



ANDY BESHEAR
GOVERNOR

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

REBECCA W. GOODMAN
SECRETARY

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.

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.

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.

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.

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.

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 or Kurtis Spears, Groundwater Section, (502) 782-7119, 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.

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.

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

12/2

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.

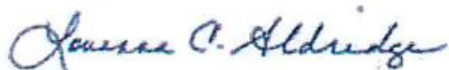
The Division also suggests an investigation into compliance with applicable local government regulations.

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) 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.

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 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

Standard Occurrence Report

KNP monitored species within 1 Miles of Project Area

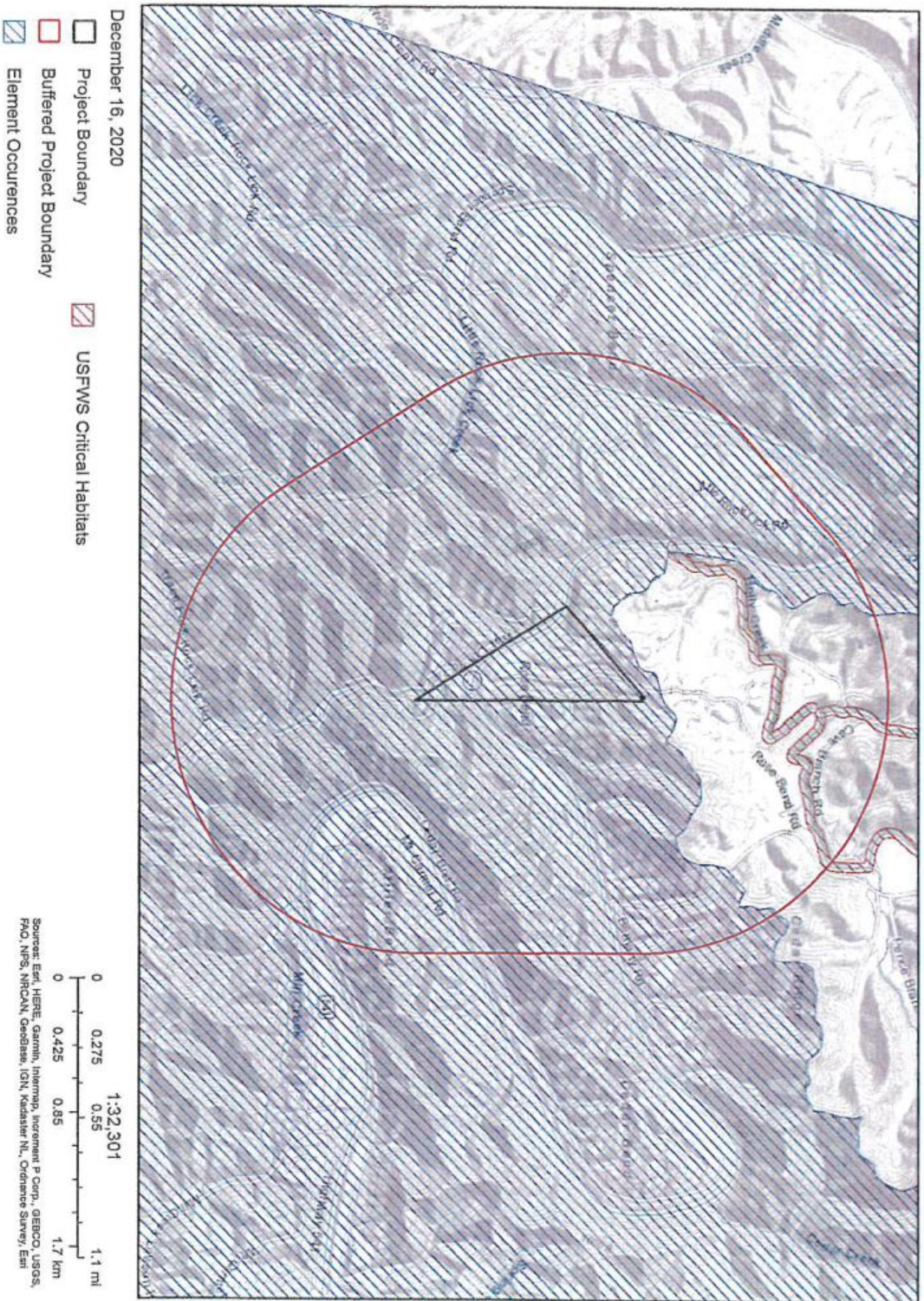
Field	Scientific Name	Common Name	Stream	Stream	SPROJ	USEF	SYNVS	LEADOFF	PERMISSION	EO	LOI	Directions
389	<i>Fusconia subtrunda</i>	Longsold	G3	S3	S	Y	1997-08-28	S		D	37.6108 / -83.49	NORTH FORK KENTUCKY RIVER AT WAR CREEK
												Gravel bars and deep pools in large rivers and large to medium-sized streams. (Ablesdt, 1984, Goodrich and Van Der Schalle, 1944, Neel and Allen, 1964, Pamallee, 1967).
3033	<i>Myotis humeralis</i>	Evening Bat	G5	S4	N	Y	1990-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.

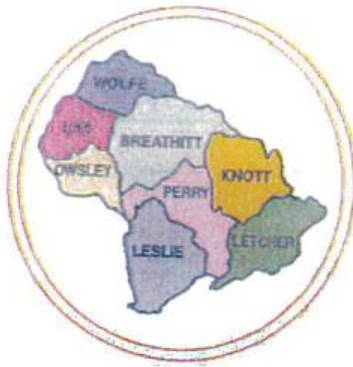
Critical Habitats within 1 Miles of Project Area

Habitat	Species	USFWS	USFWS
SUMMER 1	<i>M. septentrionalis</i>	Contact USFWS 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.

Breathitt Waterline Extensions Phase 2





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.
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 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 - Vicco
Donald "Happy" Moberlin - 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
Dafe 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.

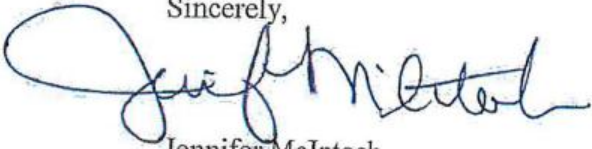
The Kentucky River Area Development District has been asked to undertake a NEPA environmental review of this project to ascertain the impact of the proposed activities. Please provide comments from the following Divisions under the Kentucky Department for Environmental Protection jurisdiction:

- 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.

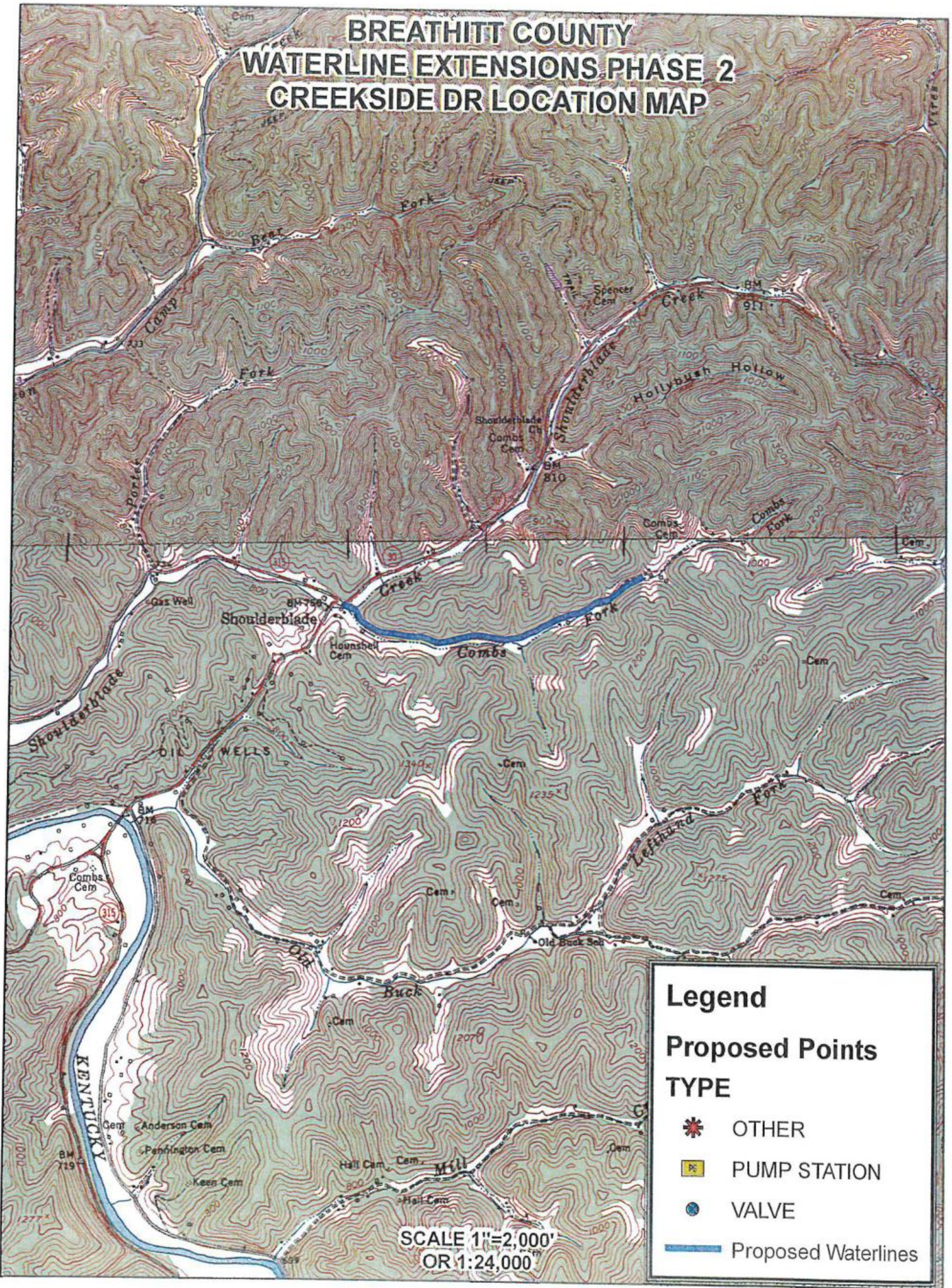
Your comments may address beneficial or adverse impacts or, both. I would appreciate receiving your comments in the near future. I will assume if I have not received a response from you within 30 days of this letter, that your office does not anticipate any negative environmental impacts from this project,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



