Service for its independent review and evaluation.

In addition to informing your agency of EKPC's plans, we are soliciting your advice and comments pertaining to the proposed new transmission line as it relates to prime and important farmland soils. Any written comments received by your agency will be incorporated into the subject environmental investigation and report. A concise description of the proposed electric line and copies of portions of USGS topographic maps locating the proposed new facility are enclosed for your agency's review.

To avoid unnecessary delays in the planning and construction of the proposed project, we would appreciate receiving your written comments within 30 days. Should you have any questions or need additional information pertaining to the proposed project, please do not hesitate to contact me at the mailing address, e-mail address or telephone number given above.

Sincerely,


Gary W. Gilpin
Environmental Scientist/Owner

cc: Joe Settles, EKPC
Enclosures

1983-2005

22

YEARS OF SERVICE

September 1, 2005

2087 Ketchner Road
Wellsville, New York 14895
Phone: (585) 593-5696
E-mail: Gilpin@eznet.net

David L. Morgan
Director and State Historic Preservation Officer
Kentucky Heritage Council
The State Historic Preservation Office
300 Washington Street
Frankfort, Kentucky 40601

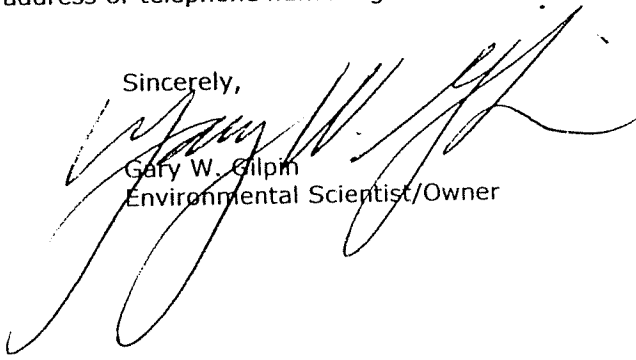
Dear Mr. Morgan:

GILPIN GROUP – Environmental Consulting & Planning is in the process of conducting an environmental investigation and preparing an environmental report for East Kentucky Power Cooperative (EKPC) of Winchester, Kentucky to assess the environmental impacts associated with a proposed new electric transmission line in Warren County, Kentucky. The environmental report will be submitted to the USDA, Rural Utilities Service for its independent review and evaluation.

In addition to informing your agency of EKPC's plans, we are soliciting your advice and comments pertaining to the proposed new transmission line as it relates to properties of historic and archaeological significance currently listed in, or eligible for inclusion in the *National Register of Historic Places*; and any other areas of specific cultural resource concern. Any written comments received by your agency will be incorporated into the subject environmental investigation and report. A concise description of the proposed electric line and copies of portions of USGS topographic maps locating the proposed new facility are enclosed for your agency's review.

To avoid unnecessary delays in the planning and construction of the proposed project, we would appreciate receiving your written comments within 30 days. Should you have any questions or need additional information pertaining to the proposed project, please do not hesitate to contact me at the mailing address, e-mail address or telephone number given above.

Sincerely,


Gary W. Gilpin
Environmental Scientist/Owner

cc: Joe Settles, EKPC
Enclosures

1983-2005

22

YEARS OF SERVICE

1.0 INTRODUCTION

East Kentucky Power Cooperative (EKPC) of Winchester, Kentucky is a non-profit electric generation and transmission cooperative headquartered in Winchester, Kentucky that provides electric power to 16 locally based electric distribution cooperatives. The distribution cooperatives distribute power to over 489,000 electric consumers in 89 counties located across the central and eastern portions of Kentucky. EKPC has requested financing from the U.S. Department of Agriculture (USDA), Rural Utility Service (RUS) to construct and maintain a 161 kilovolt (kV) electric transmission line in central Warren County, Kentucky. RUS must complete an environmental analysis and prepare an Environmental Assessment (EA) in accordance with its *Environmental Policy and Procedures for Implementing the National Environmental Policy Act* (7 CFR Part 1794), prior to approving the financing assistance for the proposed project.

GILPIN GROUP - Environmental Consulting & Planning of Wellsville, New York has been contracted by EKPC to conduct an environmental investigation and analysis, and prepare a report that can be adopted by the RUS as an EA to meet their environmental regulations for complying with the *National Environmental Policy Act of 1969*. The EA will serve as a detailed written record of the environmental analysis completed for the proposed project and will be used to determine whether preparation of an Environmental Impact Statement is necessary.

2.0 PROPOSED ACTION & FEDERAL DECISION TO BE MADE

EKPC has requested financing assistance from RUS for the proposed construction of an electric transmission line in central Warren County, Kentucky. The proposed federal

action related to EKPC's proposed electric project would be RUS's granting of financing assistance for the construction of the proposed facilities. RUS's decision to be made based on the environmental analysis outlined in the EA would be whether to implement the proposed action and grant the financing assistance for the construction of the proposed transmission line.

3.0 PROJECT DESCRIPTION

The proposed GM to Memphis Junction Electric Transmission Line would be designed for 161 kilovolt (kV) operation and would be 15.21 miles in length. The new transmission line would be supported by 195 single, and H-frame double and triple Corten tubular steel pole structures that would range in height from 95 to 100 feet aboveground. The average span between support structures would be 600 feet. The majority of the proposed new transmission line would be constructed to double circuit specifications but would be operated as a single circuit line until the electric load in the area warrants operation of the second circuit. However, roughly one quarter of the proposed line would be constructed as single circuit.

Construction of the new line would involve rebuilding of a 5.17 mile section of existing double circuit 69 kV transmission line and a 3.39 mile section of existing single circuit 69 kV transmission line, both supported by single wood pole structures on existing 100 foot wide ROWs. The existing lines within these two sections would be dismantled and replaced by the proposed new transmission line. The proposed new line would be located on the existing 100 foot wide ROWs within these two sections and would not require any additional ROW width. The balance of the proposed new line would be new construction, 2.41 miles of which would require a new 100 foot wide ROW and would parallel an existing

electric transmission line, and 4.24 miles of which would require a new 100 foot wide ROW, 50 feet of which would be shared with another proposed new electric transmission line. The ROW for the proposed transmission line would encompass approximately 184.4 acres of land, of which 118.4 acres would utilize existing ROWs. The total estimated cost of constructing the proposed new transmission line would be \$5,900,000.

3.1 PROJECT LOCATION

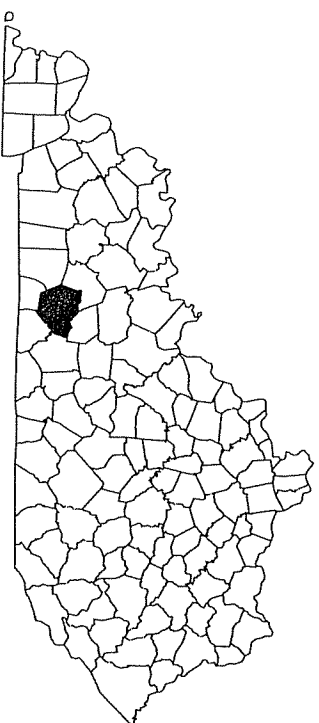
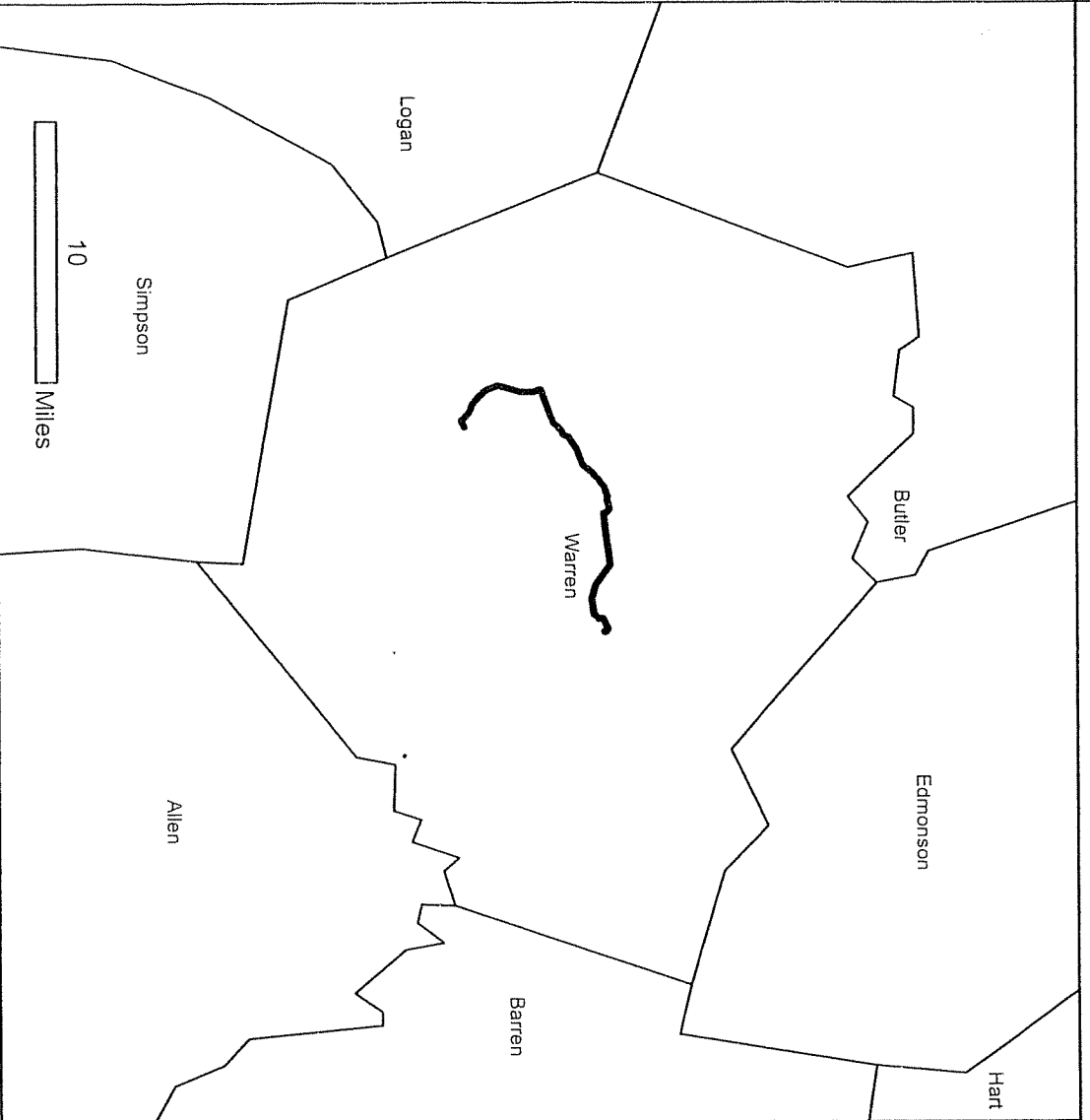
The proposed project area is located in central Warren County, Kentucky (See *Project Area Location Map*, Page 4). The proposed route for the new electric transmission line extends westerly following an existing electric utility line ROW from an existing automotive assembly plant located east of Bowling Green, Kentucky to an existing electric generating station located on the southern side of the Barren River in northern Bowling Green. The proposed route then extends in a general southwesterly direction paralleling an existing electric transmission line from the generating station and following an existing electric transmission line ROW to a point where the route extends due south to connect to an existing electric substation southwest of Bowling Green (See PROJECT REFERENCE MAPS, Appendix A).

4.0 CONSTRUCTION & MAINTENANCE PROCEDURES

4.1 Construction

The construction of the proposed electric transmission line is tentatively scheduled to begin in the early spring of 2006 and the estimated duration of construction would be 10 months. EKPC has determined that clearing would be required on approximately 17 percent of the proposed route for the new electric line. During the clearing of the proposed route,

PROJECT AREA LOCATION MAP

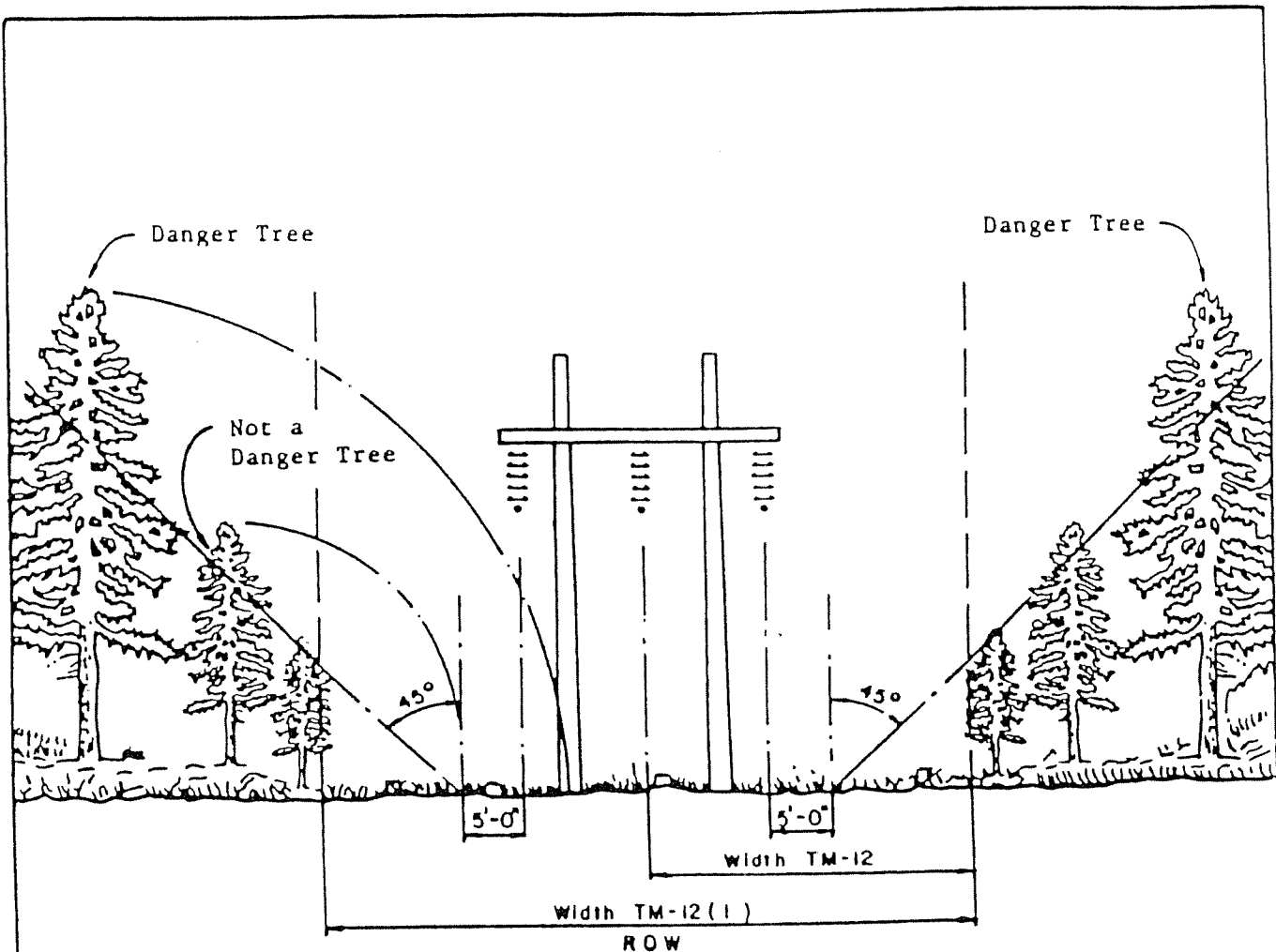


Proposed Transmission
Line Route

GM - Memphis Jct
Proposed 161kV Transmission Line
Warren County, KY
Project No. 21392



EAST KENTUCKY POWER COOPERATIVE
P.O. Box 707
Winchester, KY 40392-0707



NOTES:

1. Engineer will designate all danger trees which shall be removed or topped at option of contractor. In approximately level terrain, trees which would reach within 5 feet of a point underneath the outside conductor in falling are examples of danger trees.
2. As directed by the engineer, portions of the right-of-way (ROW) must be cut so that stumps will not prevent the passage of tractor and trucks along the ROW.
3. The unit for clearing one-half of the ROW is "WIDTH TM-12."
4. The unit for clearing the full ROW is "WIDTH TM-12(1)."
5. The unit for clearing danger trees is "TM-13."

