


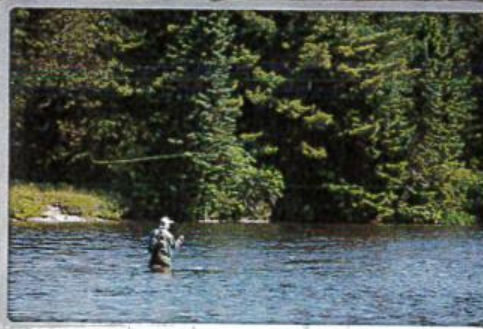
**Exhibit 7**  
**Wild and Scenic River Data**

Apps, Desktop PCs, Tablets ... Search...



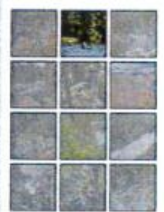
# NATIONAL WILD AND SCENIC RIVERS SYSTEM


NATIONAL SYSTEM
MANAGEMENT
RE SOURCE S
PUBICATIONS
CONTACT US
50 YEARS
SITE INDEX



**DID YOU KNOW...**

Less than 1/2 of 1% of our rivers are protected under the National Wild & Scenic Rivers System.






**Latest News**

(December 1, 2020) Maine's senators introduced legislation to designate the York River in Maine as a wild & scenic river. The National Park Service has found the river to be eligible and suitable for protection under the National System.


(October 15, 2020) The U.S. Forest Service has released a Draft Management Plan for the Middle Fork Snoqualmie and Pratt Rivers (Washington).

(October 13, 2020) Legislation has been introduced to designate the Little Manatee River in Florida as a wild & scenic river.

Desktop PCs, Tablets, ...




# NATIONAL WILD AND SCENIC RIVERS SYSTEM



NATIONAL SYSTEM
MANAGEMENT
RESOURCES
PUBLICATIONS
CONTACT US
50 YEARS
SITE INDEX


## KENTUCKY

Kentucky has approximately 45,105 miles of river, of which 15.4 miles of one river are designated as wild & scenic—less than 4/100ths of 1% of the state's river miles.



+ View larger map


### EXPLORE DESIGNATED RIVERS



Choose A State

Choose A River

*Mourished by the fertile soils of the region, rivers of the Midwest explode with life, from great avian migrations to ancient fishes.*



Home
Search
Help

**Exhibit 8**  
**Air Quality Data**





ANDY BESHEAR  
GOVERNOR

REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

ANTHONY R. HATTON  
COMMISSIONER

300 SOWER BOULEVARD  
FRANKFORT, KENTUCKY 40601  
TELEPHONE: 502-564-2150  
TELEFAX: 502-564-4245

October 23, 2020

Kentucky River Area Development District  
941 N. Main St.  
Hazard, KY 41701

Re: Breathitt Co. Water District--Breathitt Waterline Ext. Phase 2 Project (WX21025033)--SERO  
2020-39

Dear Ms. McIntosh,

The Energy and Environment Cabinet serves as the state clearinghouse for review of environmental documents generated pursuant to the National Environmental Policy Act (NEPA). Within the Cabinet, the Commissioner's Office in the Department for Environmental Protection coordinates the review for Kentucky state agencies. We received your letter requesting an environmental review for this project. We have reviewed the document and provided comments below.

**Division of Water**

**Water Infrastructure Branch:**

The non-significant deficiency noted as a result of the most recent Sanitary Survey (October 2017) should have been sufficiently addressed by this point. Additionally, recommendations listed within the most recent Sanitary Survey results letter (dated January 18, 2018), which have not already been implemented, are highly advised. Questions should be directed to Jennifer Taimi, Municipal Planning Section, (502) 782-7087, [Jennifer.Taimi@ky.gov](mailto:Jennifer.Taimi@ky.gov).

Plans and specifications that have been signed stamped and dated by a licensed professional engineer in Kentucky shall be submitted to the DOW for review and approval prior to the start of construction. Questions should be directed to Terry Humphries, Engineering Section, (502) 782-6983, [Terry.Humphries@ky.gov](mailto:Terry.Humphries@ky.gov).

**Water Quality Branch:**

Joe Ward Fork is included as a candidate Outstanding State Resource Water (OSRW) due to the support of a federally listed threatened or endangered species in the Frozen Creek Watershed. 401 KAR 10:031 Section 8 specifies additional water quality criteria that apply to OSRWs. In addition, best management practices should be utilized to reduce runoff from project

construction activities into nearby waters. Questions should be directed to Andrea Fredenburg, Water Quality Branch, (502) 782-6950, [Andrea.Fredenburg@ky.gov](mailto:Andrea.Fredenburg@ky.gov).

**Water Resources Branch:**

For pipeline stream crossings that are not covered under 401 KAR 4:050, a Kentucky DOW Application for Permit to Construct Across or Along a Stream must be submitted. Questions should be directed to Shawn Hokanson, Floodplain Management Section, (502) 782-6977, [Shawn.Hokanson@ky.gov](mailto:Shawn.Hokanson@ky.gov).

**Watershed Management:**

The pipeline construction along Big South Fork Branch Road and the pump station rehabilitation along KY-30 of this proposed project are within the Jackson Municipal Water Works designated Source Water Protection Areas, Zone # 1, 2, and 3. This proposed project is calculated to add approximately .0005 to .0006 Million Gallons per Day (MGD) of water demand. Questions should be directed to Chloe Brantley, Water Supply Section, (502) 782-6898, [Chloe.Brantley@ky.gov](mailto:Chloe.Brantley@ky.gov).

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, there are domestic groundwater water well users in the vicinity of the proposed work. It is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Adam Nolte, Groundwater Section, (502) 782-1312, [Adam.Nolte@ky.gov](mailto:Adam.Nolte@ky.gov) or Kurtis Spears, Groundwater Section, (502) 782-7119, [Kurtis.Spears@ky.gov](mailto:Kurtis.Spears@ky.gov).

**Field Operations Branch:**

Endorse. Questions should be directed to Daniel Fraley, Field Operations Branch, (606) 783-8655, [Daniel.Fraley@ky.gov](mailto:Daniel.Fraley@ky.gov).

**Enforcement Branch:**

The Division of Enforcement does not object to the project proposed by the applicant. Questions should be directed to Tim Harrod, Division of Enforcement, (502) 782-6858, [Timothy.Harrod@ky.gov](mailto:Timothy.Harrod@ky.gov).

**Division of Waste Management**

UST Branch records indicate the following underground storage tank site issues identified within the project impact area:

Active Sites:

**Dex Mini Mart**

**MASTER AI ID:** 56790

**LONGITUDE:** -83.34020000000001

**LATITUDE:** 37.5349

**Jiffy Mart Inc**

**MASTER AI ID:** 56776

**LONGITUDE:** -83.34020000000001  
**LATITUDE:** 37.5349

**Go Time 3**

**MASTER AI ID:** 56743  
**LONGITUDE:** -83.34020000000001  
**LATITUDE:** 37.5349

**Closed Sites:**

**Route 30 Truck Stop**  
**MASTER AI ID:** 56729  
**LONGITUDE:** -83.46776426  
**LATITUDE:** 37.49762697

**Breathitt Co State Maintenance Garage**

**MASTER AI ID:** 407  
**LONGITUDE:** -83.341522  
**LATITUDE:** 37.541881

**C & J Supermarket**

**MASTER AI ID:** 56731  
**LONGITUDE:** -83.34020000000001  
**LATITUDE:** 37.5349

**Strong Property**

**MASTER AI ID:** 70009  
**LONGITUDE:** -83.33980000000001  
**LATITUDE:** 37.535000000000004

If any UST's are encountered during the project construction they should be reported to KDWM. Any UST issues or questions should be directed to the UST Branch.

Superfund Branch records indicate the following superfund site issue identified within the project impact area:

**Breathitt Co State Maintenance Garage**

**MASTER AI ID:** 407  
**SUBJECT ITEM DESIGNATION:** KYTC Maint. Garage  
**CLOSURE OPTION DESC:** Option B Contained/Managed  
**CLOSURE DATE:** 04/24/2011  
**LAT LONG SOURCE:** SI  
**LONGITUDE:** -83.341667  
**LATITUDE:** 37.541667

Any superfund issues or questions should be directed to the Superfund Branch.

Solid Waste Branch records indicate no active or historic landfill sites within the project impact area. Any solid waste issues or questions should be directed to the Solid Waste Branch.

Hazardous Waste Branch records indicate no hazardous waste issues identified within the project impact area. Any hazardous waste issues or questions should be directed to the Hazardous Waste Branch.

RLA Branch records indicate the following RLA tracked open dumps within the project impact area:

**MASTER AI ID:** 71850

**MASTER AI NAME:** Hwy 30 East Dump

**USER GROUP DESCRIPTION:** RCLA Dump ID

**ALTERNATE AI ID:** 013-005

**LONGITUDE:** -83.34605556

**LATITUDE:** 37.54855556

**MASTER AI ID:** 103944

**MASTER AI NAME:** Big Branch - South Fork Dump

**USER GROUP DESCRIPTION:** RCLA Dump ID

**ALTERNATE AI ID:** 013-076

**LONGITUDE:** -83.3408

**LATITUDE:** 37.54

Any questions or issues should be directed to the RLA Branch.

All solid waste generated by this project must be disposed of at a permitted facility.

If asbestos, lead paint and/or other contaminants are encountered during this project contact the Division of Waste Management for proper disposal and closure.

The information provided is based on those facilities or sites that KDWM currently has in its database. If you would like additional information on any of these facilities or sites, you may contact the file room custodian at (502) 782-6357. Please keep in mind additional locations of releases, potential contamination or waste facilities may be present but unknown to the agency. Therefore, it is recommended that appropriate precautions be taken during construction activities. Please report any evidence of illegal waste disposal facilities and releases of hazardous substances, pollutants, contaminants or petroleum to the 24-hour Environmental Response Team at 1-800-928-2380.

#### Division for Air Quality

**401 KAR 63:010**, Fugitive Emissions, states that no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored without taking reasonable precaution to prevent particulate matter from becoming airborne. Additional requirements include the covering of open bodied trucks, operating outside the work area transporting materials likely to become airborne, and that no one shall allow earth or other material being transported by truck or earth-moving equipment to be deposited onto a paved street or roadway. Please note the



Fugitive Emissions Fact Sheet located at <https://eec.ky.gov/Environmental-Protection/Air/Documents/Fugitive%20Dust%20Fact%20Sheet.pdf>

**401 KAR 63:005** states that open burning shall be prohibited except as specifically provided. Open Burning is defined as the burning of any matter in such a manner that the products of combustion resulting from the burning are emitted directly into the outdoor atmosphere without passing through a stack or chimney. However, open burning may be utilized for the expressed purposes listed on the Open Burning Brochure located at <https://eec.ky.gov/Environmental-Protection/Air/Pages/Open-Burning.aspx>

The Division would like to offer the following suggestions on how this project can help us stay in compliance with the NAAQS. These air quality control strategies are beneficial to the health of citizens of Kentucky.

- Utilize alternatively fueled equipment.
- Utilize other emission controls that are applicable to your equipment.
- Reduce idling time on equipment.

The Division also suggests an investigation into compliance with applicable local government regulations.

### **Kentucky Nature Preserves**

Your project might have the potential of impacting federally or state listed species and natural communities. Go to the Kentucky Biological Assessment Tool ([kynaturepreserves.org](http://kynaturepreserves.org)) to obtain a Standard Occurrence Report for information regarding listed species known within your project area. The report will also provide information on public and private conservation lands, areas of biodiversity significance, and other natural resources in your project area for which the Office of Kentucky Nature Preserves maintains data.

This review is based upon the information that was provided by the applicant. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments. If you should have any questions, please contact me at (502) 782-0863 or e-mail [Louanna.Aldridge@ky.gov](mailto:Louanna.Aldridge@ky.gov).

Sincerely,



Louanna Aldridge  
Staff Assistant  
Office of the Commissioner  
Department for Environmental Protection  
Energy and Environment Cabinet

ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

300 SOWER BOULEVARD  
FRANKFORT, KENTUCKY 40601

November 6, 2020

To whom it may concern:

As part of the Federal Assistance Review I completed for the Breathitt Waterline Extensions Phase 2 project (WX21025033), I endorsed the project with a comment stating the non-significant deficiency Breathitt County Water District received from the October 2017 Sanitary Survey needed to be addressed. The deficiency has been corrected. Also of note, Breathitt County Water District had a Sanitary Survey last month (October 2020) and received no deficiencies.

If you have any questions, please feel free to contact me at [jennifer.taimi@ky.gov](mailto:jennifer.taimi@ky.gov) or 502-782-7087.

Sincerely,

A handwritten signature in cursive script that reads "Jennifer M. Taimi".

Jennifer M. Taimi  
Environmental Scientist  
Kentucky Division of Water





ANDY BESHEAR  
GOVERNOR

REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
**OFFICE OF KENTUCKY NATURE PRESERVES**

ZEB WEESE  
EXECUTIVE DIRECTOR

300 SOWER BOULEVARD  
FRANKFORT, KENTUCKY 40601  
TELEPHONE: 502-573-2886  
TELEFAX: 502-564-7484

December 16, 2020

Shannon Ritchie  
Kentucky River Area Development District  
941 North Main Street  
Hazard, KY 41701

Project: Breathitt Waterline Extensions Phase 2  
Project ID: 21-0077  
Project Type: Standard (\*customers will be invoiced), 1 mile buffer (\$120 fee)  
Site Acreage: 113.30  
Site Lat/Lon: 37.615039 / -83.490780  
County: Breathitt  
USGS Quad: JACKSON  
Watershed HUC12: War Creek-North Fork Kentucky River

Dear Shannon Ritchie,

This letter is in response to your data request for the project referenced above. 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 Office of Kentucky Nature Preserves occur within your general project area. Your project does pose a concern at this time, therefore please see the attached reports and [report key](#) for more detailed information.

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 Office of Kentucky Nature Preserves, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Office of Kentucky Nature Preserves." The exact location of plants, animals, and natural communities, if released by the Office of Kentucky Nature Preserves, 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 Biological Assessment Branch (300 Sower Blvd - 4th Floor, Frankfort, KY, 40601. Phone: 502-782-7828).

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

Project ID: 21-0077  
December 16, 2020  
Page 2

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,

Elizabeth Mason  
Geoprocessing Specialist

**Standard Occurrence Report**  
**KNP monitored species within 1 Miles of Project Area**

ID	Scientific Name	Common Name	G Rank	S Rank	SPROT	USES A	STWG	Last Obs Date	Precision	EO Rank	Lat / Lon	Directions	Habitat
3	<i>Fusconia subrotunda</i>	Longsolid	G3	S3	S	Y	Y	1997-08-28	S	D	37.6108 / -83.49	NORTH FORK KENTUCKY RIVER AT WAR CREEK	Gravel bars and deep pools in large rivers and large to medium-sized streams (Ahlfstedt 1994, Goodrich and Van Der Schalie 1994, Neel and Allen 1984, Parmalee 1987).
33	<i>Nycticeilus humeralis</i>	Evening Bat	G5	S4	N	Y	Y	1930-pre	C	U	37.511 / -83.264	Breathitt Co.	The evening bat is a colonial species that roosts in trees and houses. It apparently migrates southward in winter.

**Critical Habitats within 1 Miles of Project Area**

Critical Habitat Name	Unit Name	Subunit Name	Federal Register
Holly Creek	Cave Branch	81FR69312	Federal Register

**Bat Habitats within 1 Miles of Project Area**

Habitat	Species	USFWS	Contact
IMMER 1	<i>M. septentrionalis</i>	USFWS	Contact USFWS at (502) 695-0468 or KentuckyES@fws.gov

NOTE: DATA ARE VALID ONLY ON THE DATE ON WHICH THE REPORT WAS GENERATED.  
 NOTE: DATA MAY ONLY BE USED FOR THE PROJECT NAMED ABOVE.

293



# Breathitt Waterline Extensions Phase 2



December 16, 2020

-  Project Boundary
-  Buffered Project Boundary
-  USFWS Critical Habitats
-  Element Occurrences

1:32,301

0 0.275 0.55 1.1 mi

0 0.425 0.85 1.7 km

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri





# Kentucky River

AREA  
DEVELOPMENT  
DISTRICT

941 N. MAIN ST. • HAZARD, KENTUCKY 41701 • PHONE 606-436-3158

September 23, 2020

**CHAIRMAN**  
Pam Pilgrim  
**VICE-CHAIRMAN**  
Tracy Neice  
Mayor  
**TREASURER**  
Terry Adams  
Judge/Executive  
**SECRETARY**  
Gregory Whitson  
**PARLIAMENTARIAN**  
Laura Thomas  
Mayor

**BOARD OF DIRECTORS**

**County Judge Executives**  
Jeff Noble - Breathitt Co.  
Jeff Dobson - Knott Co.  
Chick Caudill - Lee Co.  
William R. Lewis - Leslie Co.  
Terry Adams - Letcher Co.  
Cale Turner - Owsley Co.  
Scott Alexander - Perry Co.  
Raymond Banks - Wolfe Co.  
**Mayors**  
Laura Thomas - Jackson  
Tracy Neice - Hindman  
Scott Cornett - Pippa Passes  
Scott Jackson - Beattyville  
Carol Joseph - Hyden  
Susan Polis - Fleming-Neon  
James W. Craft - Whitesburg  
Todd DePriest - Jenkins  
Nelson Bobrowski - Booneville  
Ernest Back - Vizzo  
Donald "Happy" Michelini - Hazard  
Tom Burns - Buckhorn  
Kathi May - Campton  
**Citizen Members**  
Roy Darrell Herald  
Gary Campbell  
Ray D. Moore  
Larry Parke  
Larry Perkins  
Zach Sandlin  
Hiram Cornett  
Eugene Stewart  
Everett Marshall  
Doug Brandenburg  
Fred Hall  
Jack Burkich  
Dale Bishop  
Derrick Bowling  
Neil Napier  
Gregory Whitson  
Meriwether Wash-Hall  
Pam Pilgrim  
Shirley Halcomb

**Executive Director**  
Michelle Allen

E-Mail: michelle@kradd.org  
FAX NUMBER 606-436-2144  
TDD NUMBER 1-800-247-2510  
(Hearing Impaired)

Louanna Aldridge  
Department for Environmental Protection  
300 Sower Blvd, 2nd Floor  
Frankfort, KY 40601

**RE: Breathitt County Water District – Breathitt Waterline Extension Phase 2 Project (WX21025033)**

Dear Ms. Aldridge:

The Breathitt County Water District has received funding through the Appalachian Regional Commission for the above referenced project. This project will extend waterlines to four areas in Breathitt County; Creekside Road, War Creek Road, Joe Ward Fork, and Mann Road. This project will construct approximately 17,967 Linear Feet (LF) of 4" PVC and 930 LF of 2" PVC waterline throughout the service areas; serving approximately 28 households. Additionally, two pump stations within the Breathitt water system will be rebuilt or replace; one on 30 West and one on 30 East. The valves and piping will be replaced at the KY 541, River Caney, and KY 28 pressure reducing vaults.

This project is located throughout Breathitt County, Kentucky. This project will serve approximately 28 households in Breathitt County. Due to the scope of the project there will be ground disturbance in previously disturbed highway right-of-way or existing easements. There will be no tree removal.

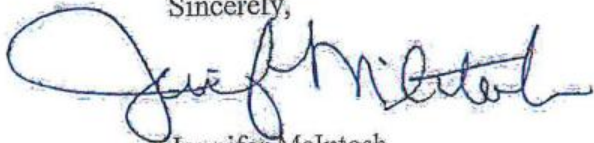
The Kentucky River Area Development District has been asked to undertake a NEPA environmental review of this project to ascertain the impact of the proposed activities. Please provide comments from the following Divisions under the Kentucky Department for Environmental Protection jurisdiction:

- Division for Air Quality
- Division of Waste Management
- Division of Water
- Division of Water – Floodplain Management

I have enclosed a project location, floodplain, and wetlands map(s) and project description for your reference.

Your comments may address beneficial or adverse impacts or, both. I would appreciate receiving your comments in the near future. I will assume if I have not received a response from you within 30 days of this letter, that your office does not anticipate any negative environmental impacts from this project, per your area(s) of responsibility. Responses can be sent by email to: [jennifer@kradd.org](mailto:jennifer@kradd.org). Thank you, for your time and assistance.

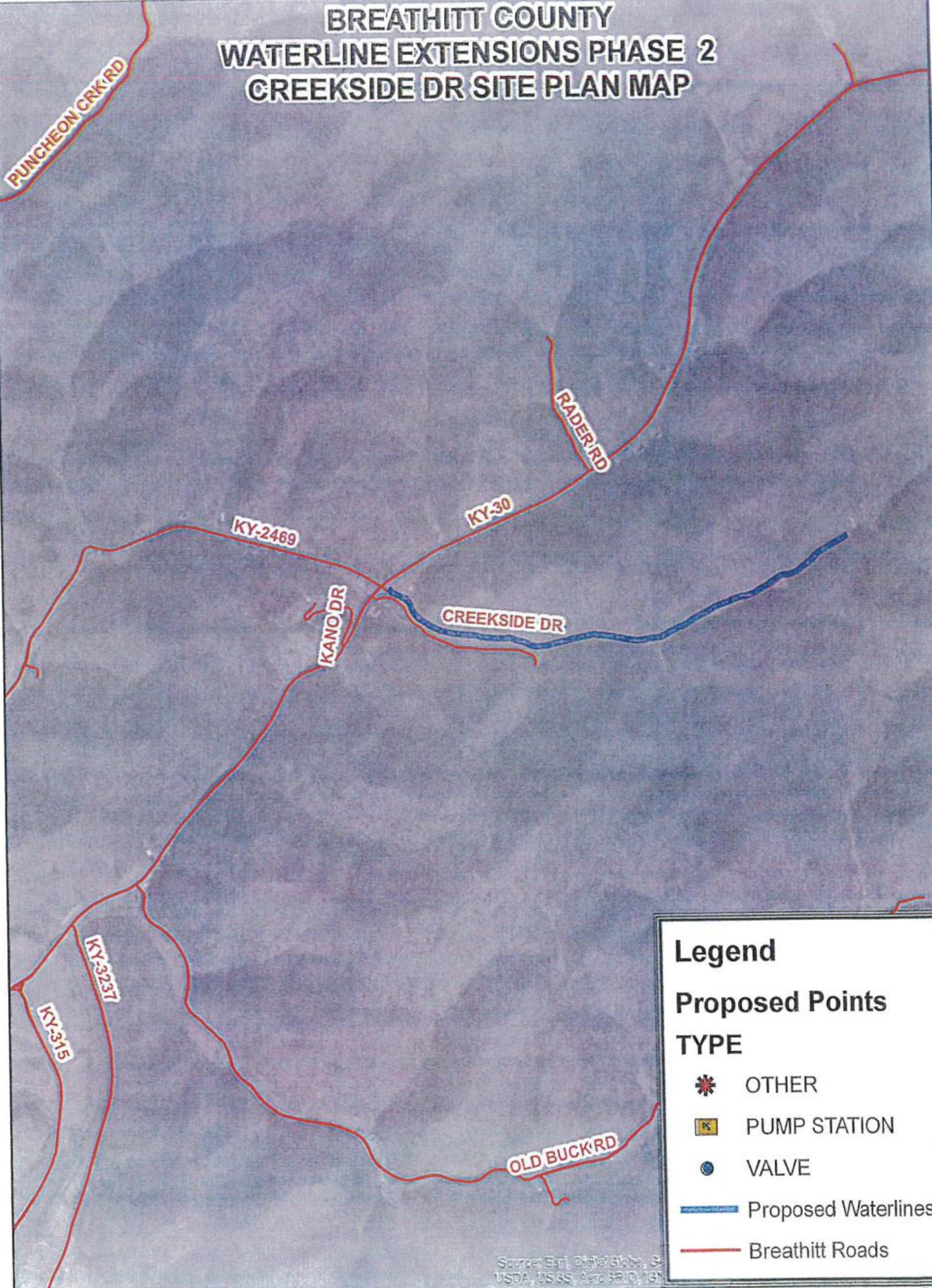
Sincerely,

A handwritten signature in blue ink, appearing to read "Jennifer McIntosh". The signature is fluid and cursive, with a large initial "J" and "M".