Legend

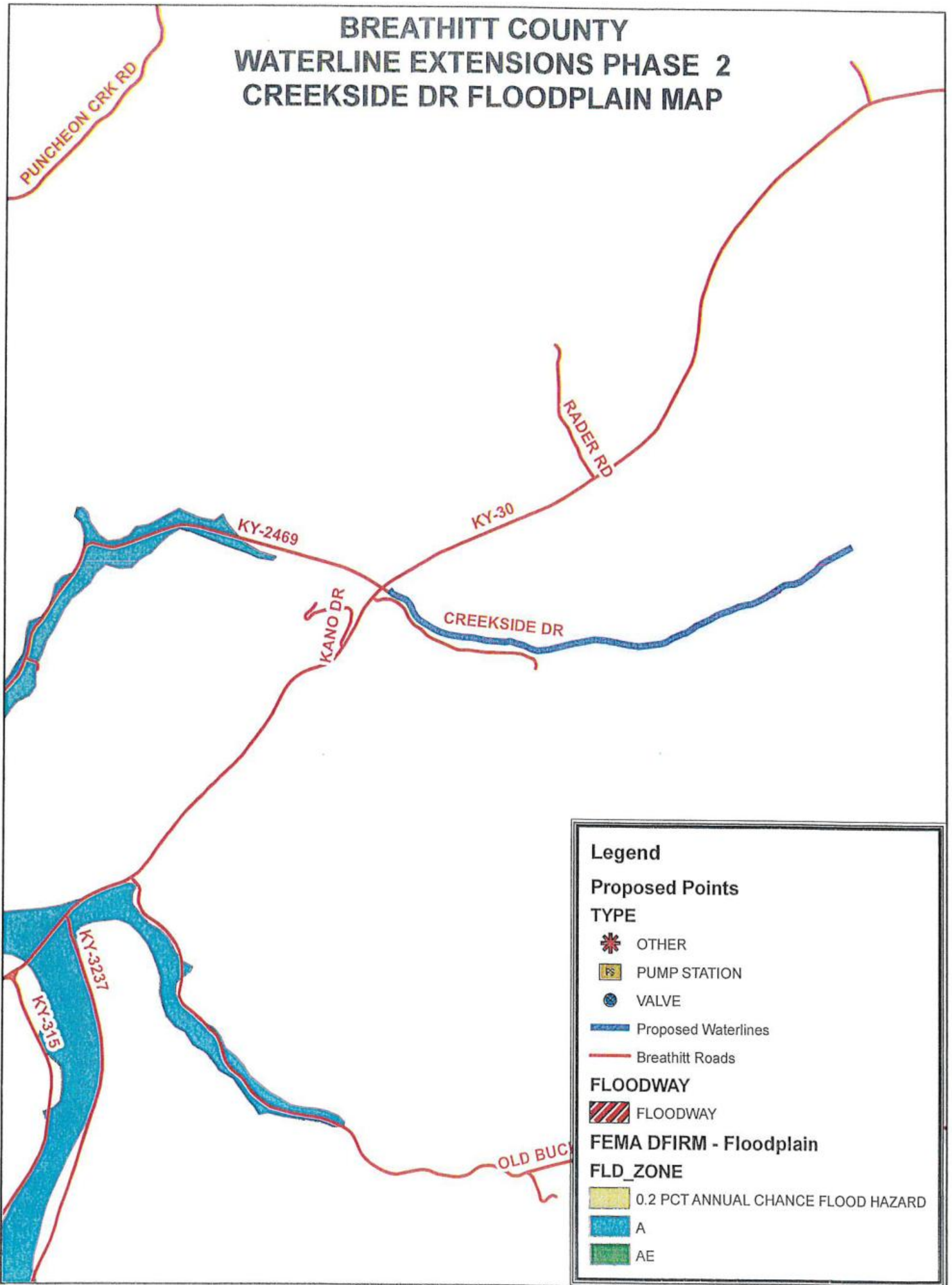
Proposed Points TYPE

-  OTHER
-  PUMP STATION
-  VALVE

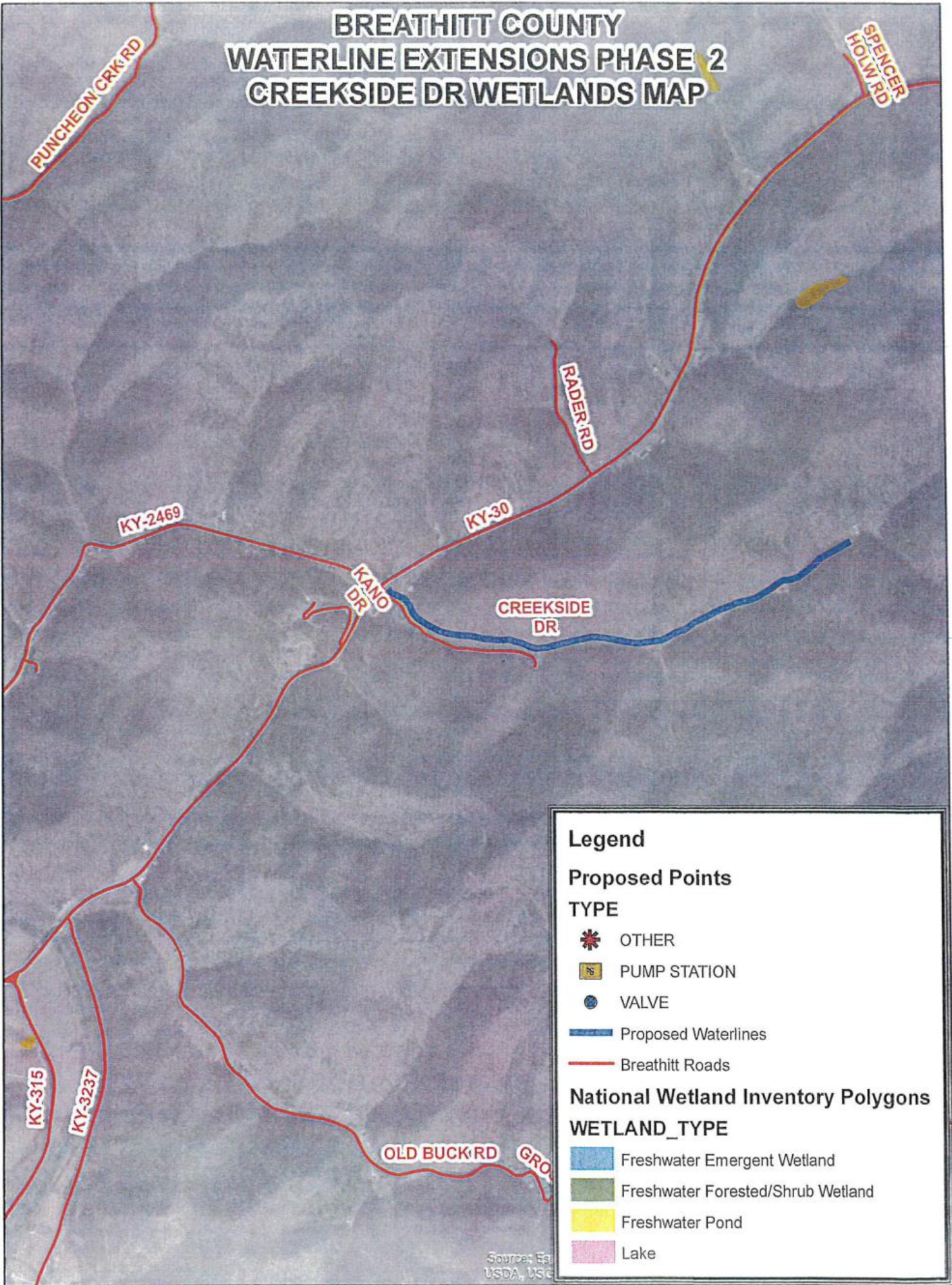
 Proposed Waterlines

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

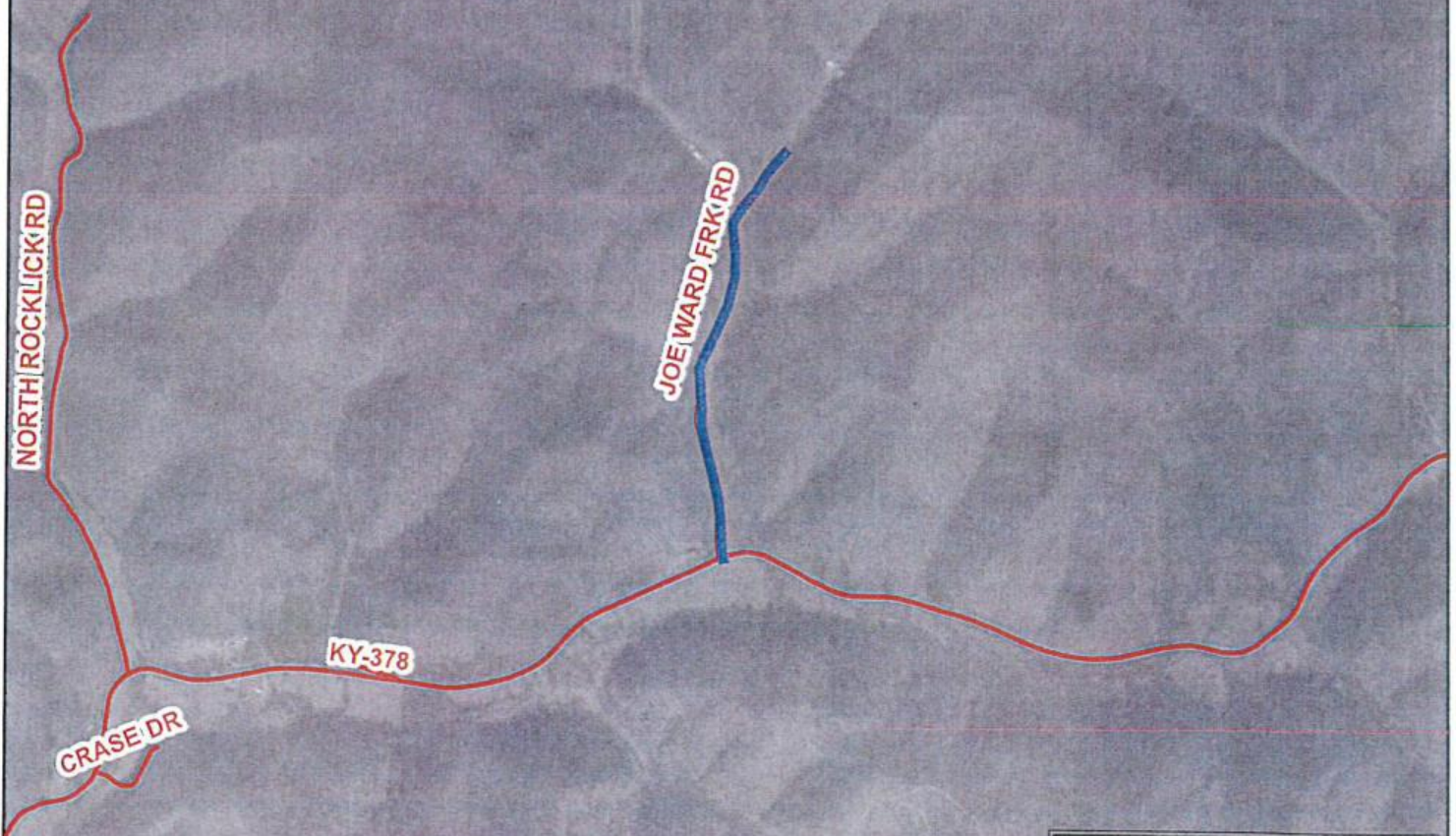
National Wetland Inventory Polygons

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

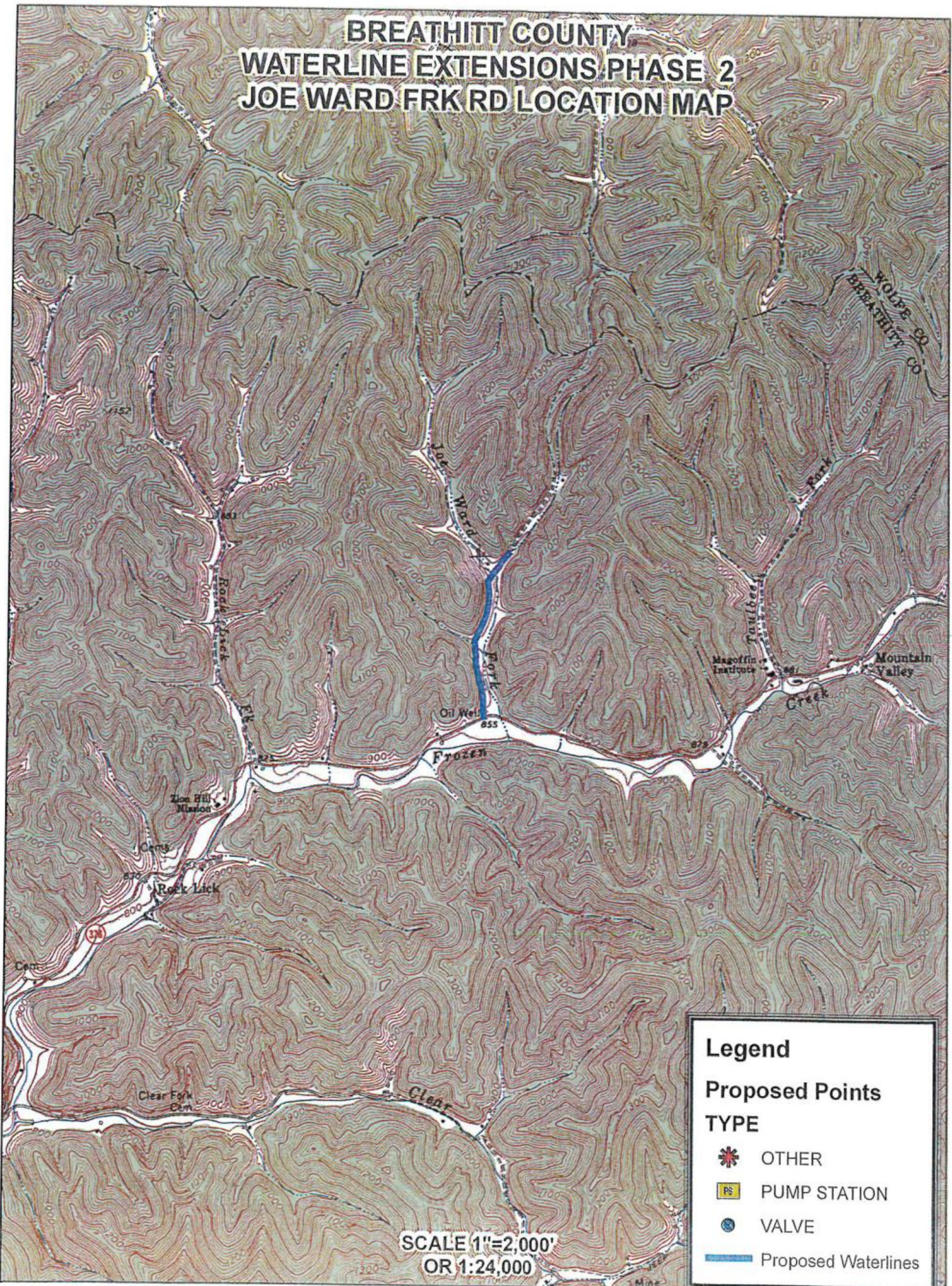