TRANSMISSION ROW CLEARING	
RIGHT-OF-WAY CLEARING GUIDE	
5	Aug., 1986
TM-12, -12(1), -13	

brush, trees and old stumps within the designated ROW would be cut to a maximum height of four inches aboveground using chainsaws, bulldozers and/or excavators. Merchantable trees cut from the proposed ROW may be cut into commercial lengths and piled along the ROW for the landowner to utilize or sell. Trees may also be disposed of, left where they fall, windrowed, chipped or scattered depending on the requests of the landowners. Dead or living trees outside the transmission line ROW that could fall within five feet of a point underneath the outside conductor (hazard tree) would be cut to protect the line from electrical outages caused by falling trees and branches during high wind and storm events (See *Right-Of-Way Clearing Guide*, p. 5). Individual trees located within sections of the proposed ROW that are not cleared may also be cut if they threaten to come into contact with the electrical conductors. The holes for the transmission line support structures would be mechanically dug and the poles placed using a digger/derrick truck. The diameter of the augered holes would be three to four feet in width and the holes for the poles would be backfilled with a dense grade material. The dirt taken from the hole would be disposed of or spread around the structure. The electrical conductor would be strung using a pulley system along with a truck mounted conductor spool and tensioner, or a helicopter. Appropriate soil erosion and sedimentation control procedures, such as seeding and mulching, and/or the utilization of berms, staked straw bales and silt fences, would be implemented during and after the construction of the proposed transmission line in areas denuded of vegetation.

Access to and from the transmission line ROW during construction and maintenance procedures would be from public and private roads in the project area. Prior to the use of any private roads, permission would be obtained from the property owner either by EKPC or its agent. Construction of access roads to reach transmission support structures locations would be limited to the proposed ROW and off-road travel along the proposed transmission line

route would be limited to the ROW, to the maximum extent practicable. The access roads would be 12 feet in width and would be constructed with the assistance of heavy equipment, such as a bulldozer or skidder. Erosion would be controlled along the new access roads by applying seed, lime, fertilizer and mulch to exposed soil areas. Water bars and dips would also be installed in the roads along with silt fences and staked straw bales to aid in preventing erosion. Gravel or crushed stone would be applied to road surfaces, as needed, to prevent rutting. Once construction of the proposed transmission line is completed, the new access roads would either be left open, or closed to the public by means of earthen berms or keyed gates placed at the entrance of the roads, according to the direction of the landowners involved.

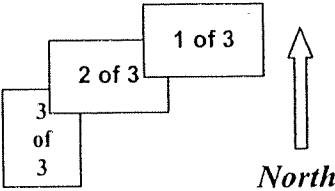
4.2 Maintenance

Once constructed, the proposed transmission line would be aerially inspected three times a year and would be ground inspected once every four years by walking the ROW. The minimum electrical clearances maintained from the transmission line conductors to the ground underneath the conductors would be 25 feet. As previously described, during the establishment of the proposed ROW all brush and woody-stemmed vegetation would be cut to a maximum height of four inches aboveground. Upon completion of the ROW clearing and construction activities, the vegetation within the ROW would be permitted to grow for one to two years and subsequently treated with a herbicide approved for such use by the U.S. Environmental Protection Agency. The herbicides would be applied according to label directions by licensed applicators. This initial herbicide treatment would be performed using a foliar application method during the months of May through October. The foliar method of application utilizes herbicide spray that is applied directly onto the leaves of non-desirable vegetation during the growing season when the plants are in full leaf.

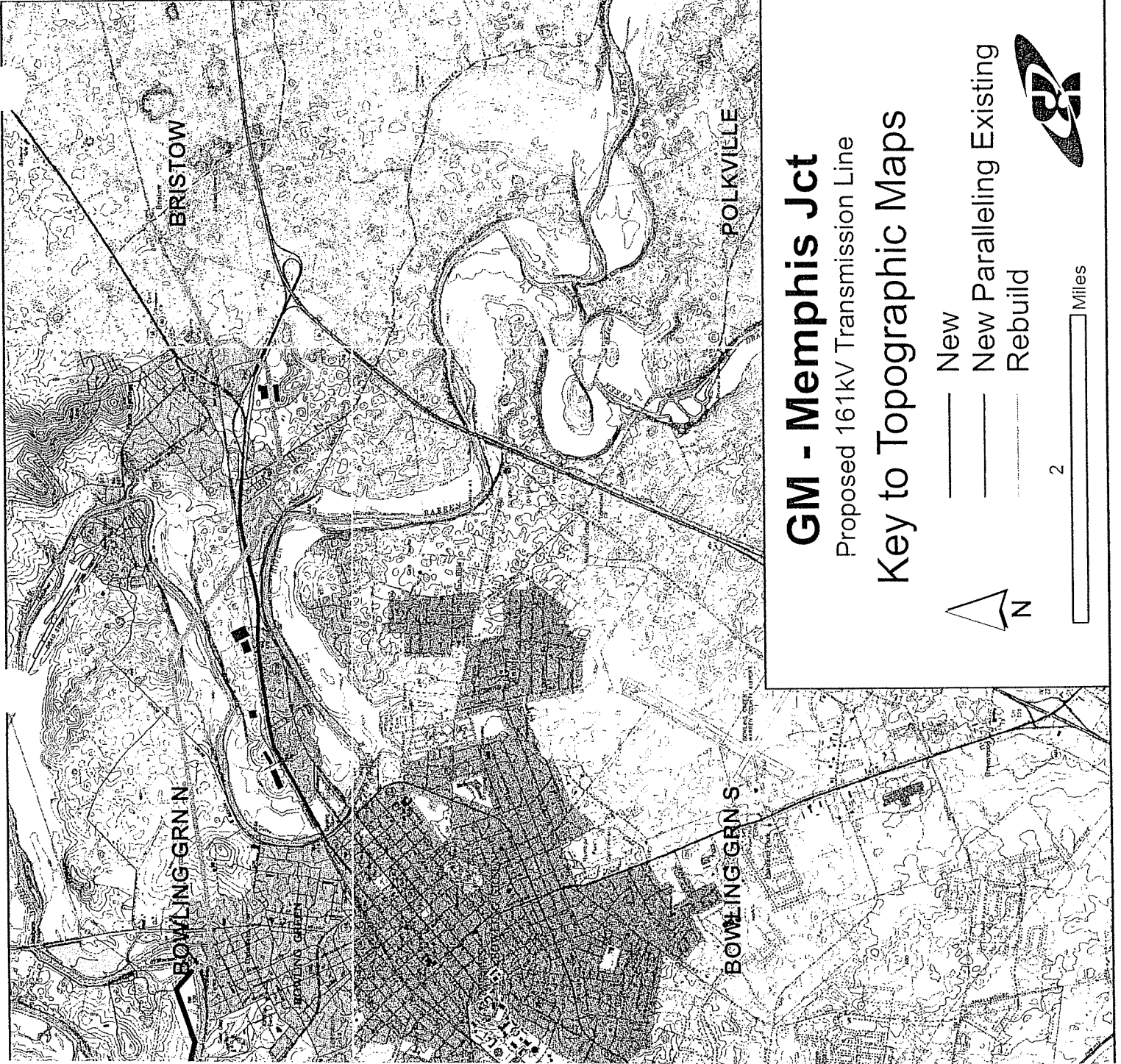
Following the initial herbicide treatment the woody-stemmed vegetation occurring within the ROW would be treated with an approved herbicide every three to four years, depending on the rate of vegetation growth. Vegetation may also be cut in order to bring it back to the size where it can be effectively treated with herbicides should an area be missed during the maintenance cycle or should excessive vegetation growth take place between the maintenance cycles. Dead or living trees outside the transmission line ROW that could fall within five feet of a point underneath the outside conductor (hazard tree) would also be cut to protect the line from electrical outages caused by falling trees and branches during high wind and storm events.

APPENDIX A
PROJECT REFERENCE MAPS

KEY TO PROJECT MAPS



NOTE: The proposed electric transmission line route depicted on the maps contained in this appendix is not drawn to exact scale and is intended for location purposes only.



GM - Memphis Jct

Proposed 161kV Transmission Line

Key to Topographic Maps



— New

— New Paralleling Existing

— Rebuild




2

Miles



GM - Memphis Jct

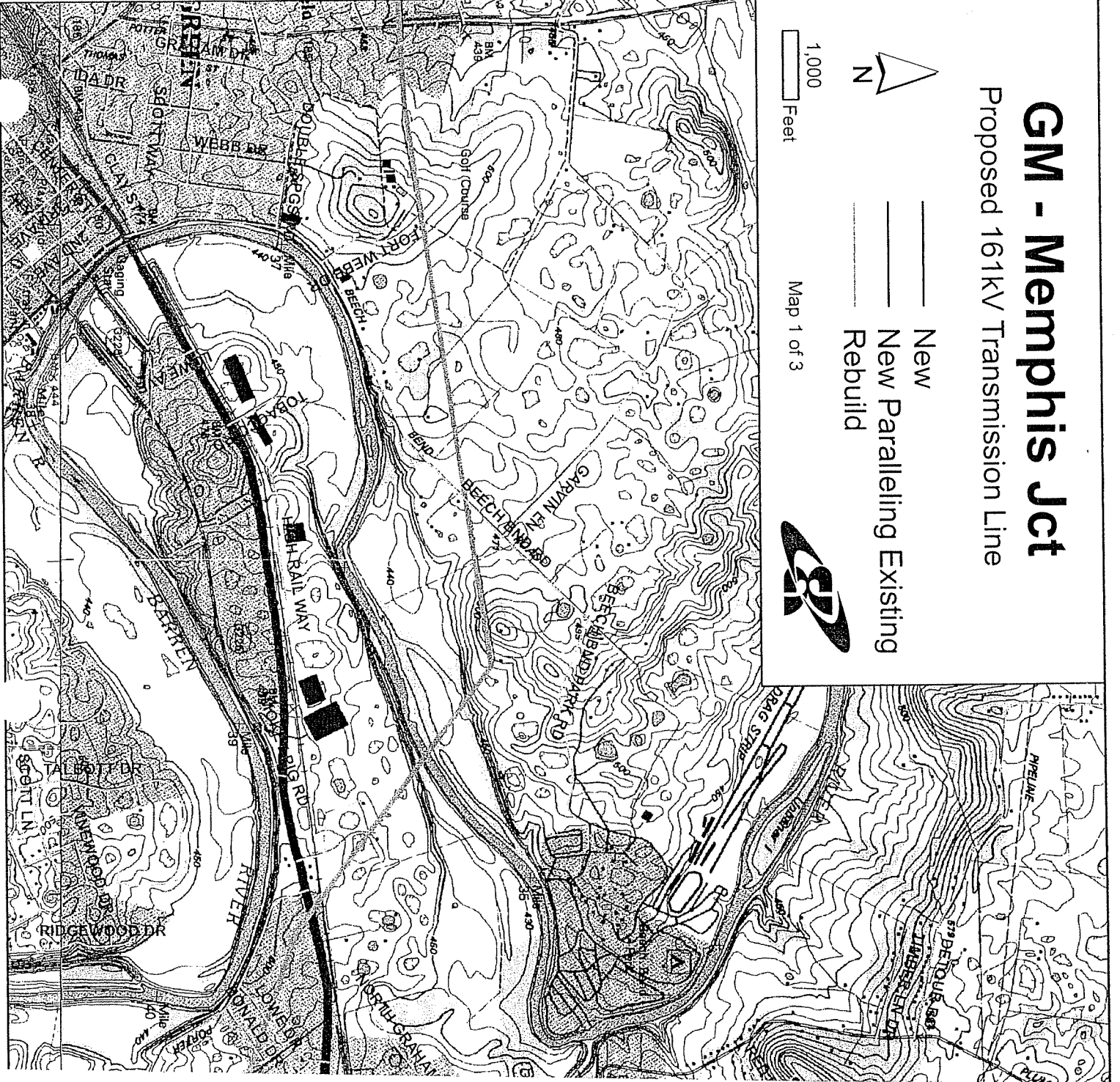
Proposed 161kV Transmission Line

-  New
-  New Paralleling Existing
-  Rebuild




1,000
Feet

Map 1 of 3



GM - Memphis Jct

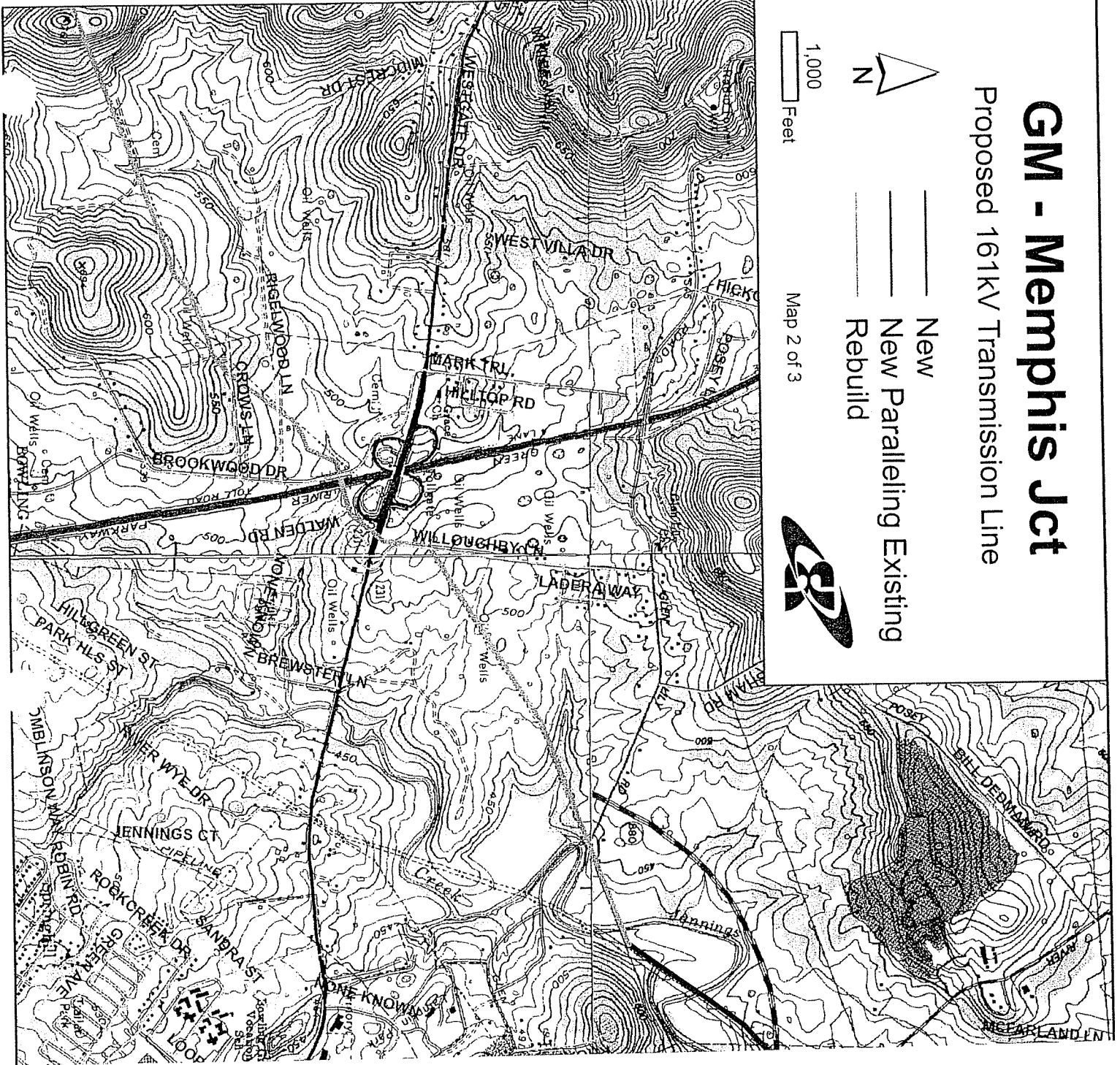
Proposed 161kV Transmission Line

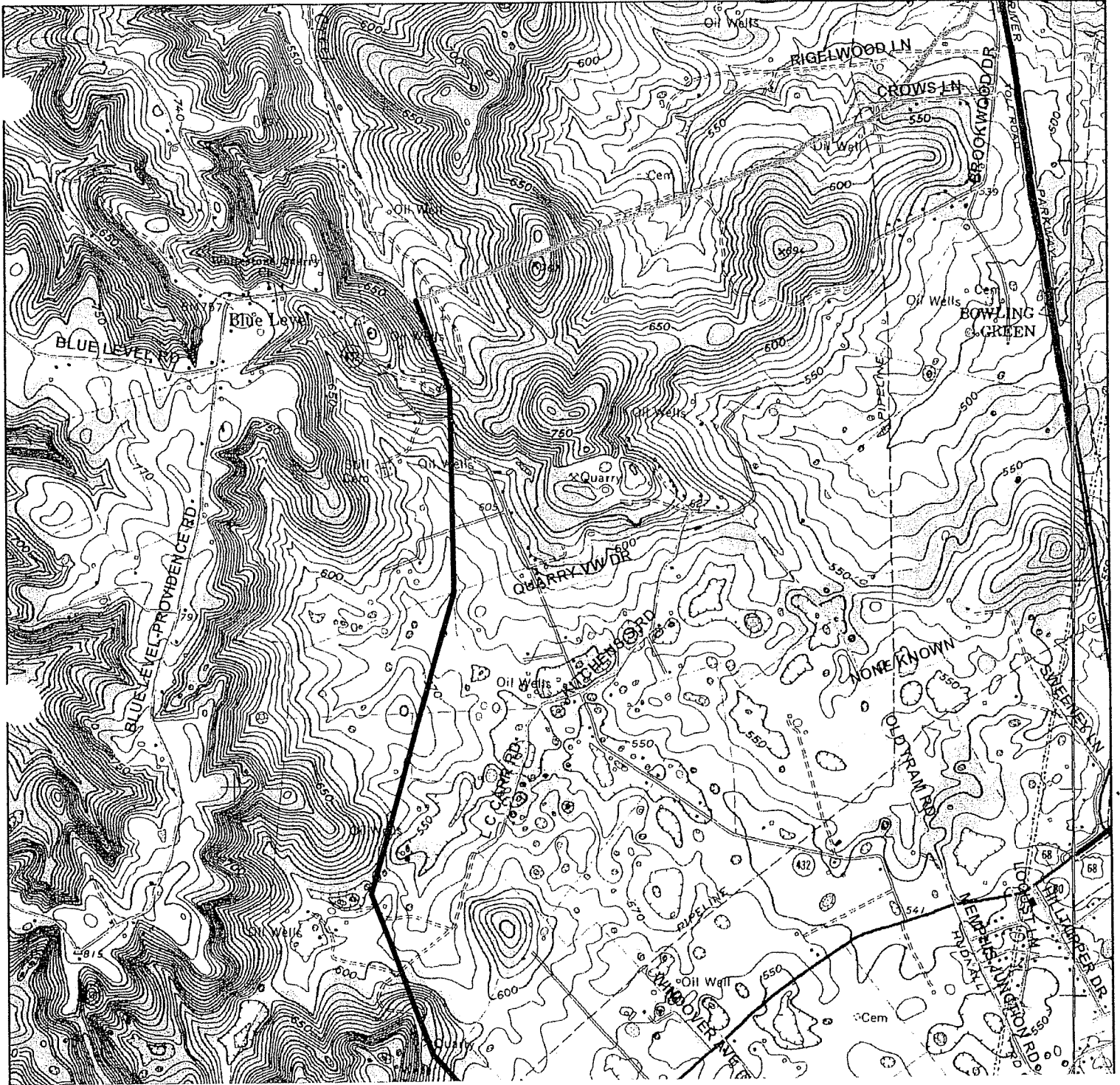
-  New
-  New Paralleling Existing
-  Rebuild



1,000
Feet

Map 2 of 3





EAST KENTUCKY POWER COOPERATIVE, INC.