Jennifer McIntosh  
Water & Wastewater Planner

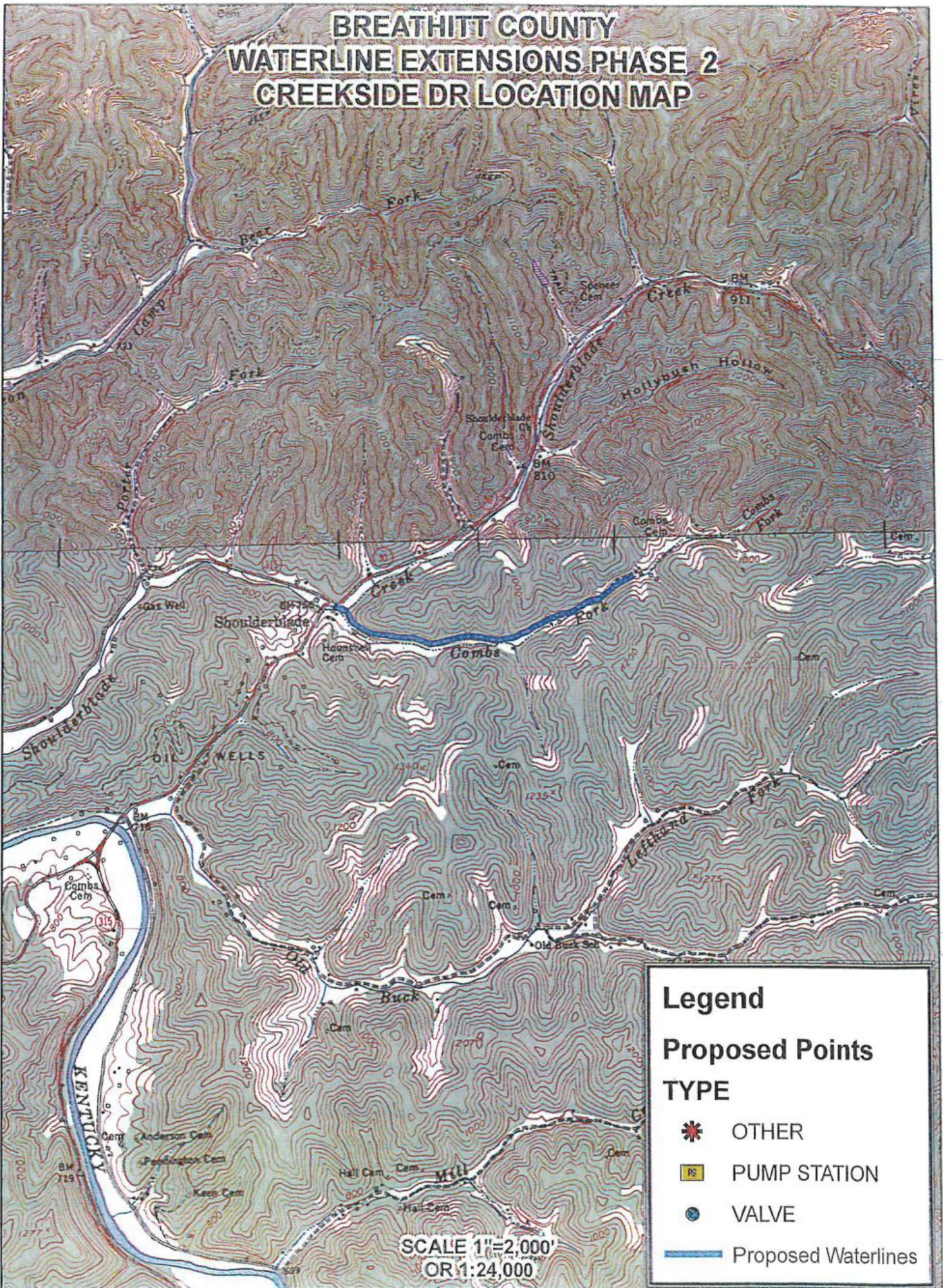


# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR SITE PLAN MAP



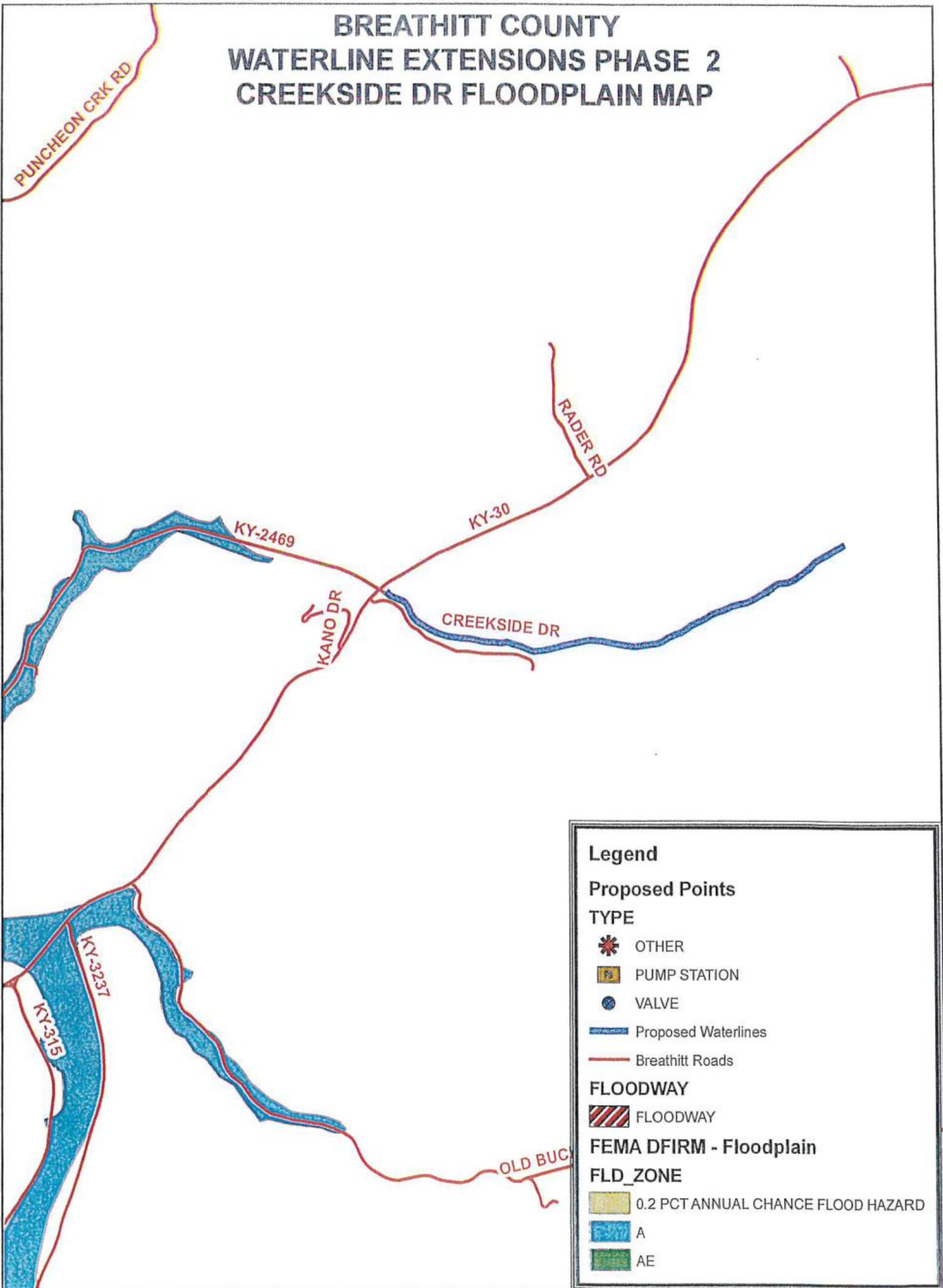


# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR LOCATION MAP





# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR FLOODPLAIN MAP



**Legend**

**Proposed Points**

**TYPE**

- OTHER
- PUMP STATION
- VALVE

Proposed Waterlines

Breathitt Roads

**FLOODWAY**

- FLOODWAY

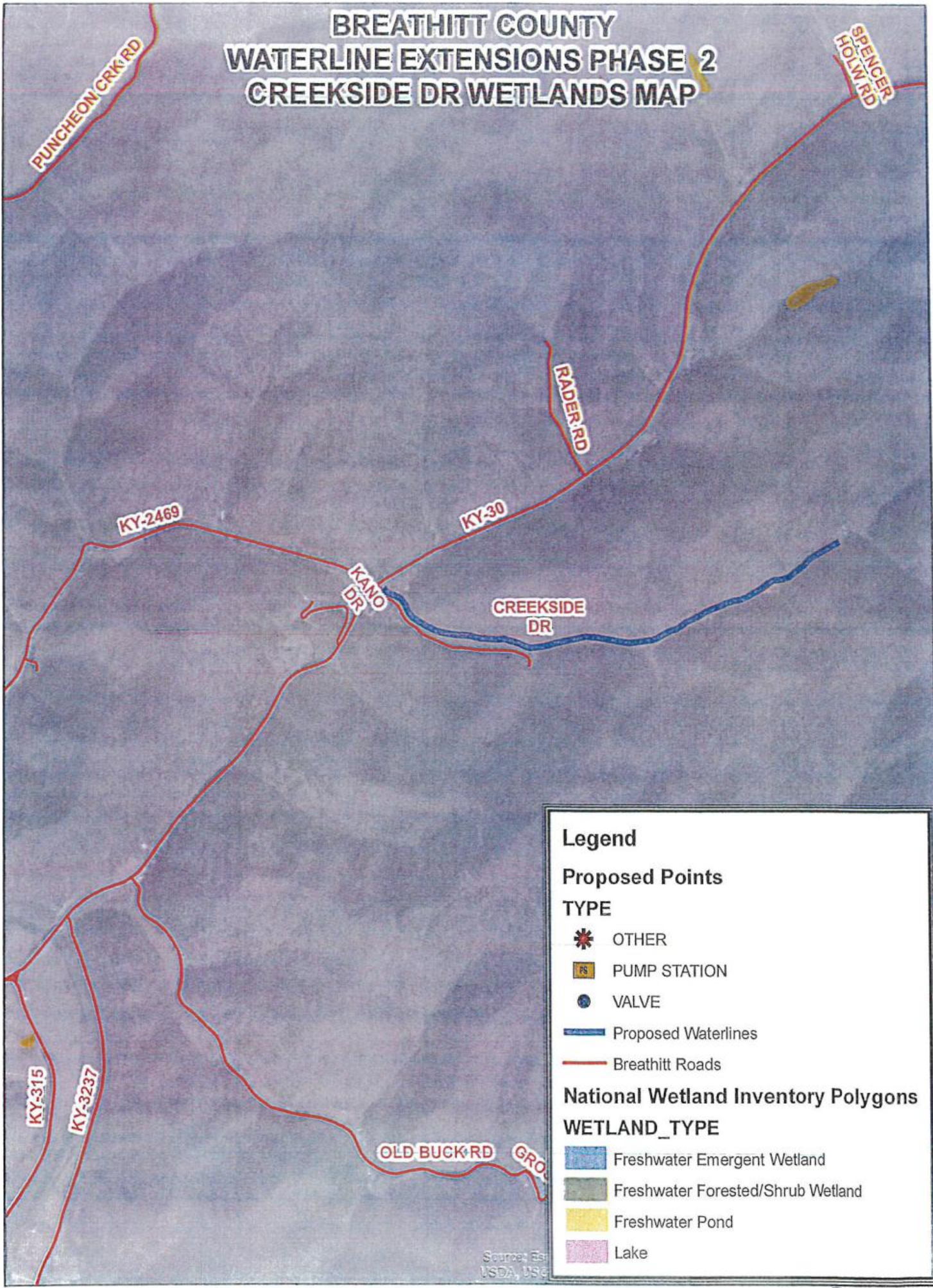
**FEMA DFIRM - Floodplain**

**FLD\_ZONE**

- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- A
- AE






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR WETLANDS MAP




## Legend

### Proposed Points

#### TYPE





-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

### National Wetland Inventory Polygons

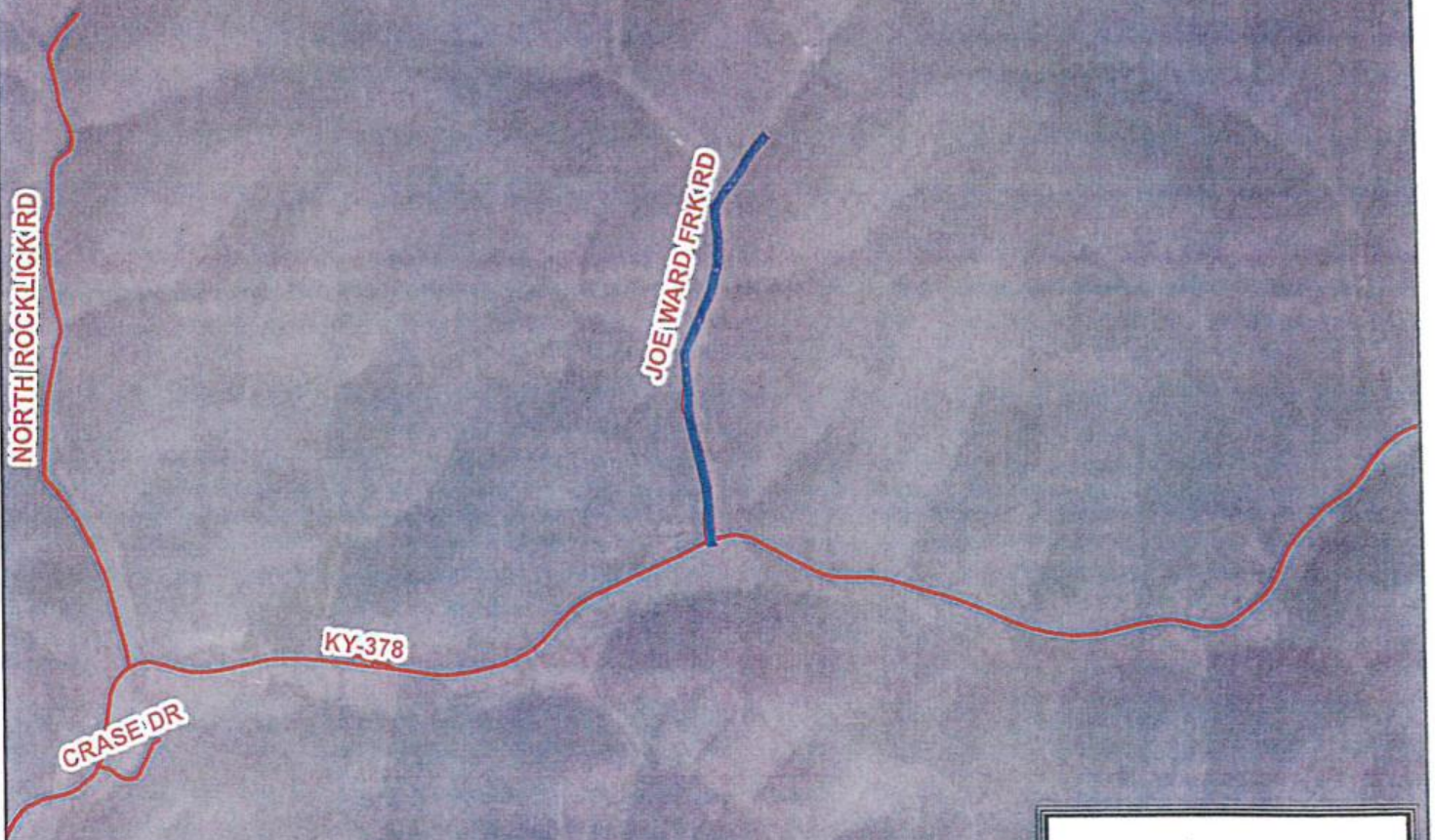
#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

Source: Esri  
USDA, USFWS








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD SITE PLAN MAP



**Legend**

**Proposed Points**

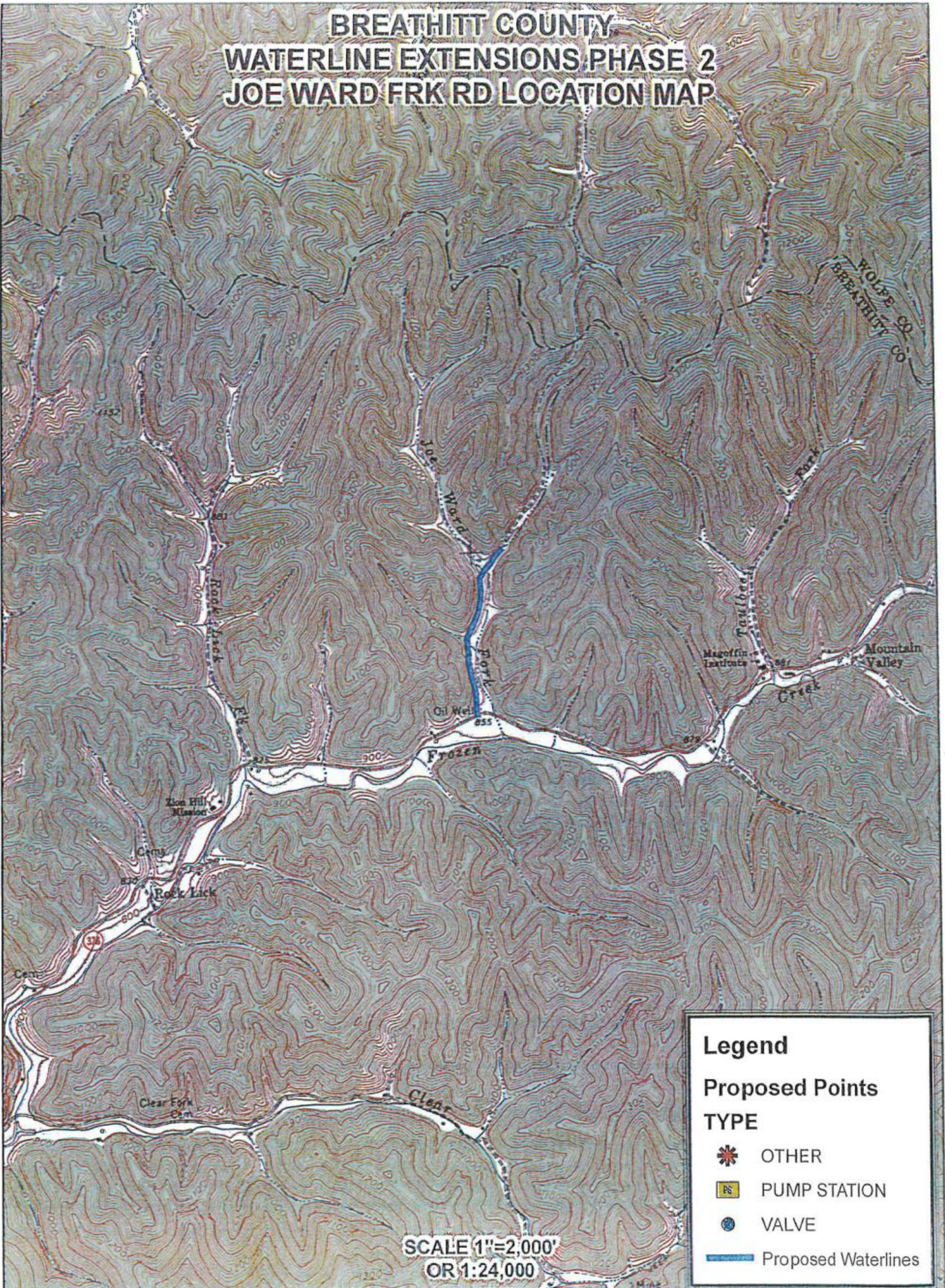
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USA, USGS, AeroGRID, IGN, and







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD LOCATION MAP



**Legend**

**Proposed Points**

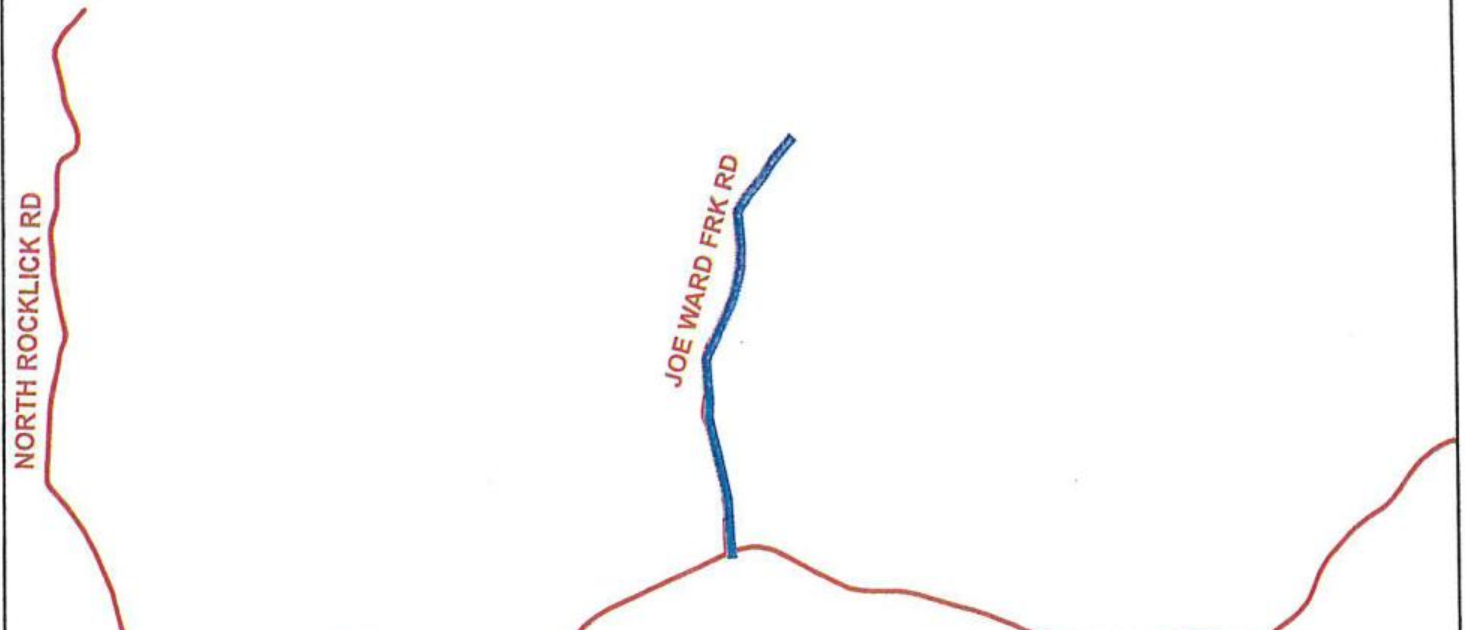
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

SCALE 1"=2,000'  
OR 1:24,000






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD FLOODPLAIN MAP




## Legend

### Proposed Points

#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

### FLOODWAY

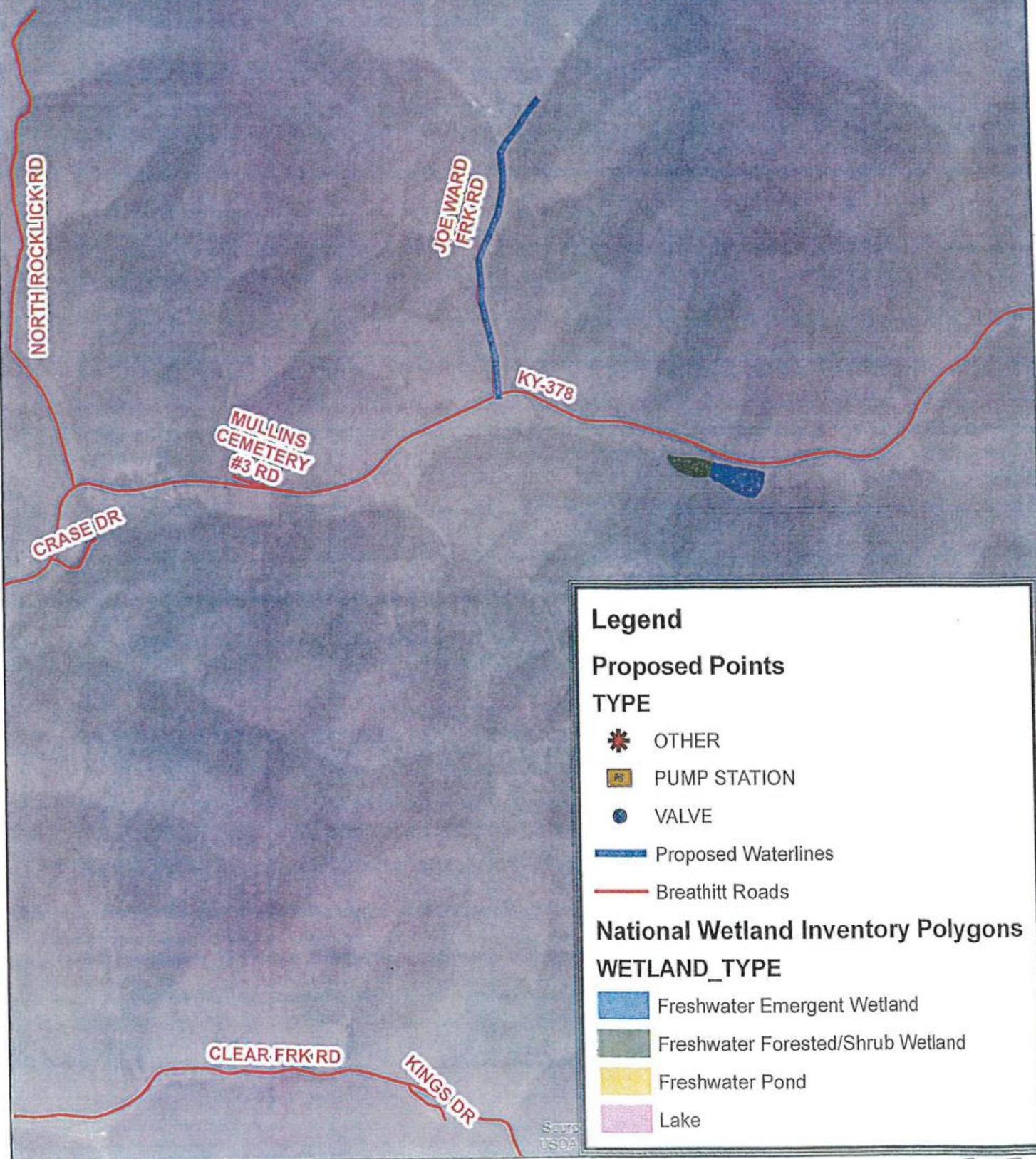
 FLOODWAY

### FEMA DFIRM - Floodplain

#### FLD\_ZONE

-  0.2 PCT ANNUAL CHANCE FLOOD HAZARD
-  A
-  AE




# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD WETLANDS MAP





**Legend**

**Proposed Points**

**TYPE**





-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

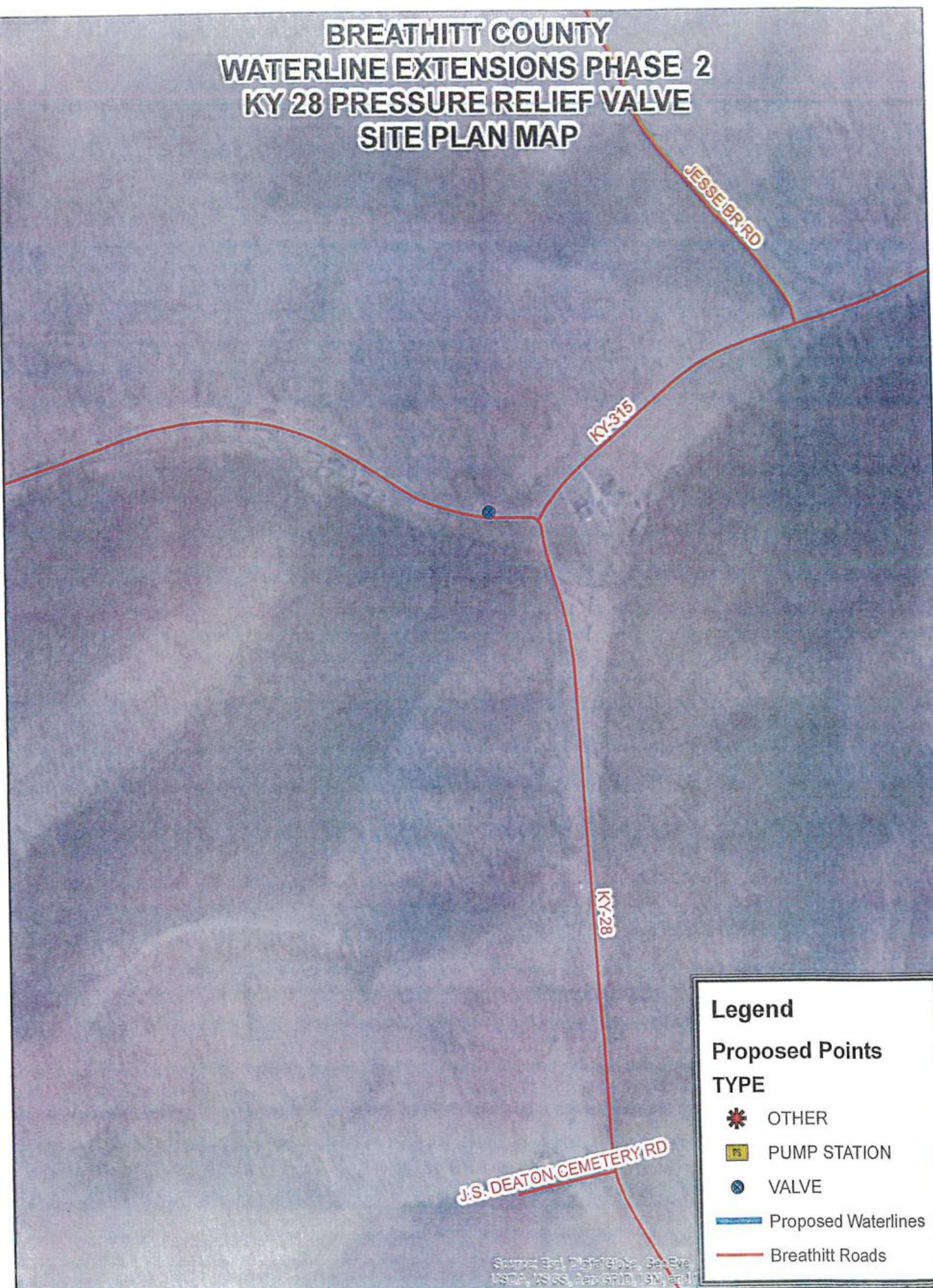
**National Wetland Inventory Polygons**

**WETLAND\_TYPE**

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE SITE PLAN MAP





**Legend**

**Proposed Points**

**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE

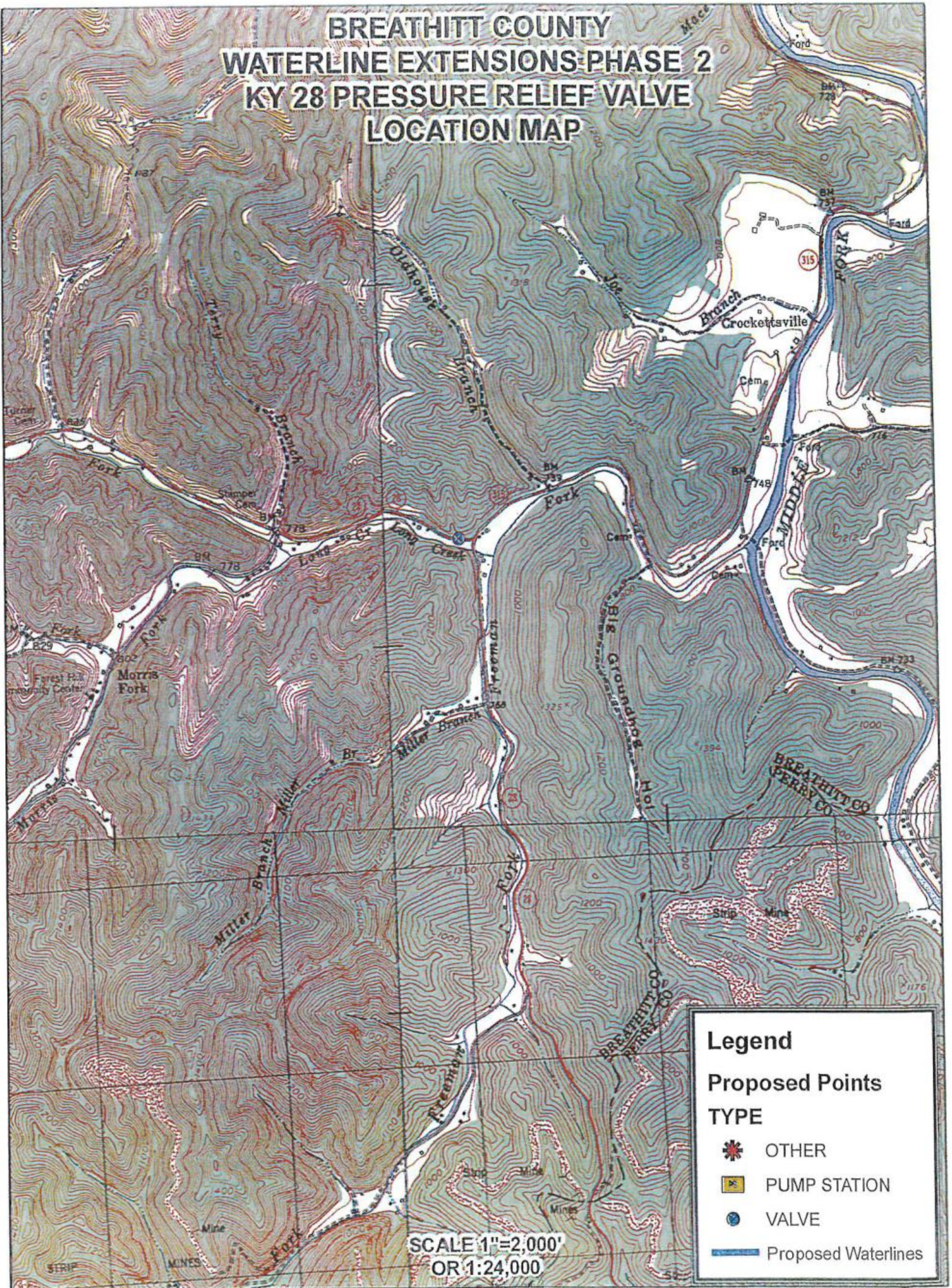
 Proposed Waterlines

 Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE LOCATION MAP



**Legend**

**Proposed Points**

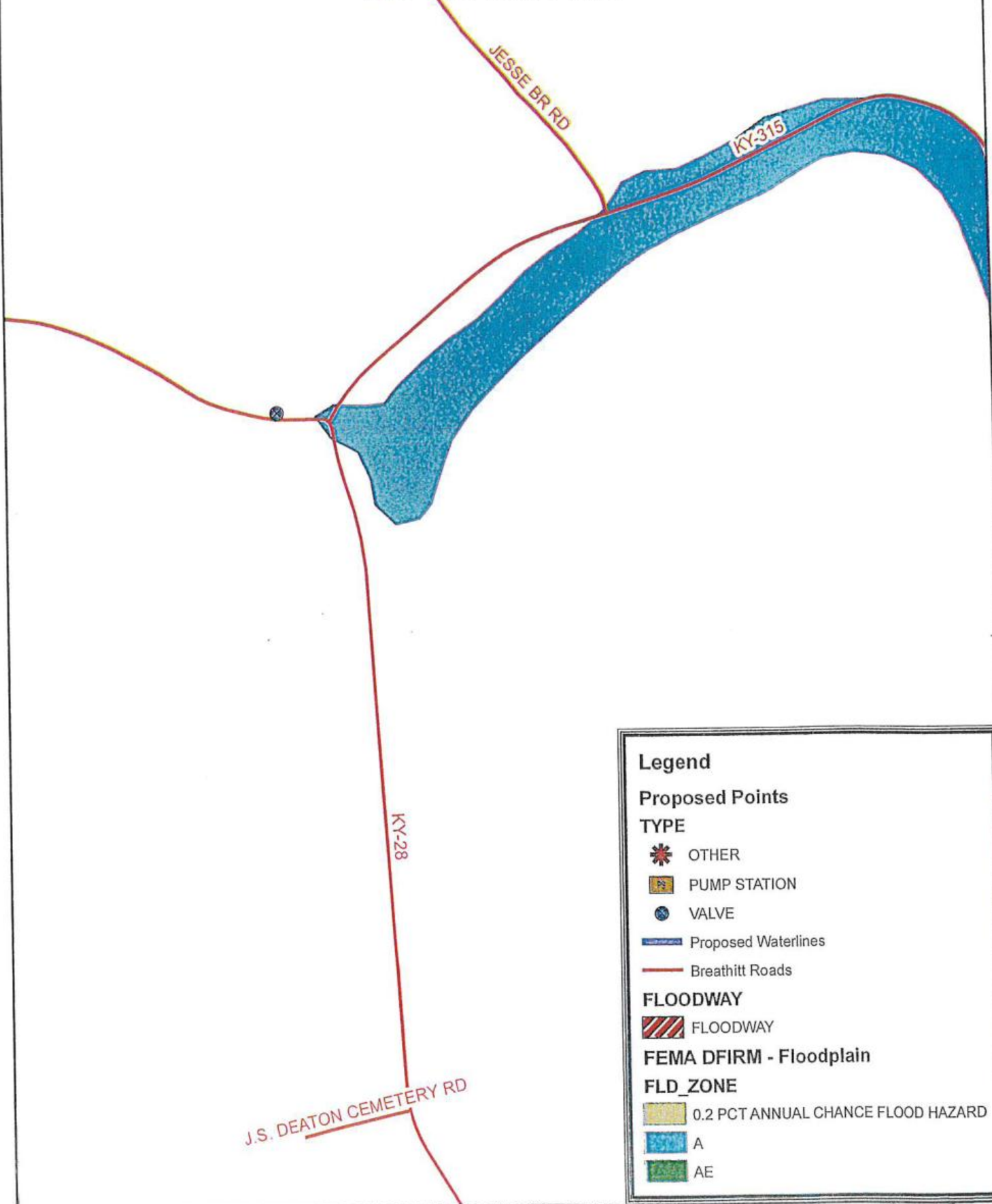
**TYPE**

- OTHER
- PUMP STATION
- VALVE
- Proposed Waterlines

SCALE 1"=2,000'  
OR 1:24,000



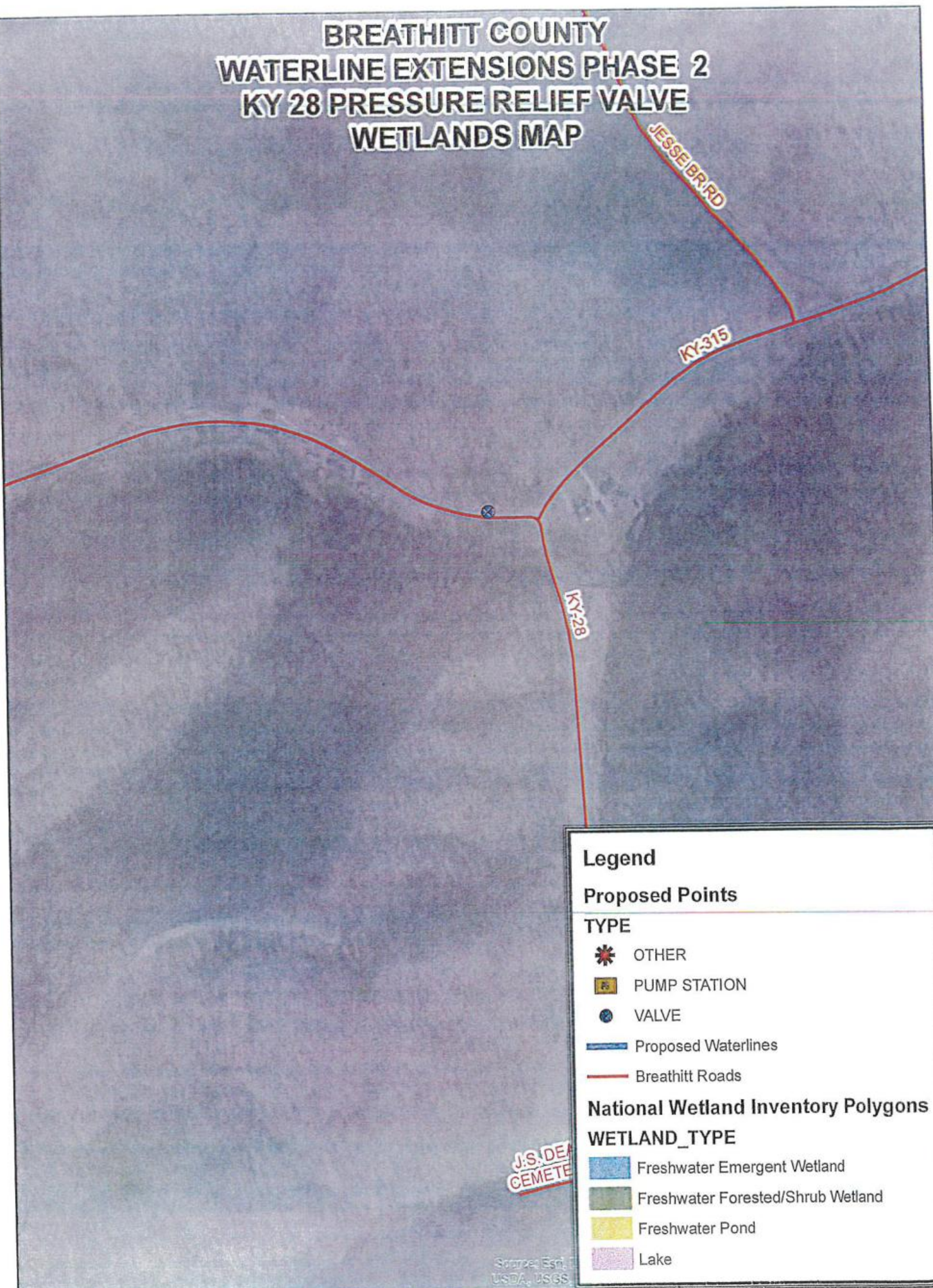
# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE FLOODPLAIN MAP



Legend	
<b>Proposed Points</b>	
<b>TYPE</b>	
	OTHER
	PUMP STATION
	VALVE
	Proposed Waterlines
	Breathitt Roads
<b>FLOODWAY</b>	
	FLOODWAY
<b>FEMA DFIRM - Floodplain</b>	
<b>FLD_ZONE</b>	
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	A
	AE