Proposed Points

TYPE

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

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





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



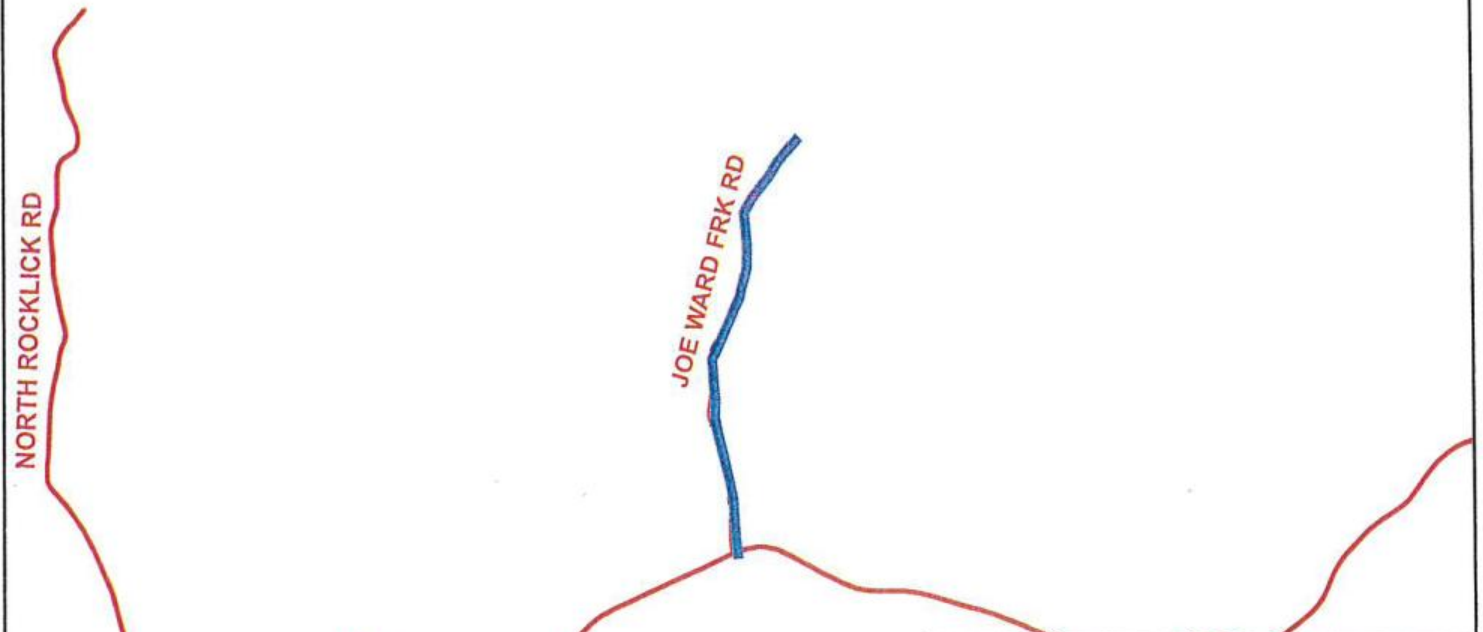
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Proposed Points

TYPE

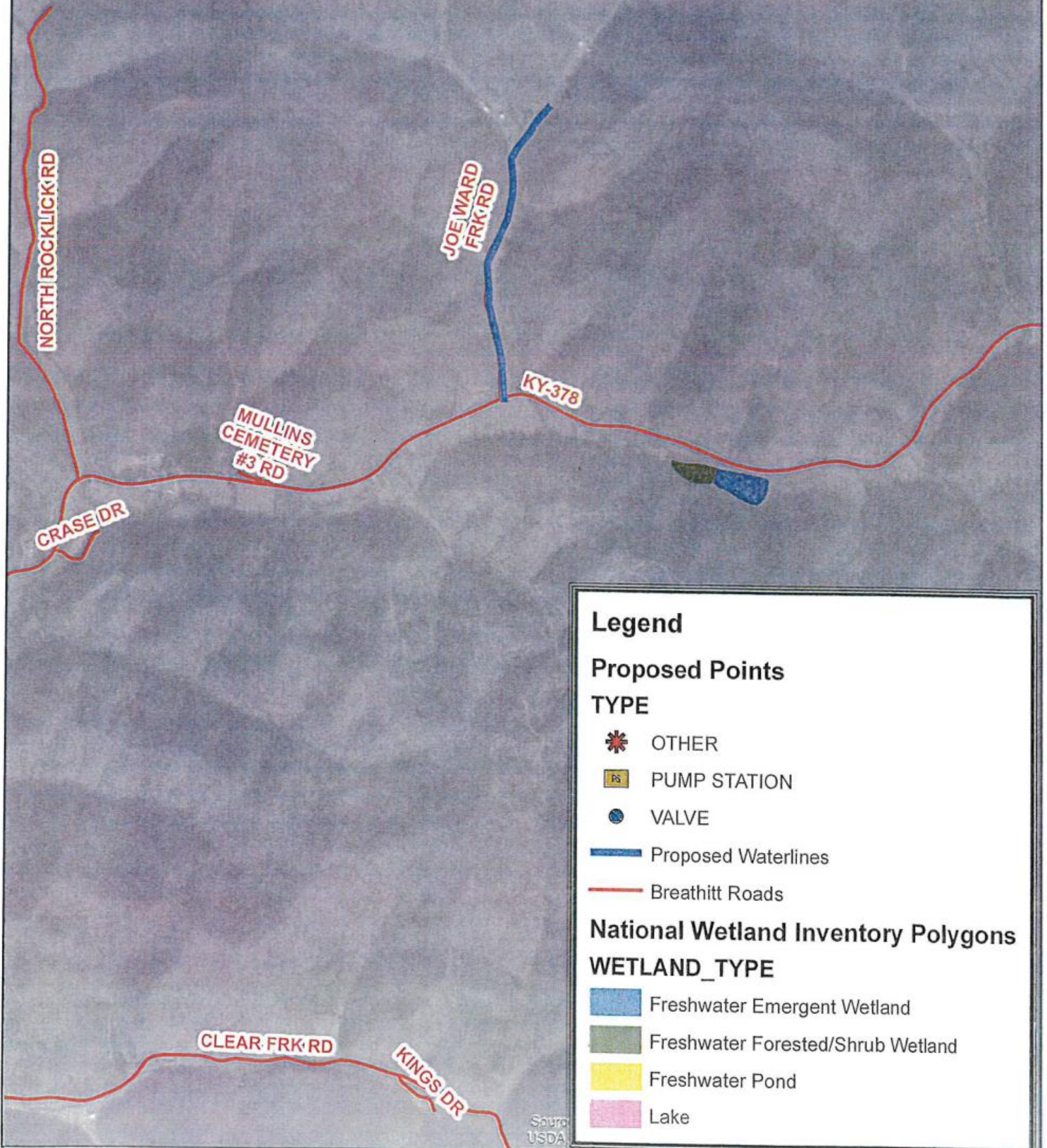
-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