PSC CASE NO. 2005-00207

INFORMATION REQUEST RESPONSE

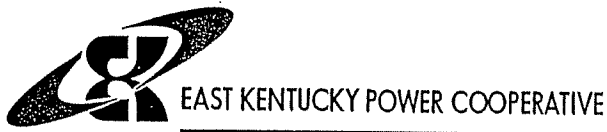
INTERVENORS CARROLL & DORIS TICHENOR'S FIRST DATA REQUEST
DATED 8/3/05

ITEM 6

RESPONSIBLE PARTY: Mary Jane Warner/Joe Settles

REQUEST: Any studies, evaluations, discussions and/or communications concerning EKPC's obligations and efforts toward complying with section 106 of the National Historic Preservation Act, 16 U.S.C. § 470 et seq., and its implementing regulations, 36 C.F.R. Part 800 and all related documents.

RESPONSE: Exhibit 6-1 contains all such information.



May 25, 2005

Mr. Charles Hockensmith
Kentucky Heritage Council
300 Washington Street
Frankfort, Kentucky 40601

Dear Charles;

I would like to thank you and Dave Pollack for meeting with us this morning regarding the following East Kentucky Power Cooperative project:

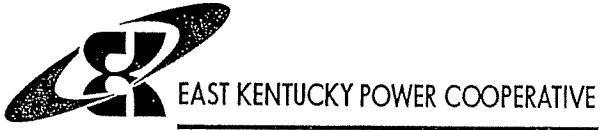
Wilson-Aberdeen-Morgantown 161kV Transmission Line

Per our conversation, EKPC will be sending a map of the 26 mile proposed transmission study corridor for the above project. It is our understanding that EKPC should proceed in conducting a visual impacts analysis on the Carson's Landing and Annis Mound and Village archaeological sites that are located near the Green River within the ½ mile wide study corridor. EKPC would also like to see any other recommendations you may have for proceeding with this project. Thank you for bringing these sites to our attention, and we would look forward to receiving your comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Settles', is written over a long, thin horizontal line.

Joe Settles
Spervisor, Natural Resources
and Environmental Communications



May 26, 2005

Mr. Charles Hockensmith
Kentucky Heritage Council
300 Washington Street
Frankfort, Kentucky 40601


Dear Charles;

Enclosed are the study corridor maps you requested for the following East Kentucky Power Cooperative project:

Wilson-Aberdeen-Morgantown 161kV Transmission Line

We appreciate your time in this matter, and we will be looking for your recommendations.

Sincerely,



Joe Settles
Supervisor, Natural Resources
and Environmental Communications



ERNIE FLETCHER
GOVERNOR

COMMERCE CABINET

KENTUCKY HERITAGE COUNCIL
THE STATE HISTORIC PRESERVATION OFFICE
300 WASHINGTON STREET
FRANKFORT, KENTUCKY 40601
(502) 564-7005 (502) 564-5820 FAX
www.kentucky.gov

W. JAMES HOST
SECRETARY

DAVID L. MORGAN
EXECUTIVE DIRECTOR AND
STATE HISTORIC PRESERVATION OFFICER

June 3, 2005

Mr. Joe Settles
Supervisor, Natural Resources
and Environmental Communications
East Kentucky Power Cooperative
4775 Lexington Road
P.O. Box 707
Winchester, KY 40392-0707

Dear Mr. Settles:

Thank you for your letters of May 25 and May 26, 2005 concerning the Wilson-Aberdeen-Morgantown 161 kV Transmission Line in Butler and Ohio Counties, Kentucky. As mentioned during our meeting of May 25, 2005, we are concerned about potential impacts to the Annis Mound and Village (15Bt20 and 15Bt21) and Carson's Landing (BT-1) which are listed on the National Register of Historic Places. Undoubtedly, there are a number of other as yet unrecorded archaeological sites within the half-mile wide corridor for the 26-mile long power line. A check of the three Green River crossings revealed that four shell middens (15Bt9, 15Bt13, 15Bt23, and 15Oh9) are located within the corridor and one shell midden (15Bt12) is nearby. One shell midden is a National Historic Landmark and the others are considered eligible for listing in the National Register of Historic Places. Several other archaeological sites are recorded within and adjacent to the corridor at these crossings. To deal with impacts to archaeological sites, we recommend that East Kentucky Power Cooperative hire an archaeological consultant to conduct a literature search for the proposed power line corridor. Because of the sensitive nature of this area and the large number of significant archaeological site located within the boundaries of the proposed corridor, the categorical exclusion that usually pertains to such power lines is not appropriate. In addition to the literature search we recommend that all areas in the vicinity of the Green River and other high potential areas be subjected to an archaeological survey.

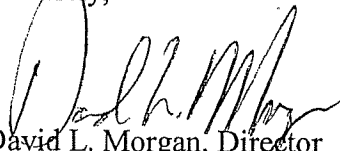
We also recommend that East Kentucky Power Cooperative hire an architectural historian to conduct a literature search and evaluate potential visual effects from the power line to Carson's Landing and other historic properties within or near the proposed corridor. As part of this evaluation consideration should be given as to whether the boundaries of Carson's Landing should be expanded to include more of the cultural landscape or if the

Mr. Joe Settles
June 3, 2005
Page 2

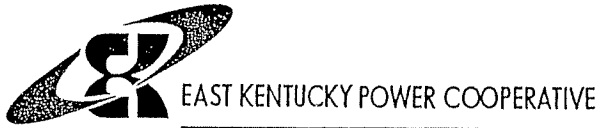
cultural resources in this area constitute a small historic district. Both reports must be submitted for my review, comment, and approval.

We appreciate East Kentucky Power Cooperative's willingness to conduct studies during the planning stage so that impacts to archaeological sites and historic structures can be identified early in project planning and potential adverse impacts to significant historic properties avoid or minimized. Should you have any questions, feel free to contact Charles Hockensmith of my staff at (502) 564-7005.

Sincerely,

A handwritten signature in black ink, appearing to read "D. L. Morgan". The signature is fluid and cursive, with a large initial "D" and "M".

David L. Morgan, Director
Kentucky Heritage Council and
State Historic Preservation Officer



June 9, 2005

Mr. David Morgan
State Historic Preservation Officer
KY Heritage Council
300 Washington Street
Frankfort, KY 40601

Dear David,

I wanted to let you know I received your letter dated June 3rd, 2005 concerning East Kentucky Power Cooperative's Wilson-Aberdeen-Morgantown project. Per your recommendations, we have hired an archaeological consultant to perform the recommended analysis. We have requested Cultural Resource Analysts to perform the necessary work. I have sent them a copy of your letter, and someone from their company will be contacting your office to ensure they perform the appropriate studies.

Also, I wanted to let you know that I have received letters from 3 different individuals stating that they wish to be consulting parties in the Section 106 process for this project. The property owners Carroll and Doris Tichenor, Dr. Patty Jo Watson, and Dr. George Crothers are the individuals making this request. I want to make certain that they are included as consulting parties. I have enclosed copies of their letters containing their requests.

Please let me know if there is anything else we need to do to move this process forward. We look forward to working with you in this matter, and thank you for your efforts.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Settles', with a long, sweeping horizontal line extending to the right.

Joe Settles
Supervisor, Natural Resources
And Environmental Communications

RE Letter from Penn State.txt

From: Charles.Hockensmith@ky.gov
Sent: Friday, June 24, 2005 9:45 AM
To: Joe Settles
Subject: RE: Letter from Penn State

Joe:

Thank you for the copy of the letter from George Milner concerning the Tichenor property. You are correct that we will be meeting with CRA staff on Monday at 11:00 AM concerning the proposed power line. We look forward to meeting with Jeff during this time.

Charles

Charles D. Hockensmith
Staff Archaeologist
Kentucky Heritage Council
300 Washington Street
Frankfort, Kentucky 40601

Phone: (502) 564-7005, Ext. 122
Charles.Hockensmith@ky.gov

Confidentiality Notice:

This e-mail message, including any attachment, is for the sole use of the intended recipient (s) and may contain confidential information. Any unauthorized review, use, disclosure or distribution is strictly prohibited. If you are not the intended recipient, please contact the sender, by e-mail, and destroy all copies of the original message.

-----Original Message-----

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Friday, June 24, 2005 9:37 AM
To: Charles Hockensmith (E-mail)
Cc: Dave Pollack (E-mail); Steven Creasman (E-mail); Chuck Niquette (E-mail); Rebecca G. Rapiet (E-mail); Craig Potts (E-mail); Brian Gasdorf; Chris Carpenter; Jeff Hohman; Josh Young; Missy Toncray; Seth Bishop
Subject: Letter from Penn State

Charles,

Here is a letter I received from George Milner, professor at Penn State, concerning the Tichenor property. It is my understanding that you will be meeting with Cultural Resource Analysts on Monday at 11:00 at your office to discuss the surveys of the proposed line. Jeff Hohman from our office will be attending the meeting as well. Call me if you have any questions.

Joe

<<Penn State Letter.pdf>>

Joe Settles
Supervisor, Natural Resources
and Environmental Communications
East KY Power Cooperative
4775 Lexington Road
Winchester, KY 40391

RE Letter from Penn State.txt

Work: 859-745-9256
Mobile: 859-771-3303
Fax: 859-744-6008
Email: joe.settles@ekpc.coop



16 June 2005

Mr. Joe Settles
East Kentucky Power Cooperative
4775 Lexington Road
Winchester, KY 40391

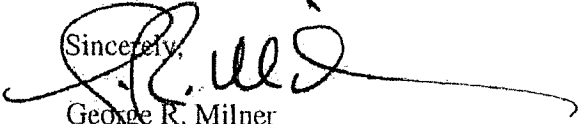
Dear Mr. Settles:

I recently learned about plans for a power line that will cross the Doris and Carroll Tichenor farm near Morgantown in Butler County, Kentucky. It is my understanding that the power line corridor is in the vicinity of significant historic and prehistoric sites, including National Register of Historic Places archaeological (Annis Mound and Village) and historic (Carson's Landing) properties. I have directed an active archaeological research and student-training project centered on the Tichenor farm since 2002, and I am writing because I know the property and its cultural significance rather well.

I do not know the precise route of the planned power line, or even if it has been firmly established, but it is quite likely that sites of archaeological significance will be impacted by the initial construction and subsequent maintenance of a power line on the Tichenor farm, even if the National Register properties are avoided. As a result of Penn State work, several sites have been discovered on Tichenor land outside of the National Register limits. For example, a small site, probably a farmstead contemporaneous with the National Register archaeological site, was discovered in our survey of a field located between the two National Register properties. This particular archaeological site has considerable scholarly significance because it is one of only a handful of such settlements known in that part of the Commonwealth. It is one of the principal reasons for my continuing interest in archaeological research on the Tichenor land.

In addition to known sites, the power line presumably must cross a largely unsurveyed river bank. Archaeological materials will undoubtedly be located along the forested river edge, to judge from what is known about the farm already (specifically the National Register archaeological property) and this stretch of the Green River in general.

In short, I am deeply concerned about the effect of power line construction and maintenance on significant historic and prehistoric cultural properties. This work will likely have a negative impact on archaeological resources that are of great scholarly significance. I urge you to choose another alignment that will have less effect on irreplaceable cultural resources.

Sincerely,

 George R. Milner
 Professor

cc: Doris and Carroll Tichenor



Department of Anthropology

Mr. Joseph Settles
East Kentucky Power Cooperative
4775 Lexington Road
Winchester, KY 40391

Dear Sir:

This is a statement with regard to the proposed corridor for the Wilson-Aberdeen-Morgantown Transmission Line Project, of which I have just been made aware.

Having carried out archaeological investigations in and around the Big Bend of Green River in Butler County for more than 30 years (see enclosures accompanying this letter), I am deeply concerned about the effects of line construction and subsequent maintenance on several well-known and sensitive archaeological sites in this locale. The Butler County Green River sites were first recorded by Works Progress Administration archaeologists during the late 1930s and have played a central role in all subsequent research on the prehistory of Kentucky, and of Eastern North America generally. The Green River Archaic (ca. 5000-2000 B.C.) and the Green River Mississippian (ca. 1100-1400 A.D.) are highly significant ancient societies defined by cultural deposits at a series of sites along Green River in Butler and Ohio counties.

From the information available on the EKPC web site, it appears that three and possibly four of these sites are in or very near the proposed corridor for the Wilson-Aberdeen-Morgantown Transmission Line: the Annis Mound and Villages (state site numbers 15Bt2, 15Bt20, 15Bt21) and the Carlston Annis Mound (15Bt5). All of these sites have been listed in the National Register of Historic Places since December 1985, and all are foci of active research projects by archaeobotanists, geoarchaeologists, zooarchaeologists, and other archaeological scientists. Hence, immediate consideration should be given to shifting the location of the proposed corridor in consultation with the Office of State Archaeology and with archaeologists at the Kentucky Heritage Council. Please also include me as a consulting party to the Section 106 process that will be required for the proposed Transmission Line corridor.

Thank you for your attention.

Sincerely,

Patty Jo Watson, Edward Mallinckrodt Distinguished University Professor Emerita
Member, National Academy of Sciences
Co-Director with Dr. William H. Marquardt, Shell Mound Archaeological Project

Permanent address: 2870 Solterra Lane, Missoula, MT 59803 pjwatson@artsci.wustl.edu

Enc.: Publication by Marquardt & Watson, flyer for Green River volume currently in press





UNIVERSITY OF KENTUCKY

June 3, 2005

Mr. Joe Settles
East Kentucky Power Cooperative
4775 Lexington Road
Winchester, KY 40391

W.S. Webb Museum of Anthropology
Office of State Archaeology
College of Arts and Sciences
211 Lafferty Hall
Lexington, KY 40506-0024
(859) 257-8208
Fax (859) 323-1968
www.uky.edu

Dear Mr. Settles:

I am writing in regard to the Morgantown-Aberdeen-Wilson Plant Transmission Line Project and the potential impacts it could have to archaeological sites and historic structures, particularly in the Big Bend region of the Green River. As you are aware, the Big Bend region of the Green River is among the most significant archaeological districts in Kentucky. A number of sites, including the Annis Mound and Village and the Carlston Annis Shell Mound site are listed on the National Register of Historic Places, and several other sites in the Big Bend contribute to a thematic National Register listing of Archaic Period Shell Mounds sites along the Green River. The historic house at Carson's Landing is also a National Register listed structure located in the Big Bend. There is a long history of archaeological research in the Big Bend that includes some of the most prominent names in the discipline, past and present. This distinguished list of scholars includes Clarence B. Moore (Academy of Natural Sciences of Philadelphia) in 1915-16, William S. Webb (University of Kentucky) in the 1930-40s, Patty Jo Watson (Washington University) and William Marquardt (Florida Museum of Natural History) in the 1970-80s, and George Milner (Pennsylvania State University) in 2003-04.