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE WETLANDS MAP





## Legend

### Proposed Points





#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE

-  Proposed Waterlines
-  Breathitt Roads

### National Wetland Inventory Polygons

#### WETLAND\_TYPE

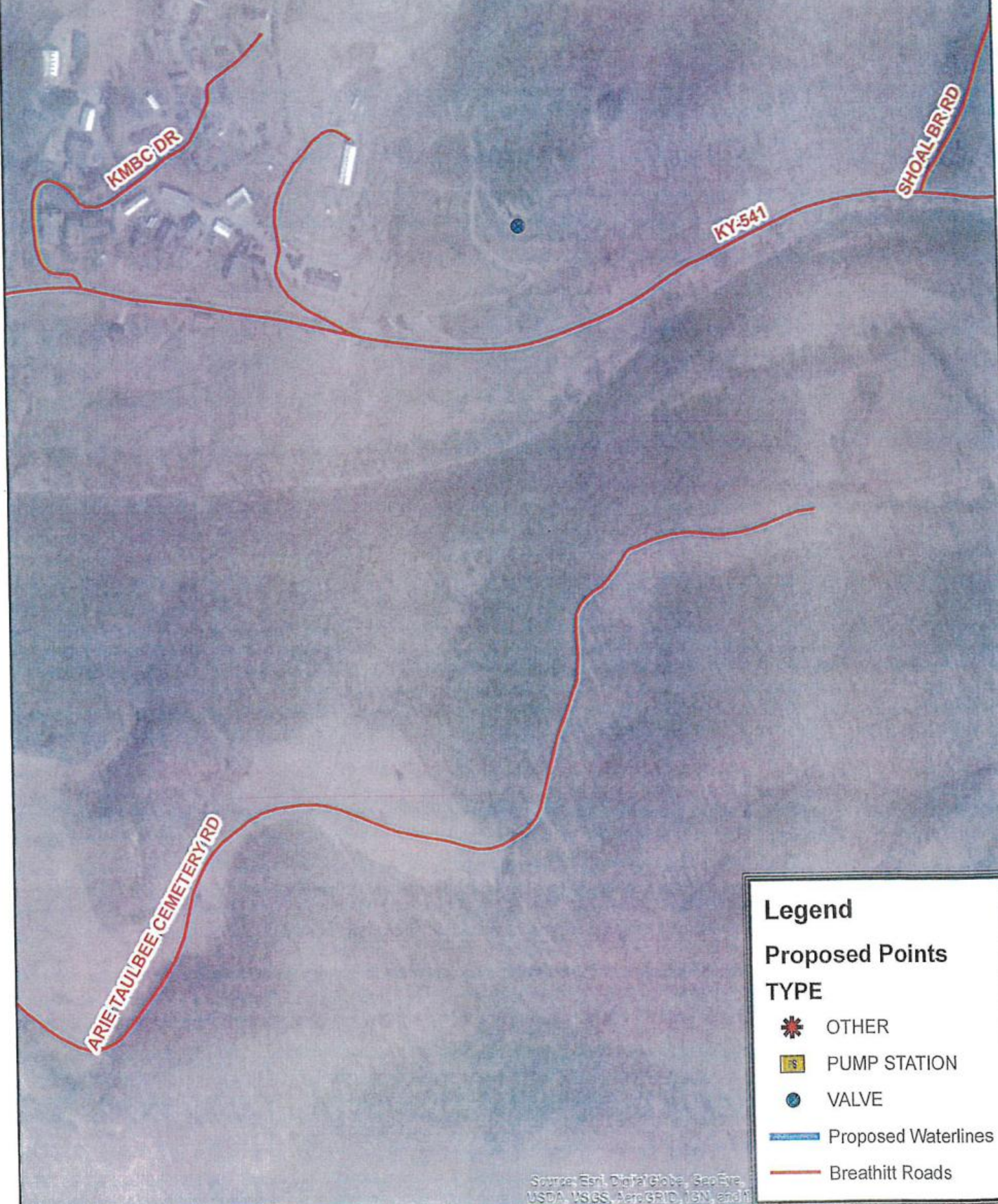
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

J.S. DEAN  
CEMETERY

Source: Esri,  
USDA, USGS






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE SITE PLAN MAP





**Legend**

**Proposed Points**

**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE

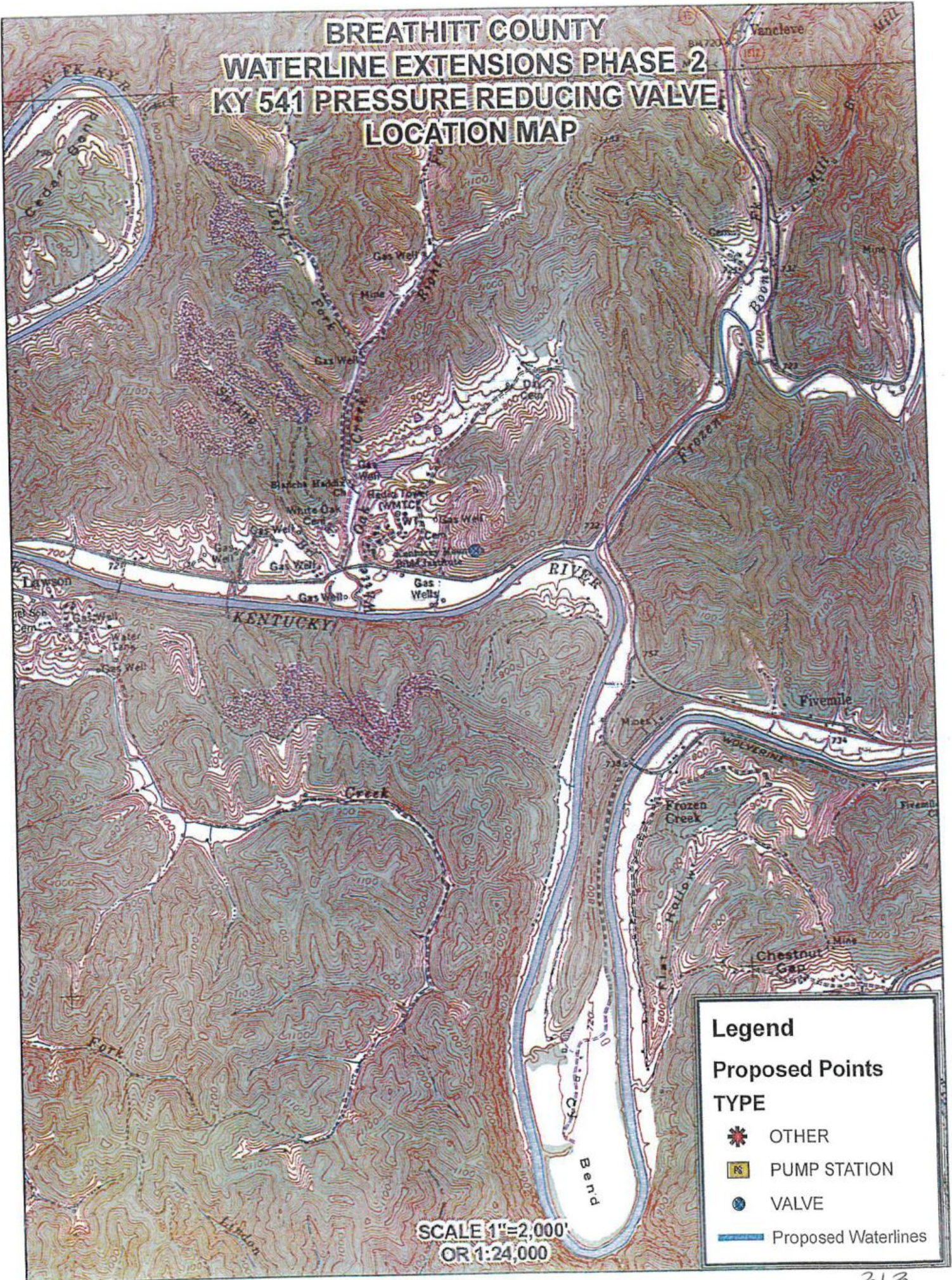
 Proposed Waterlines

 Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye,  
USDA, USGS, AeroGRID, IGN, and the







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE LOCATION MAP



**Legend**

**Proposed Points**

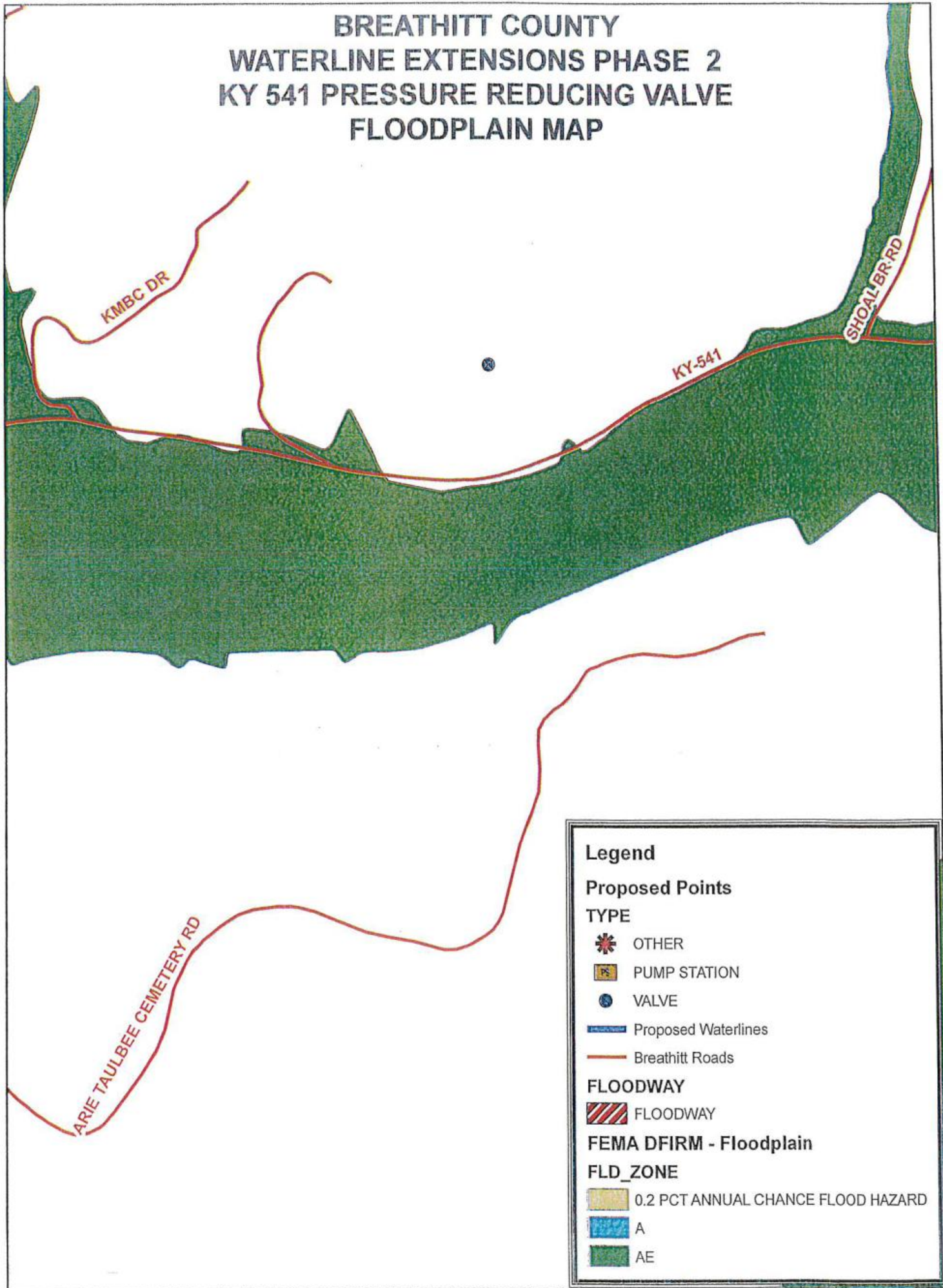
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

SCALE 1"=2,000'  
OR 1:24,000



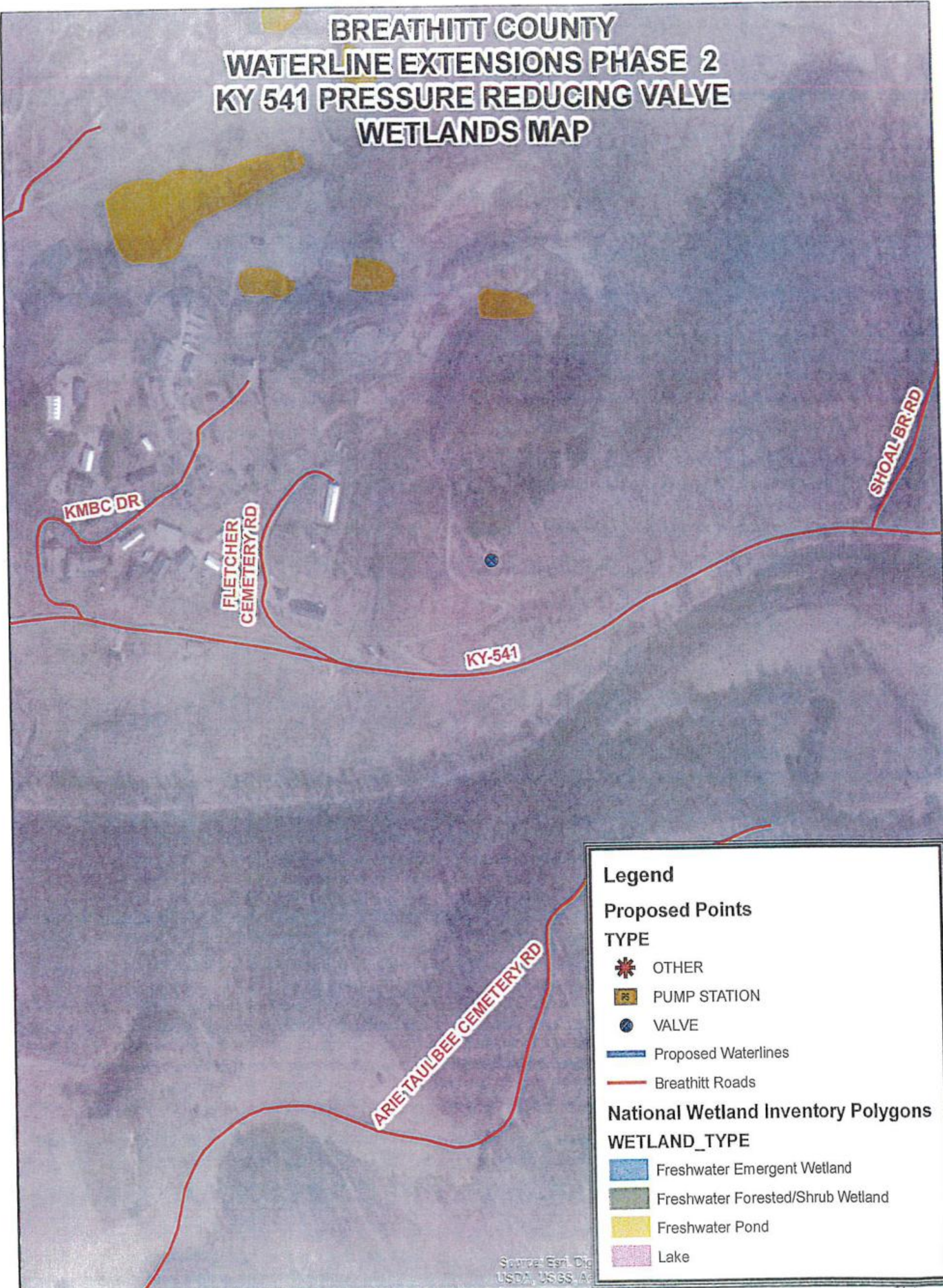
# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE FLOODPLAIN MAP



Legend	
<b>Proposed Points</b>	
<b>TYPE</b>	
	OTHER
	PUMP STATION
	VALVE
	Proposed Waterlines
	Breathitt Roads
<b>FLOODWAY</b>	
	FLOODWAY
<b>FEMA DFIRM - Floodplain</b>	
<b>FLD_ZONE</b>	
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	A
	AE






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE WETLANDS MAP



### Legend

#### Proposed Points

#### TYPE





-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

#### National Wetland Inventory Polygons

#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

Source: Esri, Dig  
USDA, USGS, A



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION SITE PLAN MAP

BEVILLY

ROBINSON FRK

FR

KY-30

REYNOLDS DR





KY-397

SANDYLYNN DR

**Legend**

**Proposed Points**

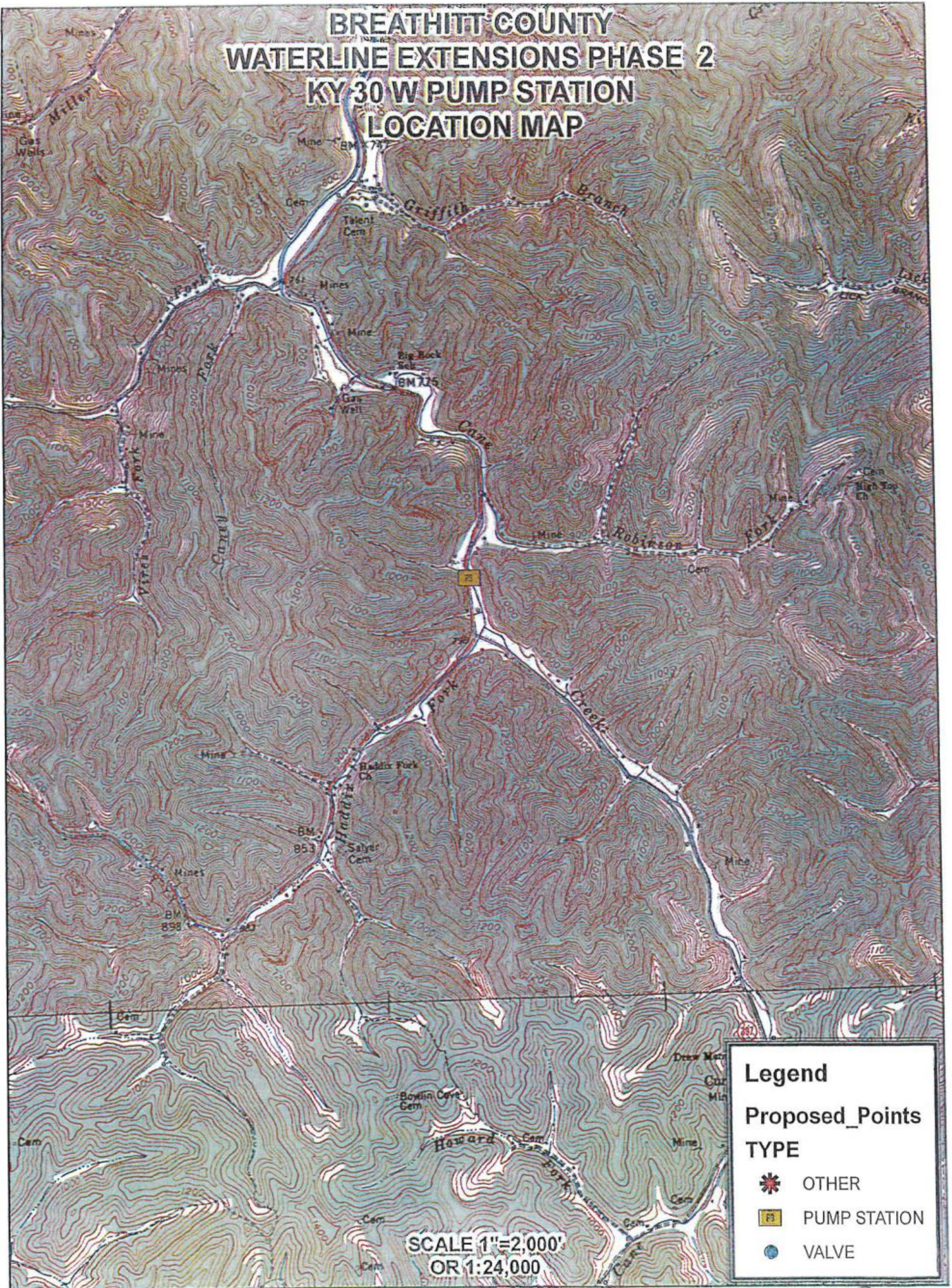
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AeroGRID, IGN, and the GIS






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION LOCATION MAP



**Legend**

**Proposed\_Points**

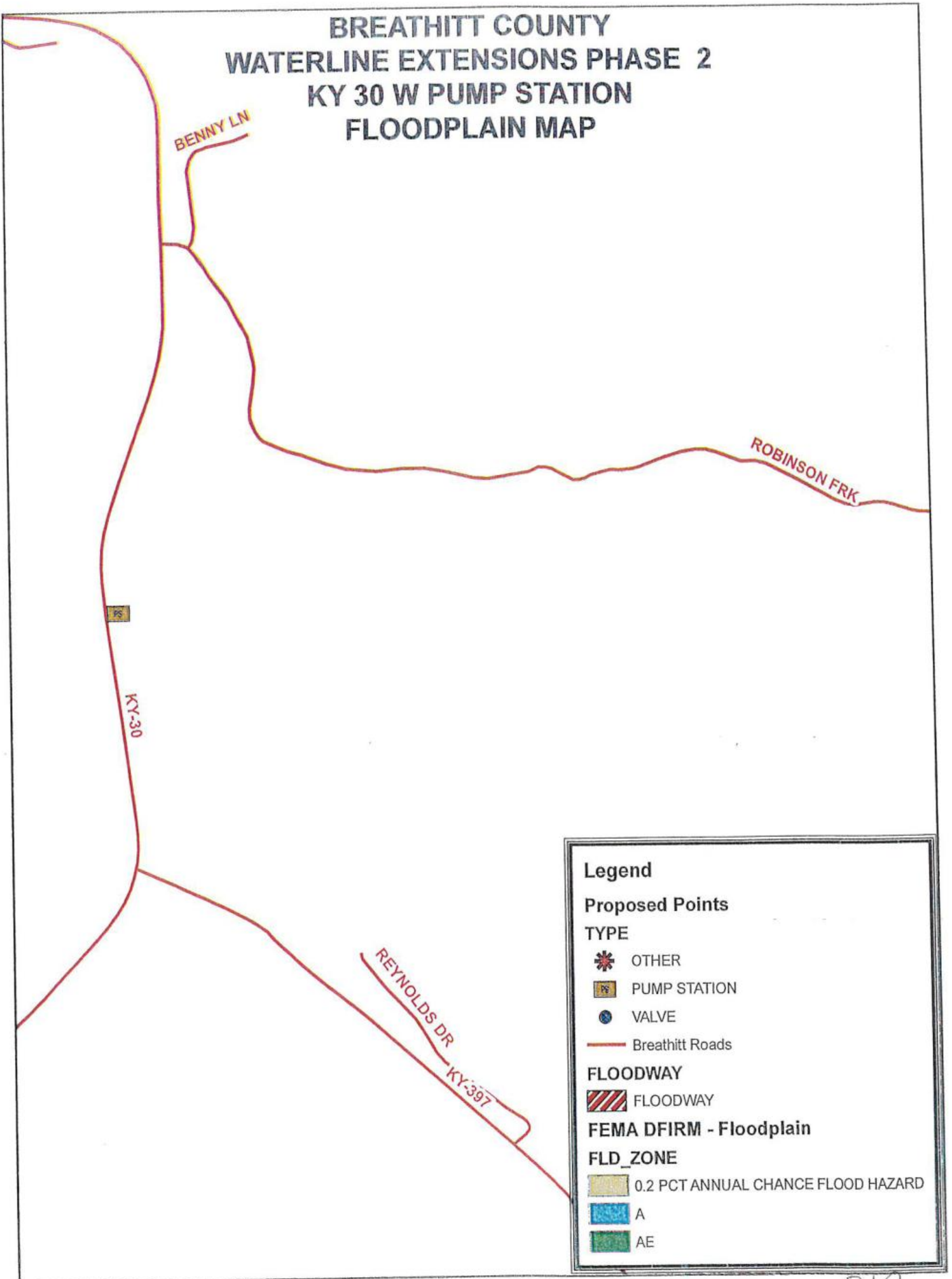
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE

SCALE 1"=2,000'  
OR 1:24,000

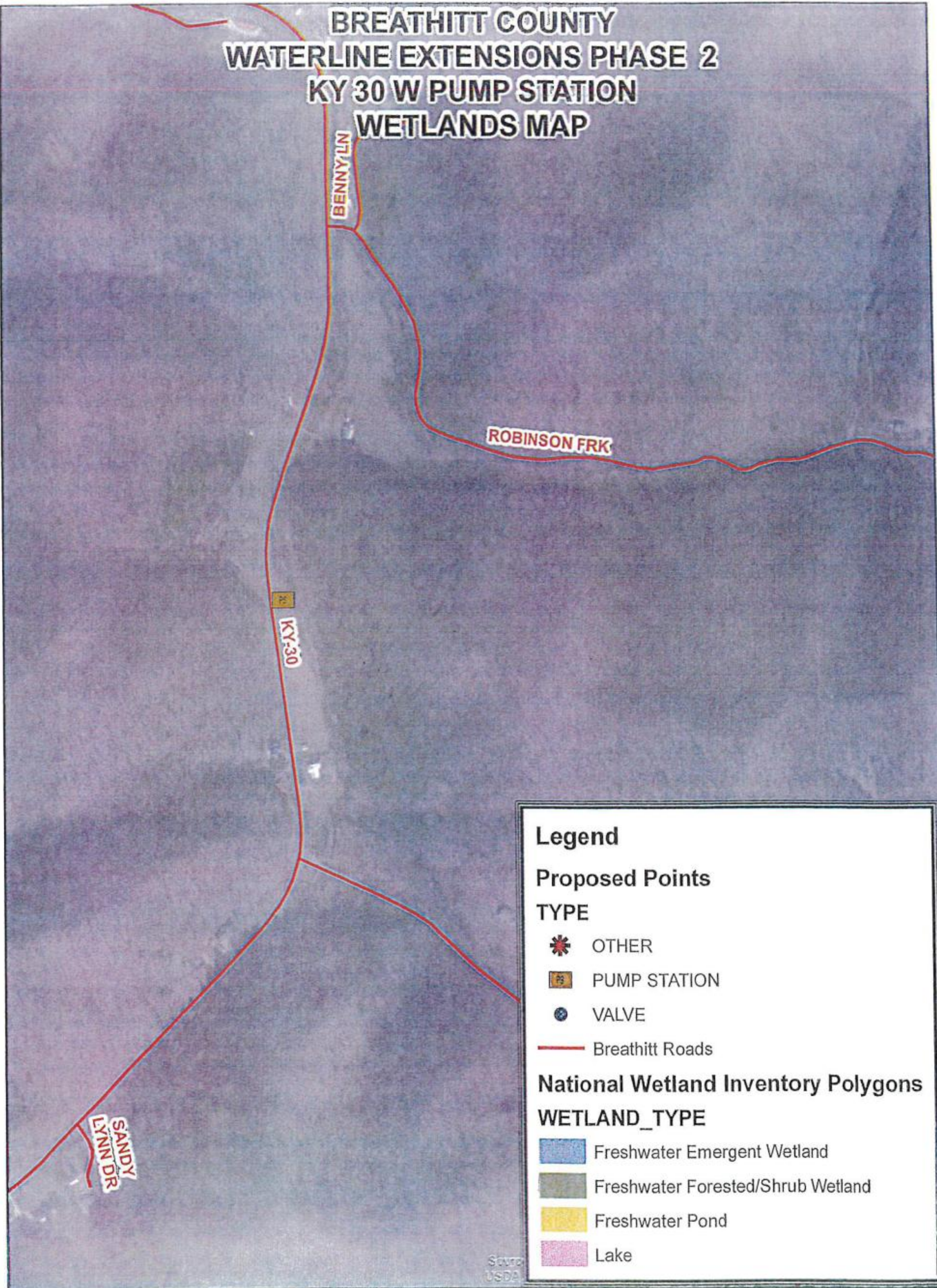


# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION FLOODPLAIN MAP








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION WETLANDS MAP



## Legend

### Proposed Points





#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE

 Breathitt Roads

### National Wetland Inventory Polygons

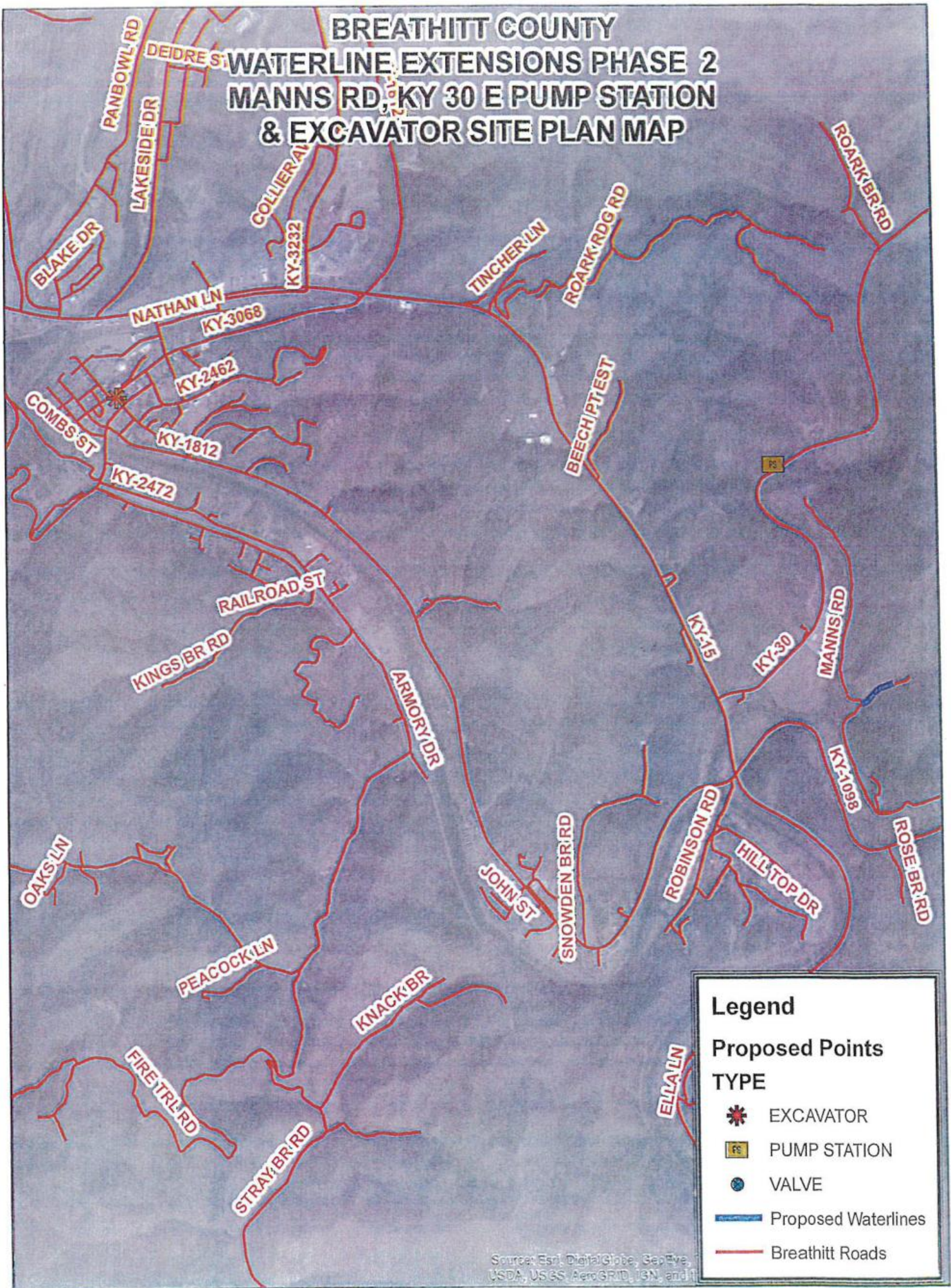
#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

Source:  
USDA








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR SITE PLAN MAP



**Legend**

**Proposed Points**

**TYPE**

-  EXCAVATOR
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads





Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and the National Aeronautics and Space Administration



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR LOCATION MAP

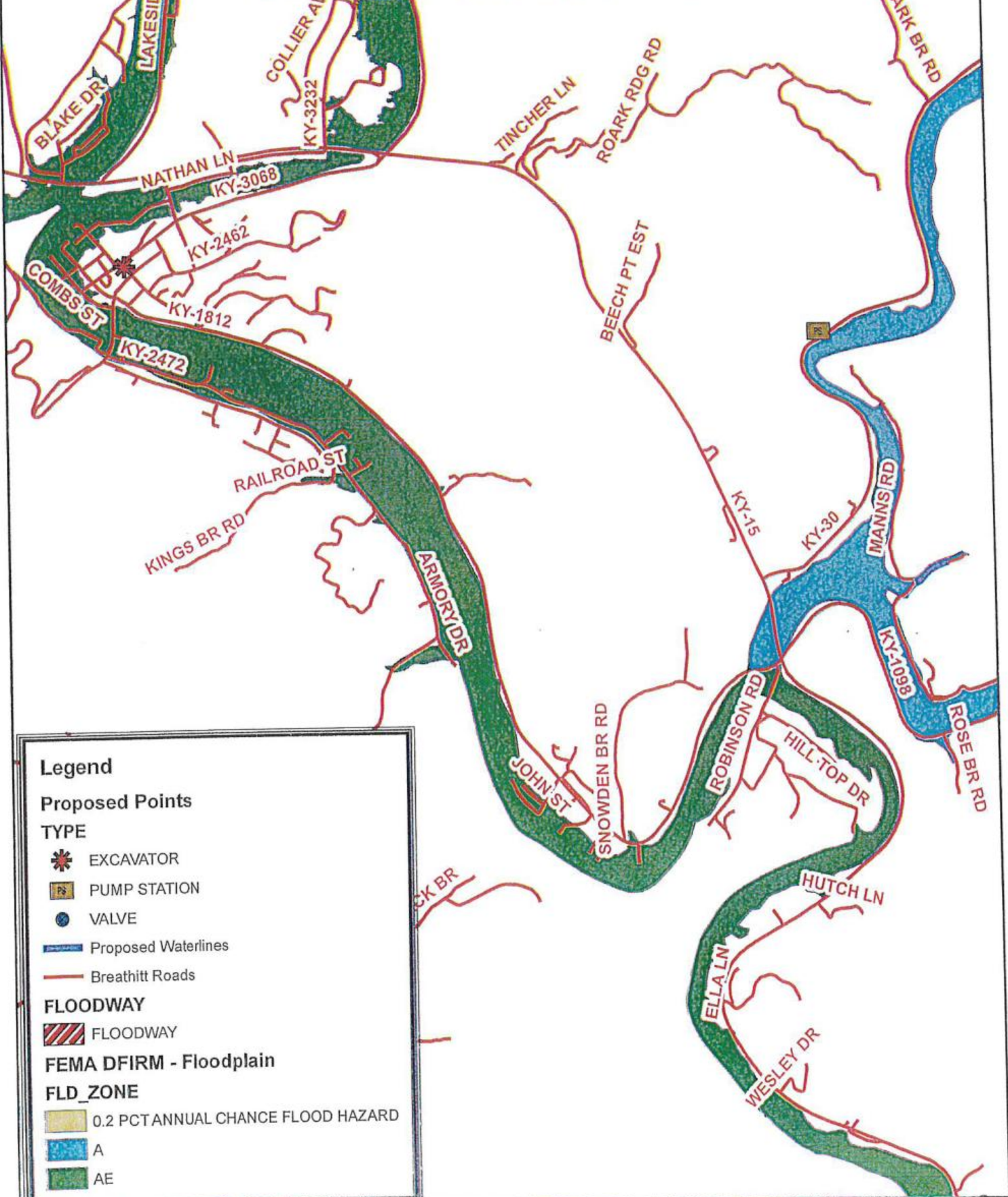


SCALE 1"=2,000'  
OR 1:24,000

Legend	
<b>Proposed Points</b>	
<b>TYPE</b>	
	EXCAVATOR
	PUMP STATION
	VALVE
	Proposed Waterlines