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

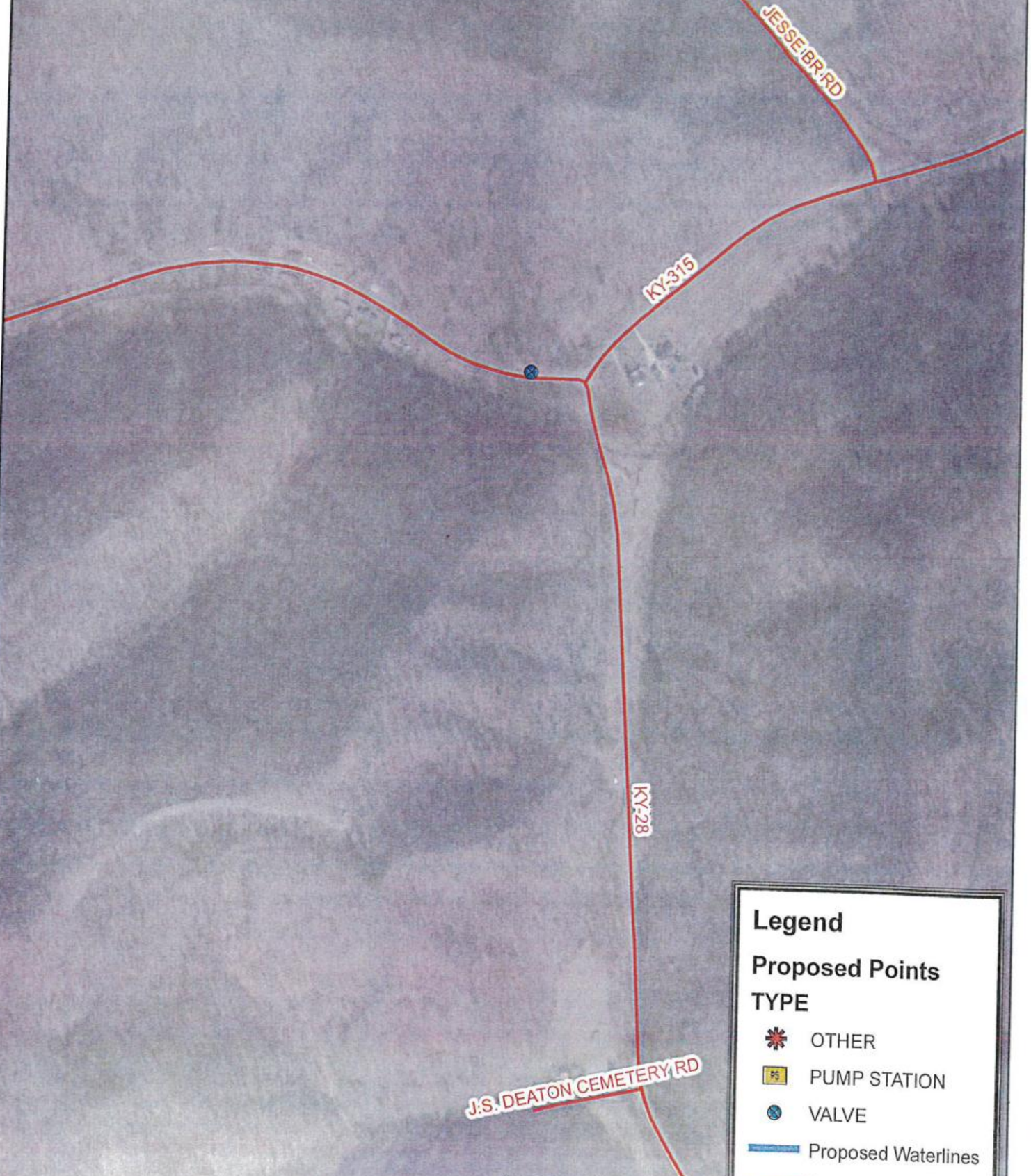
National Wetland Inventory Polygons

WETLAND_TYPE

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

Source
USDA




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





Legend

Proposed Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE

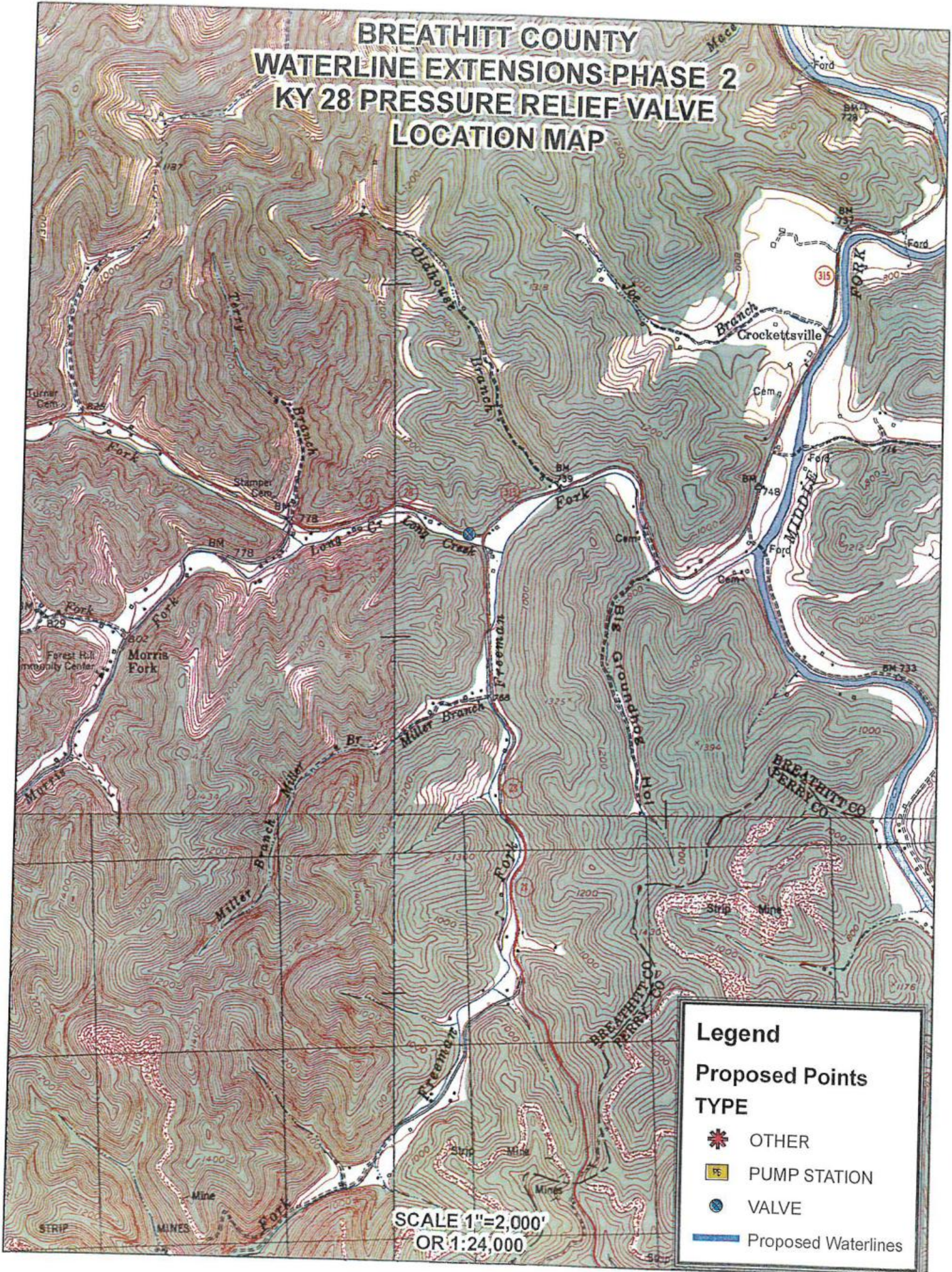
 Proposed Waterlines

 Breathitt Roads

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

193





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



Legend

Proposed Points

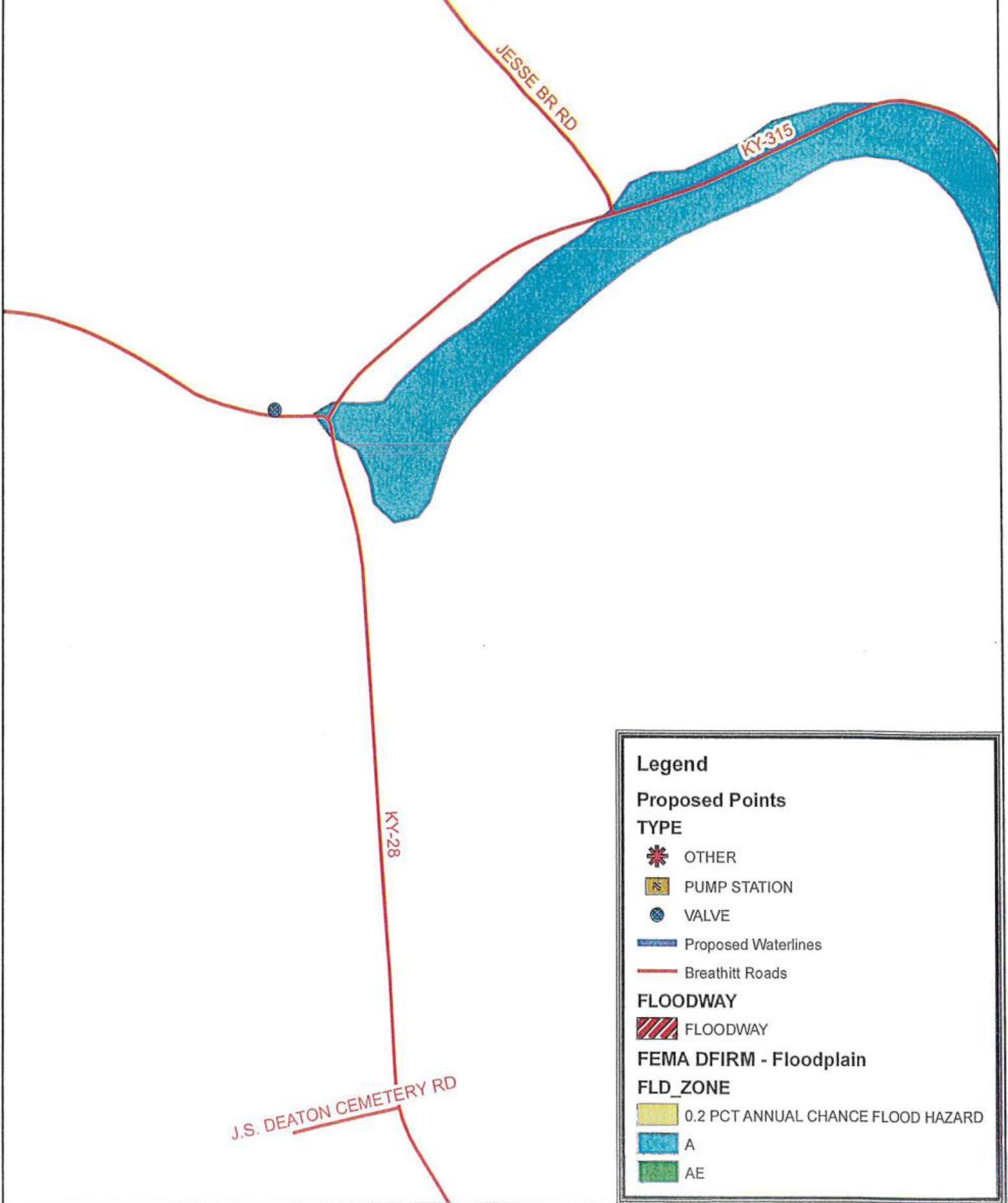
TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

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

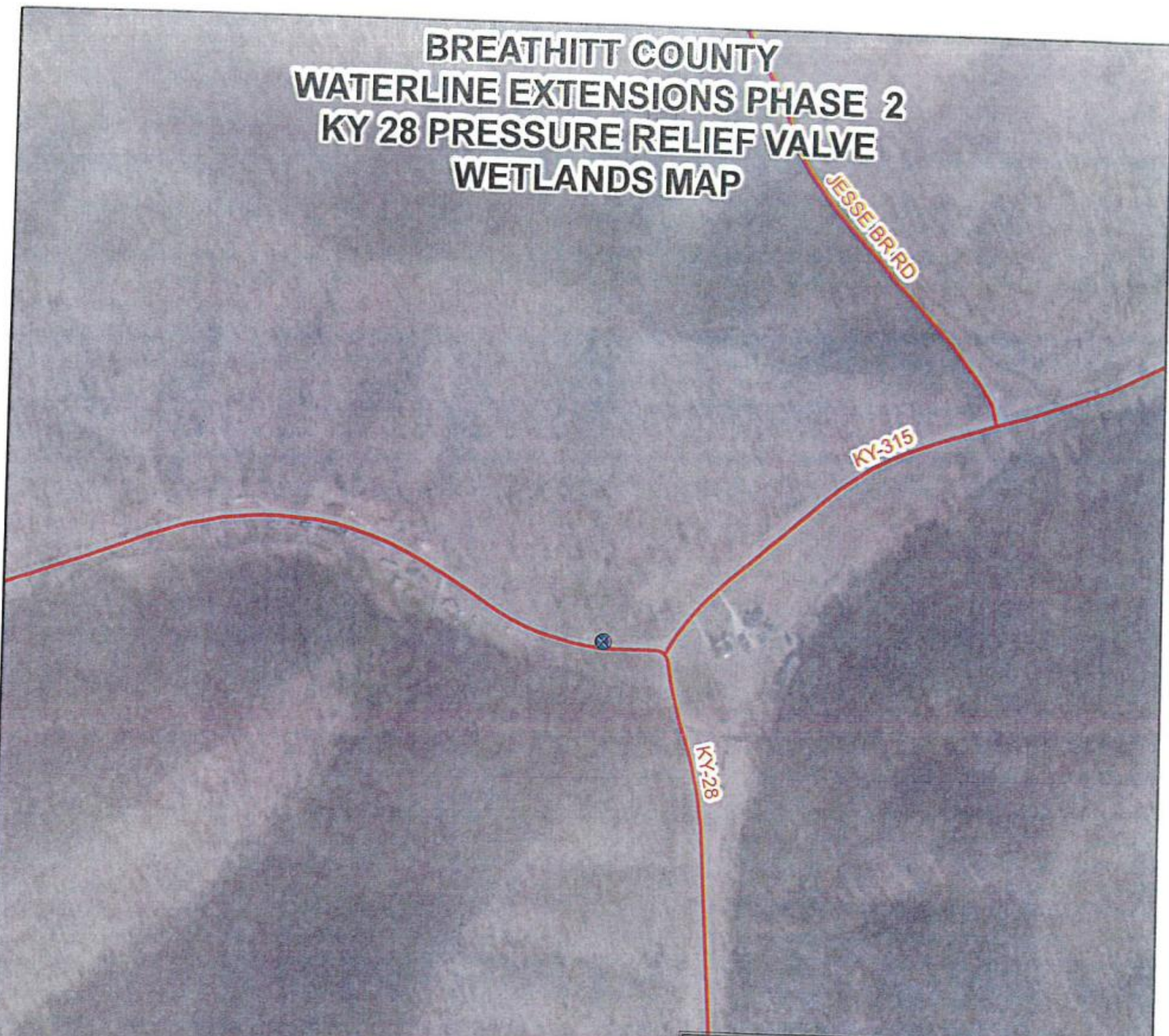
184

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





Legend

Proposed Points

TYPE





-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

National Wetland Inventory Polygons

WETLAND_TYPE

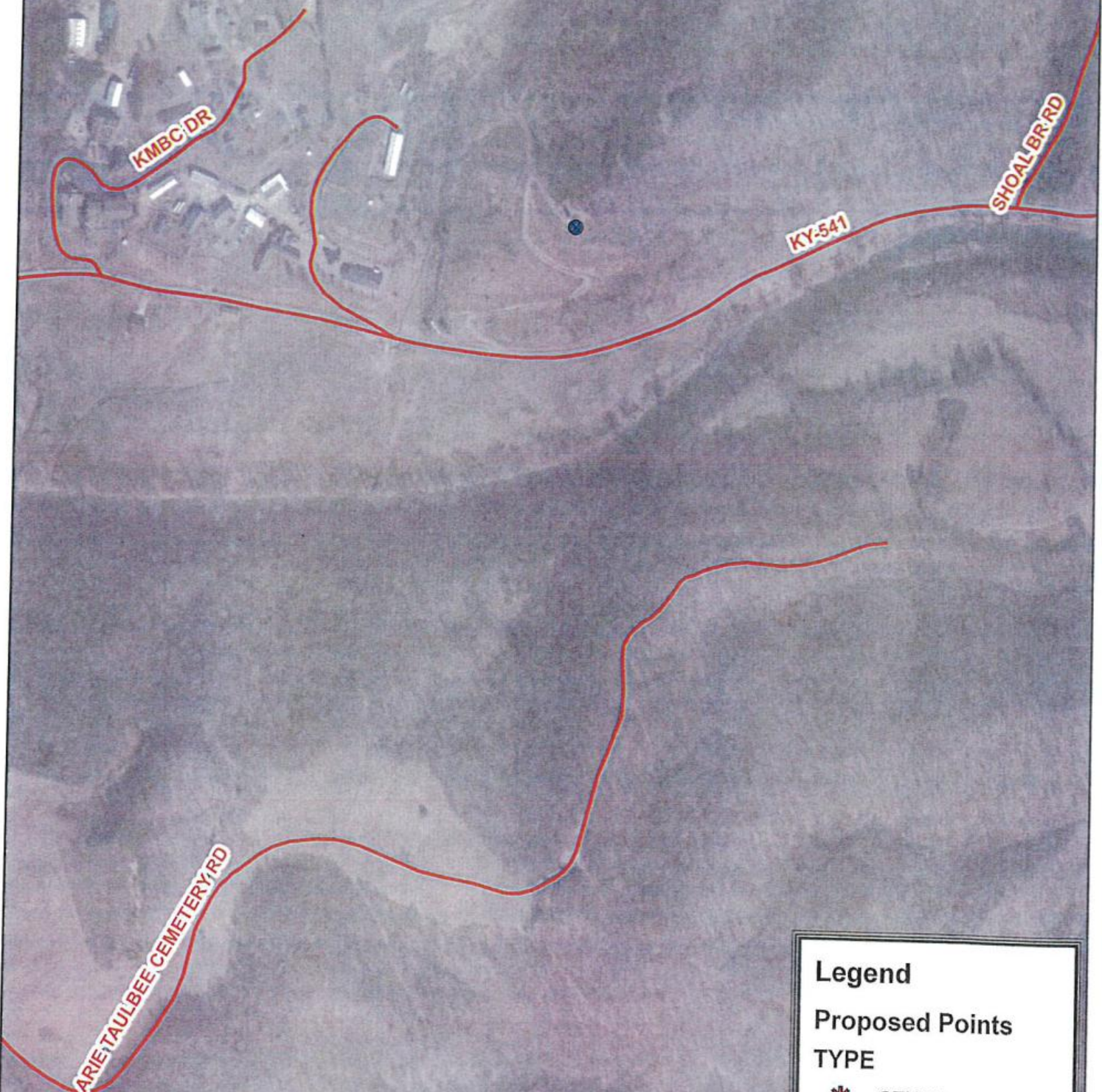
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake

J.S. DEAN
CEMETERY

Source: Esri,
USDA, USGS.