As Director of the Office of State Archaeology, I would like to be included as a consulting party in the Section 106 process regarding potential effects the project may have on these important archaeological resources. I urge you to explore all possible alternatives to avoid these resources in the selection of your transmission line and easement. While it may be possible to avoid direct impacts from the placement of the transmission line poles, I am also concerned that an easement on or near these sites will contribute to long-term indirect impacts to these resources.

I am available to discuss potential impacts of this project to archaeological resources and look forward to hearing from you regarding the process for selection of a transmission line corridor.

Most sincerely,

George M. Crothers, Ph.D.
Director

June 2, 2005

To: Joe Settles
East Kentucky Power Cooperative
4775 Lexington Road
Winchester, KY 40391

From: Carroll and Doris A. Tichenor
1086 Annis Ferry Road
Morgantown, KY 42261-8001

Carroll Tichenor
Doris A. Tichenor

Re: Proposed East Kentucky Power Cooperative Wilson-Aberdeen-
Morgantown Junction Transmission Project

On May 17 we were advised that EKPC has drawn a corridor for a new electricity transmission line from the Wilson Plant in western Ohio County to Warren RECC's Aberdeen Substation, and that the proposed corridor would cross our entire farm from one side to the other. Prior to this date we had received no notice of the transmission line project other than a packet of very general information which had been sent out a few days earlier.

The proposed project corridor has been selected and set in place completely without any input from or even notice to the owners of land in its path. The corridor apparently was hastily drawn based on an aerial survey, without regard for the historic, archaeological and aesthetic significance of the area traversed. It appears that the aerial survey revealed a "blank" piece of farm land where the line would attract little attention because nothing of any consequence appeared to be in the way.

We can assure you that such is not the case. We are the owners of the "blank" piece of farm land where the proposed corridor approaches Green River from the northwest. As presently drawn, the corridor splits our farm in half across its longest dimension, an intrusion that will degrade the entire property forever. Encompassed by the corridor are three archaeological sites and one historic site that are on the National Register of Historic Places. These sites are well documented and abundant evidence is available to support their importance, including scientific papers, photographs, illustrations and historical material. This body of evidence is on file and will be presented at the appropriate time.

In addition to desecration of historic and archaeological sites, if placed anywhere within the corridor as presently drawn, the power line will destroy the integrity of a remarkable viewshed that has been protected by the owners of this property for a hundred years. The entire farm was the subject of an evaluation and long-term landscaping plan prepared by a well-known landscape architect in 1982. For the past twenty-three years the owners of this property have worked to implement the provisions of the landscape plan, including planting trees, installing ponds,

maintaining open areas, and removing visual blight such as untended fencerows and exotic species.

Over a quarter mile of power line in the vicinity of farm buildings has been placed underground, with cooperation and cost sharing between WRECC and the owners. One intrusive power line pole remains within the viewshed but its removal is in the continuing long-term plan for viewshed protection and enhancement.

We contend that such a sustained effort to maintain and enhance a viewshed is unusual if not unprecedented and deserves recognition and consideration in the transmission line siting process. We recognize that aesthetic values are generally given little if any consideration in siting projects of this nature. But we believe that the aesthetic values of this particular tract of unspoiled, hitherto protected farm land, in addition to its historical and archaeological significance and the body of evidence that can be produced in support of these values, are such that an impressive case can be made for adjusting the location of the proposed power line corridor to avoid severe permanent damage to these values.

From the limited information available to us at this time, it appears that the corridor could be shifted slightly to the north to cross Green River on the downstream side of the now impacted property, thus avoiding the historic and archaeological sites and leaving the currently protected farm intact. The line would then traverse the swampy reaches of Indian Camp Creek, continue south of the Natcher Parkway/US 231 intersection and roughly parallel US 231 to Aberdeen. We wish to suggest that this or some similar relocation be given serious consideration.

Furthermore, as affected landowners we wish to be a consulting party to the Section 106 process that will be required.

In the current issue of *Newsweek* (June 6, 2005) ecologist Gretchen Daily of Stanford University expresses her belief that "the way to make conservation work is to look at farms and forests as 'ecological assets' that must not be squandered." It appears to us that an irreplaceable asset -- a piece of farm land that has benefited from a century of protection by its owners -- is about to be squandered to accommodate an economically questionable power line that has not been conclusively shown to offer long term benefit to the customers it serves.

Based on the facts set forth in this letter and the evidence that can be produced to support them, we implore you to uphold EKPC's long time reputation as an environmentally sensitive company and relocate this transmission line before it is too late to save the significant area that will otherwise be degraded.



EAST KENTUCKY POWER COOPERATIVE

June 9, 2005

Dr. Patty Jo Watson
2870 Solterra Lane
Missoula, MT 59803

Dr. Watson,

I wanted to let you know I received your letter dated June 4th, 2005 concerning East Kentucky Power Cooperative's Wilson-Aberdeen-Morgantown project. We have contacted the Kentucky Heritage Council to inform them of your wishes to be included as a consulting party in the Section 106 process regarding potential effects of the proposed project. Your extensive knowledge and familiarity with the area will be very useful in moving forward through this process.

We are currently working with recommendations from the Kentucky Heritage Council for study of the site. I will be coordinating our activities with their office, and we will proceed according to their instructions to ensure that we follow the process to resolve this issue.

I want to assure you that East Kentucky Power takes our responsibility towards these resources very seriously, and your input into this process is appreciated. I assume that we will meet by phone or in person concerning this project soon. We look forward to working with you in this matter, and thank you for your efforts.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Settles', written over a horizontal line.

Joe Settles
Supervisor, Natural Resources
And Environmental Communications

June 9, 2005

Dr. George Crothers
Director, Office of State Archaeology
Colleg of Arts and Sciences
211 Lafferty hall
Lexington, KY 40506-0024

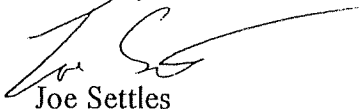
Dr. Crothers,

I wanted to let you know I received your letter dated June 3rd, 2005 concerning East Kentucky Power Cooperative's Wilson-Aberdeen-Morgantown project. We have contacted the Kentucky Heritage Council to inform them of your wishes to be included as a consulting party in the Section 106 process regarding potential effects of the proposed project. As Director of the Office of State Archaeology, your input will be greatly appreciated.

We are currently working with recommendations from the Kentucky Heritage Council for study of the site. I will be coordinating our activities with their office, and we will proceed according to their instructions to ensure that we follow the process to resolve this issue.

We have contracted with Cultural Resource Analysts to perform the necessary analysis. We have always been impressed with their professionalism, and we are confident that they will do a thorough job. We look forward to working with you in this matter, and I assume that we will meet concerning this project soon.

Sincerely,



Joe Settles
Supervisor, Natural Resources
And Environmental Communications



EAST KENTUCKY POWER COOPERATIVE

June 9, 2005

Carroll and Doris A. Tichenor
1086 Annis Ferry Road
Morgantown, KY 42261-8001

Dear Mr. And Mrs. Tichenor,

I wanted to let you know I received your letter dated June 2nd, 2005 concerning East Kentucky Power Cooperative's Wilson-Aberdeen-Morgantown project. In your letter, you stated that you wish to be a consulting party to the Section 106 process that will be required for this project. We greatly appreciate your desire for input in this process, and we welcome your assistance in developing a resolution to this matter. I contacted the Kentucky Heritage Council once I received your letter to make sure we follow the proper process to ensure you are included as a consulting party.

We are currently working with recommendations from the Kentucky Heritage Council for study of the site. I will be coordinating our activities with their office, and we will proceed according to their instructions to ensure that we follow the process to resolve this issue.

I want to assure you that East Kentucky Power takes great pride in our work for the environment, and we have a long history of providing electricity in the most responsible manner possible. We take your concerns regarding the resources in that area seriously, and we look forward to working with you both in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Settles', written over a horizontal line.

Joe Settles
Supervisor, Natural Resources
And Environmental Communications



16 June 2005

Mr. Joe Settles
East Kentucky Power Cooperative
4775 Lexington Road
Winchester, KY 40391

Dear Mr. Settles:

I recently learned about plans for a power line that will cross the Doris and Carroll Tichenor farm near Morgantown in Butler County, Kentucky. It is my understanding that the power line corridor is in the vicinity of significant historic and prehistoric sites, including National Register of Historic Places archaeological (Annis Mound and Village) and historic (Carson's Landing) properties. I have directed an active archaeological research and student-training project centered on the Tichenor farm since 2002, and I am writing because I know the property and its cultural significance rather well.

I do not know the precise route of the planned power line, or even if it has been firmly established, but it is quite likely that sites of archaeological significance will be impacted by the initial construction and subsequent maintenance of a power line on the Tichenor farm, even if the National Register properties are avoided. As a result of Penn State work, several sites have been discovered on Tichenor land outside of the National Register limits. For example, a small site, probably a farmstead contemporaneous with the National Register archaeological site, was discovered in our survey of a field located between the two National Register properties. This particular archaeological site has considerable scholarly significance because it is one of only a handful of such settlements known in that part of the Commonwealth. It is one of the principal reasons for my continuing interest in archaeological research on the Tichenor land.

In addition to known sites, the power line presumably must cross a largely unsurveyed river bank. Archaeological materials will undoubtedly be located along the forested river edge, to judge from what is known about the farm already (specifically the National Register archaeological property) and this stretch of the Green River in general.

In short, I am deeply concerned about the effect of power line construction and maintenance on significant historic and prehistoric cultural properties. This work will likely have a negative impact on archaeological resources that are of great scholarly significance. I urge you to choose another alignment that will have less effect on irreplaceable cultural resources.

Sincerely,

George R. Milner
Professor

cc: Doris and Carroll Tichenor



ERNIE FLETCHER
GOVERNOR

COMMERCE CABINET

KENTUCKY HERITAGE COUNCIL
THE STATE HISTORIC PRESERVATION OFFICE
300 WASHINGTON STREET
FRANKFORT, KENTUCKY 40601
(502) 564-7005 (502) 564-5820 FAX
www.kentucky.gov

W. JAMES HOST
SECRETARY

DAVID L. MORGAN
EXECUTIVE DIRECTOR AND
STATE HISTORIC PRESERVATION OFFICER

May 7, 2004

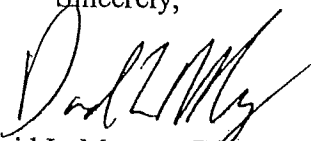
Mr. Jeff Hohman
Manager of Natural Resources
and Environmental Communications
East Kentucky Power
4758 Lexington Road
Winchester, KY 40391

Re: Construction of single and double wooden pole electrical transmission lines by East Kentucky Power. This only includes transmission lines where the soil is not disturbed by clearing forest. Also included under this Categorical Exclusion are new steel poles that are manufactured to look like wood poles and require only auger holes when installed.

Dear Mr. Hohman:

I have reviewed documentation for the above referenced group of projects for East Kentucky Power and have determined it is unlikely that there will be any effect on properties listed in or eligible for listing in the National Register of Historic Places. To finalize this agreement and complete the consultation process, I am enclosing a Categorical Exclusion form for this undertaking. Please obtain the appropriate signature and return the document to the Kentucky Heritage Council at your earliest convenience. This Categorical Exclusion will be in affect until December 31, 2005. Should you have any questions, feel free to contact me or Charles Hockensmith at (502) 564-7005.

Sincerely,


David L. Morgan, Director
Kentucky Heritage Council and
State Historic Preservation Officer

Enclosure



ERNIE FLETCHER
GOVERNOR

COMMERCE CABINET

KENTUCKY HERITAGE COUNCIL
THE STATE HISTORIC PRESERVATION OFFICE
300 WASHINGTON STREET
FRANKFORT, KENTUCKY 40601
(502) 564-7005 (502) 564-5820 FAX
www.kentucky.gov

W. JAMES HOST
SECRETARY

DAVID L. MORGAN
EXECUTIVE DIRECTOR AND
STATE HISTORIC PRESERVATION OFFICER

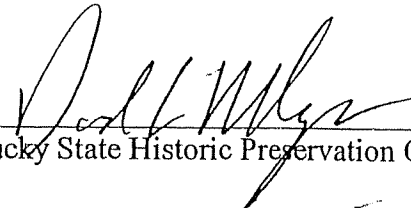
PROGRAMMATIC NO EFFECT
(Categorical Exclusion)

Pursuant to Section 106 of the National Historic Preservation Act (16 U.S.C. 470m) and its revised implementing regulations 36 CFR Part 800 issued by the Advisory Council on Historic Preservation, the Kentucky Historic Preservation Officer and East Kentucky Power Cooperative have consulted and are in concurrence that single and double wooden pole (and similar steel poles) electrical transmission lines which do not involve earth disturbance will have no effect on any property included in or eligible for inclusion in the National Register of Historic Places. In accordance with 36CFR Part 800.4 (d) of the Advisory Council's revised regulations our finding for these categories of undertakings is that there are No Historic Properties Present within the areas of potential impact. Therefore, we have no further comments and the Agency Official's responsibility for consultation with the Kentucky State Historic Preservation Officer under the Section 106 review process for these projects is fulfilled. This agreement is in effect from May 7, 2004 to December 31, 2005.

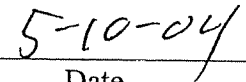
Upon signature of this document and its return to the Kentucky State Historic Preservation Officer, the **East Kentucky Power Cooperative** will have completed its Section 106 responsibilities for these undertakings.

NA
Federal Agency Official

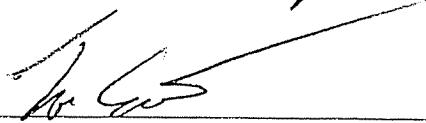
Date



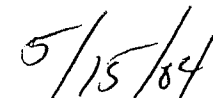
Kentucky State Historic Preservation Officer



Date



State or Local Official (or other consulting party)



Date

RE Green River crossing.txt

From: Charles M. Niquette [cmniquette@crai-ky.com]
Sent: Thursday, June 02, 2005 8:28 AM
To: Joe Settles
Cc: Jeff Hohman; Dominic Ballard
Subject: RE: Green River crossing

Makes sense to me, Joe. Thank you. We'll be back in touch ASAP.

Chuck

-----Original Message-----

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Thursday, June 02, 2005 6:48 AM
To: cmniquette@crai-ky.com
Cc: Jeff Hohman; Dominic Ballard
Subject: RE: Green River crossing

Chuck,

The house site is located on the map I sent you. It is the site noted as Approximate House Location on the attached topo. I have attached the map again just in case it didn't make it to you the first time.

Yes - we would like a separate bid for that portion of work.

As far as the high probability study is concerned. We should have a proposed centerline by the middle of June that we can use to narrow our focus of work. Those are the maps I was hoping to have to you this week, but they are not ready yet. As soon as I have those maps, you should be able to make a better determination of what sections of the line need to be looked at as high probability areas. As soon as I have the maps, you will have the maps. We can put together a cost estimate for that portion of work at that time.

Hope that makes sense.

Joe

-----Original Message-----

From: Charles M. Niquette [mailto:cmniquette@crai-ky.com]
Sent: Tuesday, May 31, 2005 3:21 PM
To: Joe Settles
Cc: Jeff Hohman; 'Steven Creasman (E-mail)'; 'Gary Gilpin (E-mail)'
Subject: RE: Green River crossing

Thanks, Joe. Do you have a location for Carson's Landing site? I assume from your email that you want a separate bid for this portion of the work.

As far as the corridor study is concerned, the best approach would be to overlay the site locations on your half mile wide corridor and see what this looks like. There has been a lot of work done down in that area and, as a result, the existing body of data available should be adequate to kick up any big red flags that already exist. After that, we might be able to hone in on a valid line for the proposed right of way which I think you said was 100 feet. The high probability survey would then be far more cost-effective where you have people on the ground surveying a much more restricted area. Does this make sense to you? If so, we can get a cost estimate together for this portion of the job once we receive your mapping.

Thanks.

RE Green River crossing.txt

Chuck

P.S. I met a guy over the holiday weekend that knows both you and Jeff. He has been with EKPC for about 30 years and has worked in the contracts and accounting sections. His name escapes me at the moment but I'll try to dredge it up. I think he was somewhat skeptical of back road street racing ATVs in southern Jessamine County! Go figure. Nobody got hurt and it seemed like everyone had a good time.

-----Original Message-----

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Tuesday, May 31, 2005 1:59 PM
To: cmniquette@crai-ky.com
Cc: Jeff Hohman; Steven Creasman (E-mail); Gary Gilpin (E-mail)
Subject: RE: Green River crossing

Chuck,

I spoke with Steve about the work the KHC has recommended for that site. I wanted to make sure that you understood that the KHC is looking for a visual impacts analysis on the Carson's Landing site. Apparently, it is a historical structure and we (EKPC) need to determine if the project will have any visual/aesthetic impacts on the site. If it is determined that the project could have a negative impact, then EKPC will need to determine what we can do to minimize or remove these impacts.