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR FLOODPLAIN MAP



**Legend**

**Proposed Points**

**TYPE**

- EXCAVATOR
- PUMP STATION
- VALVE

Proposed Waterlines

Breathitt Roads

**FLOODWAY**

- FLOODWAY

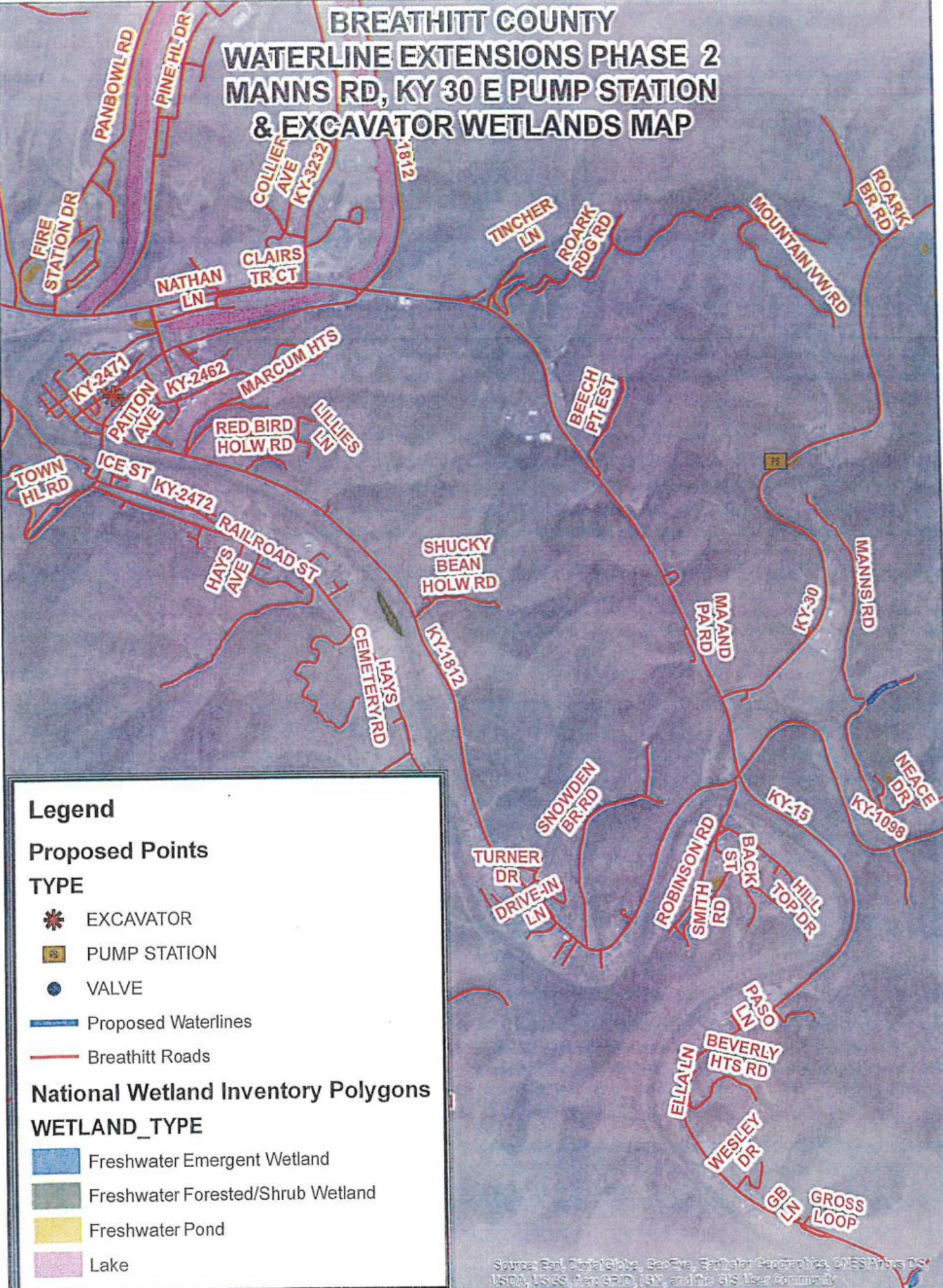
**FEMA DFIRM - Floodplain**

**FLD\_ZONE**

- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- A
- AE



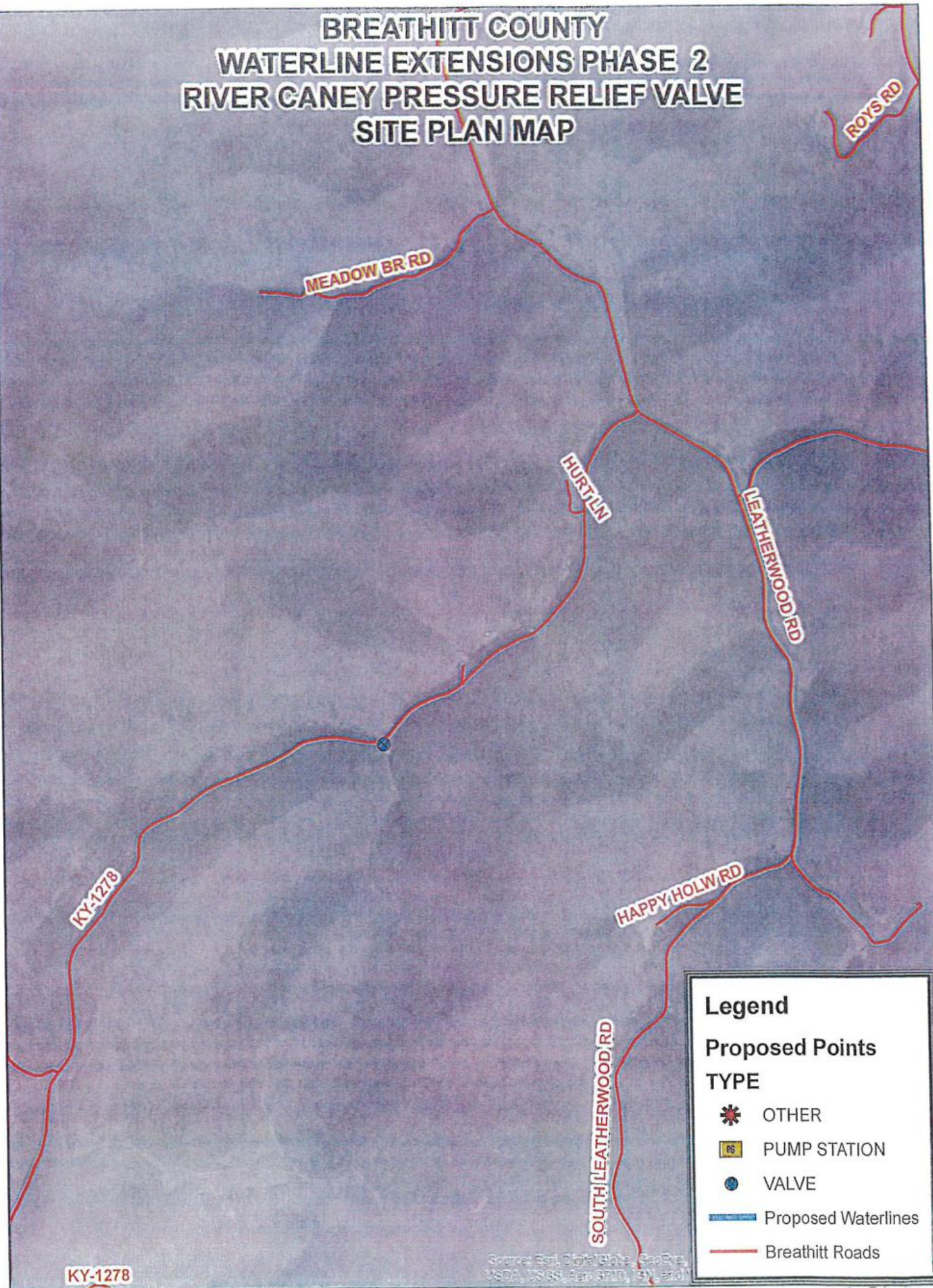
# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR WETLANDS MAP



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE SITE PLAN MAP



**Legend**

**Proposed Points**

**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

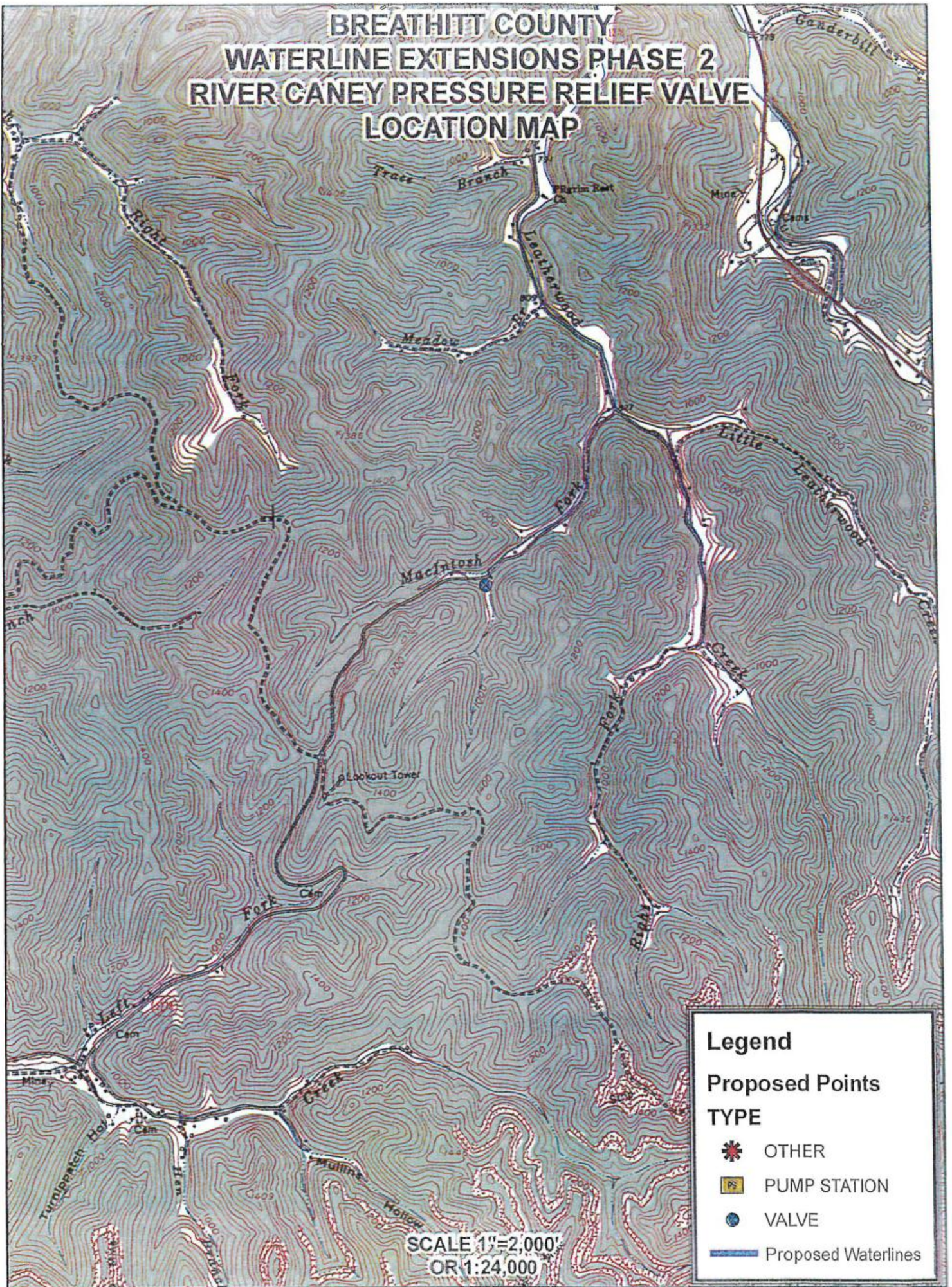
Source: Esri, Digital Globe, GeoEye, USDA, USGS, AeroGRID, IGN, and

KY-1278

224







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE LOCATION MAP



**Legend**

**Proposed Points**

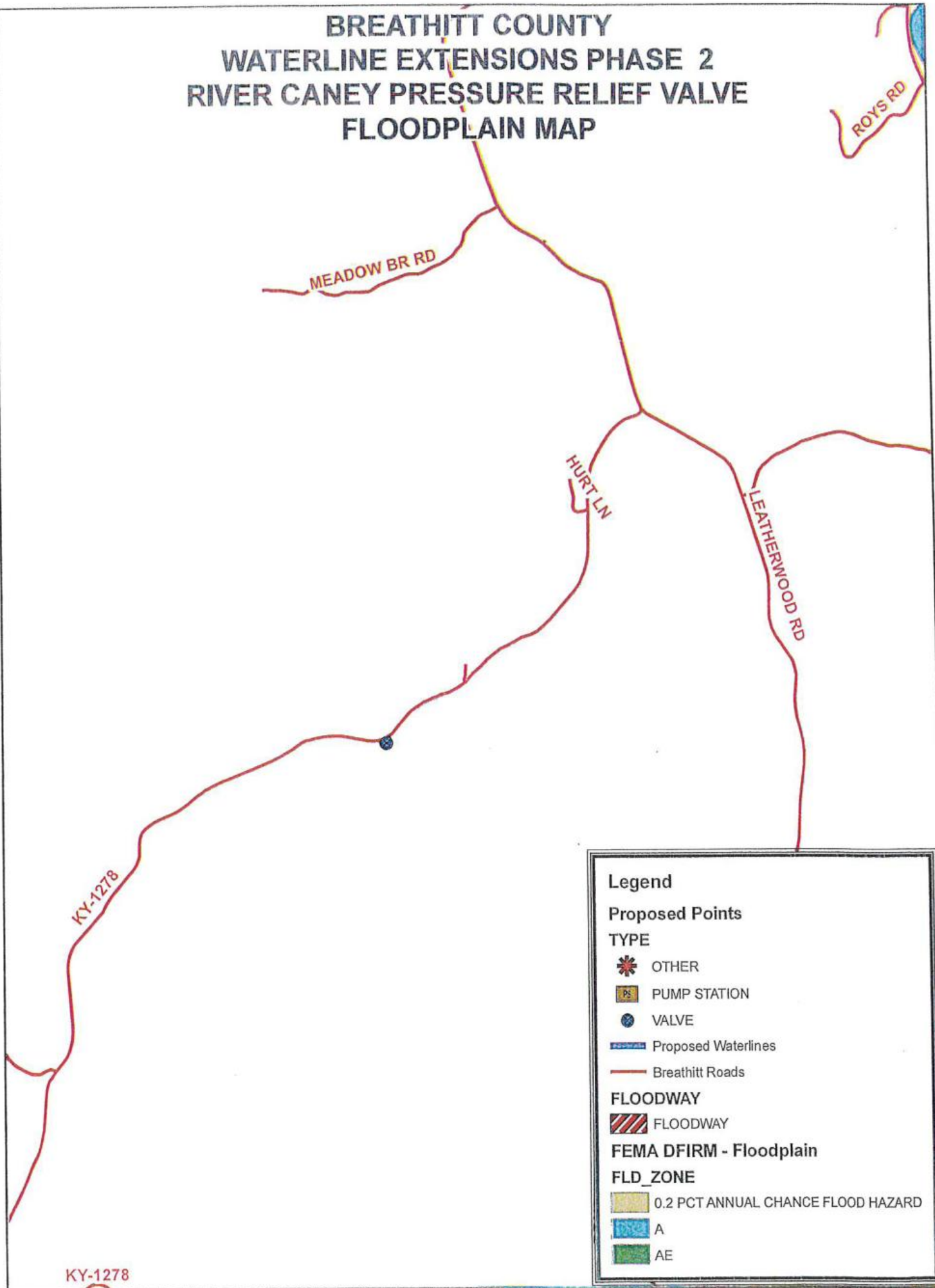
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

SCALE 1"=2,000'  
OR 1:24,000



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE FLOODPLAIN MAP

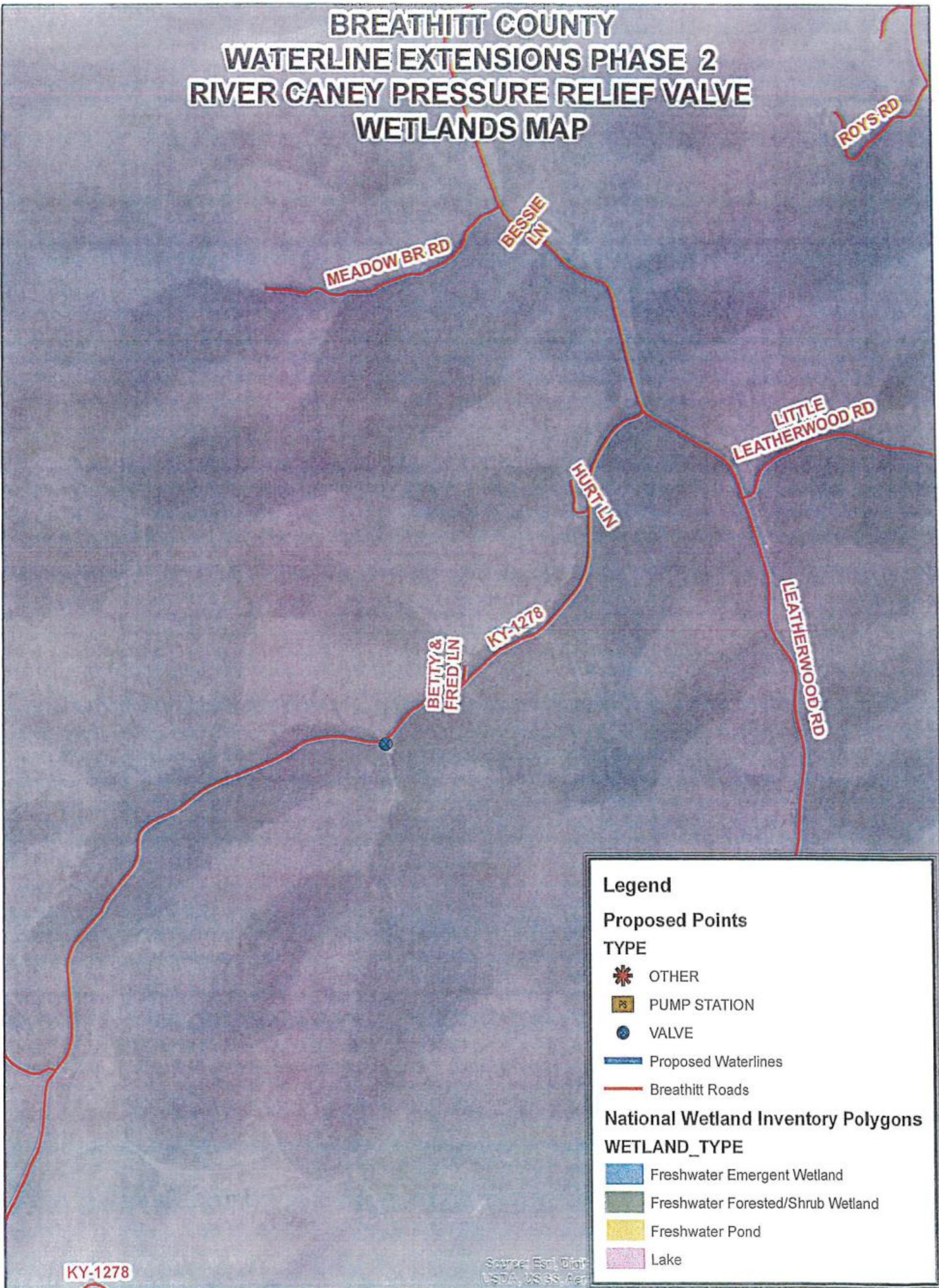


KY-1278

324



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE WETLANDS MAP



**Legend**

**Proposed Points**

**TYPE**

- OTHER
- PUMP STATION
- VALVE

Proposed Waterlines

Breathitt Roads

**National Wetland Inventory Polygons**

**WETLAND\_TYPE**

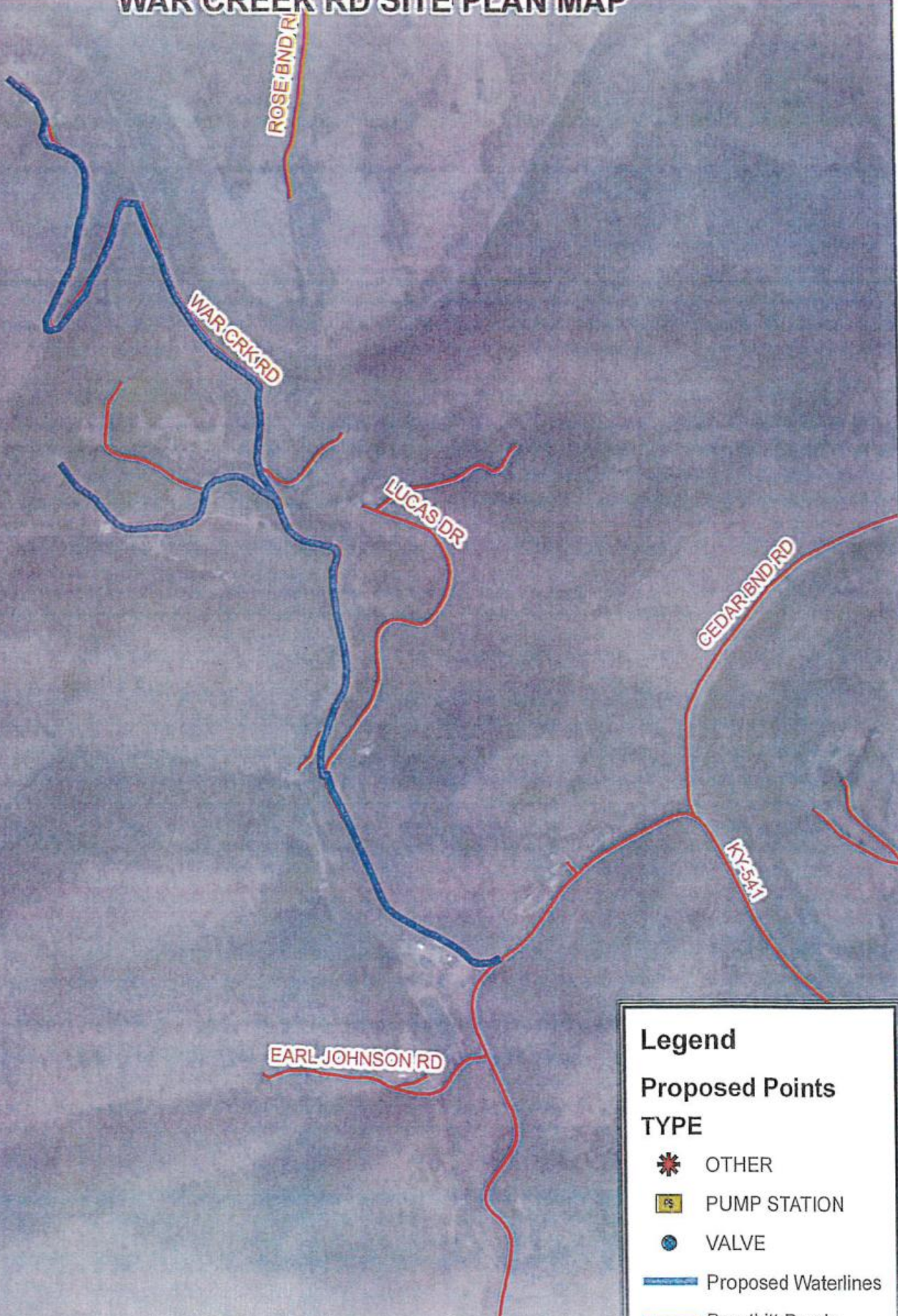
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake

KY-1278

Source: Esri, Digit  
USA, USGS, Aer








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD SITE PLAN MAP



**Legend**

**Proposed Points**

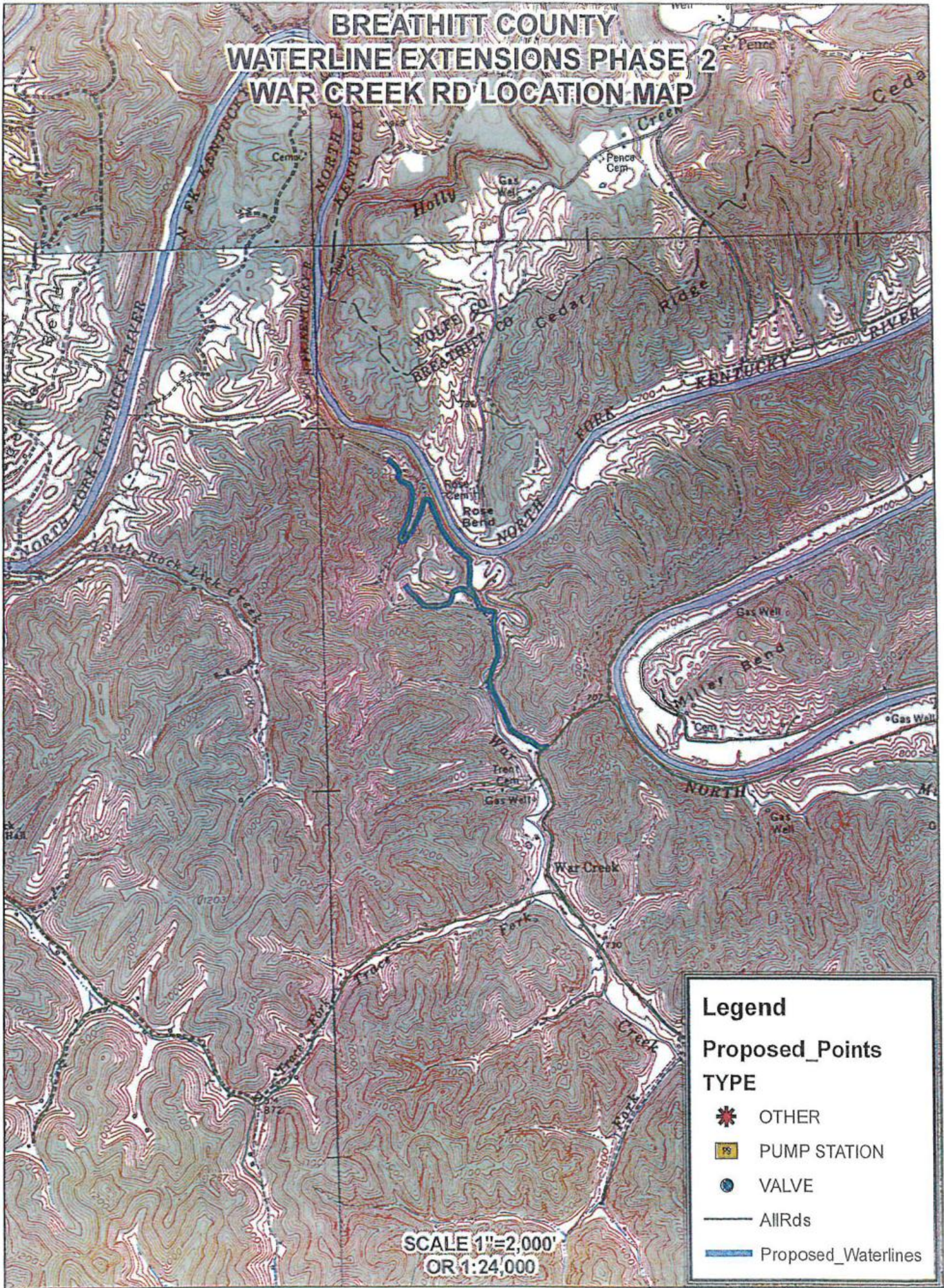
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD LOCATION MAP



**Legend**

**Proposed\_Points**

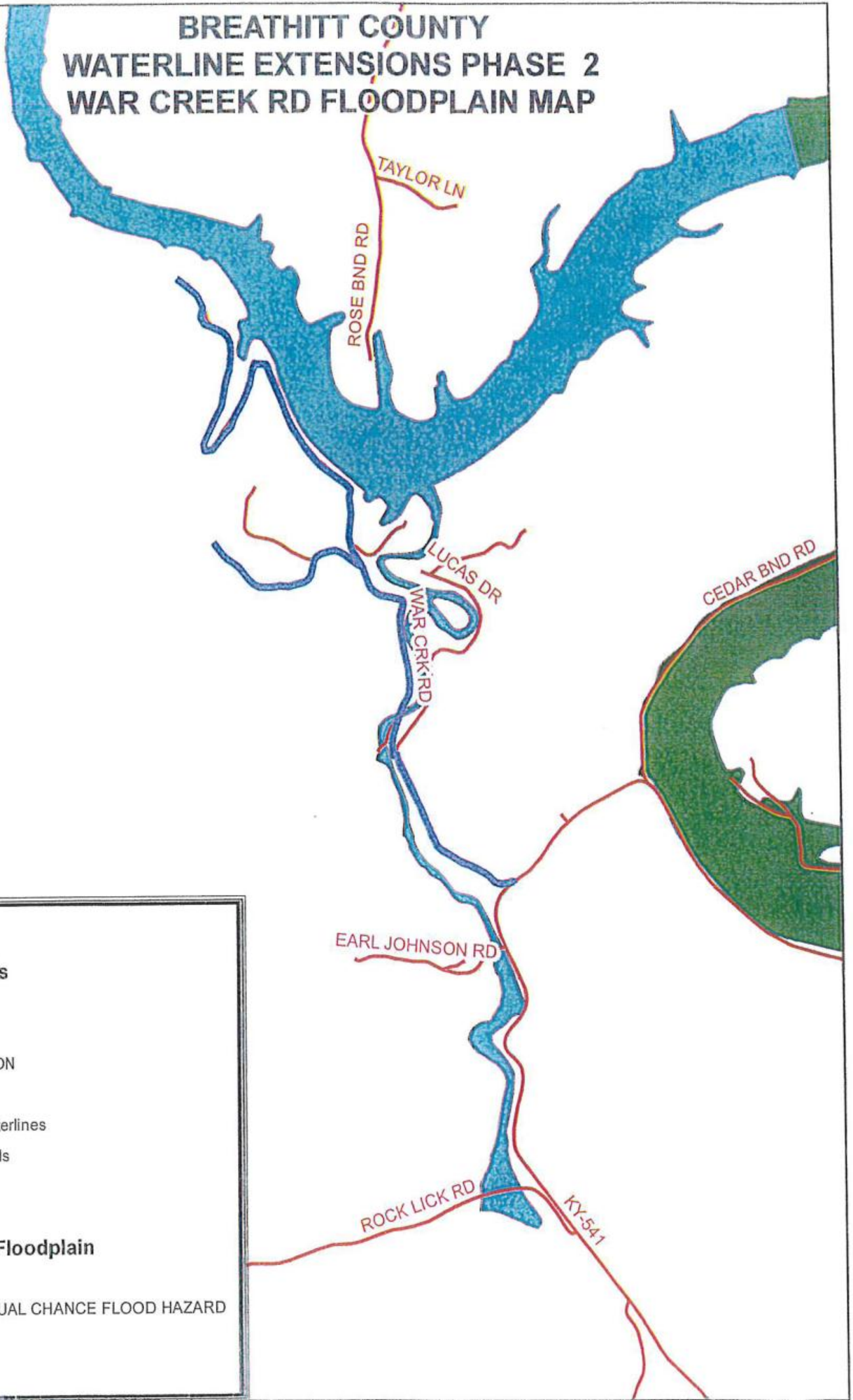
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  AllRds
-  Proposed\_Waterlines

SCALE 1"=2,000'  
OR 1:24,000



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD FLOODPLAIN MAP



## Legend

### Proposed Points

#### TYPE




-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

### FLOODWAY

-  FLOODWAY

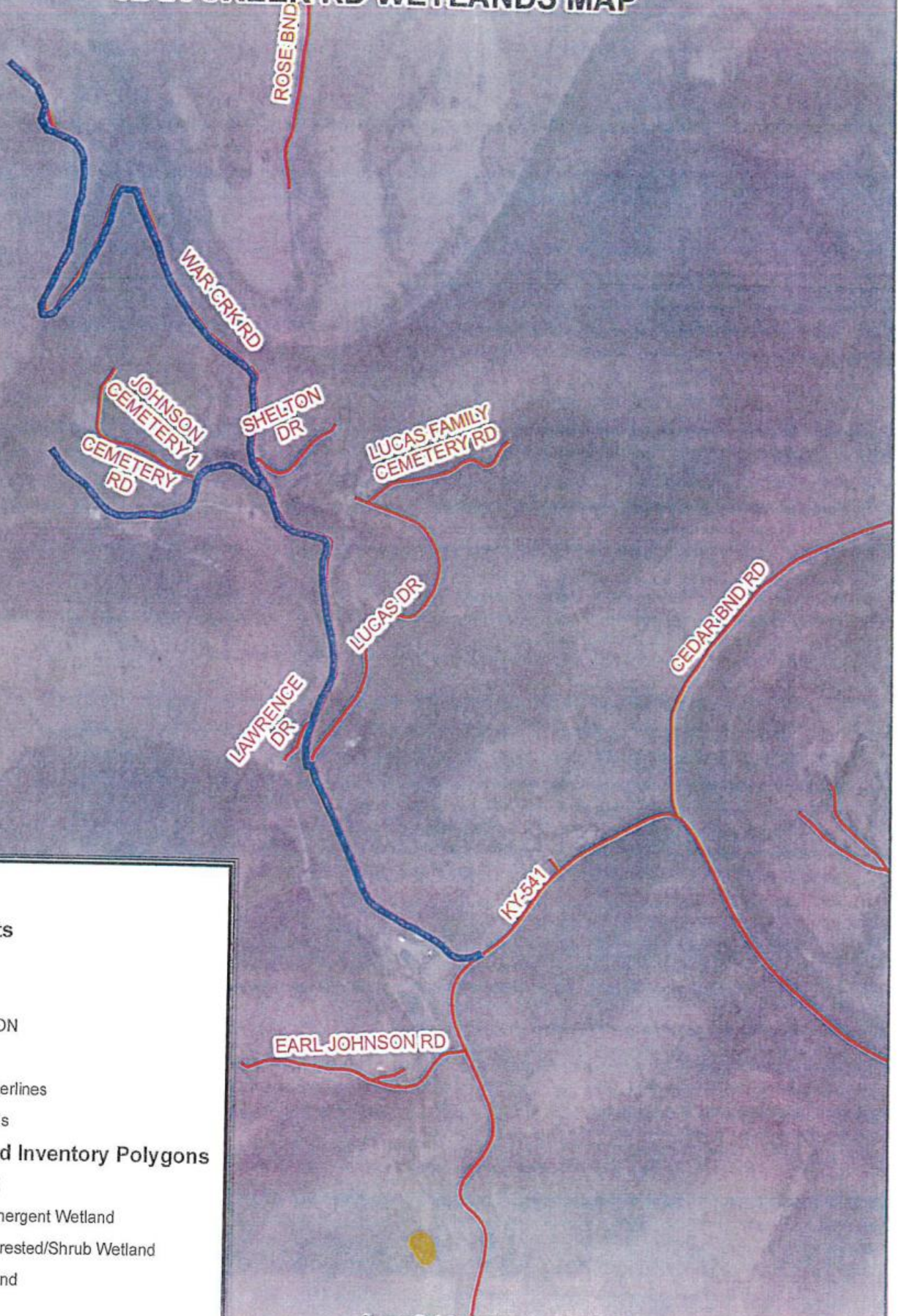
### FEMA DFIRM - Floodplain

#### FLD\_ZONE

-  0.2 PCT ANNUAL CHANCE FLOOD HAZARD
-  A
-  AE






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD WETLANDS MAP




## Legend

### Proposed Points

#### TYPE





-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

### National Wetland Inventory Polygons

#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



**Exhibit 9**  
**Division of Water Correspondence**







**y and Technical  
cancies**

1. Teach courses in the late program. Serve as assessment. Participate in degree preferred with (mathematics) tool of the master's degree faculty hence in the field with faculty could have an the teaching discipline all technical school and fine OR faculty could FOR faculty could have albits may be evaluated by the faculty members with combr. It may apply and obtain look on to students. For taught to apply. led by from institution.