196




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





Legend

Proposed Points

TYPE

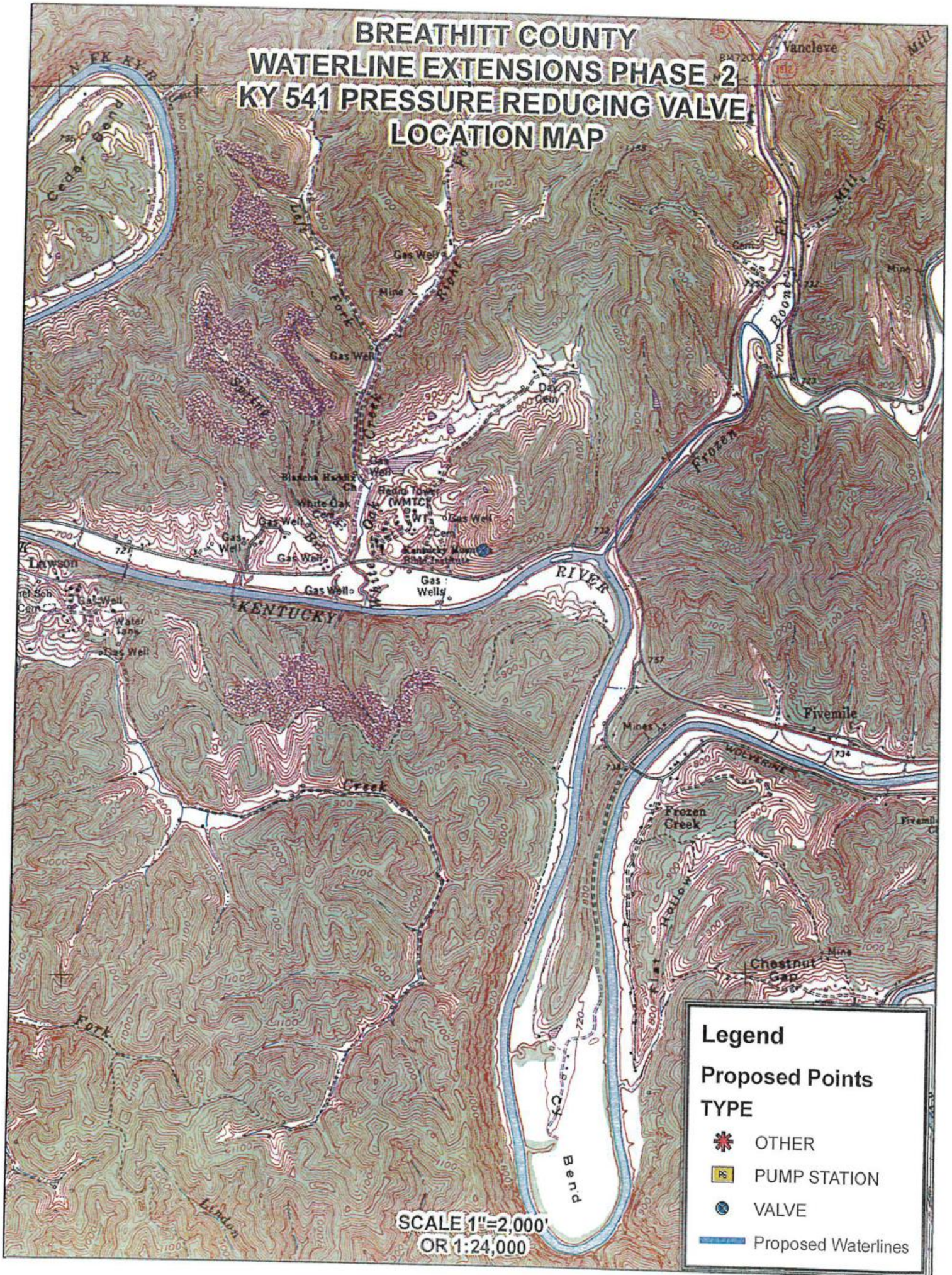
-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