Also, EKPC has a categorical exclusion for projects involving single pole structures (which this project will be), and the KHC would like for EKPC to suspend the use of this Cat. Exc. for this project. EKPC will need to identify the best place to put the proposed ROW, and an archaeological survey of that area should accomplish that task. The Annis Mounds are in that area of concern, prompting the KHC's request. Lastly, I will be sending over a copy of the entire study corridor. The KHC has also requested that EKPC conduct an archaeological survey for all of the areas within the study corridor that have high potential for containing archaeological sites. The KHC requested we get a third party (we chose you) to determine those areas that have high potential for containing archaeological sites.

I hope this email finds you well, and I will be looking for your cost estimate associated with the visual impacts analysis. The maps for the entire project corridor will be on your desk as soon as I get them. We can talk \$\$ associated with that portion of the project after I have sent you the maps. Thank you for your help in this matter and I look forward to hearing from you.

Thanks,
Joe

-----Original Message-----

From: Charles M. Niquette [mailto:cmniquette@crai-ky.com]
Sent: Wednesday, May 25, 2005 3:44 PM
To: Joe Settles
Subject: RE: Green River crossing

Thanks, Joe!

-----Original Message-----

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Wednesday, May 25, 2005 2:32 PM
To: cmniquette@crai-ky.com
Cc: dmwingfield@crai-ky.com

RE Green River crossing.txt

Subject: Green River crossing

Here is the site:

<<TichenorCrossing-Topo.pdf>>

Joe

Joe Settles
Supervisor, Natural Resources
and Environmental Communications
East KY Power Cooperative
4775 Lexington Road
Winchester, KY 40391
Work: 859-745-9256
Mobile: 859-771-3303
Fax: 859-744-6008
Email: joe.settles@ekpc.coop

From: Rebecca G. Rapier [rgrapier@crai-ky.com]
Sent: Thursday, June 09, 2005 12:43 PM
To: Joe Settles
Cc: "Craig A. Potts"; "Steven D. Creasman"
Subject: EKPC Visual Impact Analysis -- Carson's Landing/Butler County

Mr. Settles-

Per our conversation earlier in the week, I wanted to keep you up-to-date on the visual impact analysis for Carson's Landing. I have begun review of the NRHP nomination for the property and have left a message with the Tichenors in hopes of a site visit next week.

Becky

Becky Gatewood Rapier
Architectural Historian
Cultural Resource Analysts, Inc.
151 Walton Avenue
Lexington, KY 40508
859-252-4737
www.crai-ky.com
rgrapier@crai-ky.com

From: Craig Potts [cpotts@crai-ky.com]
Sent: Tuesday, June 28, 2005 10:22 AM
To: Jeff Hohman; Joe Settles
Cc: creasman@crai-ky.com; cmniquette@crai-ky.com
Subject: Monday's Meeting w/ SHPO
Good Morning all,

Thanks for meeting with us yesterday at the Heritage Council on the utility line corridor project. Unfortunately I didn't get the message from Joe about changing locations for lunch until it was too late. Since I missed you all, I thought I would provide a synopsis of what is required from the SHPO and what we need to do to move forward.

The letter originally sent by Charles Hockensmith on the project was a little vague for the Cultural Historic portion. It seemed like they wanted the entire corridor surveyed, and not just the potential viewshed impacts in the Carson's Landing area. To completely survey the entire corridor would have been a major undertaking that I thought was unnecessary at this stage. I think we worked out a pretty good compromise to give them information on the entire line without breaking the bank on time-consuming survey.

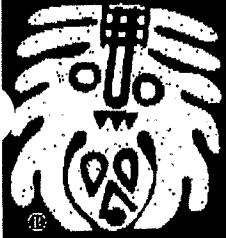
It appears that the compromise will include a records and literature review of previously surveyed/listed historic properties within the entire length of the one-mile wide corridor. CRAI will research the database of surveyed and NR listed sites at the Kentucky Heritage Council and identify appropriate past reports, surveys and sources. We will complete a compliance report for project planning that consists of an abstract, methodology, environmental overview and description of the findings. We will also map all identified resources within the corridor and provide a bibliography of identified secondary sources. Also included in this report will be a section devoted to the Carsons Landing area. We will describe the property in question and field check the adjacent properties to determine if a cultural historic landscape is present. We will then provide recommendations and a determination regarding visual impacts to the property(s) within the Carson's Landing area (this will include above-ground resources only). Separate mapping for this site with previously identified and/or potential National Register boundaries will be provided along with Digital Elevation Modeling (DEM) to indicate areas outside of view. This should fulfill SHPO's requirements at this stage.

We are ready to move forward with the records and literature review, but we need the mapping for the entire corridor. We will actually need it to do the revised fee proposal too. I spoke with Steve Creasman and they will need it to start the archaeological portion as well. If you have that mapping available, we can get moving quickly on this.

Thanks again for meeting with us. I wanted to keep the costs as low as possible for you without providing too little information to the SHPO. The process should move quicker now that we are all on the same page. Hope all is well!

Craig A. Potts
Senior Architectural Historian
Cultural Resource Analysts, Inc.
151 Walton Avenue
Lexington, Kentucky 40508
Office: (859) 252-4737
cpotts@crai-ky.com

www.crai-ky.com



CULTURAL RESOURCE ANALYSTS, INC.

www.crai-ky.com

June 29, 2005

Joe Settles
Eastern Kentucky Power Cooperative
PO Box 707
Winchester, KY 40392-0707

**Re: Modified Proposal for a Cultural Historic Visual Impact Analysis
Including a Full Corridor Records Review and Overview Report
Eastern Kentucky Power Cooperative
Wilson-Aberdeen-Morgantown Power Transmission Line
Butler and Ohio Counties, Kentucky**

Dear Mr. Settles:

A letter was sent to you on June 3, 2005, in response to your request for a proposal to conduct a cultural historic visual impact analysis for the above referenced undertaking. The cultural historic resource to be evaluated for potential impacts was the Annis Ferry Farm (BT-1) which was listed on the National Register of Historic Places in 1998.

Following the submission of that proposal, CRAI was made aware of a SHPO review letter for the project provided by Charles Hockensmith. The letter indicated that an architectural historian was needed to conduct a literature search and evaluate potential visual effects from the power line to Carson's Landing and other historic properties within or near the proposed corridor. It went on to state that, "As part of this evaluation consideration should be given as to whether the boundaries of Carson's Landing should be expanded to include more of the cultural landscape or if the cultural resources in this area constitute a small historic district." The sections referring to a potential district(s) and the potential for effects to other historic properties within or near the proposed corridor was not factored in the original proposal.

In order to clarify the SHPO comments, a meeting was held with Charles Hockensmith (staff archaeologist), Janie-Rice Brother (Environmental Review Coordinator), Craig Potts (CRAI), and EKPC. Based upon the comments obtained from the SHPO, CRAI was asked to modify our original scope of work and cost proposal to also complete a records and literature review of previously surveyed/listed historic properties within the entire length of the one-mile wide corridor for review and approval.

CRAI will research the database of surveyed and NR listed sites at the Kentucky Heritage Council and identify appropriate past reports, surveys and sources. We will complete a compliance report for project planning that consists of an abstract, methodology, environmental overview and description of the findings. We will also map all identified resources within the corridor and provide a bibliography of identified secondary sources. Also included in this report will be a section devoted to the Carson's Landing area. We will describe the property in question and field check the adjacent properties to determine if a cultural historic landscape/historic district is

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cmhquette@crai-ky.com
manslinger@crai-ky.com

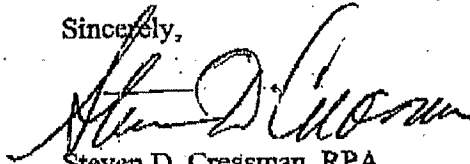
Logo designed from a prehistoric design found on a stone tablet recovered from the Galtskill Mound, in Mount Sterling, Kentucky

present. We will then provide recommendations and a determination regarding visual impacts to the property(s) within the Carson's Landing area (this will include above-ground resources only). Separate mapping for this site with previously identified and/or potential National Register boundaries will be provided along with Digital Elevation Modeling (DEM) to indicate areas outside of view. DEM will be based on an assumed power pole height of 135 feet. The investigations and resulting report will comply with the current Kentucky State Historic Preservation Officer's (SHPO) specifications.

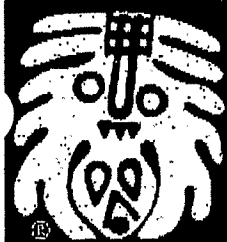
We will complete the cultural historic visual impact analysis and the full records and literature review for the lump sum price of [REDACTED] (including all salaries, wages, expenses and fees). We can complete the fieldwork and produce the entire report by July 31, 2005, if not sooner. CRAI will submit the report on your behalf to the Kentucky SHPO and forward a copy to you for your files. SHPO review of the report should take no longer than 30 days once submitted.

Thank you again for calling on Cultural Resource Analysis to complete these services. Should you have any questions regarding this proposal, please do not hesitate to contact me at your convenience.

Sincerely,



Steven D. Creasman, RPA
Vice President of Operations



CULTURAL RESOURCE ANALYSTS, INC.

www.crai-ky.com

June 29, 2005

Joe Settles
 Eastern Kentucky Power Cooperative
 PO Box 707
 Winchester, KY 40392-0707

**Re: Proposal for an Assessment of Areas of High Archaeological Potential
 Eastern Kentucky Power Cooperative
 Wilson-Aberdeen-Morgantown Power Transmission Line
 Butler and Ohio Counties, Kentucky**

Dear Mr. Settles:

This letter is in response to your request for a proposal to conduct an initial archaeological study of the proposed Wilson-Aberdeen-Morgantown Power Transmission Line corridor. The purpose of this initial study is two fold 1) to identify known archaeological sites list in or eligible for listing in the National Register of Historic Places, and 2) identify areas within the corridor that have a high potential/probability to contain significant prehistoric and historic archaeological sites.

The investigations will commence with a review of the archaeological site files at the Office of State Archeology. The information on known archaeological sites and known historic structures occurring in or near the project area will be examined as well as archaeological reports and historic documents pertinent to the study area. Historic maps, soil surveys and geologic maps will also be reviewed. The reviews will serve to gather information on previous archaeological surveys, known sites in the study area, and general environmental characteristics of the study. The data will be analyzed to profile the character of archaeological resources and their distribution on the landscape. Not only will the distribution of all resources be considered, but the data will be examined to determine where sites considered eligible or listed on the NR are located. The site data will be analyzed to determine what site characteristic(s) best predicts location, e.g., soil association, topographic position, etc. This data will then be used to model area of archaeological potential, including areas with a high probability for NR sites.

The results of the archival research and data analysis will be documented in a detailed written report. The report will conform to *Specifications for Archaeological Fieldwork and Assessment Reports* issued by the Kentucky State Historic Preservation Office. A set of project base maps showing areas previously surveyed, known sites, and potential historic archaeological sites will be prepared. The base mapping will also divide the project corridor into zones (areas) of archaeological potential, including areas of high probability for site eligible to the NR.

We will complete the archaeological study for the lump sum price of [REDACTED] (including all salaries, wages, expenses and fees).

100 Walton Avenue, Lexington, KY 40508
 100 Days Valley Road, Suite 3, Hurricane, WV 25526

Office: (609) 252-4737
 Office: (304) 562-7233

Fax: (839) 254-3747
 Fax: (304) 562-7235

cimiquette@crai-ky.com
 manslinger@crai-ky.com

Logo adapted from a prehistoric design found on a stone tablet recovered from the Gallskill Mound, in Mount Sterling, Kentucky

We can complete the study by July 31, 2005. CRAI will submit the report to SHPO on your behalf.

Again, thank you for the opportunity to be of service to Eastern Kentucky Power. If you have any questions concerning our cost proposal or if you require any further information please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven D. Creasman", written over a horizontal line.

Steven D. Creasman, RPA
Vice President of Operations

From: Steven D. Creasman [creasman@crai-ky.com]
Sent: Friday, July 01, 2005 7:53 AM
To: Joe Settles
Cc: Chuck Niquette (Chuck Niquette); Bill Lees; Craig Potts
Subject: Wilson-Aberdeen-Morgantown Power Transmission Line

Joe,

This is to follow-up and confirm our telephone conversation yesterday afternoon. EKPC has accepted CRAI's proposals dated June 29, 2005 for "**Proposal for an Assessment of Areas of High Archaeological Potential**" and "**Modified Proposal for a Cultural Historic Visual Impact Analysis Including a Full Corridor Records Review and Overview Report**". CRAI will begin the studies next week and complete them by the end of July. If you have any questions please call Chuck, Bill, Craig or myself.

Steven D. Creasman, RPA
Vice President of Operations
Cultural Resource Analysts, Inc.
151 Walton Ave.
Lexington, KY 40508
859-252-4737 (voice)
859-254-3747 (fax)
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Joe Settles

From: Steven D. Creasman [creasman@crai-ky.com]
Sent: Tuesday, July 26, 2005 1:54 PM
To: Joe Settles
Subject: EKPC Butler and Ohio Counties

Joe,

I wanted to give you a heads-up on our estimate for the architectural survey. Becky has been going over the project maps and historic quad maps for the area from KY 269 to the terminus at Morgantown. She estimates that there are up to 140 historic structures in the 1 mile corridor. Not all these sites would be eligible to the National Register, and once we survey some may prove to no longer exist. To complete the study of this 12 mile section to current KYTC standards will cost about [REDACTED] (this includes our current budget for Carson's Landing). Before I put together the formal scope and budget I wanted to run this past you.

Steve

Steven D. Creasman, RPA
Vice President of Operations
Cultural Resource Analysts, Inc.
151 Walton Ave.
Lexington, KY 40508
859-252-4737 (voice)
859-254-3747 (fax)
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7/26/2005

August 9, 2005

Joe Settles
Eastern Kentucky Power Cooperative
PO Box 707
Winchester, KY 40392-0707

**Re: Proposal for Cultural Historic Surveys and Visual Impact Analysis
Including the Completion of Records Reviews and Overview Reports
Eastern Kentucky Power Cooperative (EKPC)
Memphis Junction to Aberdeen Project
Butler and Warren Counties, Kentucky**

Dear Mr. Settles:

Based upon our most recent meeting held August 09, 2005, it is understood that a cultural historic survey and visual impacts analysis is required for the Memphis Junction to Aberdeen utility line corridor proposed in Butler and Warren counties. This report is to be included in the Environmental Assessment being developed for the project and will be produced in compliance with the directives of the Kentucky Heritage Council, State Historic Preservation Office. CRAI therefore proposes to complete the following:

CRAI will research the database of surveyed and National Register listed sites at the Kentucky Heritage Council and identify appropriate past reports, surveys and sources. We will complete a compliance report that will contain an abstract, methodology, environmental overview and description of findings. In order to accurately assess the historic environment, CRAI will intensively survey an area of the corridor starting with the projects northern terminus and ending the southern terminus of the new transmission line section due south of Morgantown (see attached mapping). We will also provide the appropriate environmental information pertaining to the Morgantown area, analyze the potential for visual impact and provide a determination of effect. Mapping of all identified historic resources within the project corridor will also be provided including a conclusion section and bibliography. The investigations and resulting report will comply with the current Kentucky State Historic Preservation Officer's (SHPO) specifications and standards.

Once the report has been reviewed and approved, CRAI will assist EKPC with the coordination of a consulting parties meeting to fulfill the requirements of Section 106 Review. The principal investigator(s) will present the findings to the group at the consulting parties meeting.

CRAI will complete this cultural historic survey, visual impact analysis and records and literature review and produce a compliance report on a time and materials basis not to exceed [REDACTED]. We can complete the fieldwork and produce the entire report by

September 30, 2005, if not sooner. CRAI will submit the report on your behalf to the Kentucky SHPO and forward a copy to you for your files. SHPO review of the report should take no longer than 30 days once submitted.

Steven D. Creasman, RPA
Vice President of Operations

August 9, 2005

Joe Settles
Eastern Kentucky Power Cooperative
PO Box 707
Winchester, KY 40392-0707

**Re: Proposal for Cultural Historic Surveys and Visual Impact Analysis
Including the Completion of Records Reviews and Overview Reports
Eastern Kentucky Power Cooperative (EKPC)
Wilson to Aberdeen Project
Butler and Ohio Counties, Kentucky**

Dear Mr. Settles:

Based upon our most recent meeting held August 09, 2005, it is understood that a cultural historic survey and visual impacts analysis is required for the Wilson to Aberdeen utility line corridor proposed in Ohio and Butler counties. This report is to be included in the Environmental Assessment being developed for the project and will be produced in compliance with the directives of the Kentucky Heritage Council, State Historic Preservation Office. CRAI therefore proposes to complete the following:

CRAI will research the database of surveyed and National Register listed sites at the Kentucky Heritage Council and identify appropriate past reports, surveys and sources. We will complete a compliance report that will consist of an abstract, methodology, environmental overview and description of findings. In order to accurately assess the historic environment, CRAI will intensively survey an area of the corridor starting at Highway 269 and ending at the project terminus near Aberdeen (see attached mapping) Mapping of all identified historic resources within the project corridor will also be provided including a conclusion section and bibliography. The investigations and resulting report will comply with the current Kentucky State Historic Preservation Officer's (SHPO) specifications and standards.