BR/CR/HR/MS/ST/2020

Aspires and will continue

Adapt, County, Kentucky

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

By the date of 12/15/2020

The hearing will be cancelled if no request for a hearing or informal conference is received by Friday, January 15, 2021.  
41E12-16

**NOTICE**

Notice is hereby given that Breathitt Elementary School located at 90 LBI Road, Jackson Kentucky 41339, has filed an application with the Energy and Environment Cabinet to demolish the former school and construct a new elementary school that requires the construction of a drainage enclosure and a portion of the service drive to be built within the 100-year floodplain. The property is located at 90 LBI Road, Jackson Kentucky 41339 and the area impacted is approx. 390 feet from the intersection of LBI Drive and LBI Drive and 270 feet from Rainbow Lake.

Any comments or objections concerning this application shall be directed to Kentucky Division of Water, Floodplains Management Section, 300 State Blvd. 3rd Floor, Frankfort, Kentucky 40601, phone: (502) 564-3340.

**Floodplain and Wetland Notice of Explanation  
Activity in a 100-Year Floodplain**

The Breathitt County Water District (BCWD) is currently in the process of constructing a new elementary school at 90 LBI Road, Jackson, Kentucky 41339. The project requires the construction of a drainage enclosure and a portion of the service drive to be built within the 100-year floodplain. The property is located at 90 LBI Road, Jackson Kentucky 41339 and the area impacted is approx. 390 feet from the intersection of LBI Drive and LBI Drive and 270 feet from Rainbow Lake.

The Breathitt County Water District (BCWD) is currently in the process of constructing a new elementary school at 90 LBI Road, Jackson, Kentucky 41339. The project requires the construction of a drainage enclosure and a portion of the service drive to be built within the 100-year floodplain. The property is located at 90 LBI Road, Jackson Kentucky 41339 and the area impacted is approx. 390 feet from the intersection of LBI Drive and LBI Drive and 270 feet from Rainbow Lake.

The construction of the Breathitt Water Treatment Plant Project in the floodplain area will require the removal of existing structures. Construction of the project will require the removal of existing structures. Construction of the project will require the removal of existing structures. Construction of the project will require the removal of existing structures.

When comments are received by the Kentucky River Area Development District at the following address on or before December 12, 2020: Kentucky River Area Development District, 941 North Main Street, Hazard, KY 41701 and (606) 436-3153. Attention: Shannon Ritchie, Community and Economic Development Specialist, during the hours of 9am - 4:30pm Monday through Friday. Comments may also be submitted via email at skat...

Date: November 25, 2020





ANDY BESHEAR  
GOVERNOR

DEPARTMENT FOR LOCAL DEVELOPMENT  
OFFICE OF THE GOVERNOR  
100 AIRPORT ROAD, 3<sup>RD</sup> FLOOR  
FRANKFORT, KENTUCKY 40601-8204  
PHONE (502) 573-2382 FAX (502) 573-2939  
TOLL FREE (800) 346-5606  
www.dlg.ky.gov

DENNIS KEENE  
COMMISSIONER

October 22, 2020

Mr. Bobby Thorpe  
Breathitt County Water District  
1137 Main Street, Suite 305  
Jackson, KY

RE: Breathitt Waterline Extensions Phase 2  
WX21025033  
SAI# KY201909231203  
CFDA# 23.002

Dear Mr. Thorpe:

Pursuant to your request, the State Clearinghouse will update its evaluation of SAI# **KY201909231203**. The State Clearinghouse has contacted appropriate state agencies and determined its previous comments regarding this proposal are still valid.

Please consider this correspondence as official notification that the State Clearinghouse is reaffirming its previous correspondence. This endorsement remains valid for a period of one (1) year from the date of this letter.

If you have any questions regarding this matter, please feel free to contact the State Clearinghouse at 502-573-2382.

Sincerely,

Lee Nalley  
Kentucky State Clearinghouse





MATTHEW G. BEVIN  
GOVERNOR

DEPARTMENT FOR LOCAL GOVERNMENT  
OFFICE OF THE GOVERNOR  
100 AIRPORT ROAD, 3<sup>rd</sup> FLOOR  
FRANKFORT, KENTUCKY 40601-8204  
PHONE (502) 573-2382 FAX (502) 573-2939  
TOLL FREE (800) 346-5606/ TDD:711  
WWW.kydlgweb.ky.gov

SANDRA K. DUNAHOO  
COMMISSIONER

October 11, 2019

Mr. Bobby Thorpe  
Breathitt County Water District  
1137 Main Street, Suite 305  
Jackson, KY 41339

RE: Breathitt Waterline Extensions Phase 2  
WX21025033  
SAI# KY201909231203  
CFDA# 23.002

Dear Mr. Thorpe:

The Kentucky State e-Clearinghouse is the official designated Single Point of Contact (SPOC) for the Commonwealth pursuant to Presidential Executive Order 12372, and supported by Kentucky Statutes KRS 45.031. The primary function of the SPOC is to streamline the review aforementioned process for the applicant and the funding agency. This process helps in vocalizing the statutory and regulatory requirements. Information in the form of comments, if any, will be attached to this correspondence.

This proposal has been reviewed by the appropriate state agencies in the e-Clearinghouse for conflicts with state or local plans, goals and objectives. After receiving this letter, you should make it available to the funding agency and continue with the funding agencies application process. This e-clearinghouse SPOC letter signifies only that the project has followed the state reviewing requirements, and is neither a commitment of funds from this agency or any other state or federal agency. Please remember if any federal reviews are required the applicant must follow through with those federal agencies.

The results of this review are valid for one year from the date of this letter. If the project is not submitted to the funding agency or not approved within one year after the completion of this review, the applicant can request an extension by email to Lee.Nalley@ky.gov. If the project changes in any way after the review, the applicant must reapply through the eclearinghouse for a new review. There are no exceptions.

If you have any questions regarding this letter or the review process please contact the e-Clearinghouse office at 502-573-2382, ext. 274.

Sincerely,

Lee Nalley, SPOC  
Kentucky State Clearinghouse

Attachment



**Department for Environmental Protection**

Louanna Aldridge

Joel Murphy - Endorse with Comments The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water lines and appurtenances. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY201909231203) when submitting plans and specifications.

This project will provide service to four areas in the county. Creekside Road will service 5 households with approximately 5,761 linear feet of 4-inch PVC. War Creek Road will provide service to 18 households with approximately 9,406 linear feet of 4-inch PVC. Joe Ward Fork will construct approximately 2,800 linear feet of 4-inch PVC and 250 linear feet of 2-inch PVC to service 2 households. Mann Road will construct approximately 680 linear feet of 2-inch PVC to service 3 households. This project also includes the purchase of equipment which will include a service truck, mini excavator and an excavator trailer. The project will also perform system rehab. The 30 West and 30 East pump stations will have the pumps rebuilt/replaced to increase performance, reduce operation and maintenance costs and to ensure that there are no service interruptions. The valves and piping will be replaced at the KY 541, River Caney and KY 28 Pressure Reducing Vaults.

The non-significant deficiency noted as a result of the most recent Sanitary Survey (October 2017) should have been sufficiently addressed by this point. Additionally, recommendations listed within the most recent Sanitary Survey results letter (dated January 18, 2018), which have not already been implemented, are highly advised. Questions should be directed to Jennifer Taimi, Municipal Planning Section, (502) 782-7087, Jennifer.Taimi@ky.gov.

Plans and specifications that have been signed stamped and dated by a licensed professional engineer in Kentucky shall be submitted to the DOW for review and approval prior to the start of construction. Questions should be directed to Terry Humphries, Engineering Section, (502) 782-6983, Terry.Humphries@ky.gov.

Joe Ward Fork is included as a candidate Outstanding State Resource Water (OSRW) due to the support of a federally listed threatened or endangered species in the Frozen Creek Watershed. 401 KAR 10:031 Section 8 specifies additional water quality criteria that apply to OSRWs. In addition, best management practices should be utilized to reduce runoff from project construction activities into nearby waters. Questions should be directed to Andrea Fredenburg, Water Quality Branch, (502) 782-6950, Andrea.Fredenburg@ky.gov.

The pipeline construction along Big South Fork Branch Road and the pump station rehabilitation along KY-30 of this proposed project are within the Jackson Municipal Water Works designated Source Water Protection Areas, Zone # 1, 2, and 3. This proposed project is calculated to add approximately .0005 to .0006 Million Gallons per Day (MGD) of water demand. Questions should be directed to Chloe Brantley, Water Supply Section, (502) 782-6898, Chloe.Brantley@ky.gov.

Endorse. Questions should be directed to Daniel Fraley, Field Operations Branch, (606) 783-8655, Daniel.Fraley@ky.gov.

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, there are domestic groundwater water well users in the vicinity of the proposed work. It is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Kurtis Spears, Groundwater Section, (502) 782-7119, Kurtis.Spears@ky.gov or David Jackson, Groundwater Section, (502) 782-6986, DavidA.Jackson@ky.gov.

For pipeline stream crossings that are not covered under 401 KAR 4:050, a Kentucky DOW Application for Permit to Construct Across or Along a Stream must be submitted. Questions should be directed to Ron Dutta, Floodplain Management Section, (502) 782-6941, Ramendra.Dutta@ky.gov.



The Division of Enforcement does not object to the project proposed by the applicant. Questions should be directed to Tim Harrod, Division of Enforcement, (502) 782-6858, Timothy.Harrod@ky.gov.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Kentucky Division of Water supports the goals of EPA's Sustainable Infrastructure Initiative. This Initiative seeks to promote sustainable practices that will help to reduce the potential gap between funding needs and spending at the local and national level. The Sustainable Infrastructure Initiative will guide our efforts in changing how Kentucky views, values, manages, and invests in its water infrastructure. This website, [www.epa.gov/waterinfrastructure/](http://www.epa.gov/waterinfrastructure/), contains information that will help you ensure your facility and operations are consistent with and can benefit from the aims of the Sustainable Infrastructure Initiative.

**Division of Enforcement**  
Tim Harrod

The Division of Enforcement does not object to the project proposed by the applicant.

Tim Harrod, Enforcement Specialist  
Division of Enforcement  
Timothy.Harrod@ky.gov

**Division of Water**  
Benjamin Currens

For pipeline stream crossings that are not covered under 401 KAR 4:050, a Kentucky Division of Water Application for Permit to Construct Across or Along a Stream must be submitted. Questions should be directed to Ron Dutta at 502-782-6941 or Ramendra.Dutta@ky.gov

The pipeline construction along Big South Fork Branch Rd and the pump station rehabilitation along KY-30 of this proposed project are within the Jackson Municipal Water Works designated Source Water Protection Areas, Zone # 1, 2, and 3. Questions should be directed to Chloe Brantley at 502-782-6898 or Chloe.Brantley@ky.gov.

This proposed project is calculated to add approximately .0005 to .0006 Million Gallons per Day (MGD) of water demand.

**Division of Water**  
Andrea Fredenburg

Joe Ward Fork is included as a candidate Outstanding State Resource Water (OSRW) due to the support of a federally listed threatened or endangered species in the Frozen Creek Watershed. 401 KAR 10:031 Section 8 specifies additional water quality criteria that apply to OSRWs. In addition, best management practices should be utilized to reduce runoff from project construction activities into nearby waters.



**Division of Water**  
Terry Humphries

Plans and specifications that have been signed stamped and dated by a licensed professional engineer in Kentucky shall be submitted to the Division of water for review and approval prior to the start of construction.

**Division of Water**  
Jennifer Taimi

The non-significant deficiency noted as a result of the most recent Sanitary Survey (October 2017) should have been sufficiently addressed by this point. Additionally, recommendations listed within the most recent Sanitary Survey results letter (dated January 18, 2018), which have not already been implemented, are highly advised.

**DOW**  
Daniel Fraley

Endorse

**Fish and Wildlife**  
Dan Stoelb

To minimize impacts to the aquatic environment the Kentucky Dept. of Fish & Wildlife Resources recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be installed prior to construction and should be inspected and repaired regularly as needed. Please contact Dan Stoelb @ 502-892-4453 or Daniel.Stoelb@ky.gov if you have further questions or require additional information.

**Kentucky Division of Water**  
Chloe Brantley  
Project filed.

**Kentucky Infrastructure Authority**  
Don Schierer

This project was reviewed in the WRIS Portal by KIA staff.

**Kentucky River ADD**  
Jennifer McIntosh

KY River ADD has reviewed the project and it matches the project profile submitted to the WMC. The ADD asks that upon completion a copy of the as-builts be submitted digitally so that the WRIS may be updated.

**Kentucky River Area Development District**  
Angelia Hall  
For File



**Kentucky Transportation Cabinet (10)**  
Jason Blackburn (D 10)

Applicant must acquire any necessary Highway Encroachment Permit before starting any work along Commonwealth Right of Way.

**Kentucky Public Service Commission**  
Sam Reid

The PSC Staff's review and comments concerning the project signify only that the documents provided in support of the project appear sufficient to meet the state application requirements set forth in KRS 45:031. The PSC Staff's review and comments on projects in the eClearinghouse are for informational purposes only. Nothing stated herein is binding on the PSC, nor should be interpreted as fulfilling any statutory or regulatory requirement applicable to the project in any proceeding before the PSC.

**KY Department of Housing Buildings and Construction**  
Duane Curry

The Kentucky Department of Housing, Buildings and Construction approves with no comments.

**KY Heritage Council**  
Yvonne Sherrick

To receive a review from the KY Heritage Council/State Historical Preservation Office (SHPO) you must follow the instructions located on their website at <http://www.heritage.ky.gov/siteprotect/>. There you will find the required documents for the Section 106 Review and Compliance for 36 CFR Part 800. This Section 106 submission process to SHPO will assist applicants and agencies in providing the appropriate level of information to receive comments from SHPO. If you have any questions please contact Yvonne Sherrick, Administrative Specialist III, (502) 564-7005, Ext. 113, [yvonne.sherrick@ky.gov](mailto:yvonne.sherrick@ky.gov).

Please note: If your project is funded through Transportation Alternative (TAP), Transportation Enhancements (TE), Congestion, Mitigation, Air Quality (CMAQ), or Safe Routes to School (SRTS) you will need to send this information to Michael Jones, Historic Preservation Program Administrator with the Kentucky Transportation Cabinet via email [MichaelR.Jones2@ky.gov](mailto:MichaelR.Jones2@ky.gov) or hard copy to Michael Jones, Office of Local Programs, KY Transportation Cabinet, 200 Mero Street Frankfort, KY 40622. Do not send materials directly to SHPO if your project involves funding from these four sources as it will cause delays in the review process. Michael Jones will consult directly with the SHPO on projects with these funding sources to complete the Section 106 review.

**KY. Division of Water**  
Kurtis Spears

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, there are domestic groundwater water well users in the vicinity of the proposed work. It is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Kurtis Spears (502-782-7119) or the Section Supervisor David Jackson (502-782-6986).





ANDY BESHEAR  
GOVERNOR

REBECCA W. GOODMAN  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

ANTHONY R. HATTON  
COMMISSIONER

300 SOWER BOULEVARD  
FRANKFORT, KENTUCKY 40601  
TELEPHONE: 502-564-2150  
TELEFAX: 502-564-4245

October 23, 2020

Kentucky River Area Development District  
941 N. Main St.  
Hazard, KY 41701

Re: Breathitt Co. Water District--Breathitt Waterline Ext. Phase 2 Project (WX21025033)--SERO  
2020-39

Dear Ms. McIntosh,

The Energy and Environment Cabinet serves as the state clearinghouse for review of environmental documents generated pursuant to the National Environmental Policy Act (NEPA). Within the Cabinet, the Commissioner's Office in the Department for Environmental Protection coordinates the review for Kentucky state agencies. We received your letter requesting an environmental review for this project. We have reviewed the document and provided comments below.

**Division of Water**

**Water Infrastructure Branch:**

The non-significant deficiency noted as a result of the most recent Sanitary Survey (October 2017) should have been sufficiently addressed by this point. Additionally, recommendations listed within the most recent Sanitary Survey results letter (dated January 18, 2018), which have not already been implemented, are highly advised. Questions should be directed to Jennifer Taimi, Municipal Planning Section, (502) 782-7087, [Jennifer.Taimi@ky.gov](mailto:Jennifer.Taimi@ky.gov).

Plans and specifications that have been signed stamped and dated by a licensed professional engineer in Kentucky shall be submitted to the DOW for review and approval prior to the start of construction. Questions should be directed to Terry Humphries, Engineering Section, (502) 782-6983, [Terry.Humphries@ky.gov](mailto:Terry.Humphries@ky.gov).

**Water Quality Branch:**

Joe Ward Fork is included as a candidate Outstanding State Resource Water (OSRW) due to the support of a federally listed threatened or endangered species in the Frozen Creek Watershed. 401 KAR 10:031 Section 8 specifies additional water quality criteria that apply to OSRWs. In addition, best management practices should be utilized to reduce runoff from project



construction activities into nearby waters. Questions should be directed to Andrea Fredenburg, Water Quality Branch, (502) 782-6950, [Andrea.Fredenburg@ky.gov](mailto:Andrea.Fredenburg@ky.gov).

**Water Resources Branch:**

For pipeline stream crossings that are not covered under 401 KAR 4:050, a Kentucky DOW Application for Permit to Construct Across or Along a Stream must be submitted. Questions should be directed to Shawn Hokanson, Floodplain Management Section, (502) 782-6977, [Shawn.Hokanson@ky.gov](mailto:Shawn.Hokanson@ky.gov).

**Watershed Management:**

The pipeline construction along Big South Fork Branch Road and the pump station rehabilitation along KY-30 of this proposed project are within the Jackson Municipal Water Works designated Source Water Protection Areas, Zone # 1, 2, and 3. This proposed project is calculated to add approximately .0005 to .0006 Million Gallons per Day (MGD) of water demand. Questions should be directed to Chloe Brantley, Water Supply Section, (502) 782-6898, [Chloe.Brantley@ky.gov](mailto:Chloe.Brantley@ky.gov).

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, there are domestic groundwater water well users in the vicinity of the proposed work. It is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Adam Nolte, Groundwater Section, (502) 782-1312, [Adam.Nolte@ky.gov](mailto:Adam.Nolte@ky.gov) or Kurtis Spears, Groundwater Section, (502) 782-7119, [Kurtis.Spears@ky.gov](mailto:Kurtis.Spears@ky.gov).

**Field Operations Branch:**

Endorse. Questions should be directed to Daniel Fraley, Field Operations Branch, (606) 783-8655, [Daniel.Fraley@ky.gov](mailto:Daniel.Fraley@ky.gov).

**Enforcement Branch:**

The Division of Enforcement does not object to the project proposed by the applicant. Questions should be directed to Tim Harrod, Division of Enforcement, (502) 782-6858, [Timothy.Harrod@ky.gov](mailto:Timothy.Harrod@ky.gov).

**Division of Waste Management**

UST Branch records indicate the following underground storage tank site issues identified within the project impact area:

Active Sites:

**Dex Mini Mart**

**MASTER AI ID:** 56790

**LONGITUDE:** -83.34020000000001

**LATITUDE:** 37.5349

**Jiffy Mart Inc**

**MASTER AI ID:** 56776



**LONGITUDE:** -83.34020000000001  
**LATITUDE:** 37.5349

**Go Time 3**

**MASTER AI ID:** 56743  
**LONGITUDE:** -83.34020000000001  
**LATITUDE:** 37.5349

**Closed Sites:**

**Route 30 Truck Stop**  
**MASTER AI ID:** 56729  
**LONGITUDE:** -83.46776426  
**LATITUDE:** 37.49762697

**Breathitt Co State Maintenance Garage**

**MASTER AI ID:** 407  
**LONGITUDE:** -83.341522  
**LATITUDE:** 37.541881

**C & J Supermarket**

**MASTER AI ID:** 56731  
**LONGITUDE:** -83.34020000000001  
**LATITUDE:** 37.5349

**Strong Property**

**MASTER AI ID:** 70009  
**LONGITUDE:** -83.33980000000001  
**LATITUDE:** 37.535000000000004

If any UST's are encountered during the project construction they should be reported to KDWM.  
Any UST issues or questions should be directed to the UST Branch.

Superfund Branch records indicate the following superfund site issue identified within the project impact area:

**Breathitt Co State Maintenance Garage**

**MASTER AI ID:** 407  
**SUBJECT ITEM DESIGNATION:** KYTC Maint. Garage  
**CLOSURE OPTION DESC:** Option B Contained/Managed  
**CLOSURE DATE:** 04/24/2011  
**LAT LONG SOURCE:** SI  
**LONGITUDE:** -83.341667  
**LATITUDE:** 37.541667

Any superfund issues or questions should be directed to the Superfund Branch.



Solid Waste Branch records indicate no active or historic landfill sites within the project impact area. Any solid waste issues or questions should be directed to the Solid Waste Branch.

Hazardous Waste Branch records indicate no hazardous waste issues identified within the project impact area. Any hazardous waste issues or questions should be directed to the Hazardous Waste Branch.

RLA Branch records indicate the following RLA tracked open dumps within the project impact area:

**MASTER AI ID:** 71850

**MASTER AI NAME:** Hwy 30 East Dump

**USER GROUP DESCRIPTION:** RCLA Dump ID

**ALTERNATE AI ID:** 013-005

**LONGITUDE:** -83.34605556

**LATITUDE:** 37.54855556

**MASTER AI ID:** 103944

**MASTER AI NAME:** Big Branch - South Fork Dump

**USER GROUP DESCRIPTION:** RCLA Dump ID

**ALTERNATE AI ID:** 013-076

**LONGITUDE:** -83.3408

**LATITUDE:** 37.54

Any questions or issues should be directed to the RLA Branch.

All solid waste generated by this project must be disposed of at a permitted facility.

If asbestos, lead paint and/or other contaminants are encountered during this project contact the Division of Waste Management for proper disposal and closure.

The information provided is based on those facilities or sites that KDWM currently has in its database. If you would like additional information on any of these facilities or sites, you may contact the file room custodian at (502) 782-6357. Please keep in mind additional locations of releases, potential contamination or waste facilities may be present but unknown to the agency. Therefore, it is recommended that appropriate precautions be taken during construction activities. Please report any evidence of illegal waste disposal facilities and releases of hazardous substances, pollutants, contaminants or petroleum to the 24-hour Environmental Response Team at 1-800-928-2380.

#### **Division for Air Quality**

**401 KAR 63:010**, Fugitive Emissions, states that no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored without taking reasonable precaution to prevent particulate matter from becoming airborne. Additional requirements include the covering of open bodied trucks, operating outside the work area transporting materials likely to become airborne, and that no one shall allow earth or other material being transported by truck or earth-moving equipment to be deposited onto a paved street or roadway. Please note the



Fugitive Emissions Fact Sheet located at <https://eec.ky.gov/Environmental-Protection/Air/Documents/Fugitive%20Dust%20Fact%20Sheet.pdf>

**401 KAR 63:005** states that open burning shall be prohibited except as specifically provided. Open Burning is defined as the burning of any matter in such a manner that the products of combustion resulting from the burning are emitted directly into the outdoor atmosphere without passing through a stack or chimney. However, open burning may be utilized for the expressed purposes listed on the Open Burning Brochure located at <https://eec.ky.gov/Environmental-Protection/Air/Pages/Open-Burning.aspx>

The Division would like to offer the following suggestions on how this project can help us stay in compliance with the NAAQS. These air quality control strategies are beneficial to the health of citizens of Kentucky.

- Utilize alternatively fueled equipment.
- Utilize other emission controls that are applicable to your equipment.
- Reduce idling time on equipment.

The Division also suggests an investigation into compliance with applicable local government regulations.

### **Kentucky Nature Preserves**

Your project might have the potential of impacting federally or state listed species and natural communities. Go to the Kentucky Biological Assessment Tool ([kynaturepreserves.org](http://kynaturepreserves.org)) to obtain a Standard Occurrence Report for information regarding listed species known within your project area. The report will also provide information on public and private conservation lands, areas of biodiversity significance, and other natural resources in your project area for which the Office of Kentucky Nature Preserves maintains data.

This review is based upon the information that was provided by the applicant. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments. If you should have any questions, please contact me at (502) 782-0863 or e-mail [Louanna.Aldridge@ky.gov](mailto:Louanna.Aldridge@ky.gov).

Sincerely,



Louanna Aldridge  
Staff Assistant  
Office of the Commissioner  
Department for Environmental Protection  
Energy and Environment Cabinet



ANDY BESHEAR  
GOVERNOR



REBECCA W. GOODMAN  
SECRETARY

ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON  
COMMISSIONER

300 SOWER BOULEVARD  
FRANKFORT, KENTUCKY 40601

November 6, 2020

To whom it may concern:

As part of the Federal Assistance Review I completed for the Breathitt Waterline Extensions Phase 2 project (WX21025033), I endorsed the project with a comment stating the non-significant deficiency Breathitt County Water District received from the October 2017 Sanitary Survey needed to be addressed. The deficiency has been corrected. Also of note, Breathitt County Water District had a Sanitary Survey last month (October 2020) and received no deficiencies.

If you have any questions, please feel free to contact me at [jennifer.taimi@ky.gov](mailto:jennifer.taimi@ky.gov) or 502-782-7087.

Sincerely,

A handwritten signature in blue ink that reads "Jennifer M. Taimi".

Jennifer M. Taimi  
Environmental Scientist  
Kentucky Division of Water





ANDY BESHEAR  
GOVERNOR

**ENERGY AND ENVIRONMENT CABINET**  
**OFFICE OF KENTUCKY NATURE PRESERVES**

REBECCA W. GOODMAN  
SECRETARY

ZEB WEESE  
EXECUTIVE DIRECTOR

300 SOWER BOULEVARD  
FRANKFORT, KENTUCKY 40601  
TELEPHONE: 502-573-2886  
TELEFAX: 502-564-7484

December 16, 2020

Shannon Ritchie  
Kentucky River Area Development District  
941 North Main Street  
Hazard, KY 41701

Project: Breathitt Waterline Extensions Phase 2  
Project ID: 21-0077  
Project Type: Standard (\*customers will be invoiced), 1 mile buffer  
(\$120 fee)  
Site Acreage: 113.30  
Site Lat/Lon: 37.615039 / -83.490780  
County: Breathitt  
USGS Quad: JACKSON  
Watershed HUC12: War Creek-North Fork Kentucky River

Dear Shannon Ritchie,

This letter is in response to your data request for the project referenced above. 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 Office of Kentucky Nature Preserves occur within your general project area. Your project does pose a concern at this time, therefore please see the attached reports and [report key](#) for more detailed information.

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 Office of Kentucky Nature Preserves, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Office of Kentucky Nature Preserves." The exact location of plants, animals, and natural communities, if released by the Office of Kentucky Nature Preserves, 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 Biological Assessment Branch (300 Sower Blvd - 4th Floor, Frankfort, KY, 40601. Phone: 502-782-7828).

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

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Project ID: 21-0077  
December 16, 2020  
Page 2

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,

Elizabeth Mason  
Geoprocessing Specialist

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**Standard Occurrence Report  
KNP monitored species within 1 Miles of Project Area**

OID	Scientific Name	Common Name	G3	S3	S	Y	1997-08-28	SRANK	SPROT	USES	STWG	Last Obs	Direction	EO	Lat / Lon	Directions	Habitat
89	<i>Fusconia subrotunda</i>	Longsolid	G3	S3	S	Y	1997-08-28							D	37°51'08" / -83°46'	NORTH FORK KENTUCKY RIVER AT WAR CREEK	Gravel bars and deep pools in large rivers and large to medium-sized streams (Ahlstedt 1984, Goodrich and Van Der Schalle 1944, Neal and Allen 1964, Parmelee 1967).
033	<i>Myotis humeralis</i>	Evening Bat	G5	S4	N	Y	1930-pre							U	37.511 / -83.264	Breathitt Co.	The evening bat is a colonial species that roosts in trees and houses. It apparently migrates southward in winter.

**Critical Habitats within 1 Miles of Project Area**

CriticalHabitatName	UnitName	Submit Name	Federal Register
Holly Creek	Cave Branch	81FR69312	

**Bat Habitats within 1 Miles of Project Area**

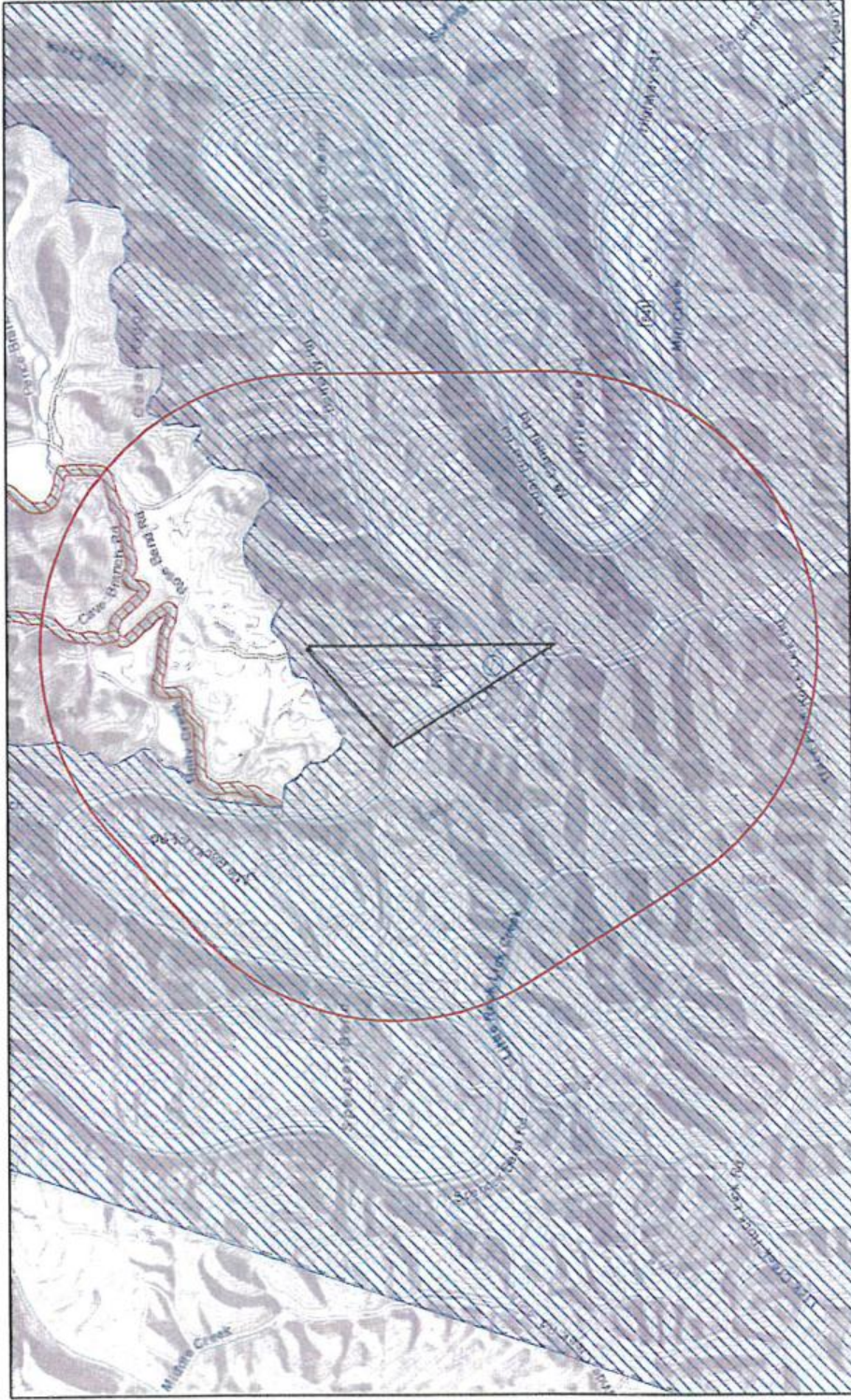
Habitat	Species	USEFS	Contact
SUMMER 1	<i>M. septentrionalis</i>	USEFS	Contact: USEFS at (502) 695-0468 or KentuckyES@fws.gov

THESE DATA ARE VALID ONLY ON THE DATE ON WHICH THE REPORT WAS GENERATED.  
THESE DATA MAY ONLY BE USED FOR THE PROJECT NAMED ABOVE.