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

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







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

Legend

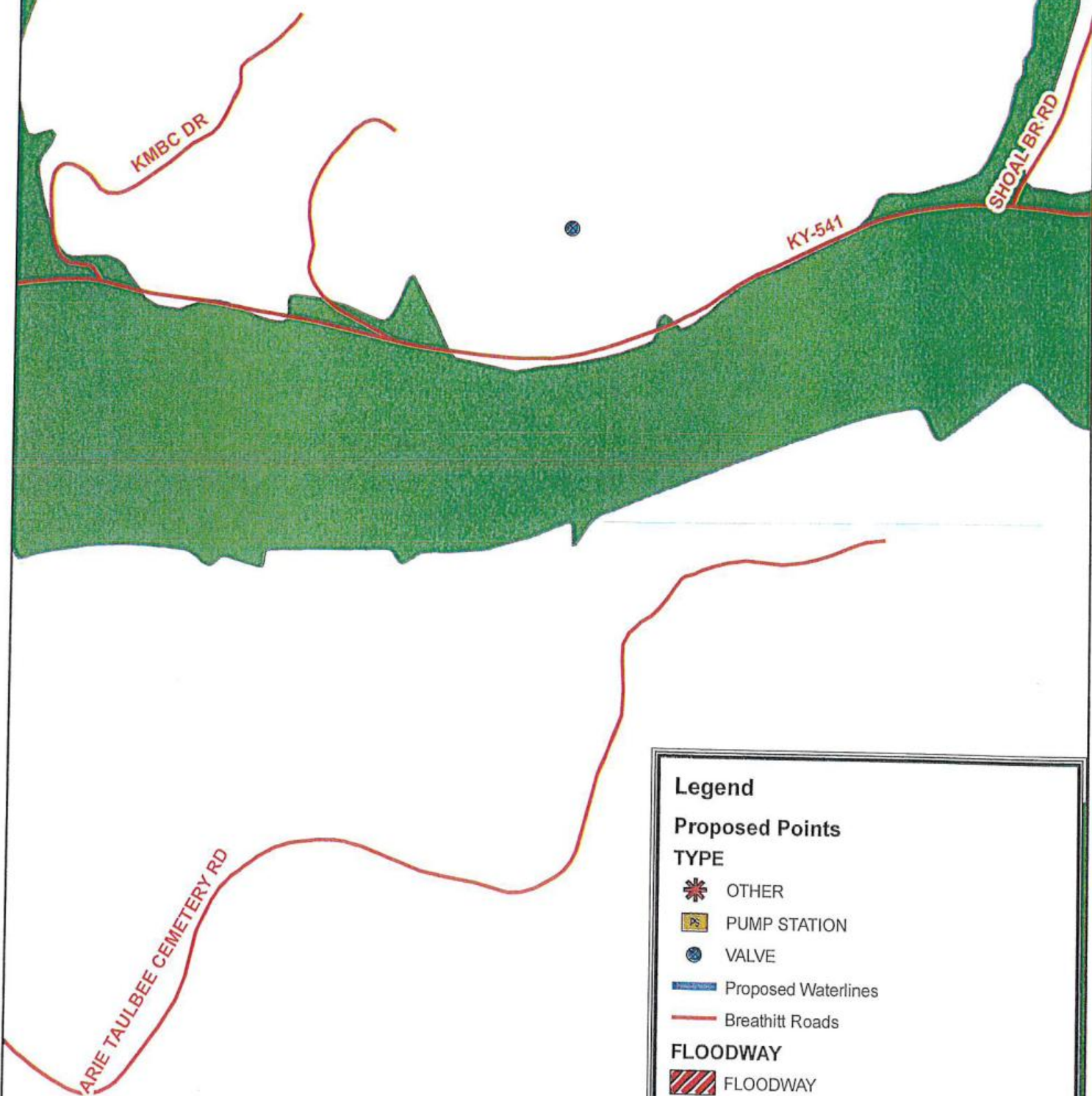
Proposed Points










TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

1A8

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

Proposed Points

TYPE

- OTHER
- PUMP STATION
- VALVE

Proposed Waterlines

Breathitt Roads

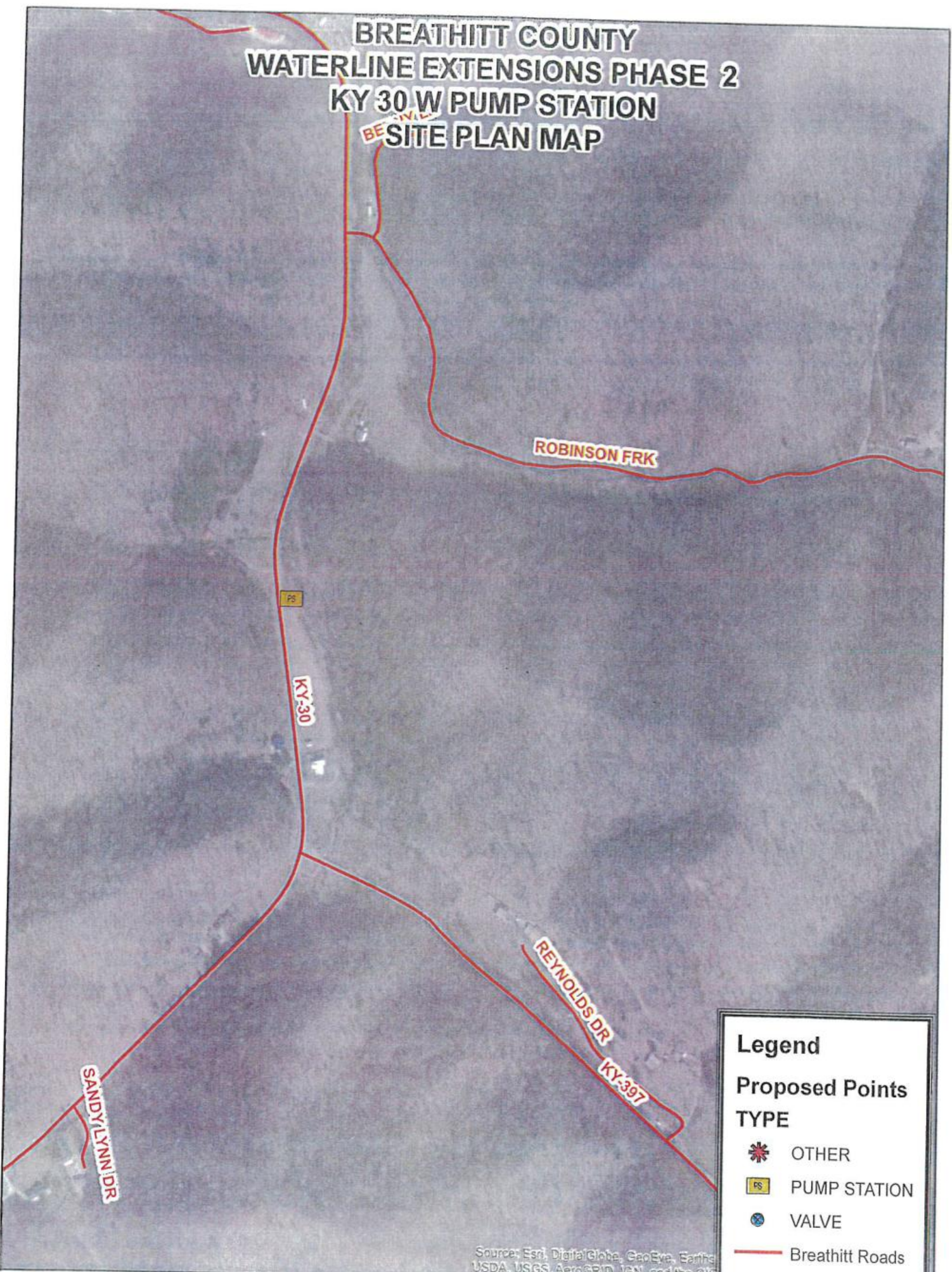
National Wetland Inventory Polygons

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



Legend

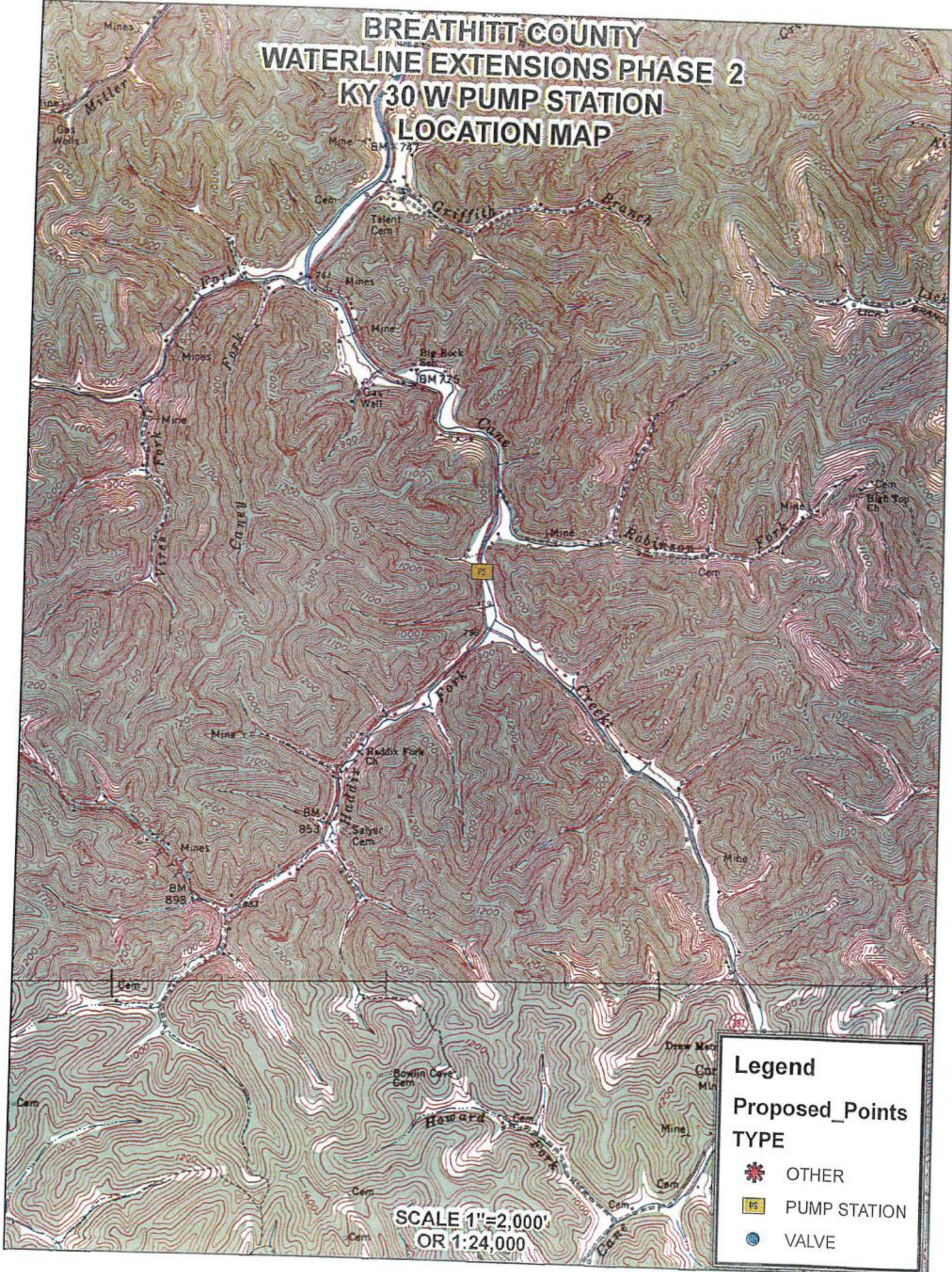
Proposed Points

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

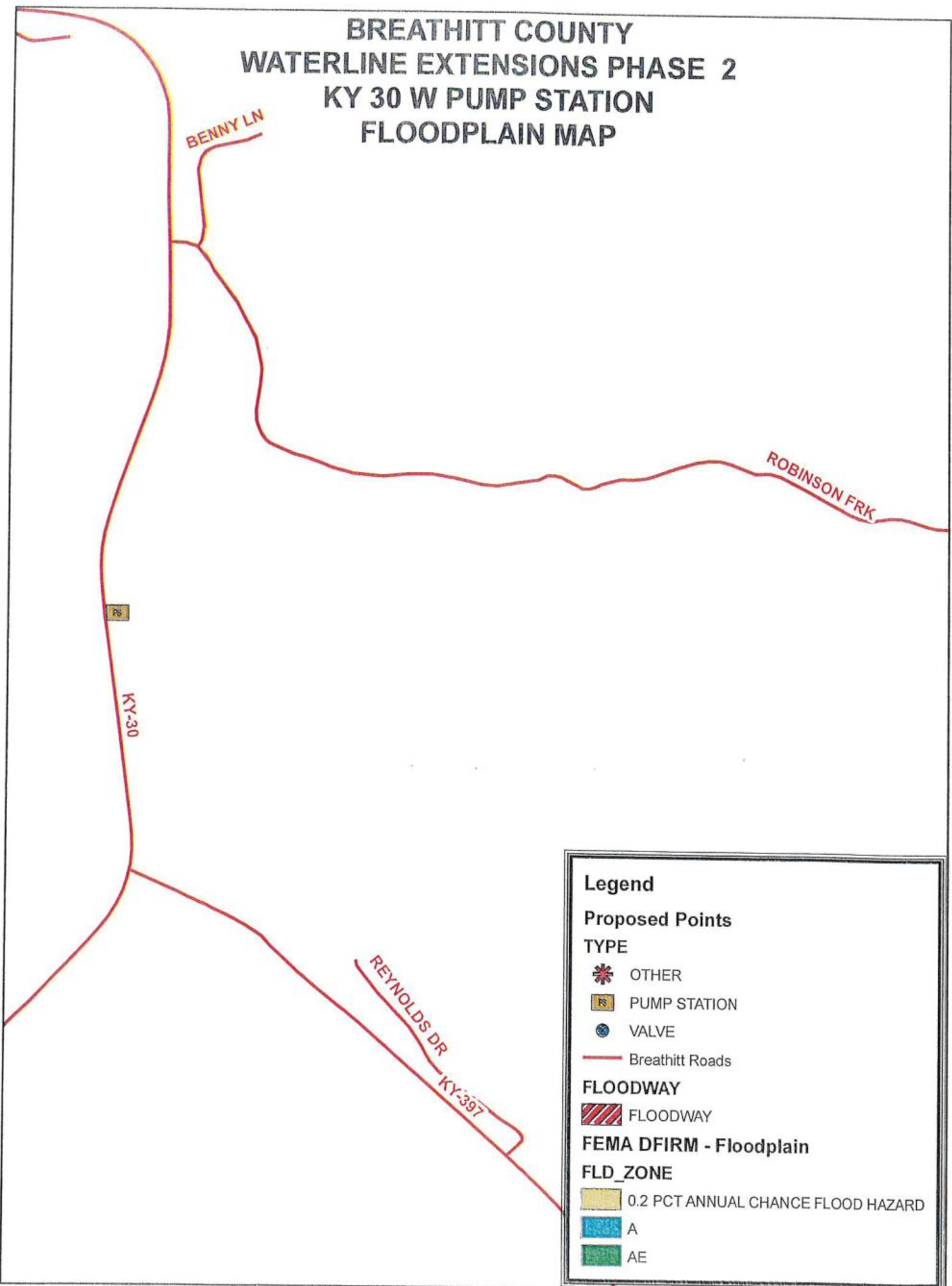
Proposed_Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE

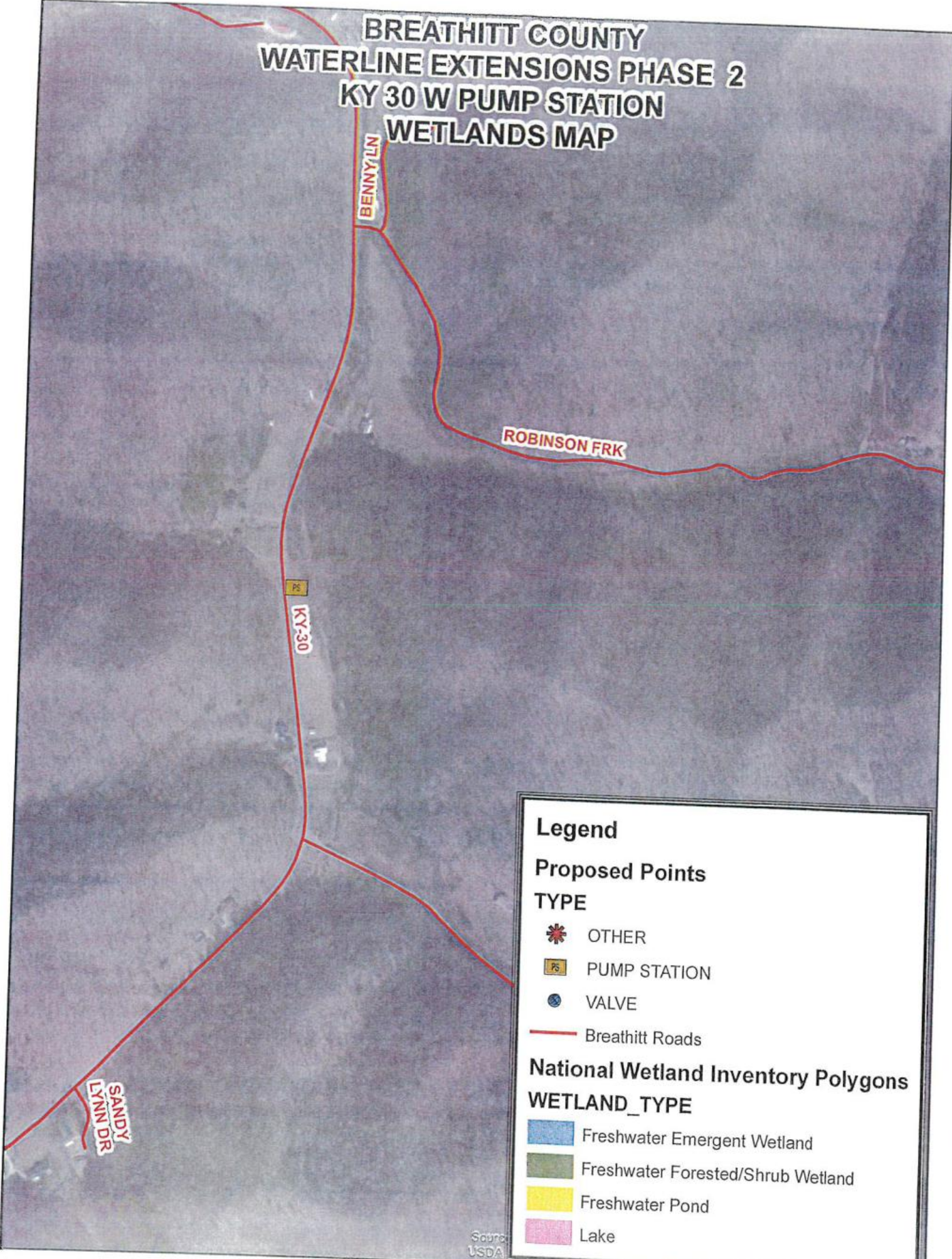
SCALE 1"=2,000'
OR 1:24,000

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



Legend	
Proposed Points	
TYPE	
	OTHER
	PUMP STATION
	VALVE
	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 30 W PUMP STATION WETLANDS MAP