Once the report has been reviewed and approved, CRAI will assist EKPC with the coordination of a consulting parties meeting to fulfill the requirements of Section 106 Review. The principal investigator(s) will present the findings to the group at the consulting parties meeting.

CRAI will complete the cultural historic survey, visual impact analysis and records and literature review and produce a compliance report on a time and materials basis not to exceed [REDACTED]. We can complete the fieldwork and produce the entire report by September 30, 2005, if not sooner. CRAI will submit the report on your behalf to the Kentucky SHPO and forward a copy to you for your files. SHPO review of the report should take no longer than 30 days once submitted.

Steven D. Creasman, RPA
Vice President of Operations

From: Steven D. Creasman [creasman@crai-ky.com]
Sent: Friday, August 12, 2005 8:46 AM
To: Joe Settles
Subject: Green River Project

<<...>> <<...>>

Joe,

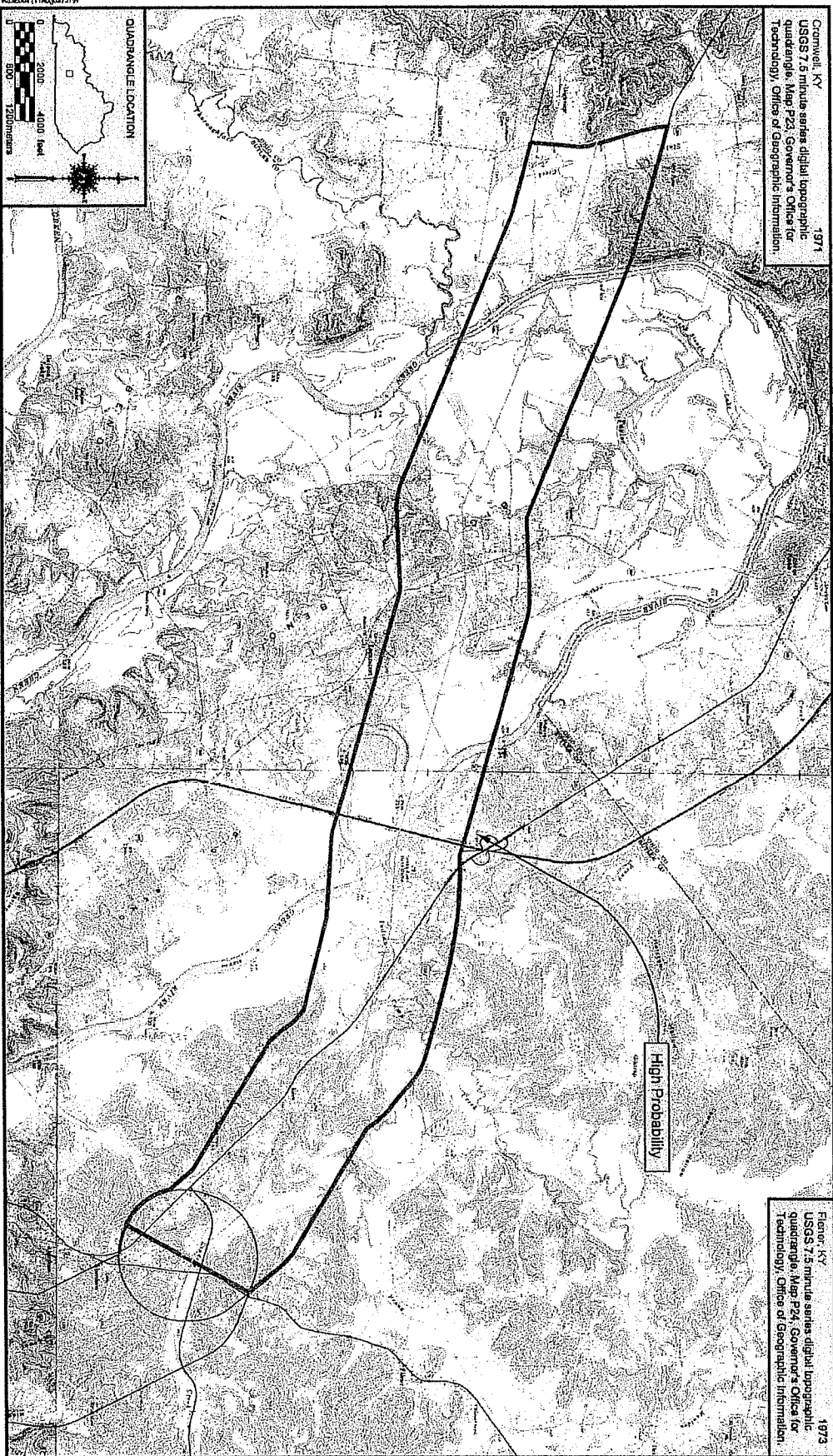
Attached are proposals to complete the historic architectural studies for Aberdeen to Wilson and Aberdeen to Memphis.

Steven D. Creasman, RPA
Vice President of Operations
Cultural Resource Analysts, Inc.
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Lexington, KY 40508
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859-254-3747 (fax)
www.crai-ky.com

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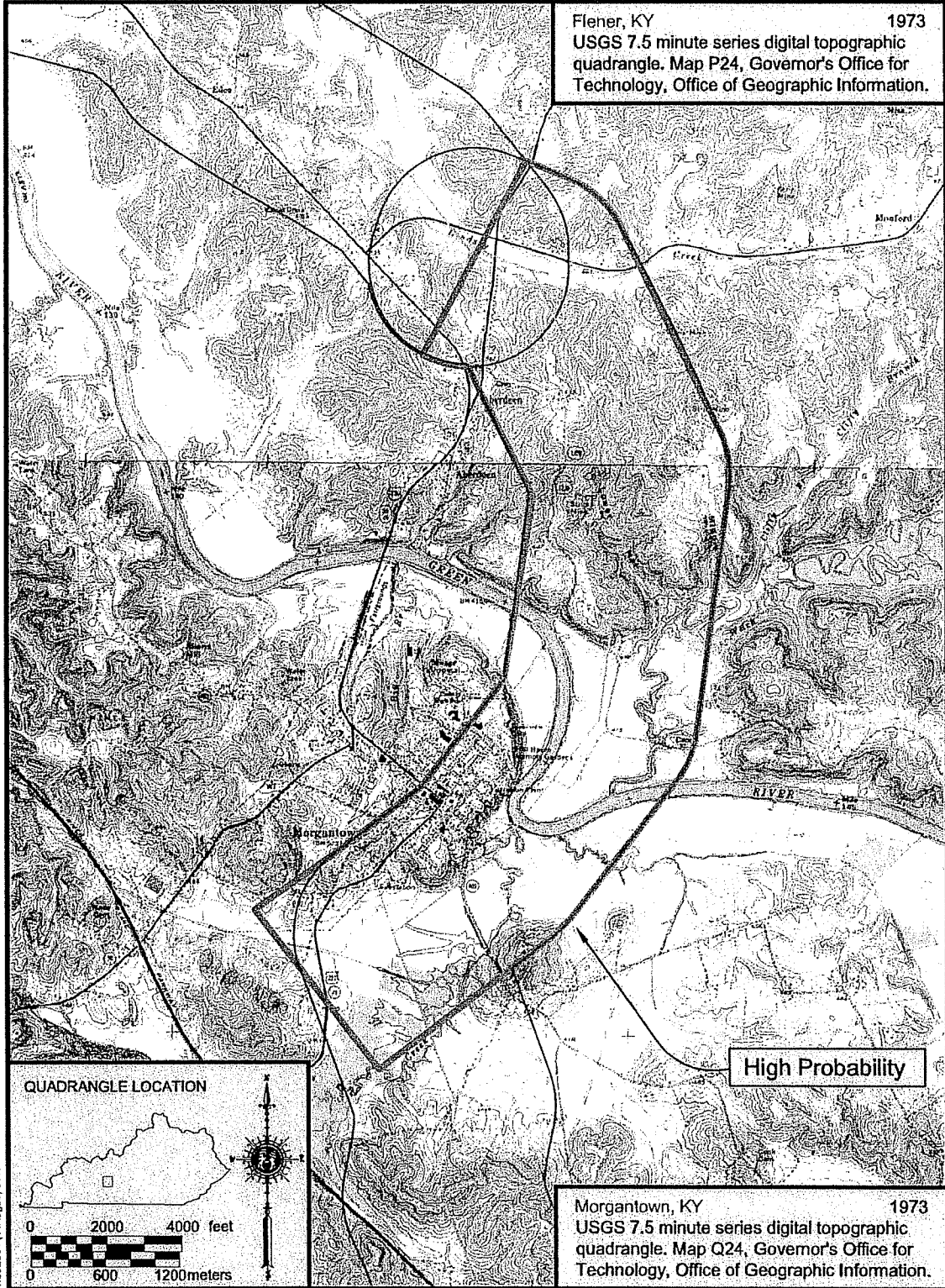
1971
Carmel, KY
USGS 7.5 minute series digital topographic
quadrangle, Map P23, Governor's Office for
Technology, Office of Geographic Information.

1973
Florence, KY
USGS 7.5 minute series digital topographic
quadrangle, Map P24, Governor's Office for
Technology, Office of Geographic Information.



Cultural Historic Study Area - Wilson to Aberdeen

Project Centerline
Cultural Historic APE
Area of High Probability



Cultural Historic Study Area - Memphis Jct - Aberdeen

- Project Centerline
- Cultural Historic APE
- Area of High Probability

From: Steven D. Creasman [creasman@crai-ky.com]

Sent: Tuesday, August 16, 2005 8:38 AM

To: Joe Settles

Cc: 'Craig Potts'; 'Rebecca Rapier'

Subject: RE: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area (Memphis Jct-Aberdeen).pdf

It will be included as part of the records but we want do intensive survey there.

From: Joe Settles [mailto:joe.settles@ekpc.coop]

Sent: Tuesday, August 16, 2005 7:36 AM

To: creasman@crai-ky.com

Cc: Craig Potts; Rebecca Rapier

Subject: RE: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

That looks good to me. I am still under the impression that we are going to leave the city of Morgantown out of the analysis. Is this correct?

Joe

-----Original Message-----

From: Steven D. Creasman [mailto:creasman@crai-ky.com]

Sent: Monday, August 15, 2005 4:09 PM

To: Joe Settles

Cc: Craig Potts; Rebecca Rapier

Subject: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

Joe

The attached maps show the areas where we will do intensive survey for historic structures.

Steve

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Tuesday, August 16, 2005 12:03 PM
To: creasman@crai-ky.com
Cc: Craig Potts; Rebecca Rapier; Brian Gasdorf; Chris Carpenter; Jeff Hohman; Josh Young; Missy Toncray; Seth Bishop
Subject: RE: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

Steve,

There was only 1 map attached.

Joe

-----Original Message-----

From: Steven D. Creasman [mailto:creasman@crai-ky.com]
Sent: Monday, August 15, 2005 4:09 PM
To: Joe Settles
Cc: Craig Potts; Rebecca Rapier
Subject: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

Joe

The attached maps show the areas where we will do intensive survey for historic structures.

Steve

From: Rebecca G. Rapier [rgrapier@crai-ky.com]
Sent: Thursday, August 18, 2005 11:39 AM
To: Joe Settles
Subject: RE: Historic Structures Survey Area
Joe-

For the purposes of the report, can you give me three distances?

- The length of the overall corridor from Memphis Jct to Aberdeen
- The length of the surveyed portion from Morgantown to Aberdeen
- The length of the overall corridor from Wilson to Aberdeen
- The length of the surveyed portion from KY 269 to Aberdeen

If you only have the two overall corridor lengths, that is fine. Our mapping crew can determine the surveyed areas. I just want to make sure if you guys have distances specified in your documents for the two projects that our distances match.

Thanks!
Becky

Becky Gatewood Rapier
Architectural Historian
Cultural Resource Analysts, Inc
151 Walton Avenue
Lexington, KY 40508
859-252-4737
www.crai-ky.com
rgrapier@crai-ky.com

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Tuesday, August 16, 2005 12:03 PM
To: creasman@crai-ky.com
Cc: Craig Potts; Rebecca Rapier; Brian Gasdorf; Chris Carpenter; Jeff Hohman; Josh Young; Missy Toncray; Seth Bishop
Subject: RE: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

Steve,
There was only 1 map attached.
Joe

-----Original Message-----

From: Steven D. Creasman [mailto:creasman@crai-ky.com]
Sent: Monday, August 15, 2005 4:09 PM

To: Joe Settles

Cc: Craig Potts; Rebecca Rapier

Subject: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

Joe

The attached maps show the areas where we will do intensive survey for historic structures.

Steve

From: Rebecca G. Rapier [rgrapier@crai-ky.com]

Sent: Tuesday, August 23, 2005 9:22 AM

To: Joe Settles

Cc: "Craig A. Potts"; "Steven D. Creasman"

Subject: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

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Thank you!

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Becky Gatewood
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www.crai-ky.com
rgrapier@crai-ky.com

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Tuesday, August 23, 2005 7:28 AM
To: Ronnie Terrill
Cc: Rebecca G. Rapier (E-mail)
Subject: FW: Historic Structures Survey Area

Ronnie,

Please send Becky the overall lengths for Memphis Junction - Aberdeen and Wilson to Aberdeen.

Becky - You should have that info very soon. Thanks for the help.

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Sent: Thursday, August 25, 2005 12:08 PM

To: Joe Settles

Cc: "Craig A. Potts"; "Steven D. Creasman"; Dominic Ballard; Ronnie Terrill

Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

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rgrapier@crai-ky.com

"The light at the end of the tunnel is a freight train"

From: Joe Settles [mailto:joe.settles@ekpc.coop]

Sent: Thursday, August 25, 2005 10:10 AM

To: rgrapier@crai-ky.com

Cc: "Craig A. Potts"; "Steven D. Creasman"; Dominic Ballard; Ronnie Terrill

Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

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From: Joe Settles [mailto:joe.settles@ekpc.coop]

Sent: Tuesday, August 16, 2005 12:03 PM

To: creasman@crai-ky.com

Cc: Craig Potts; Rebecca Rapier; Brian Gasdorf; Chris Carpenter; Jeff Hohman; Josh Young; Missy Toncray; Seth Bishop

Subject: RE: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

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There was only 1 map attached.

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From: Steven D. Creasman [mailto:creasman@crai-ky.com]

Sent: Monday, August 15, 2005 4:09 PM

To: Joe Settles

Cc: Craig Potts; Rebecca Rapier

Subject: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

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Steve

Joe Settles

From: Joe Settles
Sent: Friday, August 26, 2005 8:16 AM
To: 'rgrapier@crai-ky.com'
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

Becky,

The engineers have some additional changes to the text. I will forward it to you today.
Joe

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Thank you!
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9/14/2005

Joe Settles

From: Joe Settles
Sent: Tuesday, August 30, 2005 2:06 PM
To: 'rgrapier@crai-ky.com'
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

GM is General Motors. The project originates from a substation at the Corvette Plant in Bowling Green.

Joe

-----Original Message-----

From: Rebecca G. Rapier [mailto:rgrapier@crai-ky.com]
Sent: Tuesday, August 30, 2005 1:52 PM
To: Joe Settles
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

Noticed one of the edits from the engineers mentioned "the GM line" can you tell me what GM stands for? We are required to explain all abbreviations within our reports.

Thanks again!

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"The light at the end of the tunnel is a freight train"

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Friday, August 26, 2005 10:01 AM
To: Rebecca G. Rapier (E-mail)
Cc: Craig Potts (E-mail); Steven Creasman (E-mail); Dominic Ballard
Subject: FW: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

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9/14/2005

any questions with the changes.
Joe

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From: Dominic Ballard
Sent: Friday, August 26, 2005 9:30 AM
To: Joe Settles
Cc: Ronnie Terrill; Thad Mumm
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

My comments are attached.

Dominic

-----Original Message-----

From: Joe Settles
Sent: Thursday, August 25, 2005 1:12 PM
To: 'rgrapier@crai-ky.com'
Cc: "Craig A. Potts"; "Steven D. Creasman"; Dominic Ballard; Ronnie Terrill
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

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To: 'rgrapier@crai-ky.com'
Cc: Steven Creasman (E-mail)
Subject: RE: FYI on Wilson-Aberdeen

Thanks for the update. What happened to the 140? Has it been reduced to 3? Also, any idea when we will be ready to sit down with SHPO and all of the consulting parties?

Joe

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From: Rebecca G. Rapier [mailto:rgrapier@crai-ky.com]
Sent: Tuesday, August 30, 2005 1:45 PM
To: Joe Settles
Subject: FYI on Wilson-Aberdeen

Earlier I gave you four sites located within the Wilson-Aberdeen project. We are not ruling out the Walnut Grove Church as an eligible site. After looking over some of our research and the earlier survey of the site we realized some material replacement/introduction that we could not verify in the field. So, we now have three total sites for the report (Borah House, Carson's Landing, and Newton Road house).