849



# Breathitt Waterline Extensions Phase 2



December 16, 2020

1:32,301

0 0.275 0.55 1.1 mi

0 0.425 0.85 1.7 km

Sources: Esri, HERE, Garmin, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBasis, IGN, Kadaster NL, Ordnance Survey, Esri

-  Project Boundary
-  Buffered Project Boundary
-  USFWS Critical Habitats
-  Element Occurrences





# Kentucky River

AREA  
DEVELOPMENT  
DISTRICT

941 N. MAIN ST. • HAZARD, KENTUCKY 41701 • PHONE 606-436-3158

September 23, 2020

**CHAIRMAN**  
Pam Pilgrim  
**VICE-CHAIRMAN**  
Tracy Nelce  
Mayor  
**TREASURER**  
Terry Adams  
Judge/Executive  
**SECRETARY**  
Gregory Whitson  
**PARLIAMENTARIAN**  
Laura Thomas  
Mayor

**BOARD OF DIRECTORS**

**County Judge Executives**  
Jeff Noble - Breathitt Co.  
Jeff Dobson - Knott Co.  
Chuck Caudill - Lee Co.  
William R. Lewis - Leslie Co.  
Terry Adams - Letcher Co.  
Cale Turner - Owsley Co.  
Scott Alexander - Perry Co.  
Raymond Banks - Wolfe Co.

**Mayors**  
Laura Thomas - Jackson  
Tracy Nelce - Hindman  
Scott Cartlett - Pippa Passes  
Scott Jackson - Beattyville  
Carol Joseph - Hyden  
Susan Polis - Fleming-Neon  
James W. Craft - Whitesburg  
Todd DePriest - Jenkins  
Nelson Bobrowski - Booneville  
Ernest Back - Vico  
Donald "Happy" Mobelini - Hazard  
Tom Burns - Buckhorn  
Kathi May - Campton

**Citizen Members**  
Roy Danrell Herald  
Gary Campbell  
Ray D. Moore  
Larry Parke  
Larry Perkins  
Zach Sandlin  
Hiram Cornett  
Eugene Stewart  
Everett Marshall  
Doug Brandenburg  
Fred Hall  
Jack Burklich  
Dale Bishop  
Derrick Bowling  
Neil Napier  
Gregory Whitson  
Meriwether Wash-Hall  
Pam Pilgrim  
Shirley Halcomb

**Executive Director**  
Michelle Allen

E-Mail: michelle@kradd.org  
FAX NUMBER 606-436-2144  
TDD NUMBER 1-800-247-2510  
(hearing impaired)

Louanna Aldridge  
Department for Environmental Protection  
300 Sower Blvd, 2nd Floor  
Frankfort, KY 40601

**RE: Breathitt County Water District – Breathitt Waterline Extension  
Phase 2 Project (WX21025033)**

Dear Ms. Aldridge:

The Breathitt County Water District has received funding through the Appalachian Regional Commission for the above referenced project. This project will extend waterlines to four areas in Breathitt County; Creekside Road, War Creek Road, Joe Ward Fork, and Mann Road. This project will construct approximately 17,967 Linear Feet (LF) of 4” PVC and 930 LF of 2” PVC waterline throughout the service areas; serving approximately 28 households. Additionally, two pump stations within the Breathitt water system will be rebuilt or replaced; one on 30 West and one on 30 East. The valves and piping will be replaced at the KY 541, River Caney, and KY 28 pressure reducing vaults.

This project is located throughout Breathitt County, Kentucky. This project will serve approximately 28 households in Breathitt County. Due to the scope of the project there will be ground disturbance in previously disturbed highway right-of-way or existing easements. There will be no tree removal.

The Kentucky River Area Development District has been asked to undertake a NEPA environmental review of this project to ascertain the impact of the proposed activities. Please provide comments from the following Divisions under the Kentucky Department for Environmental Protection jurisdiction:

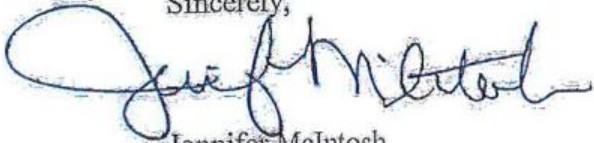
- Division for Air Quality
- Division of Waste Management
- Division of Water
- Division of Water – Floodplain Management



I have enclosed a project location, floodplain, and wetlands map(s) and project description for your reference.

Your comments may address beneficial or adverse impacts or, both. I would appreciate receiving your comments in the near future. I will assume if I have not received a response from you within 30 days of this letter, that your office does not anticipate any negative environmental impacts from this project, per your area(s) of responsibility. Responses can be sent by email to: [jennifer@kradd.org](mailto:jennifer@kradd.org). Thank you, for your time and assistance.

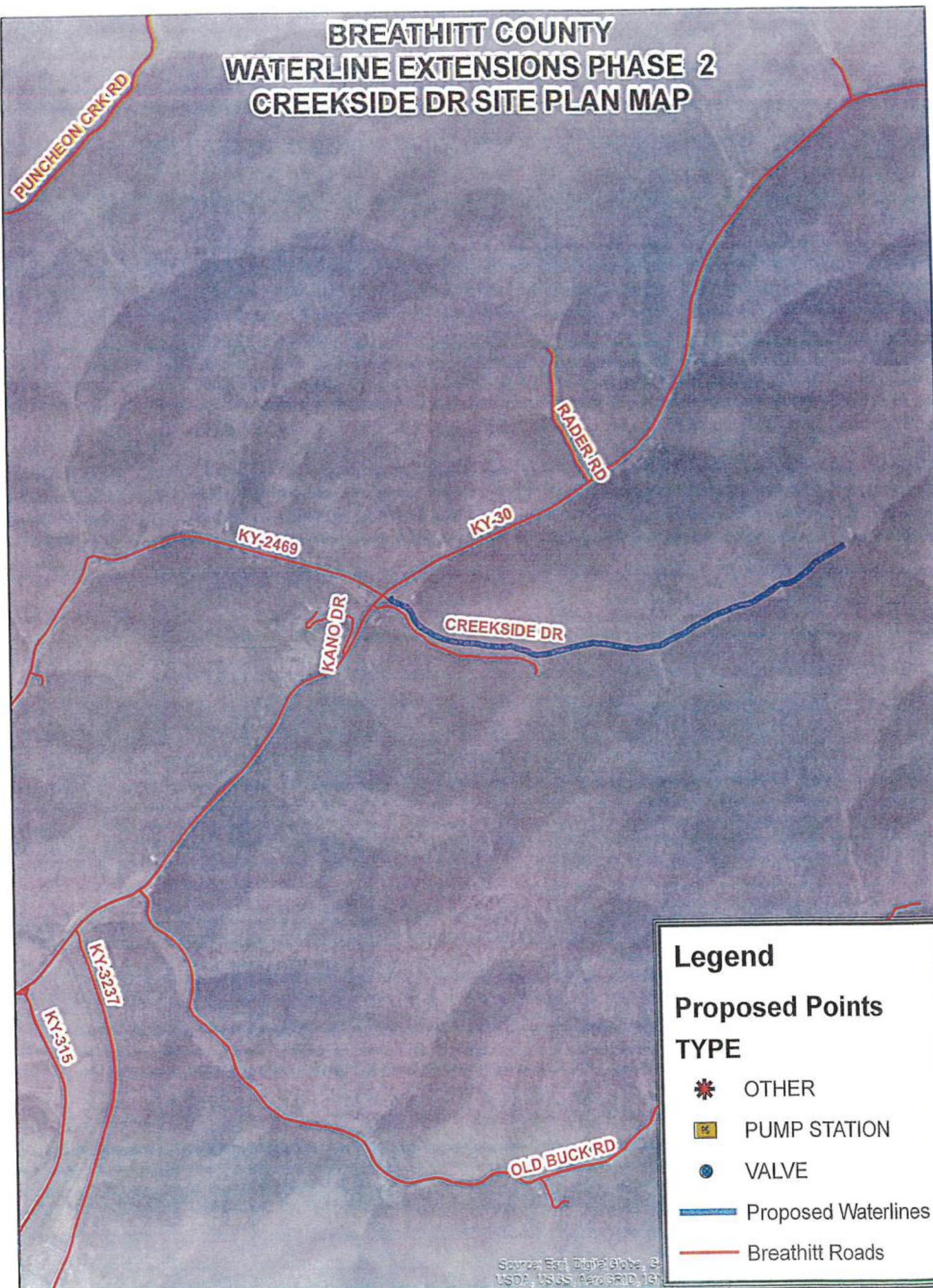
Sincerely,

A handwritten signature in blue ink, appearing to read "Jennifer McIntosh". The signature is fluid and cursive, with a large initial "J" and "M".

Jennifer McIntosh  
Water & Wastewater Planner



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR SITE PLAN MAP



## Legend

### Proposed Points

#### TYPE



OTHER



PUMP STATION



VALVE



Proposed Waterlines

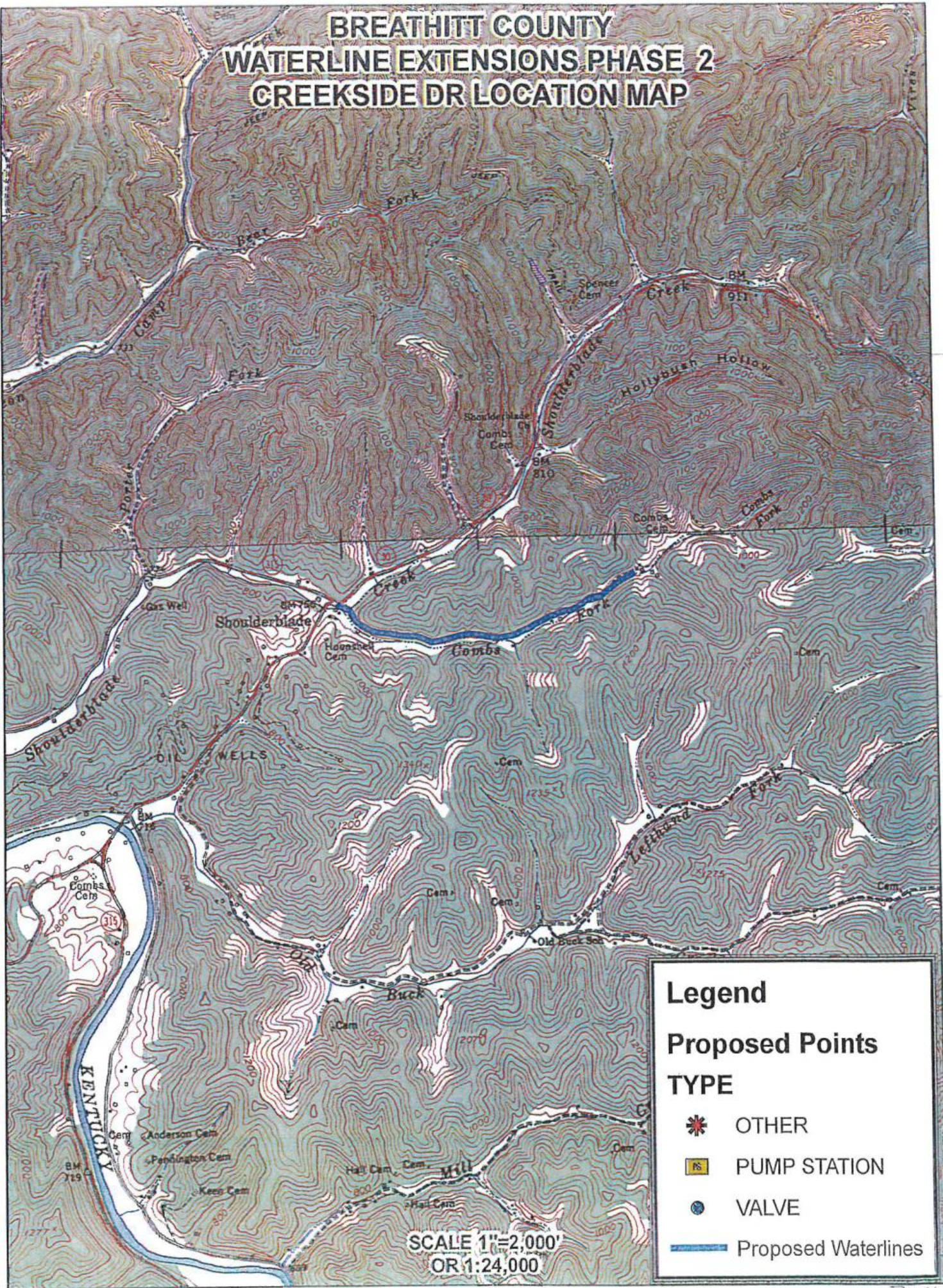


Breathitt Roads

Source: Esri, DigitalGlobe, GeoUSA, USGS, AeroGRID, IGN







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR LOCATION MAP



**Legend**

**Proposed Points**

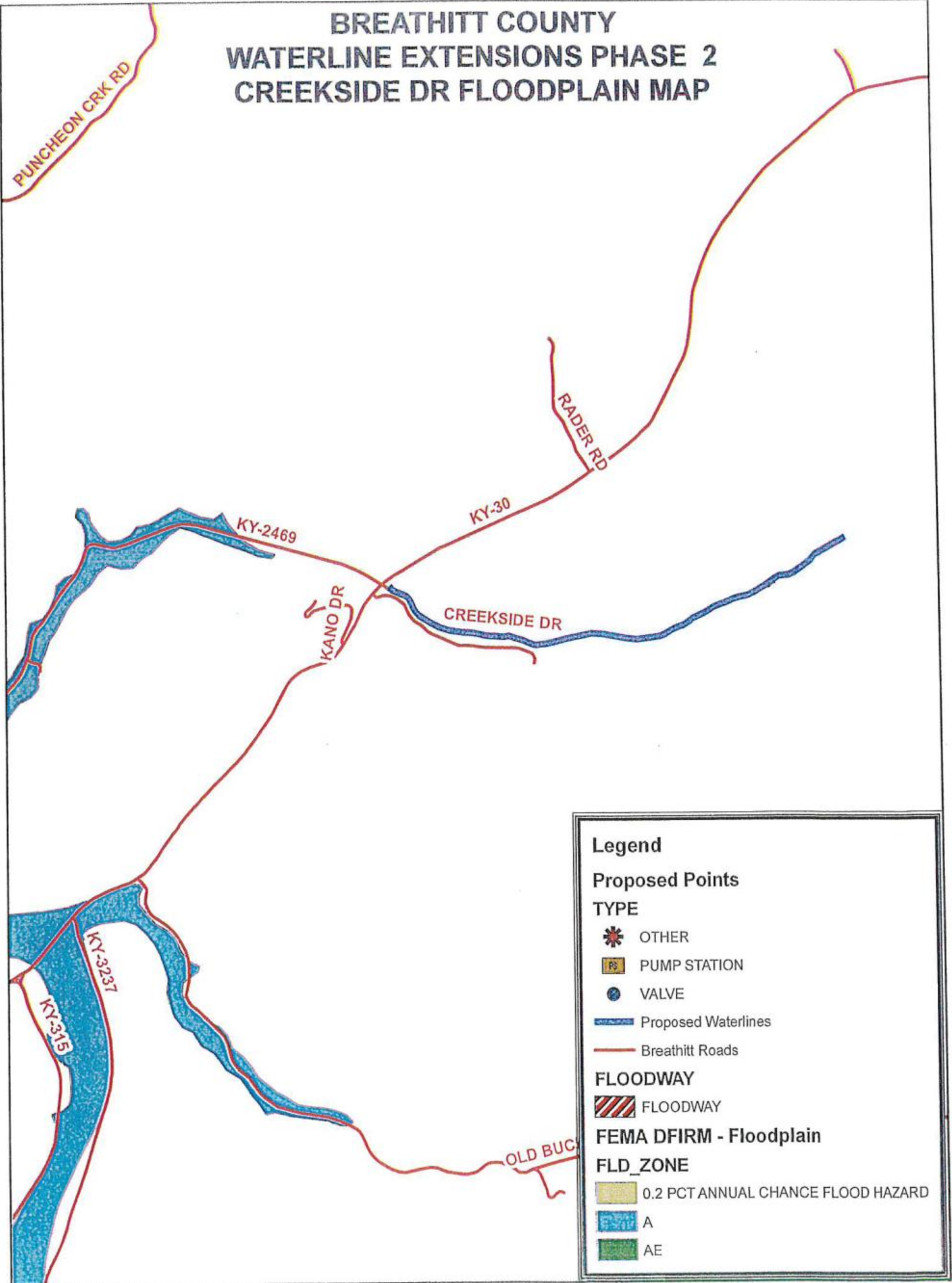
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

SCALE 1"=2,000'  
OR 1:24,000

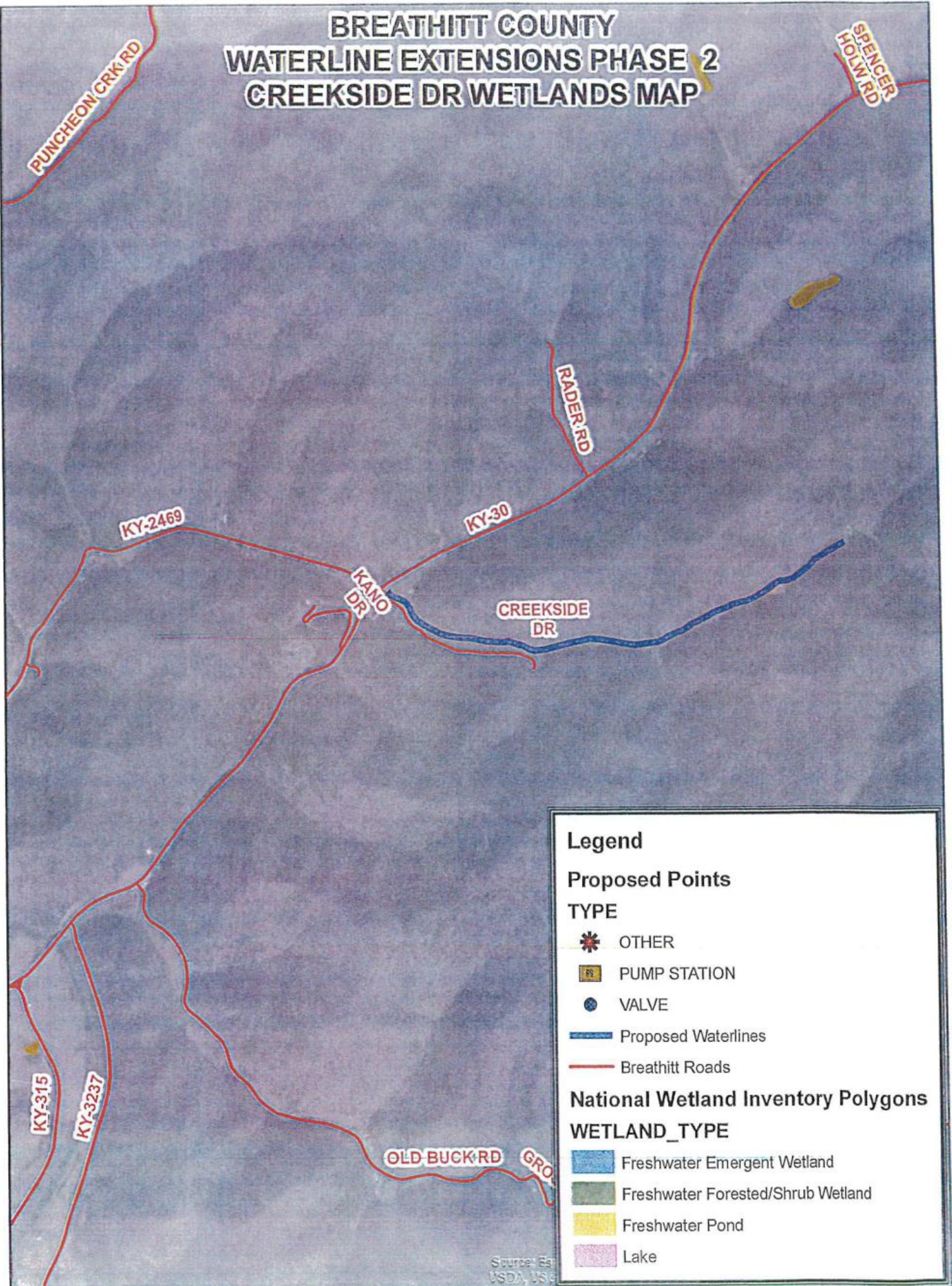


# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR FLOODPLAIN MAP








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR WETLANDS MAP





## Legend

### Proposed Points





#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE

-  Proposed Waterlines
-  Breathitt Roads

### National Wetland Inventory Polygons

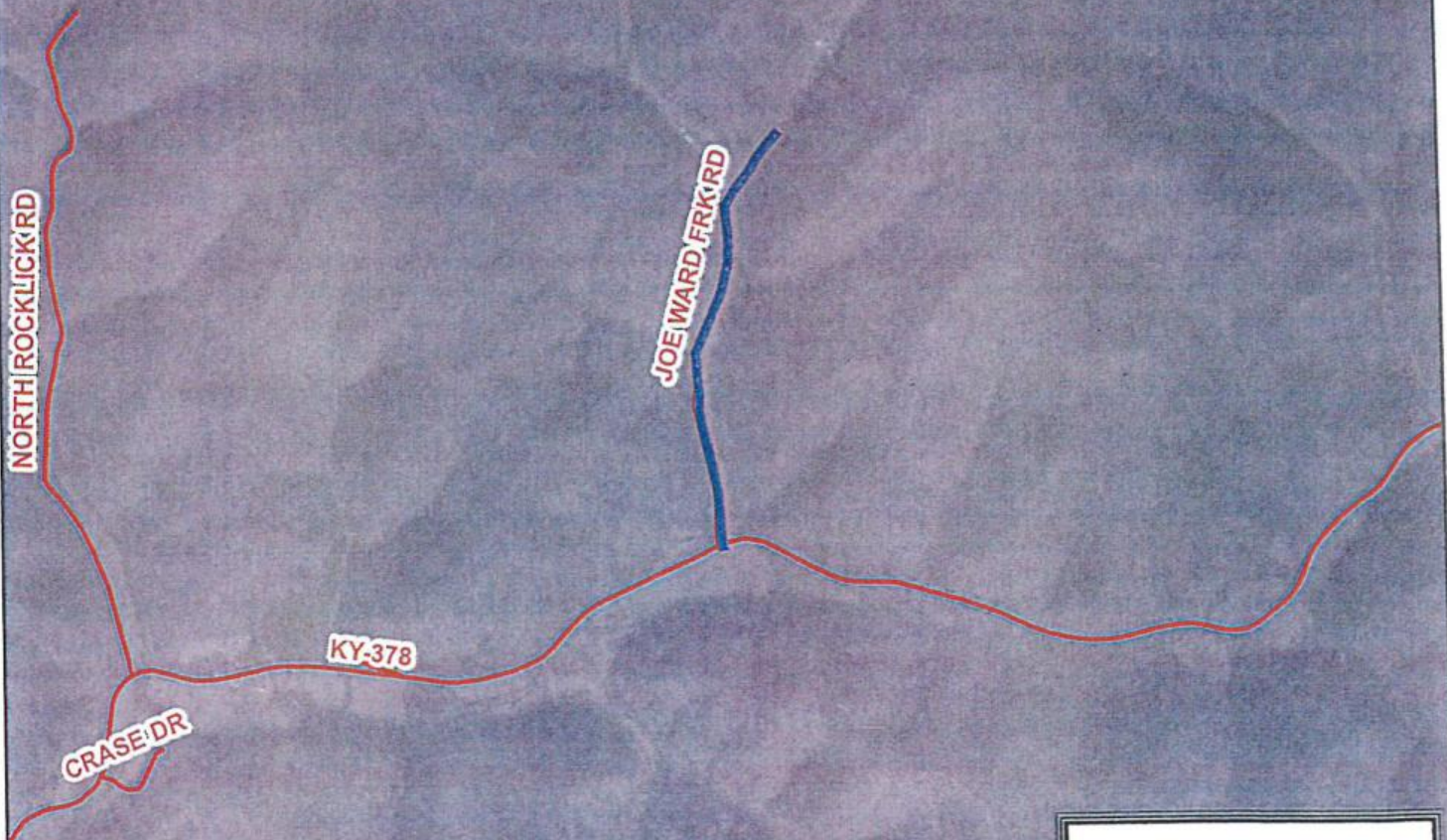
#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

Source: Esri  
USDA, USGS








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD SITE PLAN MAP



**Legend**

**Proposed Points**

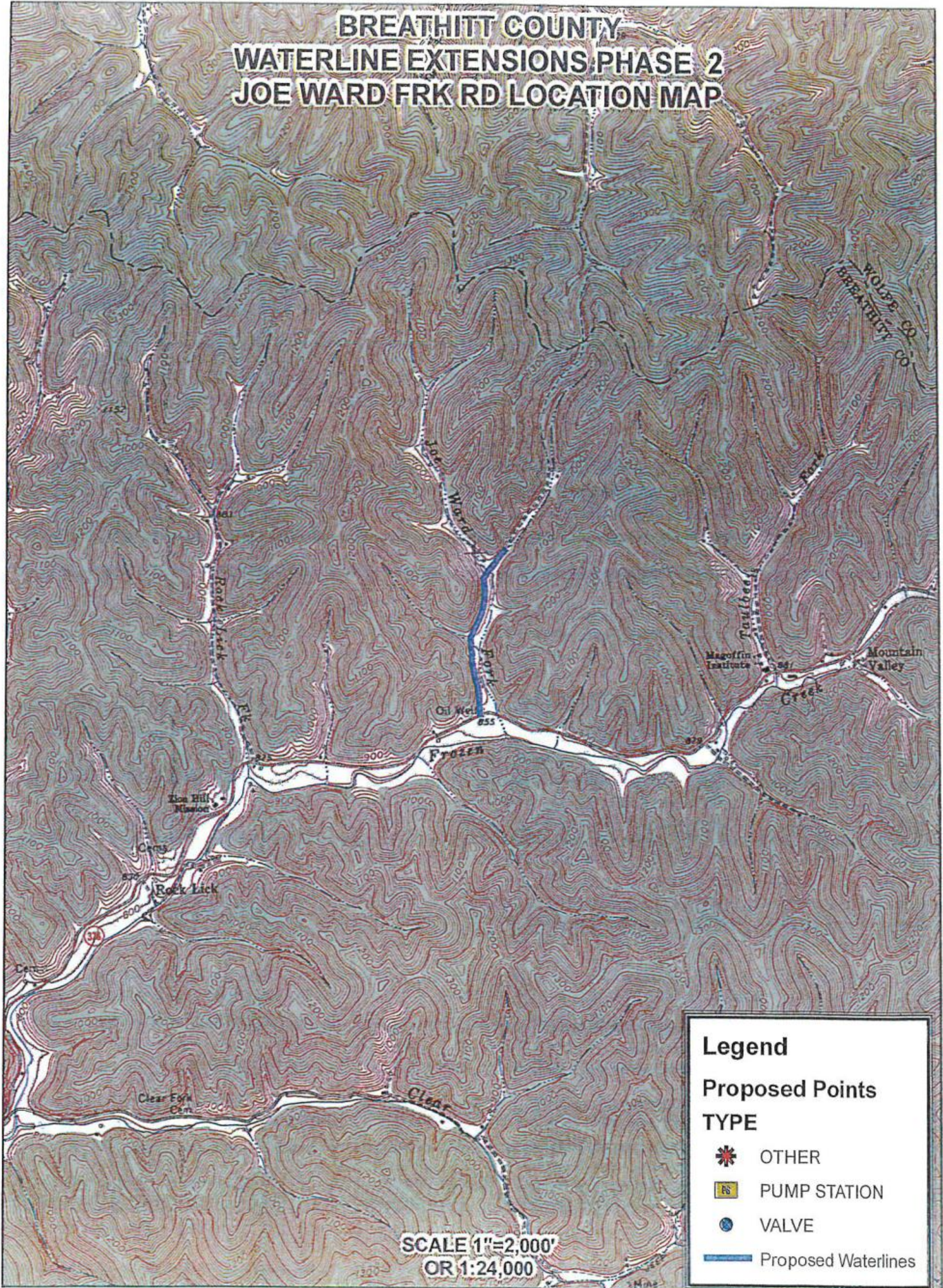
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USA, USGS, AeroGRID, IGN, and