Legend

Proposed Points





TYPE

-  OTHER
-  PUMP STATION
-  VALVE

 Breathitt Roads

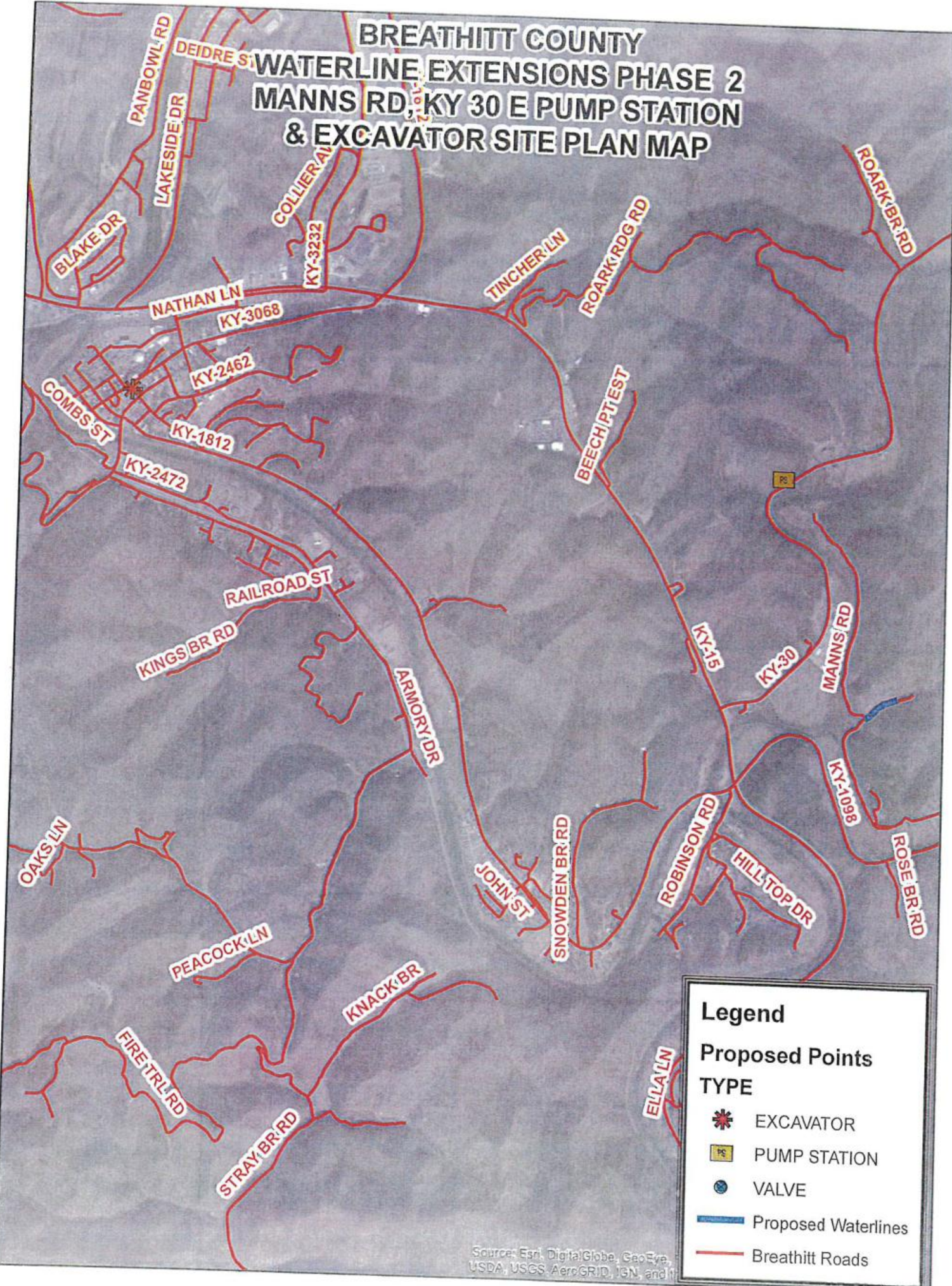
National Wetland Inventory Polygons

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

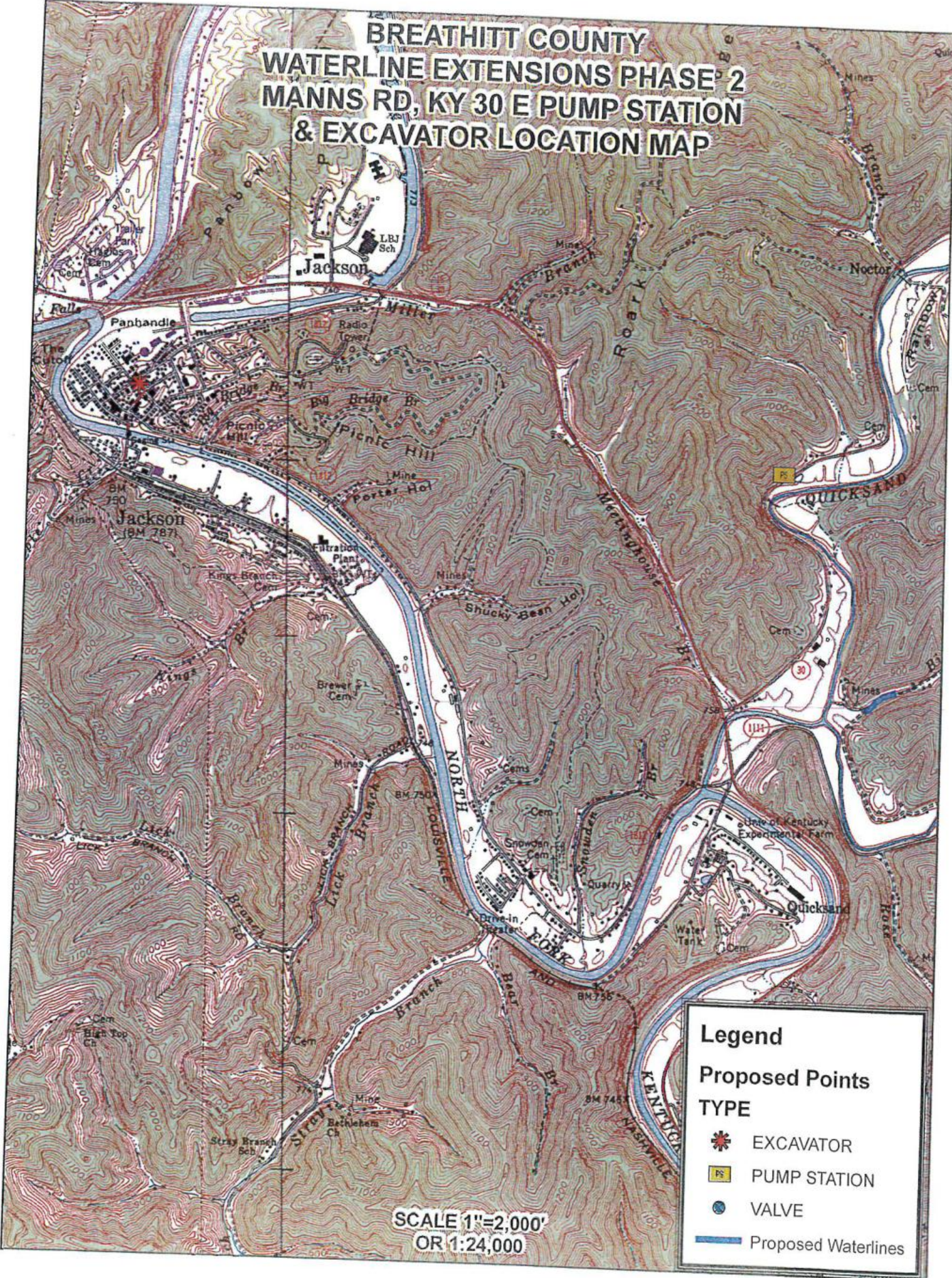
Proposed Points

TYPE

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

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

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

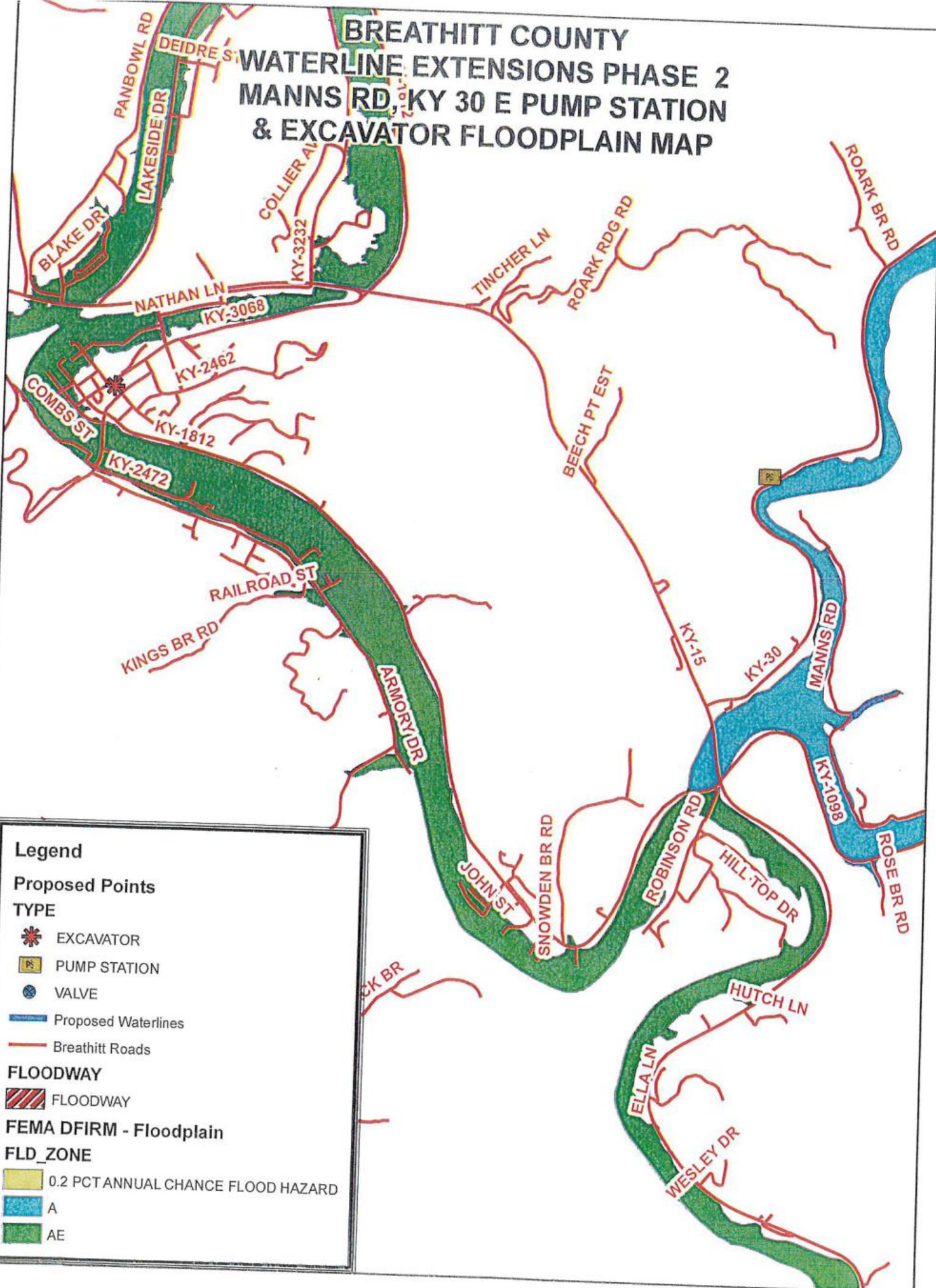
Legend

Proposed Points

TYPE

-  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

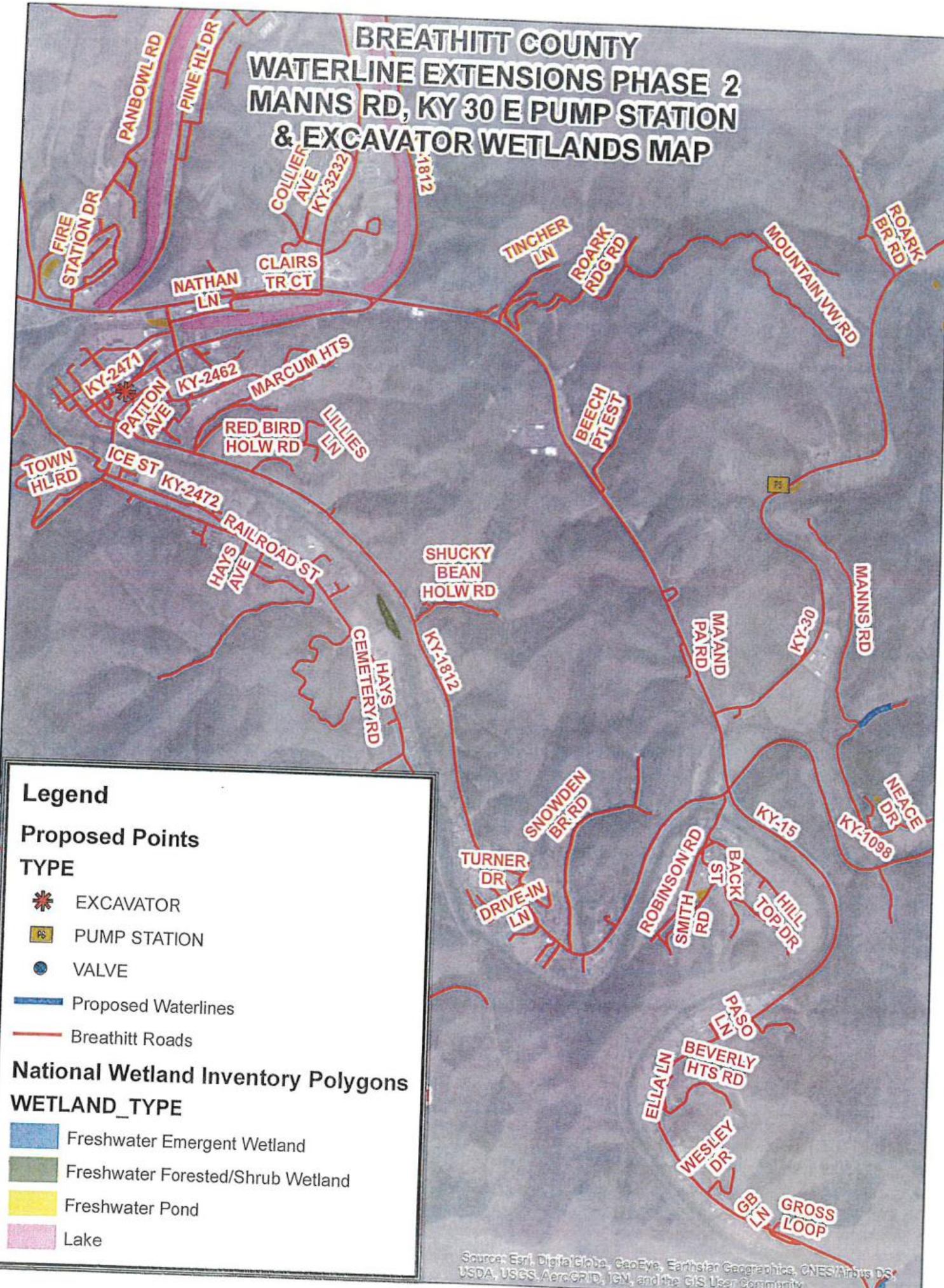
- FLOODWAY

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





Legend

Proposed Points