Thanks!

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From: Joe Settles
Sent: Tuesday, August 30, 2005 2:20 PM
To: 'rgrapier@crai-ky.com'
Cc: Dominic Ballard
Subject: RE: Wilson-Aberdeen project description

I have looked at the description, and it looks fine to me. The engineers should send you a final ruling shortly.

Joe

-----Original Message-----

From: Rebecca G. Rapier [mailto:rgrapier@crai-ky.com]
Sent: Tuesday, August 30, 2005 1:43 PM
To: Joe Settles
Subject: Wilson-Aberdeen project description

Joe-

Here is the project description for the Wilson-Aberdeen project. Once again, can you and the others look this over to make sure it is the most up-to-date info (as you did for the Memphis Jct-Aberdeen portion)? Thank you!

Becky

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From: Dominic Ballard
Sent: Friday, August 26, 2005 9:30 AM
To: Joe Settles
Cc: Ronnie Terrill; Thad Mumm
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

My comments are attached.

Dominic

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From: Joe Settles
Sent: Thursday, August 25, 2005 1:12 PM
To: 'rgrapier@crai-ky.com'
Cc: "Craig A. Potts"; "Steven D. Creasman"; Dominic Ballard; Ronnie Terrill
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

Thanks for the map. I thought you already had that mileage. I will get it to you today.

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From: Rebecca G. Rapier [mailto:rgrapier@crai-ky.com]
Sent: Thursday, August 25, 2005 12:08 PM
To: Joe Settles
Cc: "Craig A. Potts"; "Steven D. Creasman"; Dominic Ballard; Ronnie Terrill
Subject: RE: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic

9/14/2005

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survey update

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Thanks!
Becky

Becky Gatewood
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"The light at the end of the tunnel is a freight train"

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Thursday, August 25, 2005 10:10 AM
To: rgrapier@crai-ky.com
Cc: "Craig A. Potts"; "Steven D. Creasman"; Dominic Ballard; Ronnie Terrill
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Thank you!
Becky

Becky Gatewood
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9/14/2005

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From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Tuesday, August 23, 2005 7:28 AM
To: Ronnie Terrill
Cc: Rebecca G. Rapier (E-mail)
Subject: FW: Historic Structures Survey Area

Ronnie,

Please send Becky the overall lengths for Memphis Junction - Aberdeen and Wilson to Aberdeen.

Becky - You should have that info very soon. Thanks for the help.

Joe

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From: Rebecca G. Rapier [mailto:rgrapier@crai-ky.com]
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To: Joe Settles
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Joe-

For the purposes of the report, can you give me three distances?

- The length of the overall corridor from Memphis Jct to Aberdeen
- The length of the surveyed portion from Morgantown to Aberdeen
- The length of the overall corridor from Wilson to Aberdeen
- The length of the surveyed portion from KY 269 to Aberdeen

If you only have the two overall corridor lengths, that is fine. Our mapping crew can determine the surveyed areas. I just want to make sure if you guys have distances specified in your documents for the two projects that our distances match.

Thanks!
Becky

Becky Gatewood Rapier

9/14/2005

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From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Tuesday, August 16, 2005 12:03 PM
To: creasman@crai-ky.com
Cc: Craig Potts; Rebecca Rapier; Brian Gasdorf; Chris Carpenter; Jeff Hohman; Josh Young; Missy Toncray; Seth Bishop
Subject: RE: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

Steve,
There was only 1 map attached.
Joe

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From: Steven D. Creasman [mailto:creasman@crai-ky.com]
Sent: Monday, August 15, 2005 4:09 PM
To: Joe Settles
Cc: Craig Potts; Rebecca Rapier
Subject: Historic Structures Survey Area(Wilson-Aberdeen).pdf, Historic Structures Survey Area(Memphis Jct-Aberdeen).pdf

Joe

The attached maps show the areas where we will do intensive survey for historic structures.

Steve

Joe Settles

From: Joe Settles
Sent: Tuesday, August 30, 2005 2:44 PM
To: Rebecca G. Rapier (E-mail)
Subject: FW: Wilson-Aberdeen project description

Becky,
The engineers have OK'd the project description.
Joe

-----Original Message-----

From: Dominic Ballard
Sent: Tuesday, August 30, 2005 2:25 PM
To: Joe Settles
Subject: RE: Wilson-Aberdeen project description

Looks OK to me

-----Original Message-----

From: Joe Settles
Sent: Tuesday, August 30, 2005 2:20 PM
To: 'rgrapier@crai-ky.com'
Cc: Dominic Ballard
Subject: RE: Wilson-Aberdeen project description

I have looked at the description, and it looks fine to me. The engineers should send you a final ruling shortly.
Joe

-----Original Message-----

From: Rebecca G. Rapier [mailto:rgrapier@crai-ky.com]
Sent: Tuesday, August 30, 2005 1:43 PM
To: Joe Settles
Subject: Wilson-Aberdeen project description

Joe-

Here is the project description for the Wilson-Aberdeen project. Once again, can you and the others look this over to make sure it is the most up-to-date info (as you did for the Memphis Jct-Aberdeen portion)? Thank you!

Becky

EKPC provides electric power for 89 Kentucky counties, through 16 locally-owned cooperatives. EKPC and the 16 current cooperatives are a part of Kentucky's Touchstone

9/14/2005

Energy Cooperatives. EKPC proposes to construct a new transmission line through Ohio and Butler counties from the Warren Rural Electric Cooperative Corporation (RECC) Aberdeen Substation in Butler County approximately 25 miles to Big Rivers Electric Corporation's D.B. Wilson Plant in Ohio County. This will be a single-circuit 161-kilovolt (kV) line on a 100-ft right-of-way. This proposed project is a portion of a 90-mile project. The entire completed project will connect the systems of EKPC and Warren Rural Electric Cooperative Corporation (Warren RECC), providing service to Warren by 2008 and improving grid consistency. Once completed, Warren RECC will become the 17th cooperative within the system.

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"The light at the end of the tunnel is a freight train"

From: Joe Settles [mailto:joe.settles@ekpc.coop]
Sent: Friday, August 26, 2005 10:01 AM
To: Rebecca G. Rapier (E-mail)
Cc: Craig Potts (E-mail); Steven Creasman (E-mail); Dominic Ballard
Subject: FW: Aberdeen-Memphis Jct and Wilson-Aberdeen cultural historic survey update

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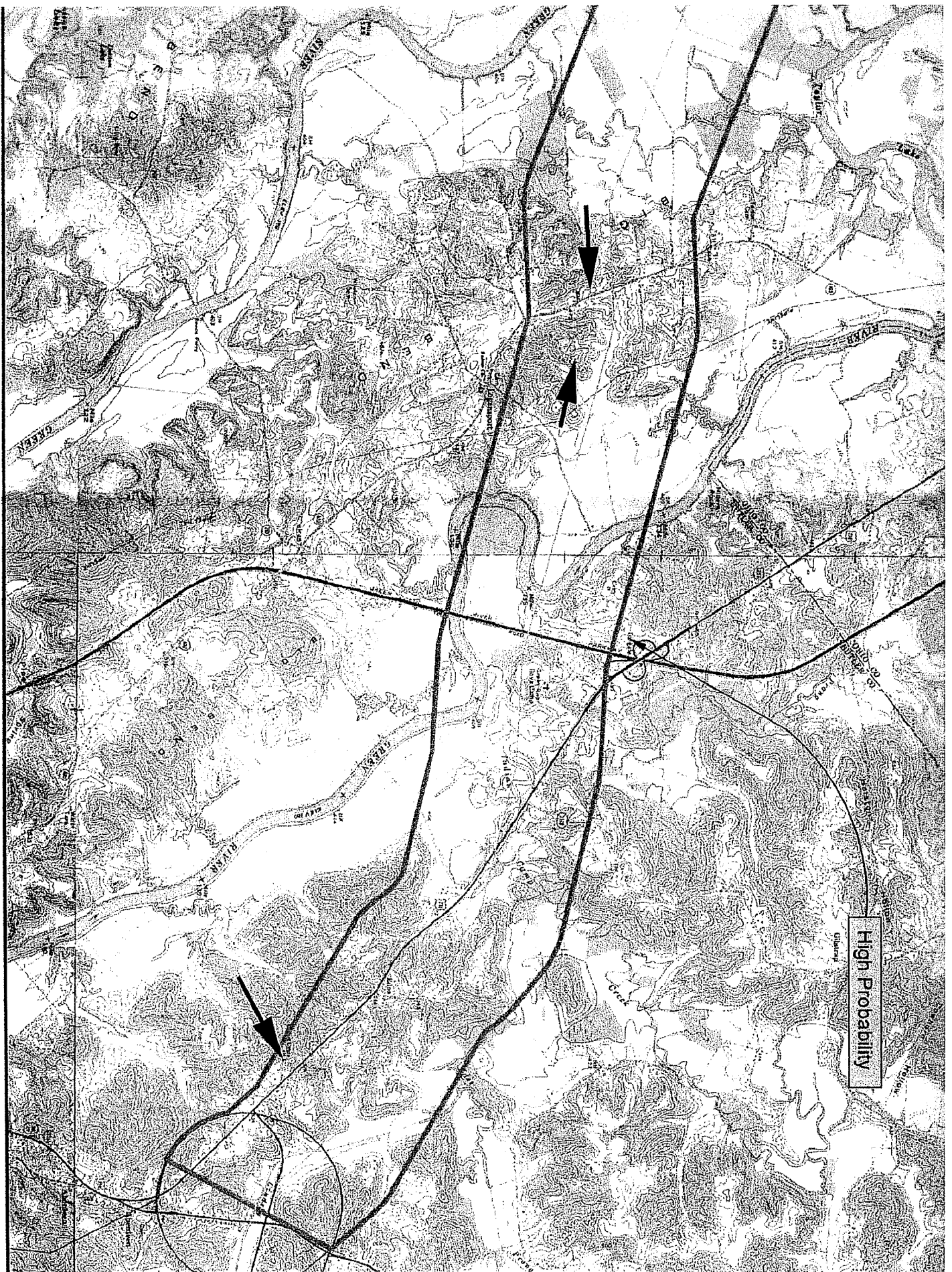
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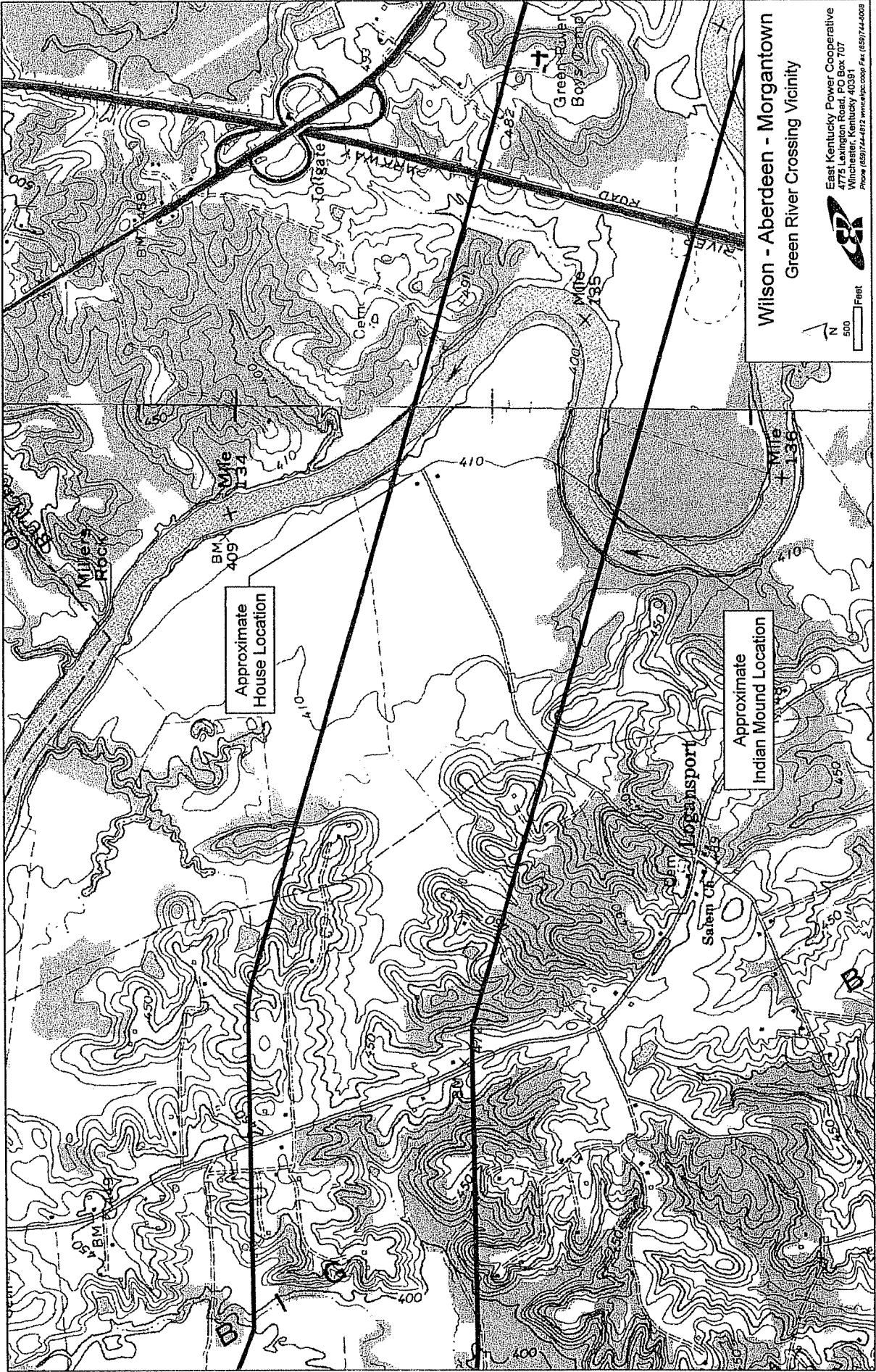
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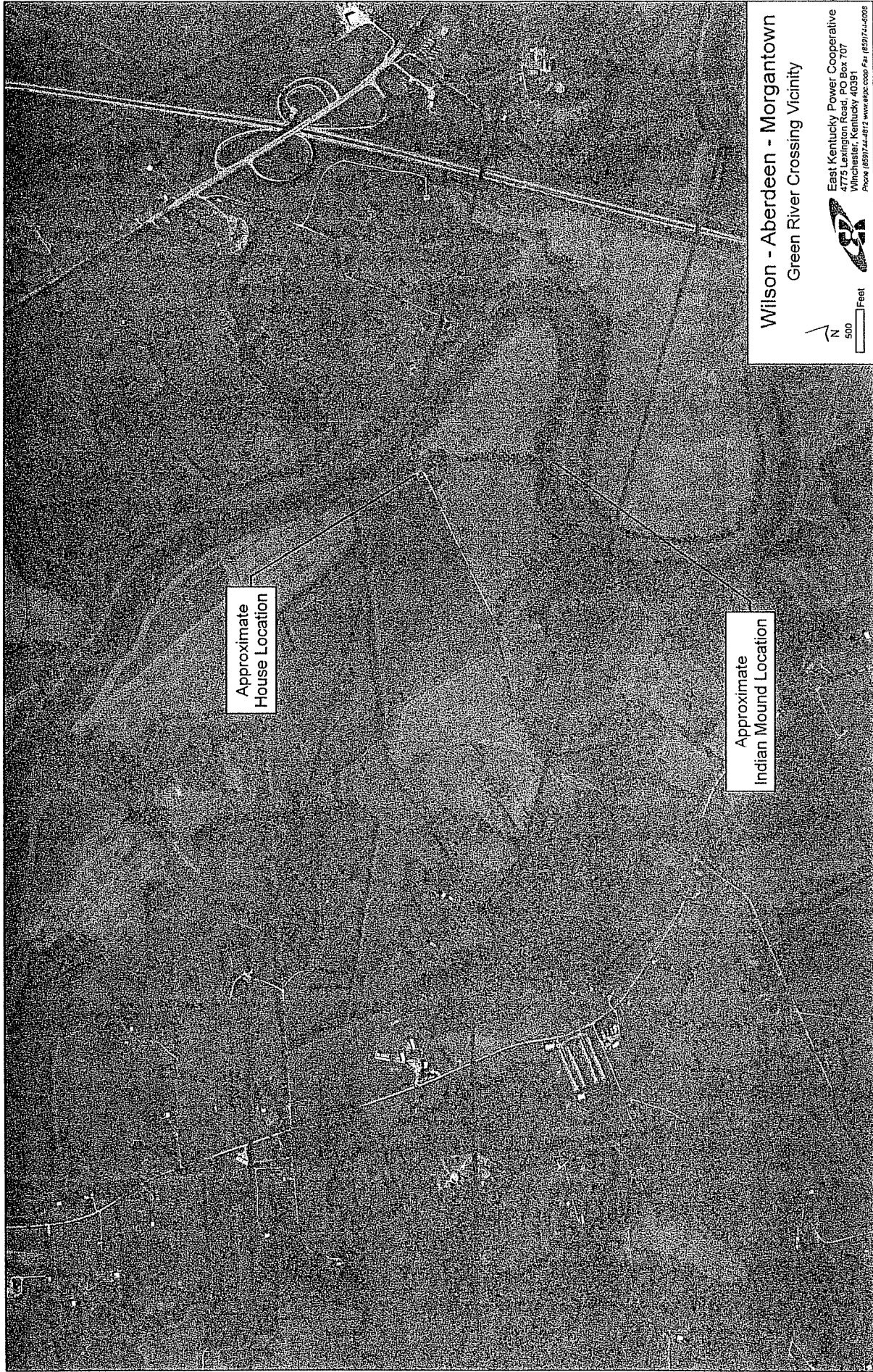