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD LOCATION MAP



## Legend

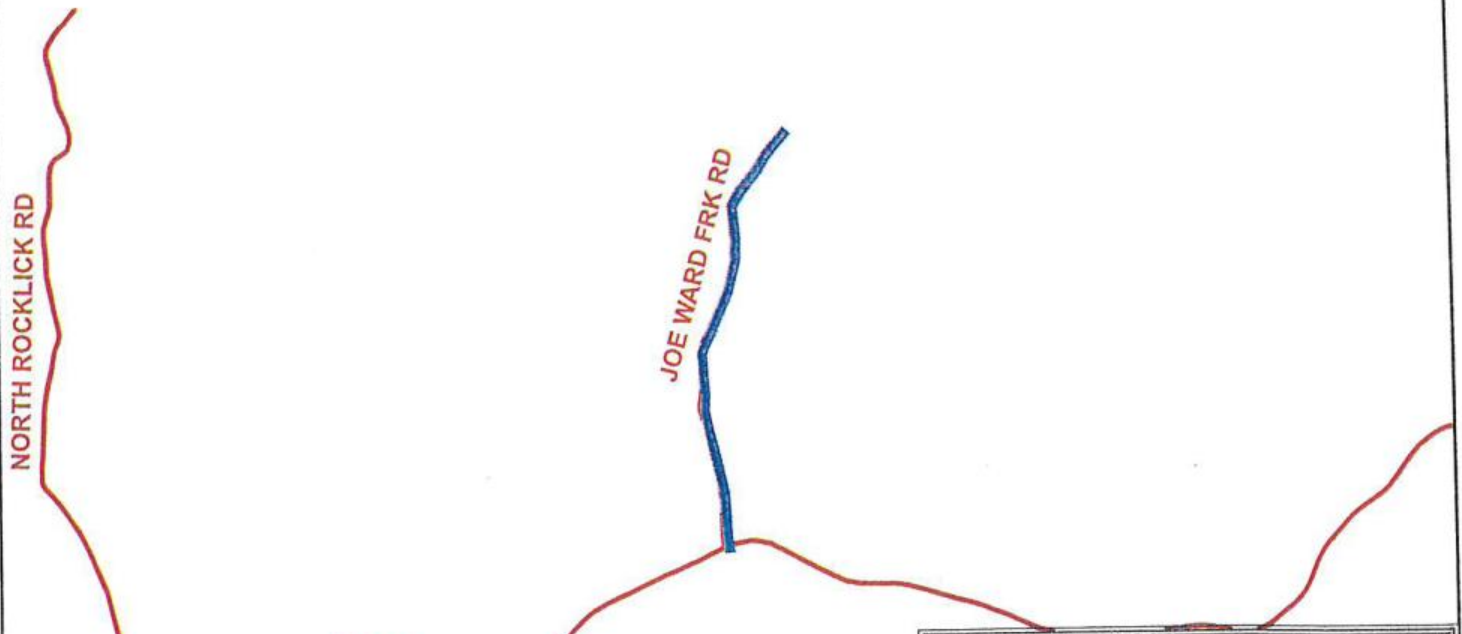
### Proposed Points

#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD FLOODPLAIN MAP



**Legend**

**Proposed Points**

TYPE

- OTHER
- PUMP STATION
- VALVE
- Proposed Waterlines
- Breathitt Roads

**FLOODWAY**

- FLOODWAY

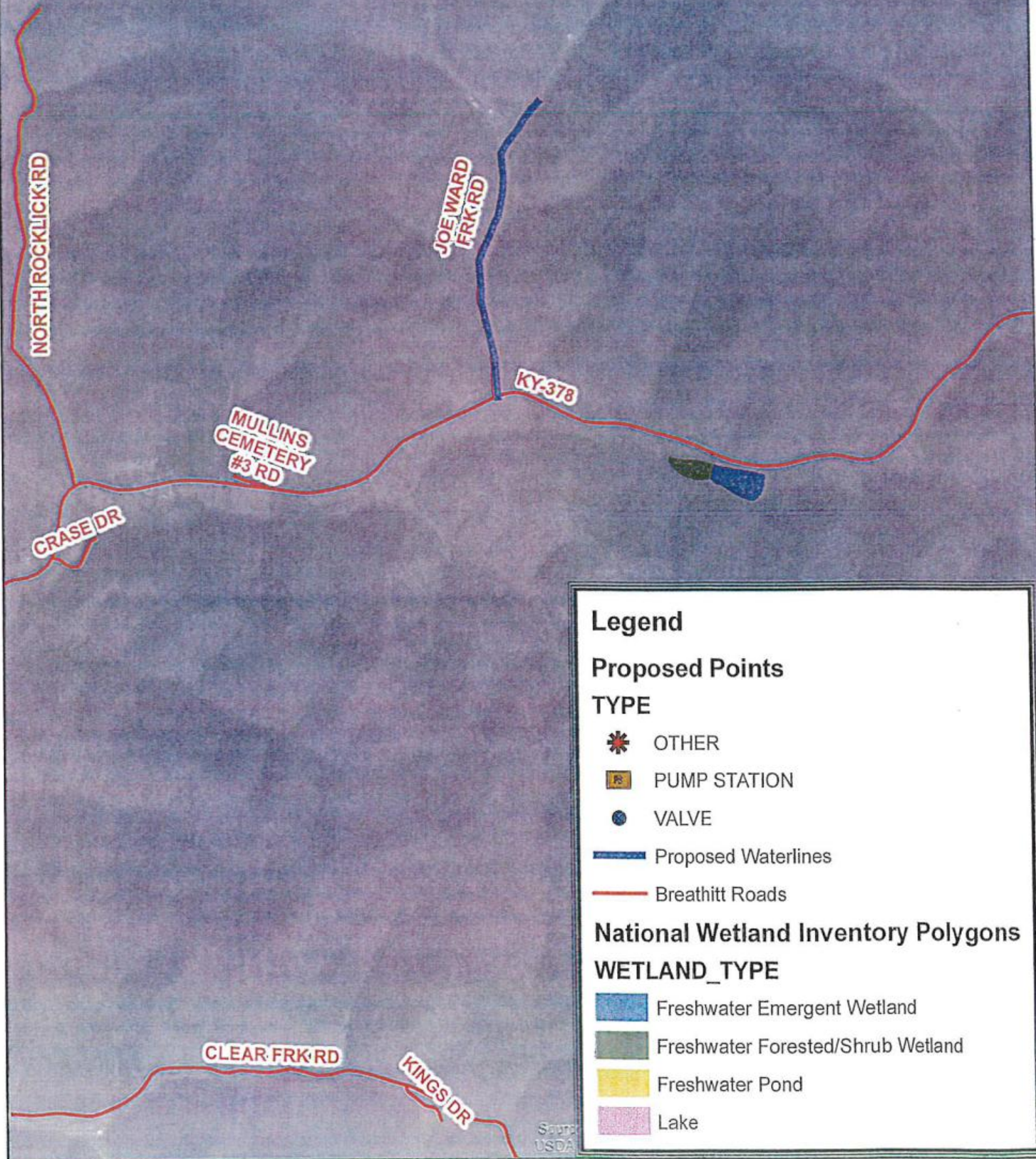
**FEMA DFIRM - Floodplain**

**FLD\_ZONE**

- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- A
- AE






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD WETLANDS MAP





## Legend

### Proposed Points





#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE

-  Proposed Waterlines
-  Breathitt Roads

### National Wetland Inventory Polygons

#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

320






**BREATHITT COUNTY  
WATERLINE EXTENSIONS PHASE 2  
KY 28 PRESSURE RELIEF VALVE  
SITE PLAN MAP**





**Legend**

**Proposed Points**

**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

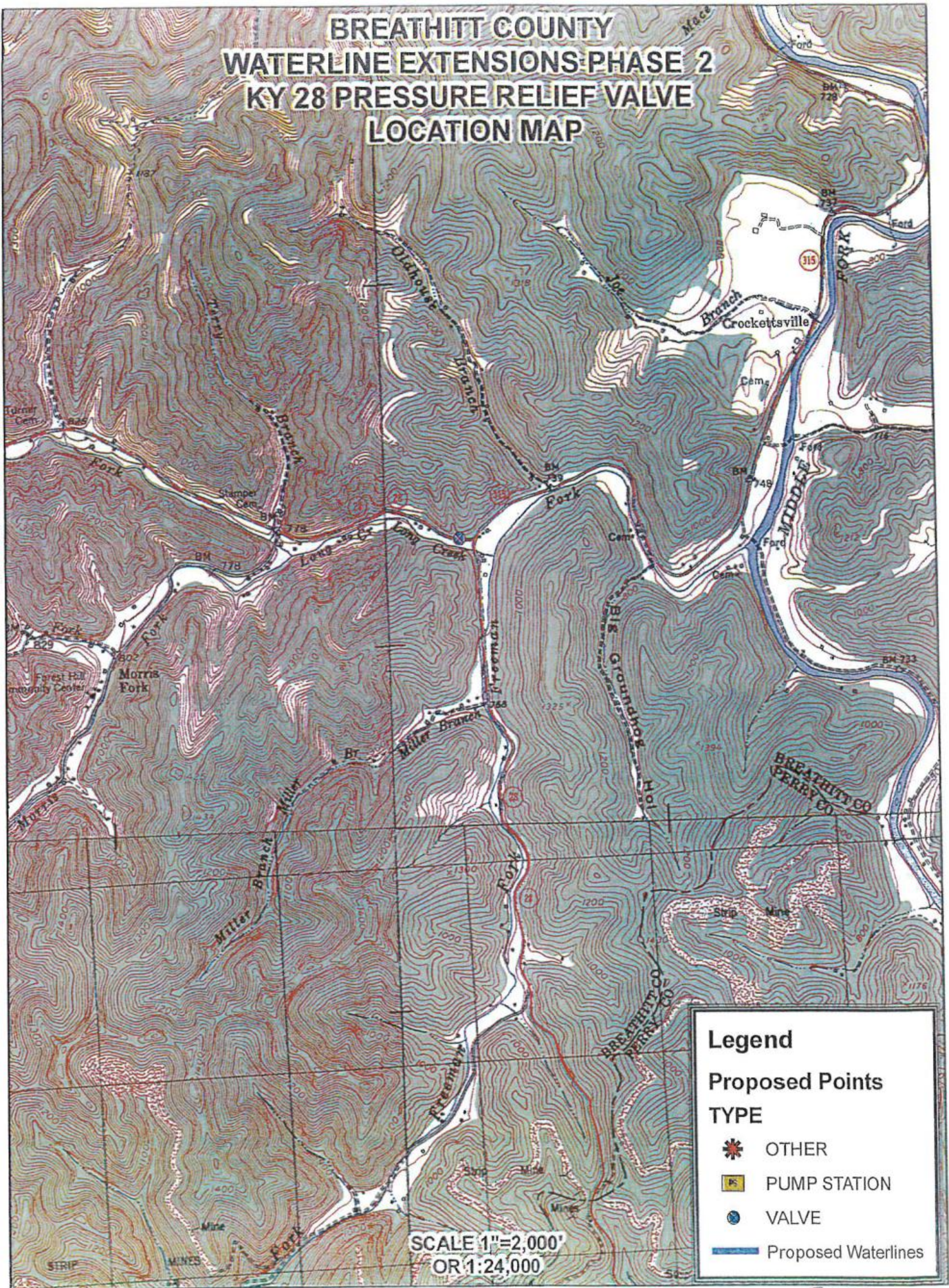
 Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and...

321







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE LOCATION MAP



**Legend**

**Proposed Points**

**TYPE**

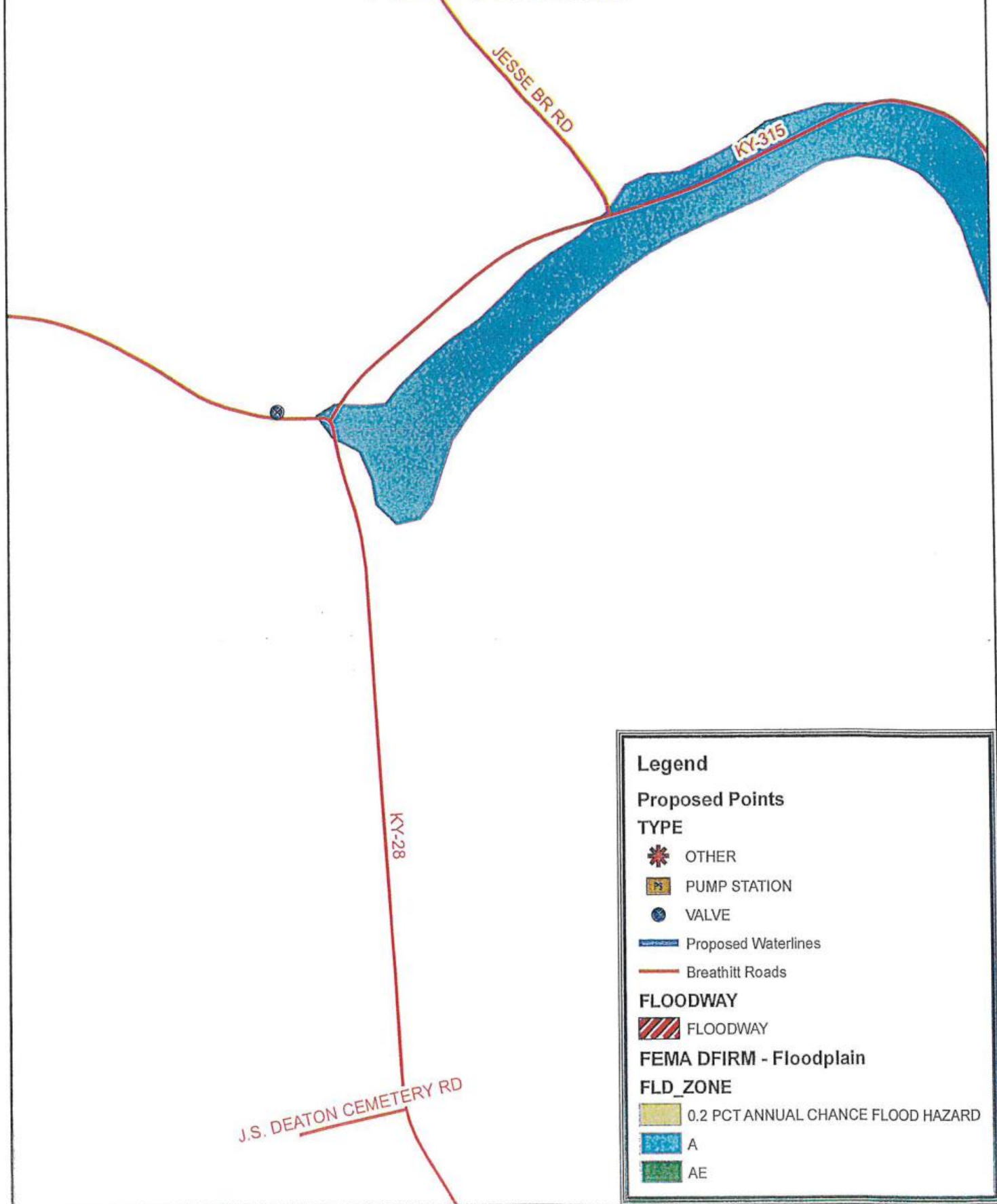
-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines










SCALE 1"=2,000'  
OR 1:24,000

322



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE FLOODPLAIN MAP



Legend	
<b>Proposed Points</b>	
<b>TYPE</b>	
	OTHER
	PUMP STATION
	VALVE
	Proposed Waterlines
	Breathitt Roads
<b>FLOODWAY</b>	
	FLOODWAY
<b>FEMA DFIRM - Floodplain</b>	
<b>FLD_ZONE</b>	
	0.2 PCT ANNUAL CHANGE FLOOD HAZARD
	A
	AE






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE WETLANDS MAP





### Legend

#### Proposed Points





#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE

-  Proposed Waterlines
-  Breathitt Roads

#### National Wetland Inventory Polygons

#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

Source: Soil  
USDA, USGS

324








**BREATHITT COUNTY  
WATERLINE EXTENSIONS PHASE 2  
KY 541 PRESSURE REDUCING VALVE  
SITE PLAN MAP**



**Legend**

**Proposed Points**

**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE LOCATION MAP



SCALE 1"=2,000'  
OR 1:24,000

**Legend**

**Proposed Points**

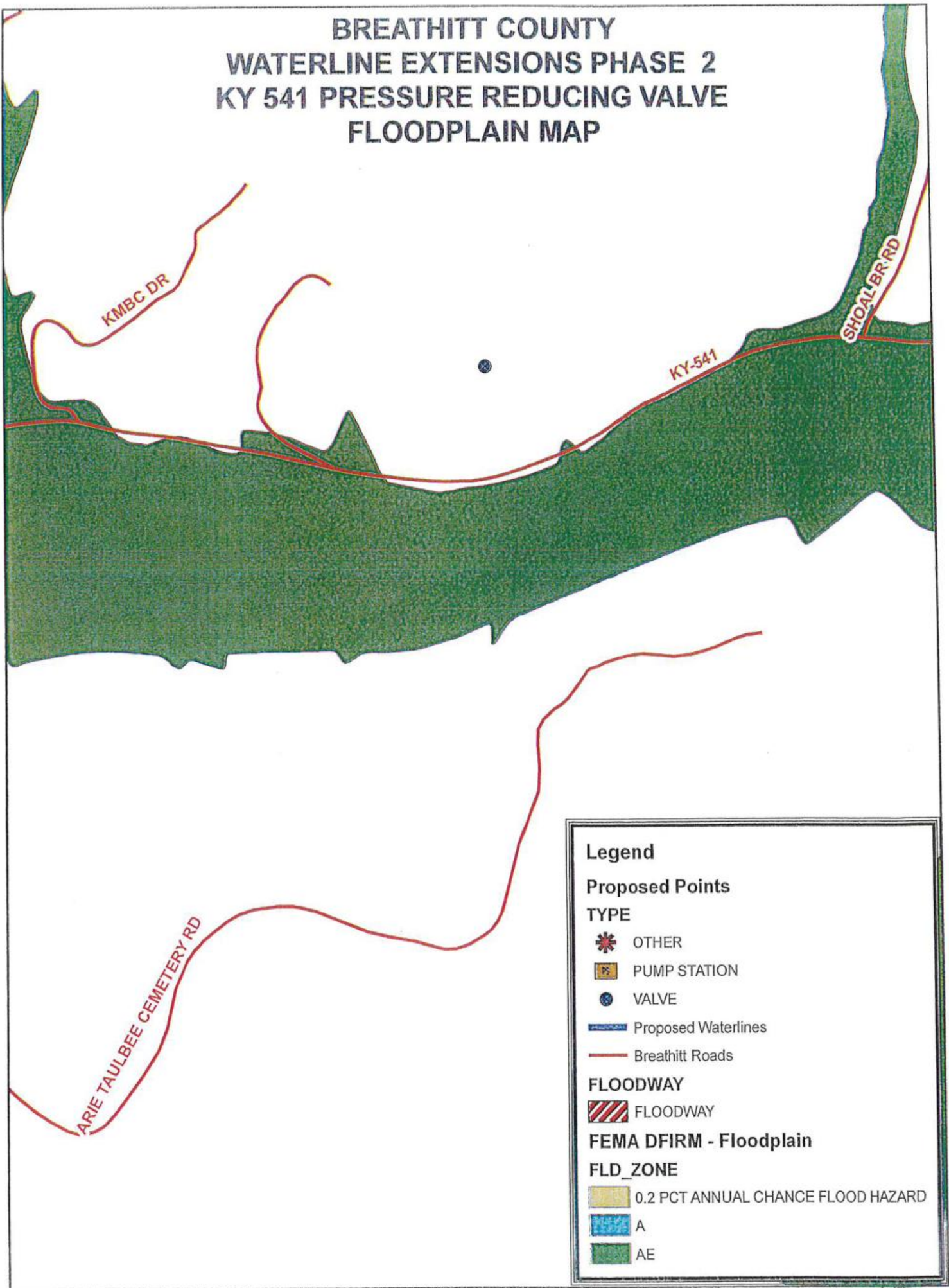
**TYPE**

- OTHER
- PUMP STATION
- VALVE
- Proposed Waterlines

322






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE FLOODPLAIN MAP





**Legend**

**Proposed Points**


**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines




 Breathitt Roads

**FLOODWAY**

-  FLOODWAY

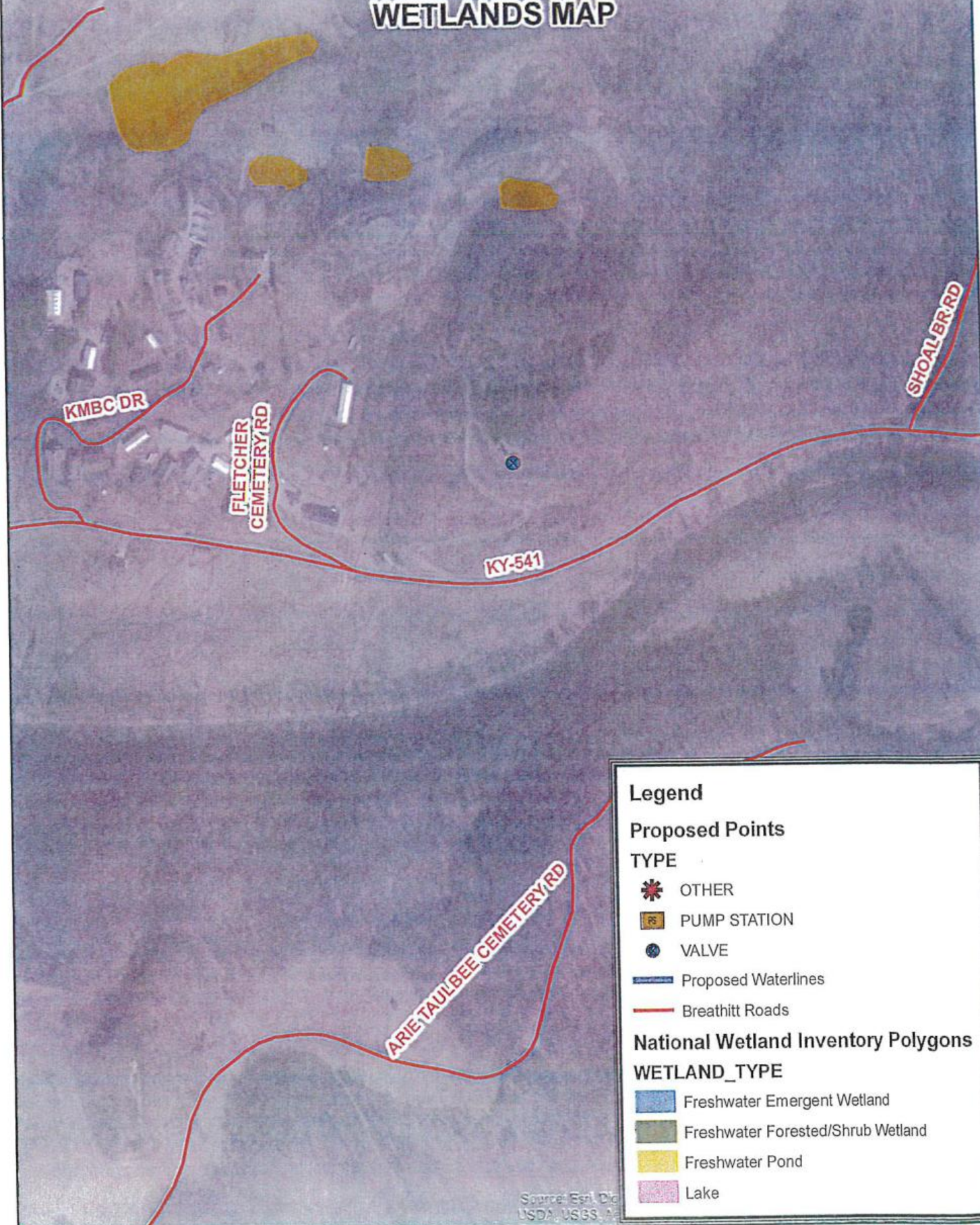
**FEMA DFIRM - Floodplain**

**FLD\_ZONE**

-  0.2 PCT ANNUAL CHANCE FLOOD HAZARD
-  A
-  AE



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE WETLANDS MAP



Legend	
<b>Proposed Points</b>	
<b>TYPE</b>	
	OTHER
	PUMP STATION
	VALVE
	Proposed Waterlines
	Breathitt Roads
<b>National Wetland Inventory Polygons</b>	
<b>WETLAND_TYPE</b>	
	Freshwater Emergent Wetland
	Freshwater Forested/Shrub Wetland
	Freshwater Pond
	Lake

Source: Esri, DeLorme, USGS, Aerial



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION SITE PLAN MAP

BREATHITT VALLEY

ROBINSON FRK

30

KY-30

REYNOLDS DR





KY-397

SANDYLYNN DR

## Legend

### Proposed Points

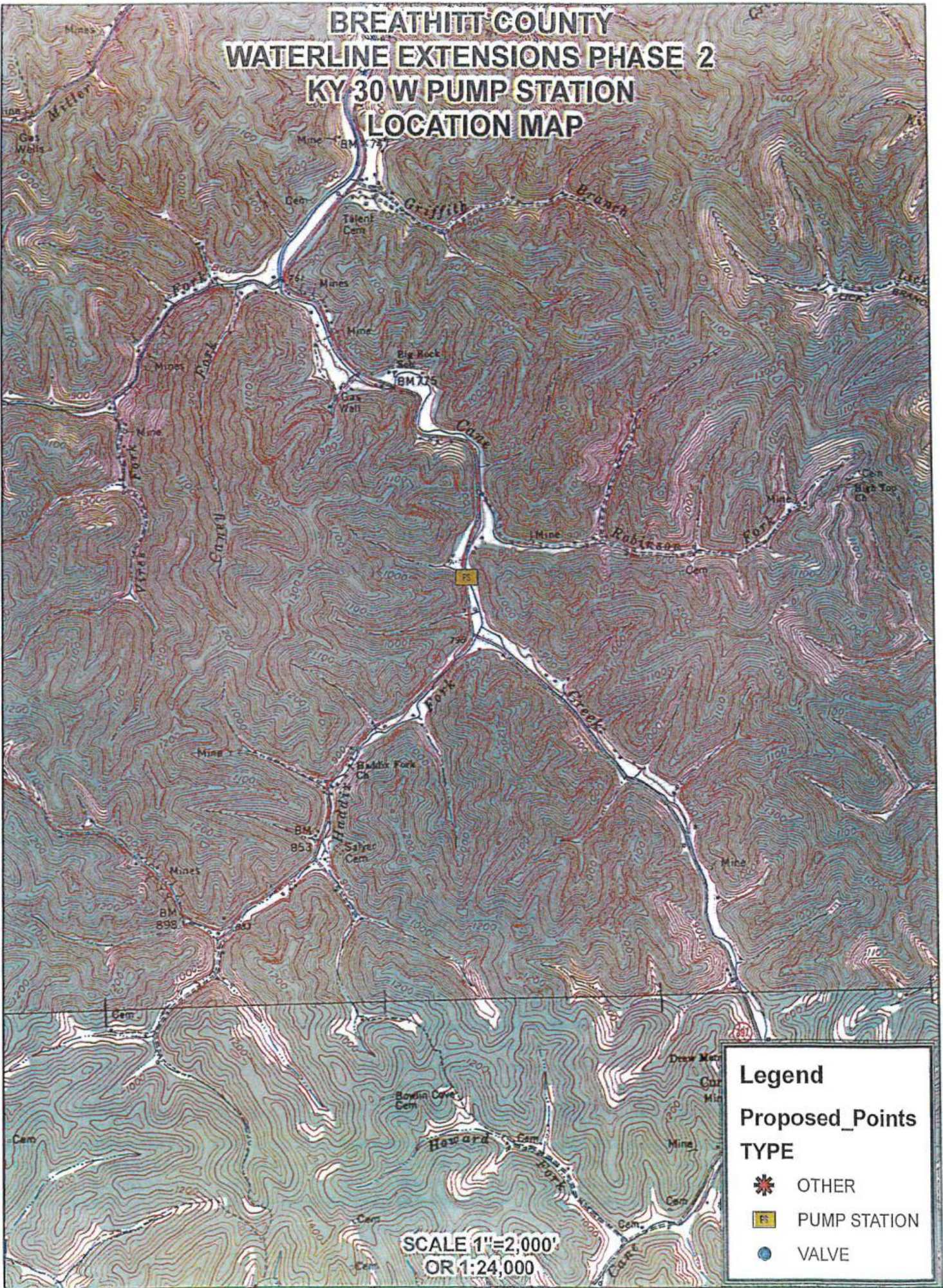
#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AeroGRID, IGN, and the GIS



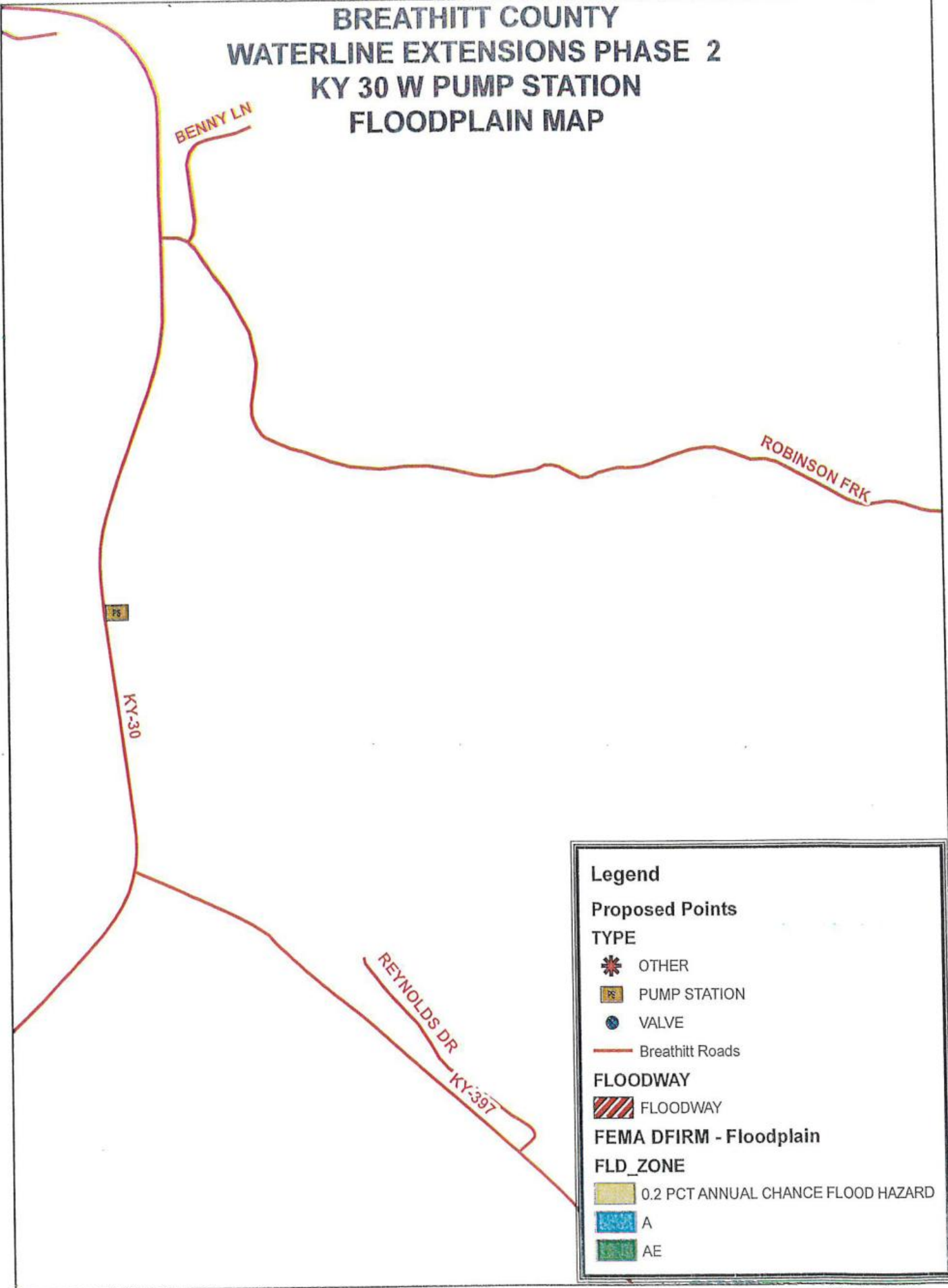
# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION LOCATION MAP



370



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION FLOODPLAIN MAP



Legend	
<b>Proposed Points</b>	
<b>TYPE</b>	
	OTHER
	PUMP STATION
	VALVE
	Breathitt Roads
<b>FLOODWAY</b>	
	FLOODWAY
<b>FEMA DFIRM - Floodplain</b>	
<b>FLD_ZONE</b>	
	0.2 PCT ANNUAL CHANCE FLOOD HAZARD
	A
	AE



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION WETLANDS MAP

BENNY LN

ROBINSON FRK




KY-30

SANDY  
LYNN DR

## Legend

### Proposed Points





#### TYPE

-  OTHER
-  PUMP STATION
-  VALVE

 Breathitt Roads

### National Wetland Inventory Polygons

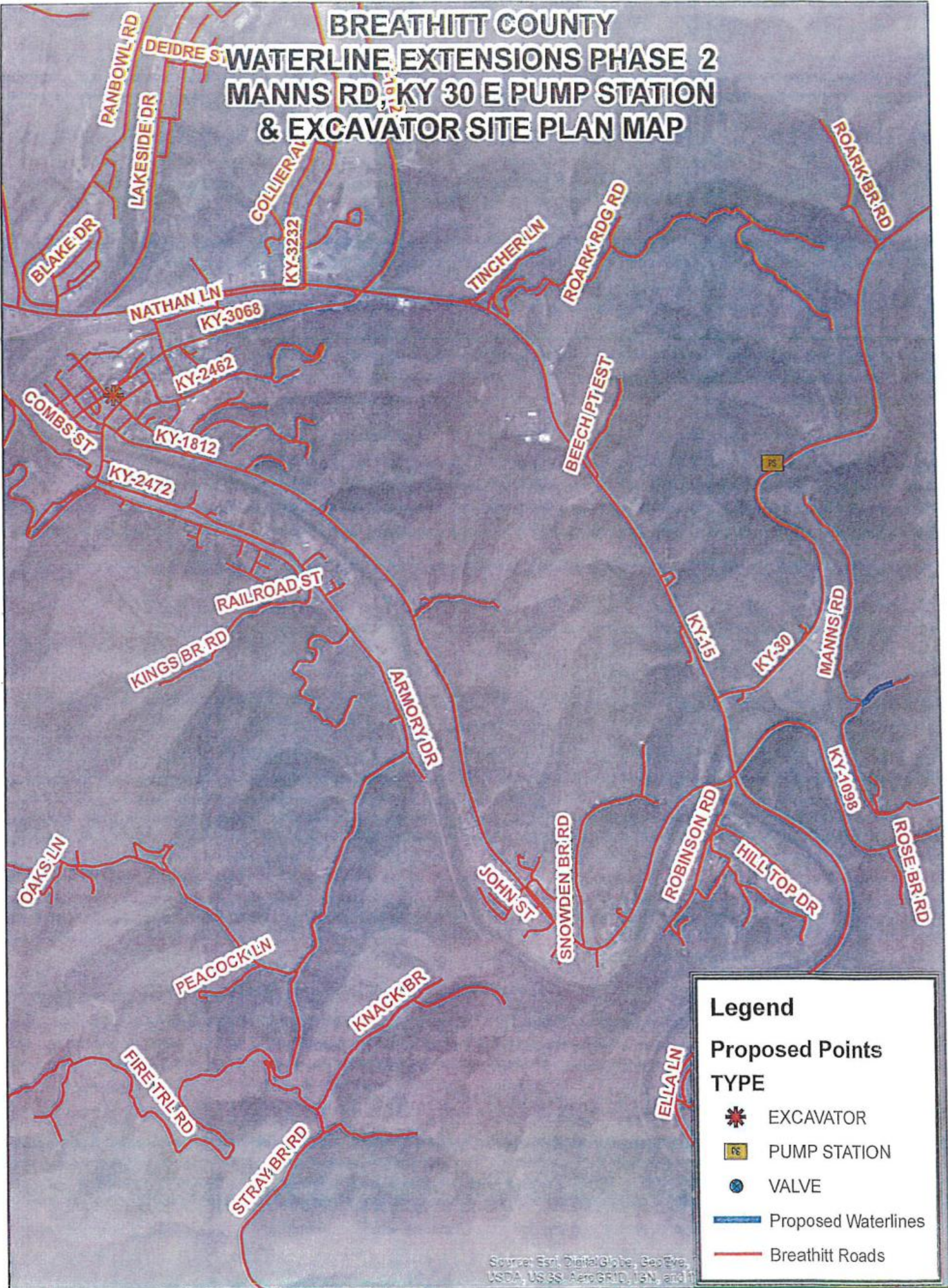
#### WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