Wilson - Aberdeen - Morgantown
Green River Crossing Vicinity

East Kentucky Power Cooperative
4775 Lexington Road, PO Box 707
Winchester, Kentucky 40391
Phone (607) 744-4972, www.ekpc.coop, Fax (607) 744-0088

Approximate House Location


Approximate Indian Mound Location




Approximate House Location

Approximate Indian Mound Location

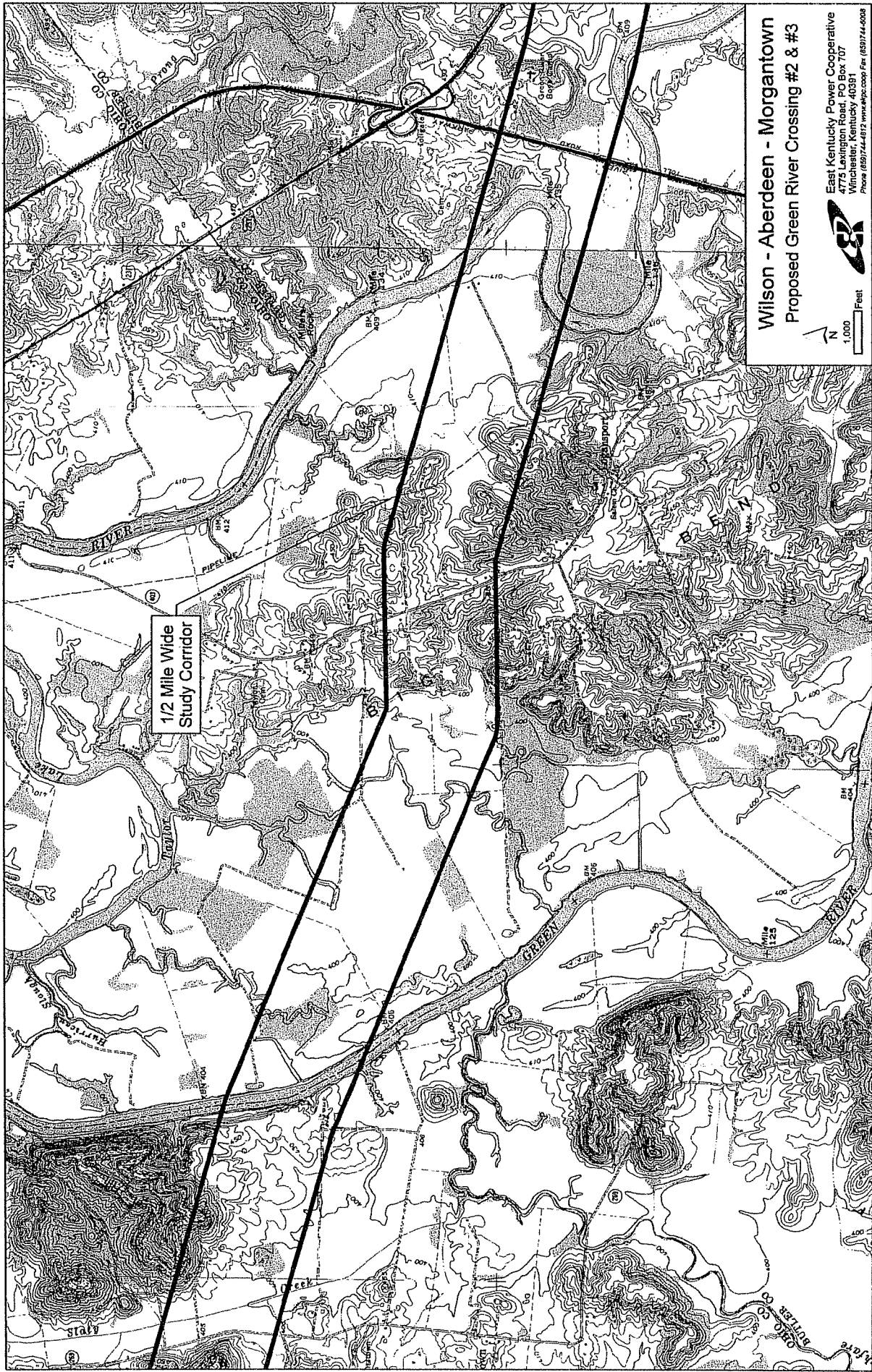
Wilson - Aberdeen - Morgantown
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Winchester, Kentucky 40391
Phone (606) 444-8172, www.ekpc.com Fax (606) 444-8088

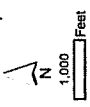


500 Feet

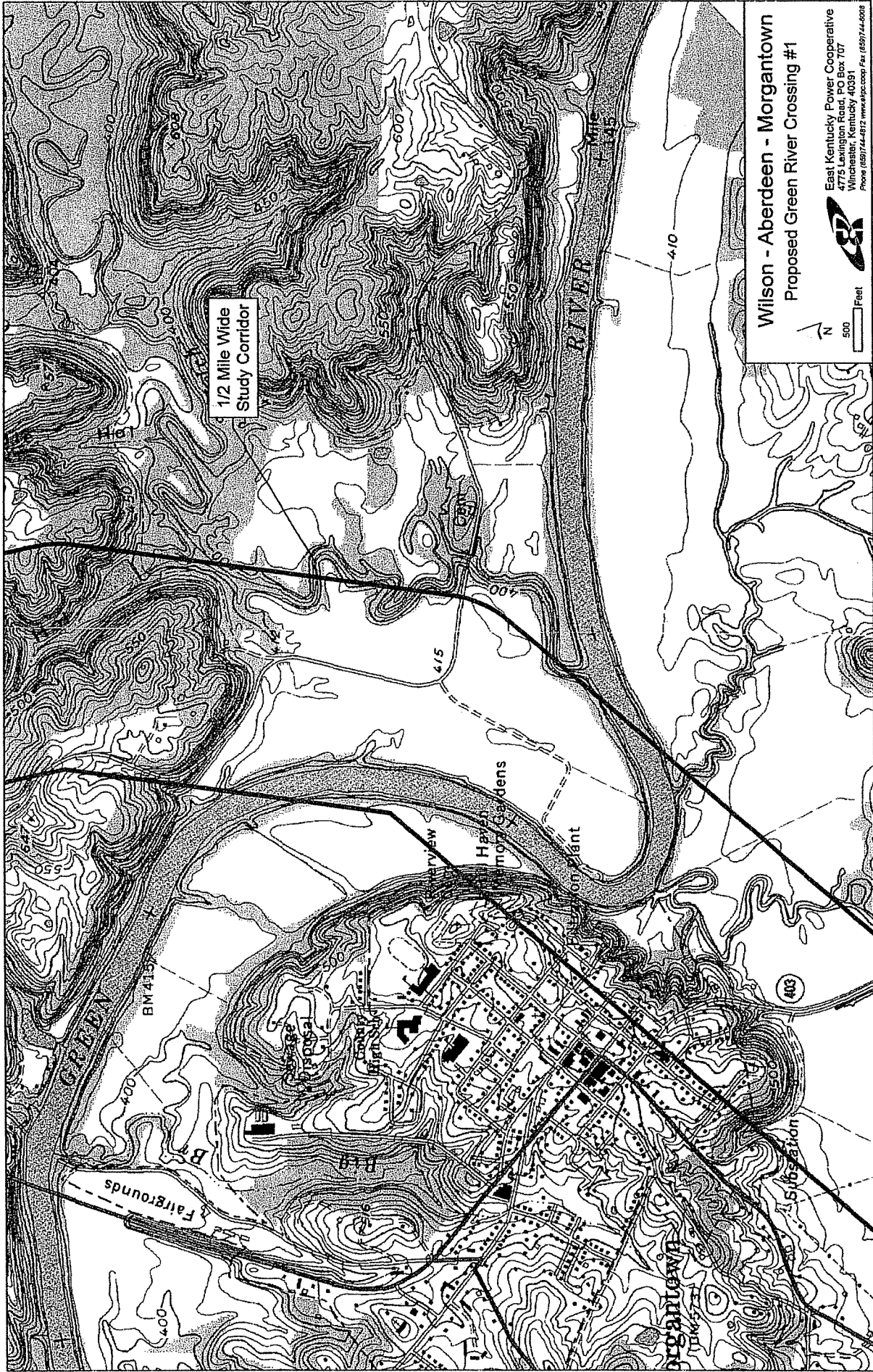


1/2 Mile Wide Study Corridor

Wilson - Aberdeen - Morganatown Proposed Green River Crossing #2 & #3



East Kentucky Power Cooperative
4775 Lexington Road, PO Box 707
Winchester, Kentucky 40391
Phone (606) 744-6172, (606) 744-6000 Fax (606) 744-6000

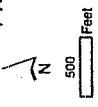


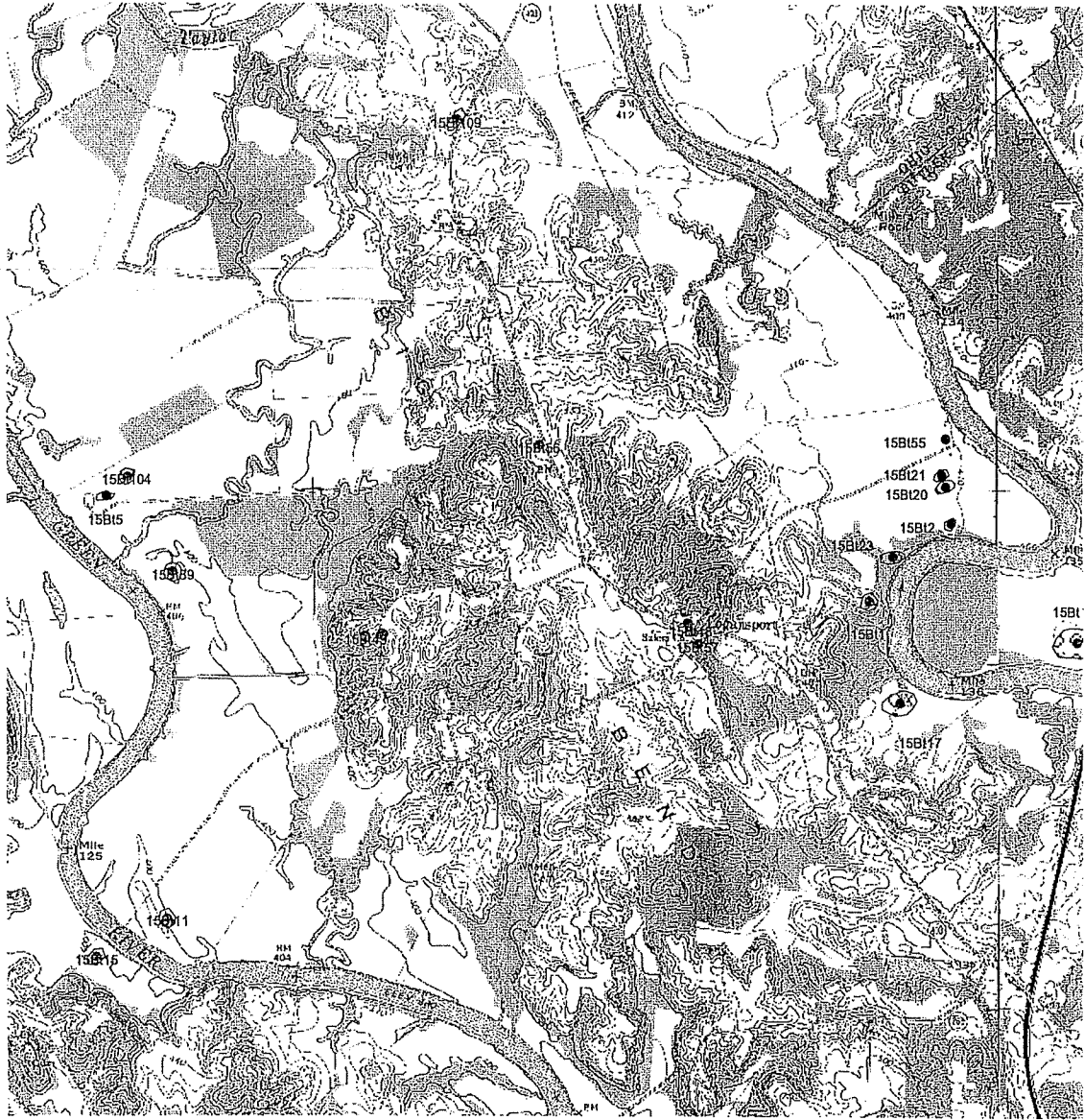
1/2 Mile Wide Study Corridor

Wilson - Aberdeen - Morgantown Proposed Green River Crossing #1



East Kentucky Power Cooperative
4779 Lexington Road, PO Box 707
Winchester, Kentucky, 40391
Phone: (606) 744-8112 www.ekpc.com Fax: (606) 744-8008

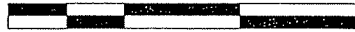







Office of State Archaeology
 100 West Street
 KY 40506-9854

(606) 257-8208
 (606) 323-1968

0.6 0 0.6 1.2 Kilometers



Zone 16

- Site Centerpoints
-  Archaeological Sites
-  Unconfirmed Sites
-  Archaeological Surveys

Data available as of

United States Department of the Interior
National Park Service

National Register of Historic Places
Registration Form

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in *How to Complete the National Register of Historic Places Registration Form* (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name Carson's Landing

other names/site number Annis Ferry Farm/BT-1

2. Location

street & number 1086 Annis Ferry Road N/A not for publication

city or town Morgantown vicinity

state Kentucky code KY county Butler code 031 zip code 42261

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)

David L. Morgan, SHPO and
Executive Director 6-3-98
Signature of certifying official/Title Date
Kentucky Heritage Council/State Historic Preservation Office

State of Federal agency and bureau _____

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

Signature of commenting official/Title _____ Date _____

State or Federal agency and bureau _____

4. National Park Service Certification

I hereby certify that the property is:

entered in the National Register.
 See continuation sheet.

determined eligible for the National Register
 See continuation sheet.

determined not eligible for the National Register.

removed from the National Register.

other, (explain): _____

Signature of the Keeper _____

Date of Action _____

Carson's Landing (BT-1)
Name of Property

Butler County, Kentucky
County and State

5. Classification

Ownership of Property

(Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

Category of Property

(Check only one box)

- building(s)
- district
- site
- structure
- object

Number of Resources within Property

(Do not include previously listed resources in the count.)

Contributing	Noncontributing	
1	3	buildings
1		sites
		structures
		objects
2	3	Total

Number of contributing resources previously listed in the National Register

None

Name of related multiple property listing

(Enter "N/A" if property is not part of a multiple property listing.)

N/A

6. Function or Use

Historic Functions

(Enter categories from instructions)

- Domestic/Single Dwelling
- Commerce/Trade/Warehouse
- Commerce/Trade/Department Store
- Transportation/Water-Related

Current Functions

(Enter categories from instructions)

- Domestic/Single Dwelling

7. Description

Architectural Classification

(Enter categories from instructions)

- Mid-19th Century/Greek Revival

Materials

(Enter categories from instructions)

- foundation Stone/Sandstone & Concrete/Block
- walls Original Section: Metal/Aluminum
- Rear Ell Addition: Wood/Weatherboard
- roof Other/Composition Shingles
- other

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

Carson's Landing (BT-1)
Name of Property

Butler County, Kentucky
County and State

8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- A** Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B** Property is associated with the lives of persons significant in our past.
- C** Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D** Property has yielded, or is likely to yield, information important in prehistory or history.

Areas of Significance

(Enter categories from instructions)

Commerce

Transportation

Period of Significance

1853-1924

Significant Dates

1853

Significant Person

(Complete if Criterion B is marked above)

N/A

Cultural Affiliation

N/A

Architect/Builder

Unknown

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- A** owned by a religious institution or used for religious purposes.
- B** removed from its original location.
- C** a birthplace or grave.
- D** a cemetery.
- E** a reconstructed building, object, or structure.
- F** a commemorative property.
- G** less than 50 years of age or achieved significance within the past 50 years.

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

Bibliography

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey # _____
- recorded by Historic American Engineering Record # _____

Primary location of additional data:

- State Historic Preservation Office
- Other State agency
- Federal agency
- Local government
- University
- Other

Name of repository:

Kentucky Library, Western Kentucky University