Scanned  
USDA







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR SITE PLAN MAP



**Legend**

**Proposed Points**

**TYPE**

-  EXCAVATOR
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and the







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR LOCATION MAP



**Legend**

**Proposed Points**

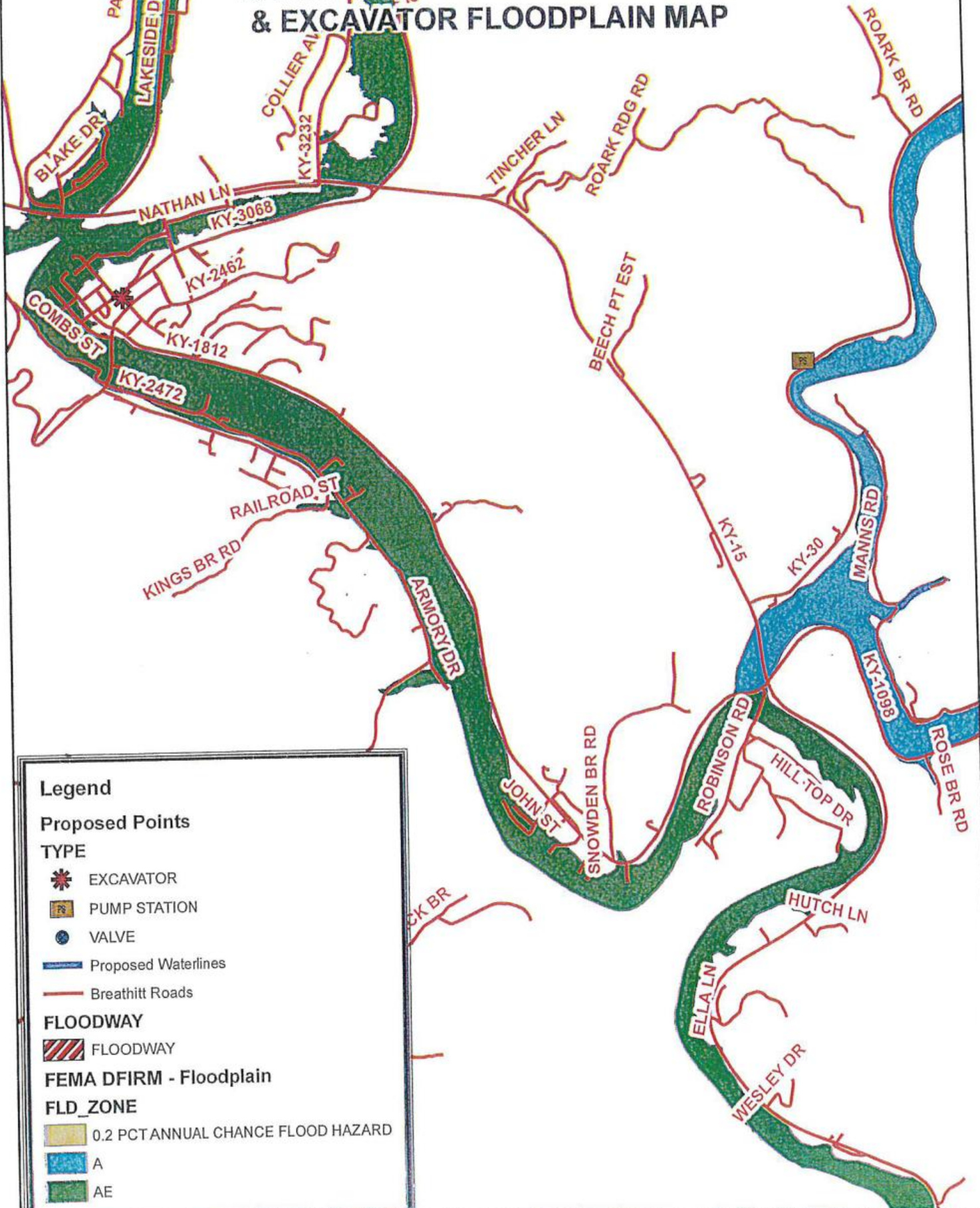
**TYPE**

-  EXCAVATOR
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

SCALE 1"=2,000'  
OR 1:24,000






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR FLOODPLAIN MAP





**Legend**

**Proposed Points**


**TYPE**

-  EXCAVATOR
-  PUMP STATION
-  VALVE

 Proposed Waterlines




 Breathitt Roads

**FLOODWAY**

-  FLOODWAY

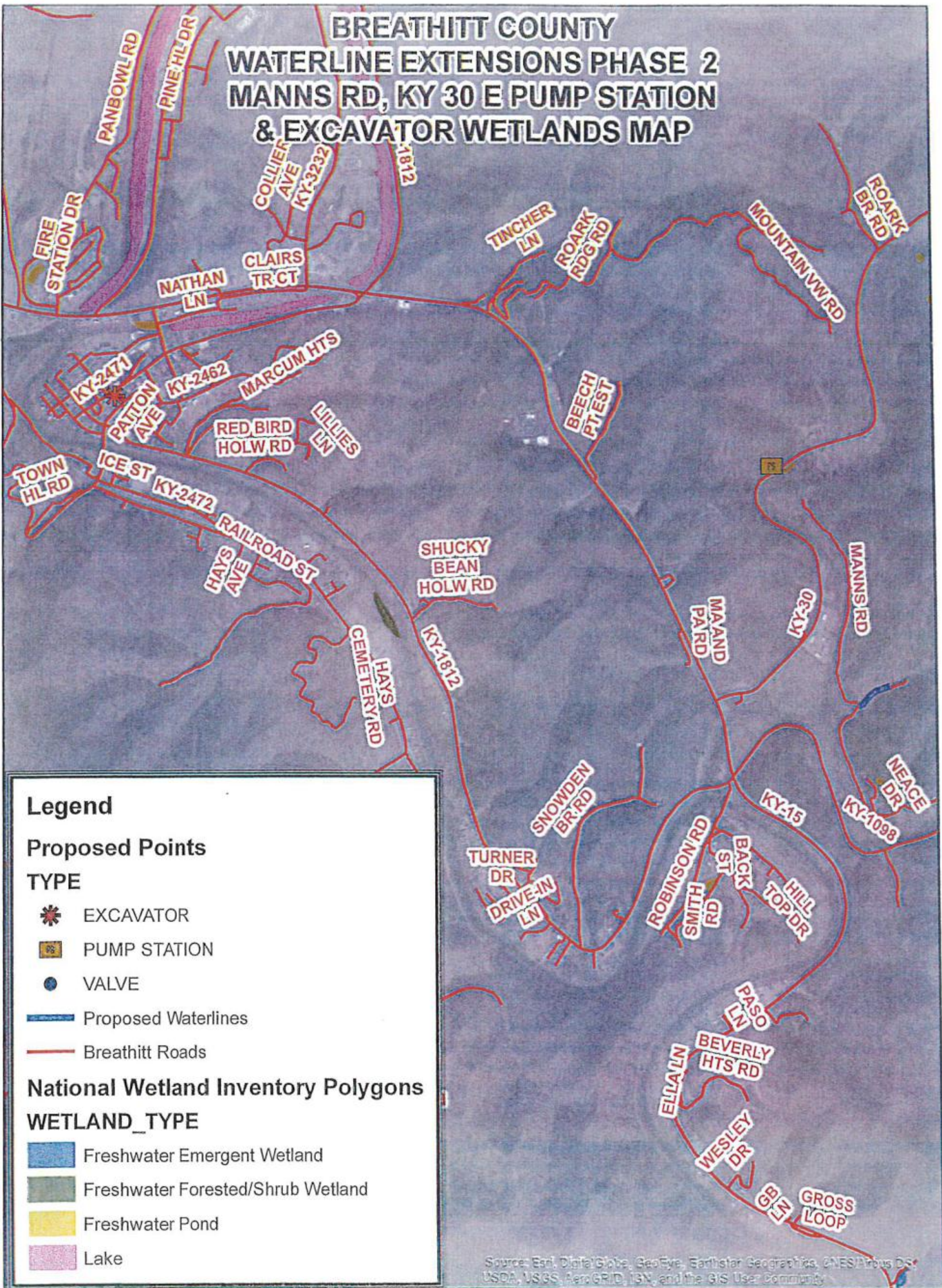
**FEMA DFIRM - Floodplain**

**FLD\_ZONE**

-  0.2 PCT ANNUAL CHANCE FLOOD HAZARD
-  A
-  AE



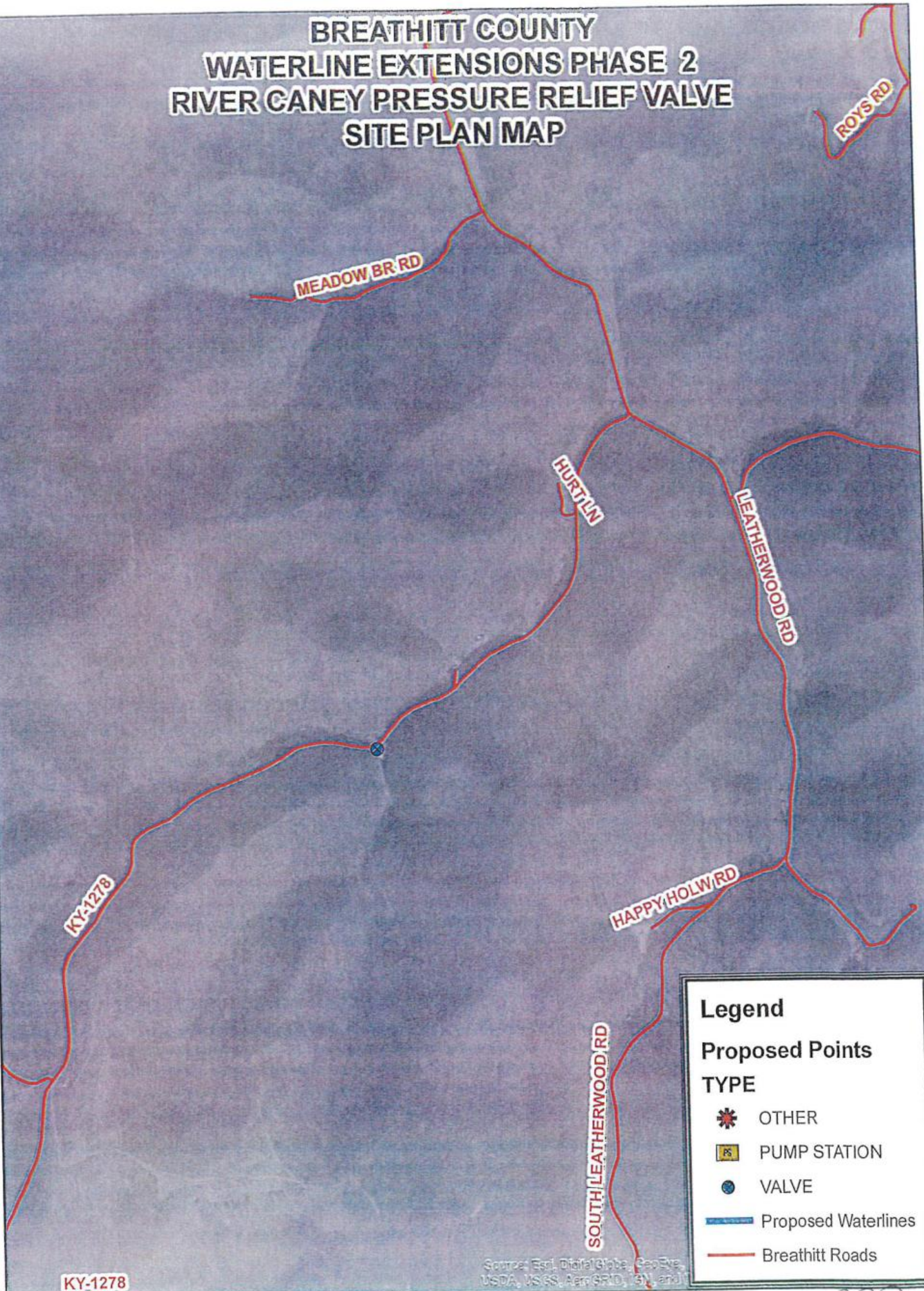
# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR WETLANDS MAP



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE SITE PLAN MAP



**Legend**

**Proposed Points**

**TYPE**

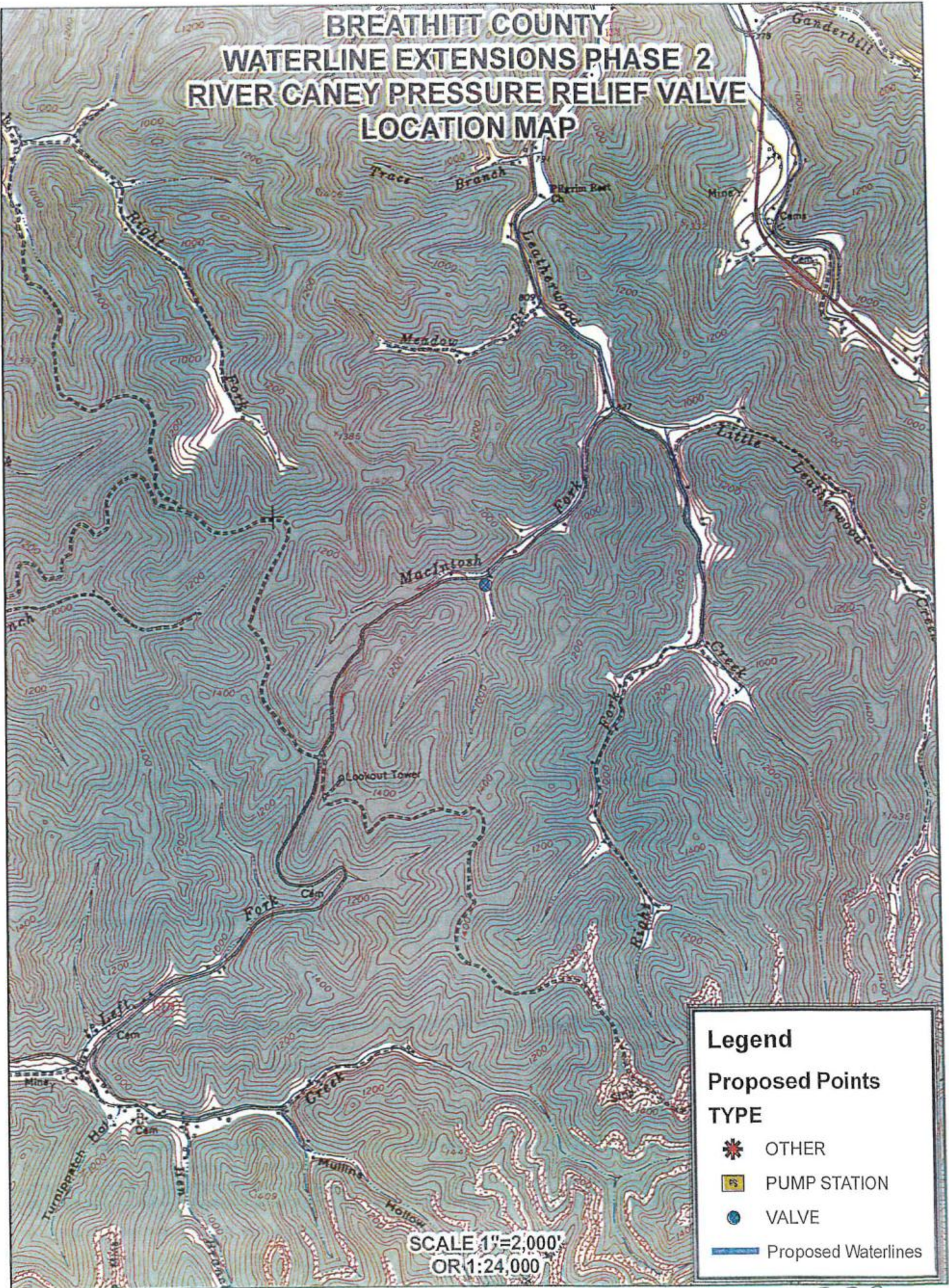
- OTHER
- PUMP STATION
- VALVE
- Proposed Waterlines
- Breathitt Roads

KY-1278

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and...

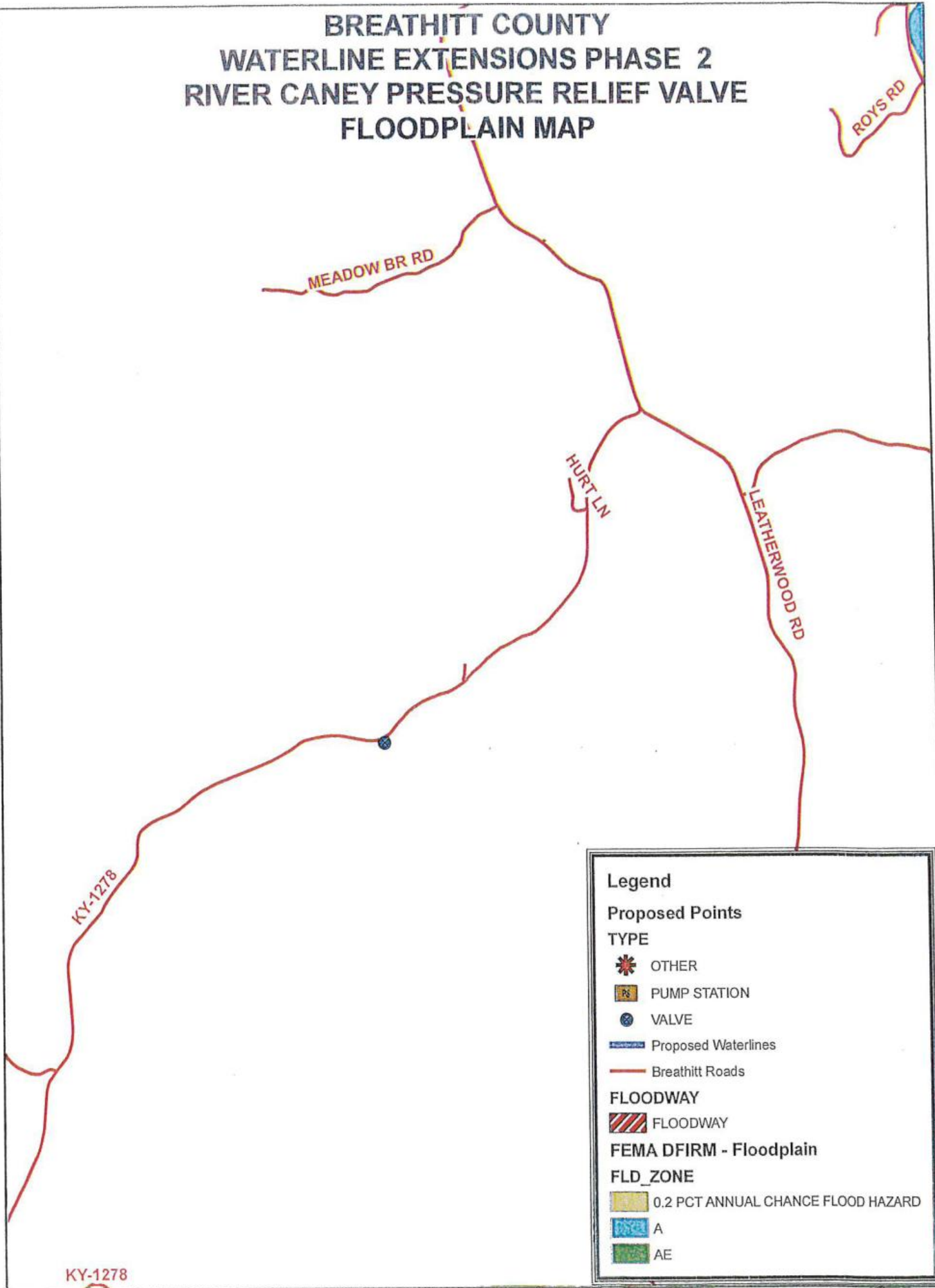


# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE LOCATION MAP





# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE FLOODPLAIN MAP

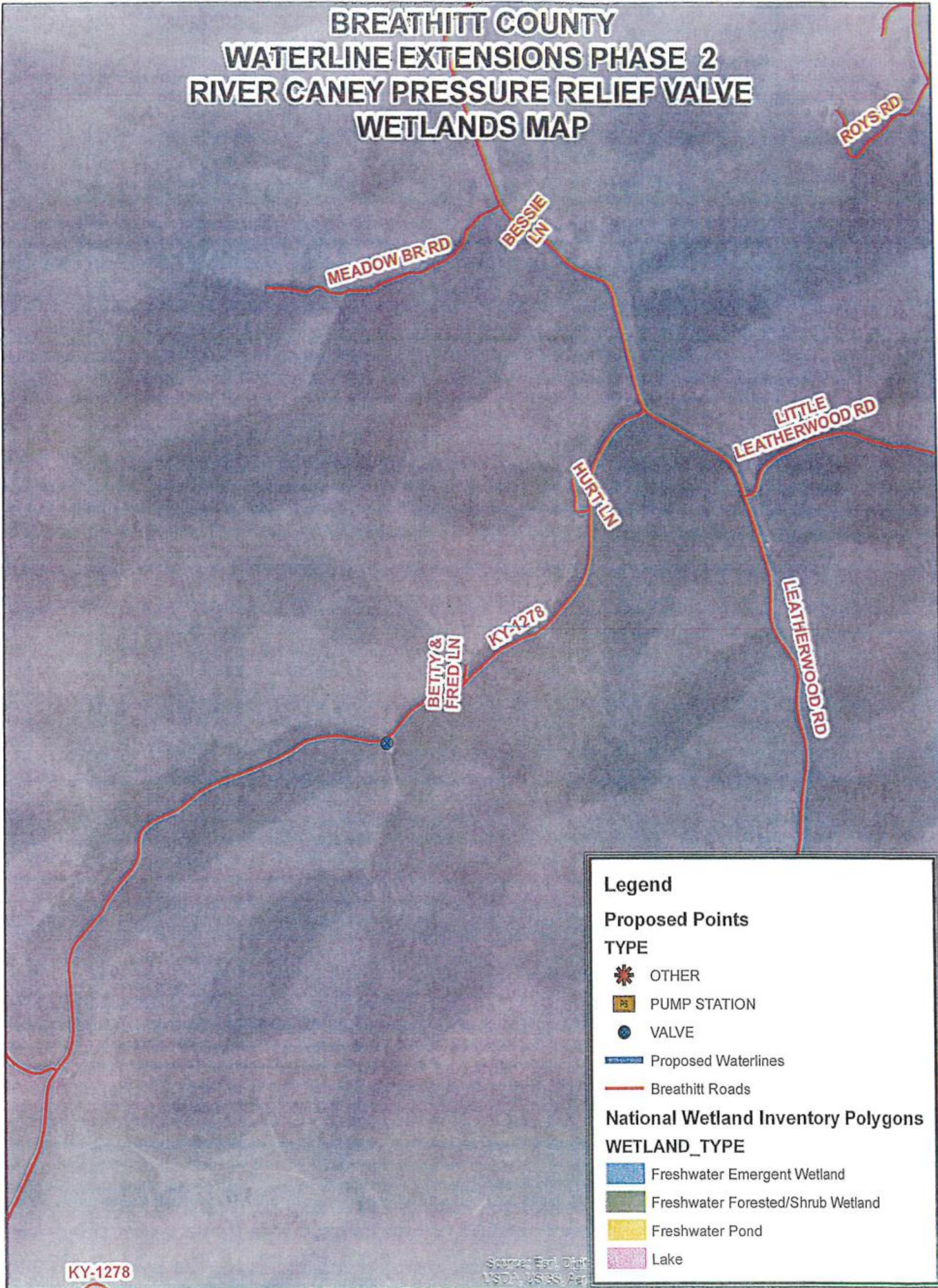


KY-1278

374






# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE WETLANDS MAP





**Legend**

**Proposed Points**

TYPE





-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

**National Wetland Inventory Polygons**

WETLAND\_TYPE

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

KY-1278

Source: Esri, Digital  
USDA, USGS, Aer

380



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD SITE PLAN MAP

ROSE BND RD

WAR CRK RD

LUCAS DR

CEDAR BND RD






KY-541

EARL JOHNSON RD

**Legend**

**Proposed Points**

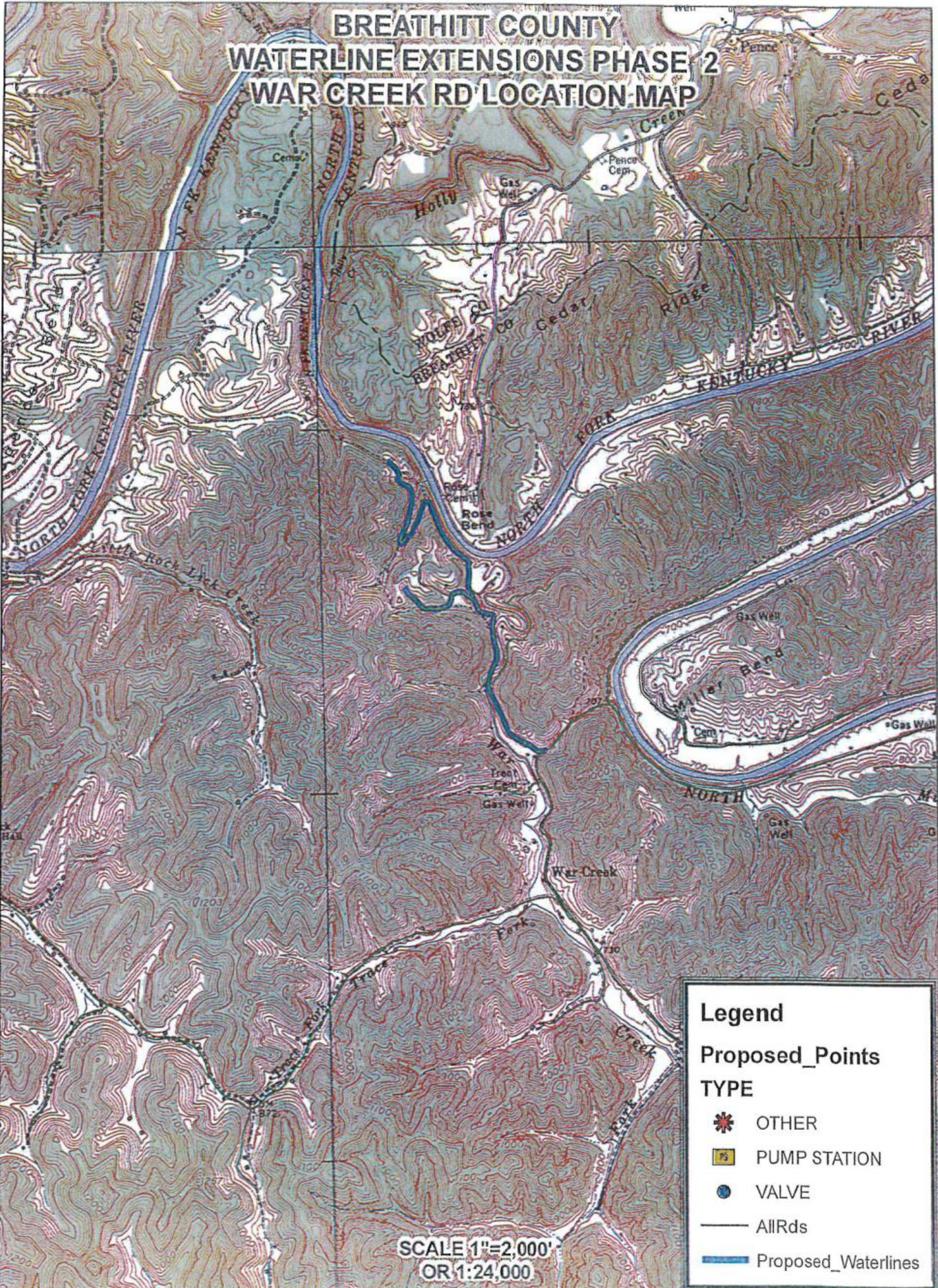
**TYPE**

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and the








# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD LOCATION MAP



**Legend**

**Proposed\_Points**

**TYPE**

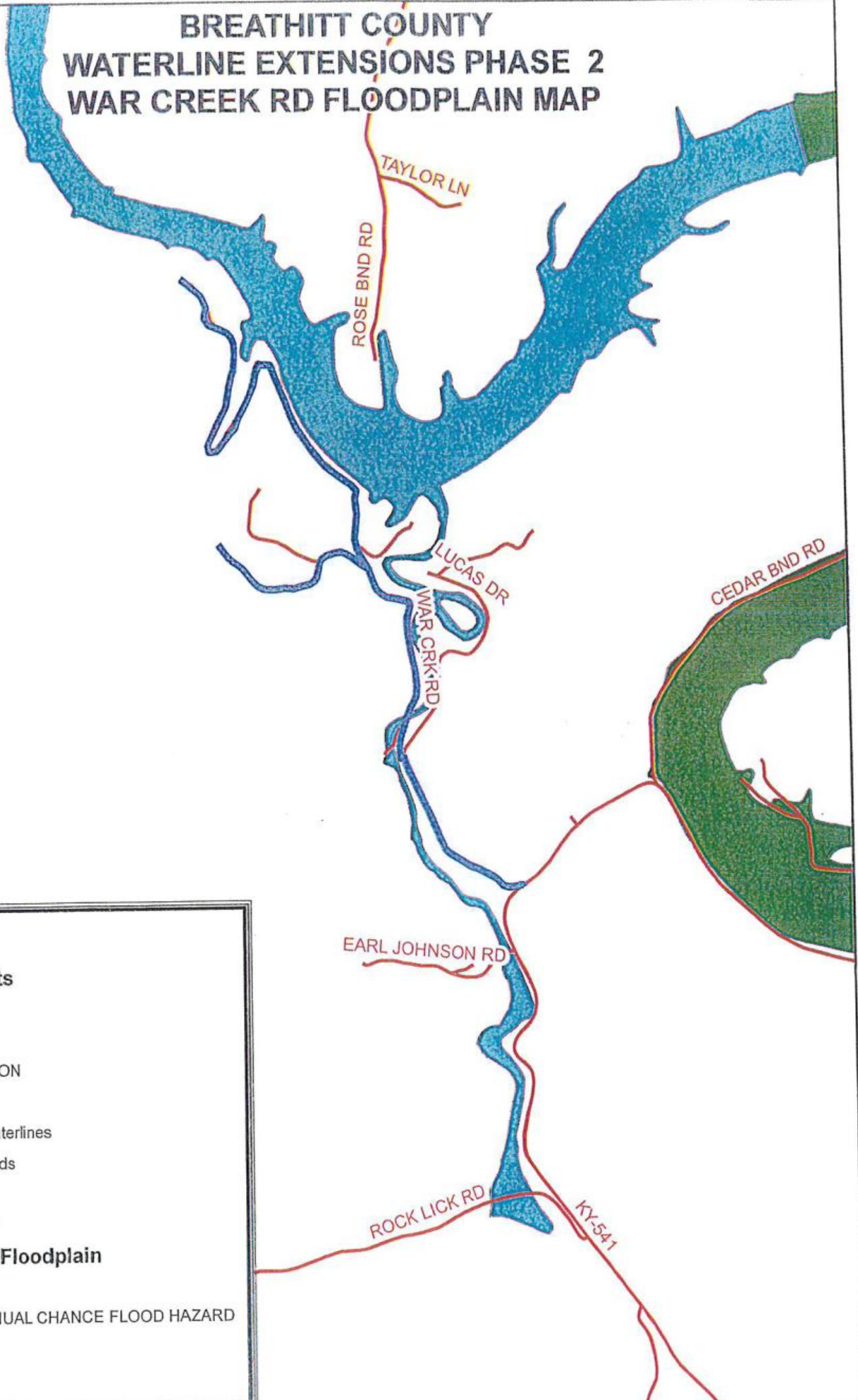
-  OTHER
-  PUMP STATION
-  VALVE
-  AIRds
-  Proposed\_Waterlines

SCALE 1"=2,000'  
OR 1:24,000

882



# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD FLOODPLAIN MAP



## Legend

### Proposed Points

#### TYPE




-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads

### FLOODWAY

-  FLOODWAY

### FEMA DFIRM - Floodplain

#### FLD\_ZONE

-  0.2 PCT ANNUAL CHANCE FLOOD HAZARD
-  A
-  AE







# BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD WETLANDS MAP


**Legend**

**Proposed Points**

**TYPE**





-  OTHER
-  PUMP STATION
-  VALVE

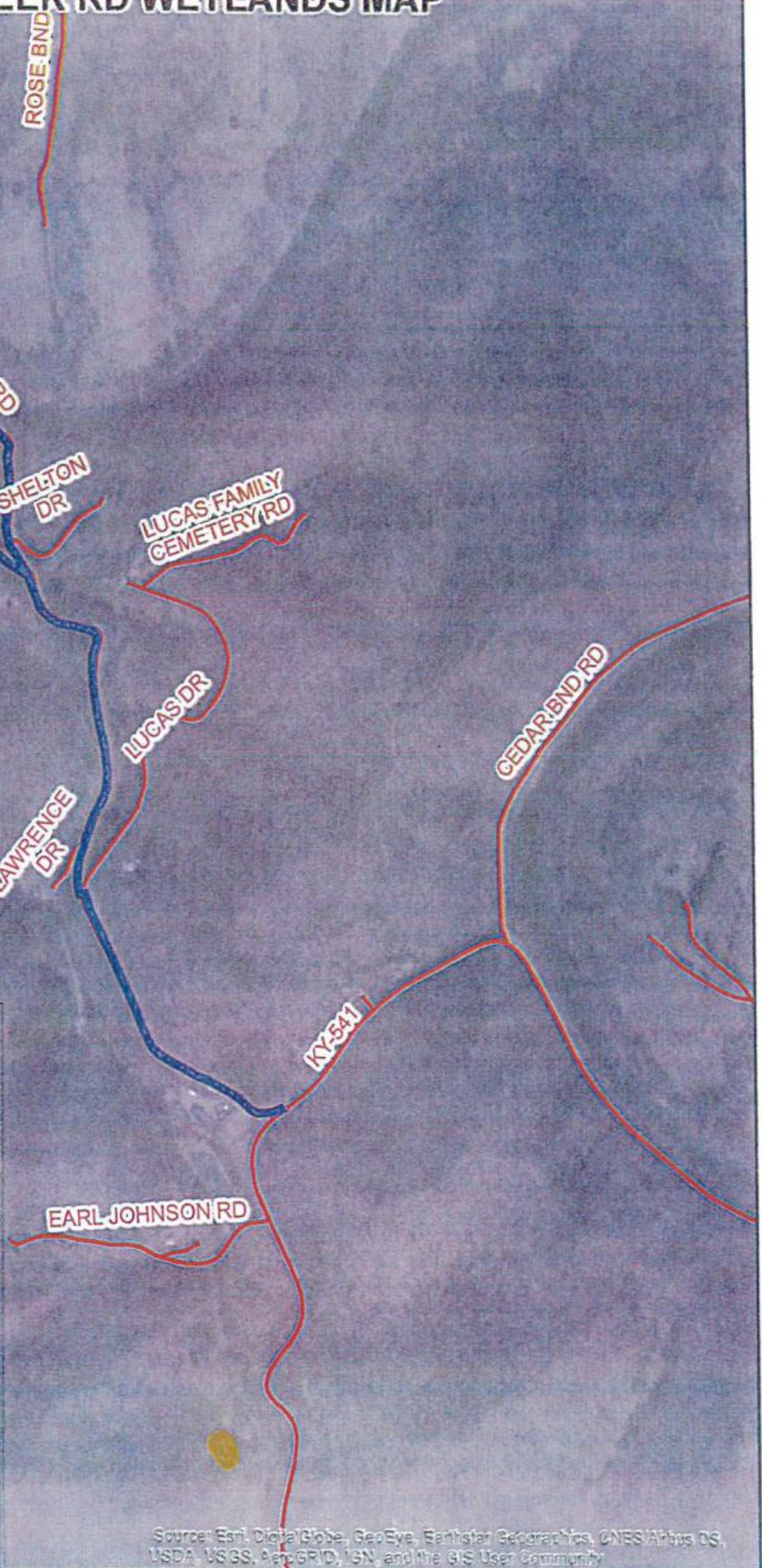
 Proposed Waterlines

 Breathitt Roads

**National Wetland Inventory Polygons**

**WETLAND\_TYPE**

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community