TYPE

-  EXCAVATOR
-  PUMP STATION
-  VALVE

-  Proposed Waterlines
-  Breathitt Roads

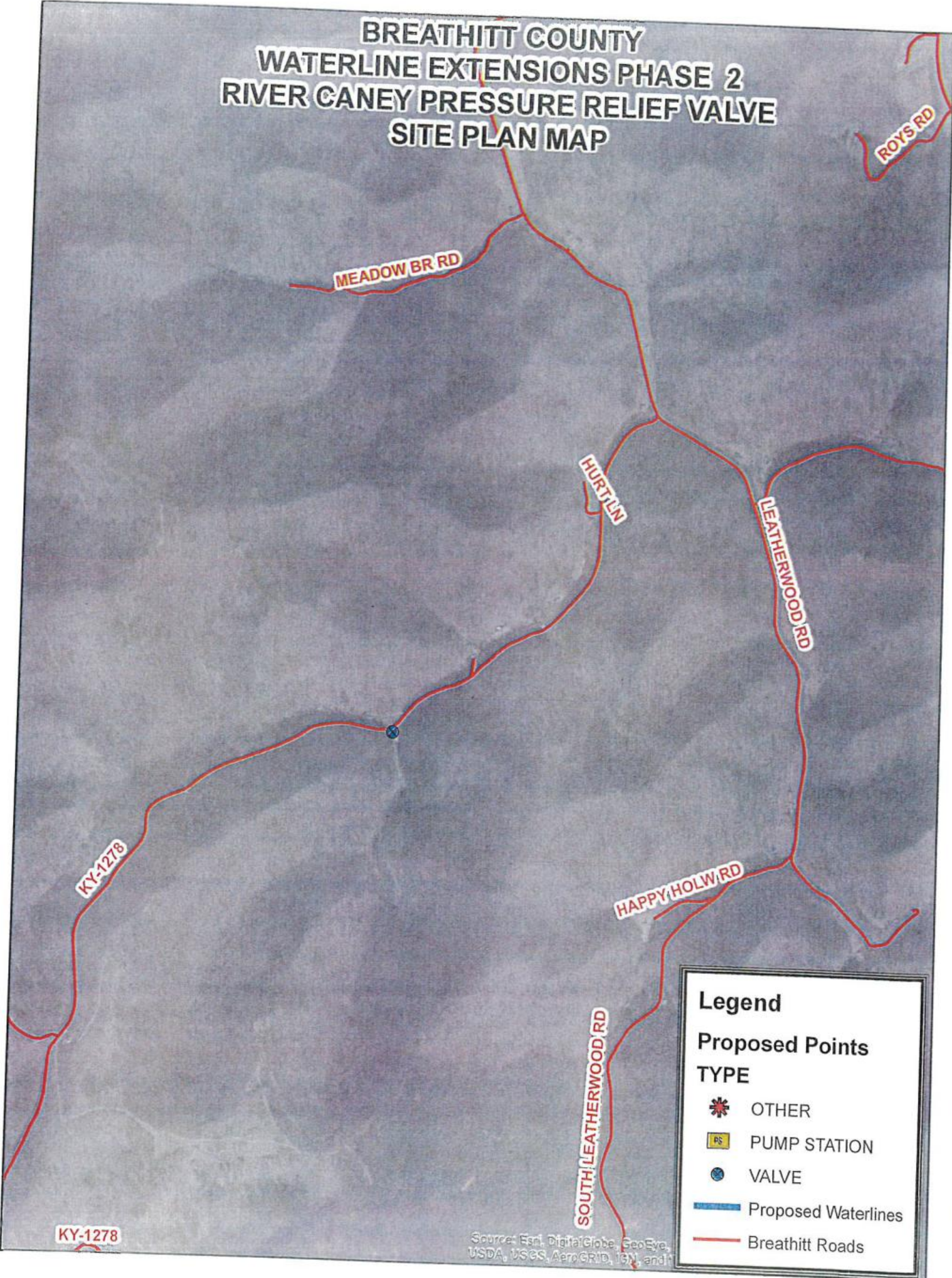
National Wetland Inventory Polygons

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

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



Legend

Proposed Points

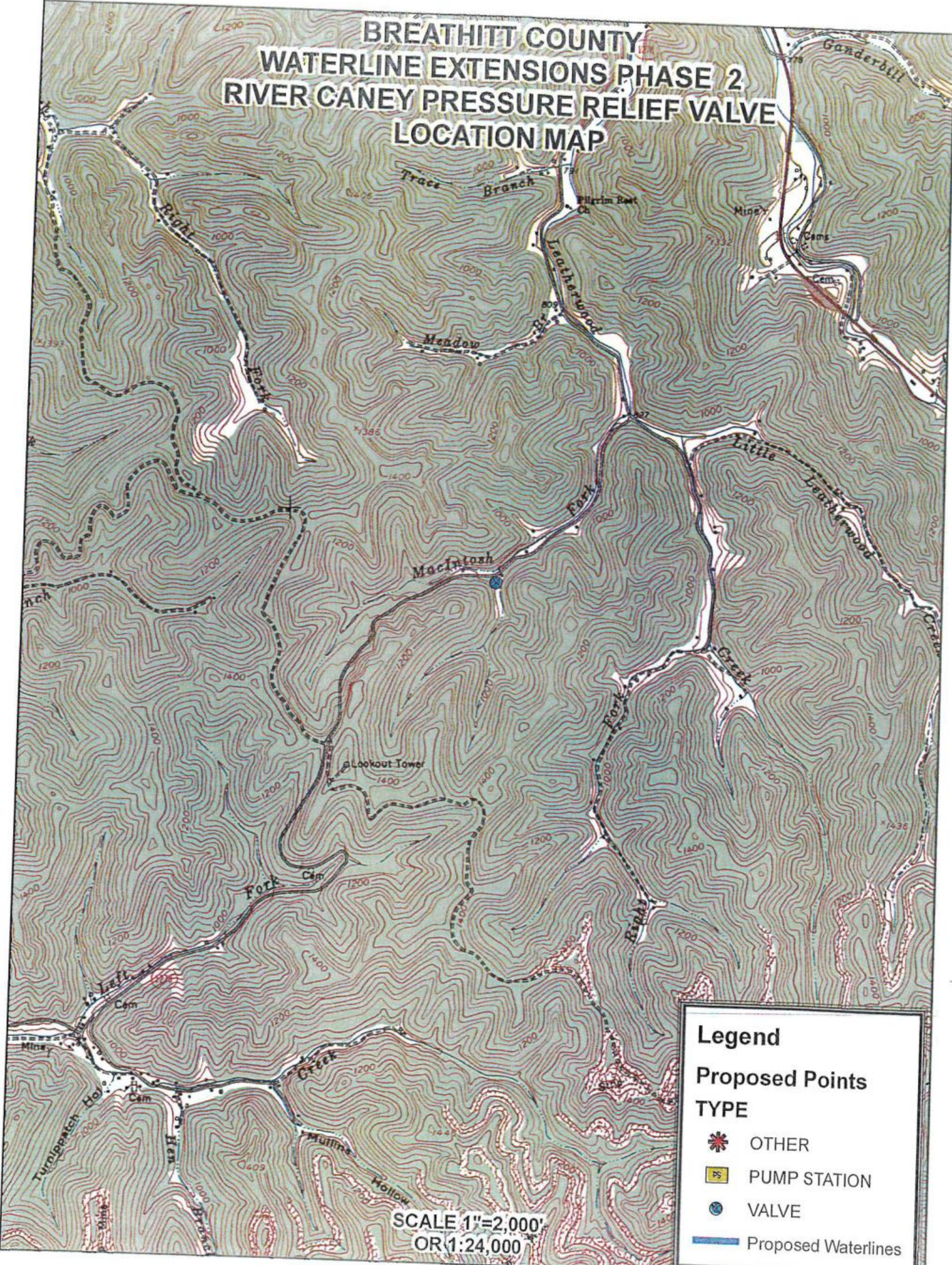
TYPE

- OTHER
- PUMP STATION
- VALVE

Proposed Waterlines

Breathitt Roads





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



Legend

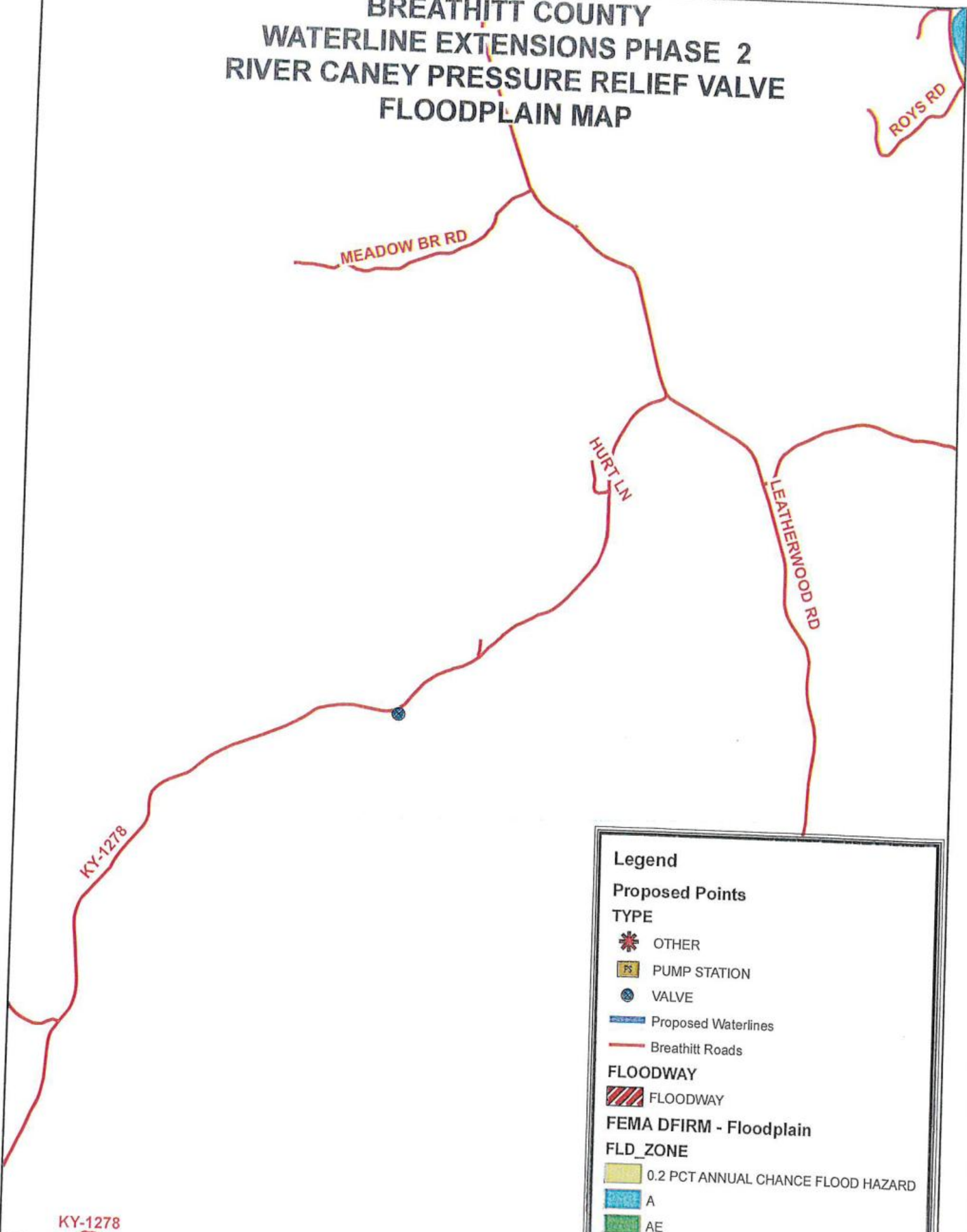
Proposed Points

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



Legend

Proposed Points

TYPE

- OTHER
- PUMP STATION
- VALVE

Proposed Waterlines

Breathitt Roads

FLOODWAY

- FLOODWAY

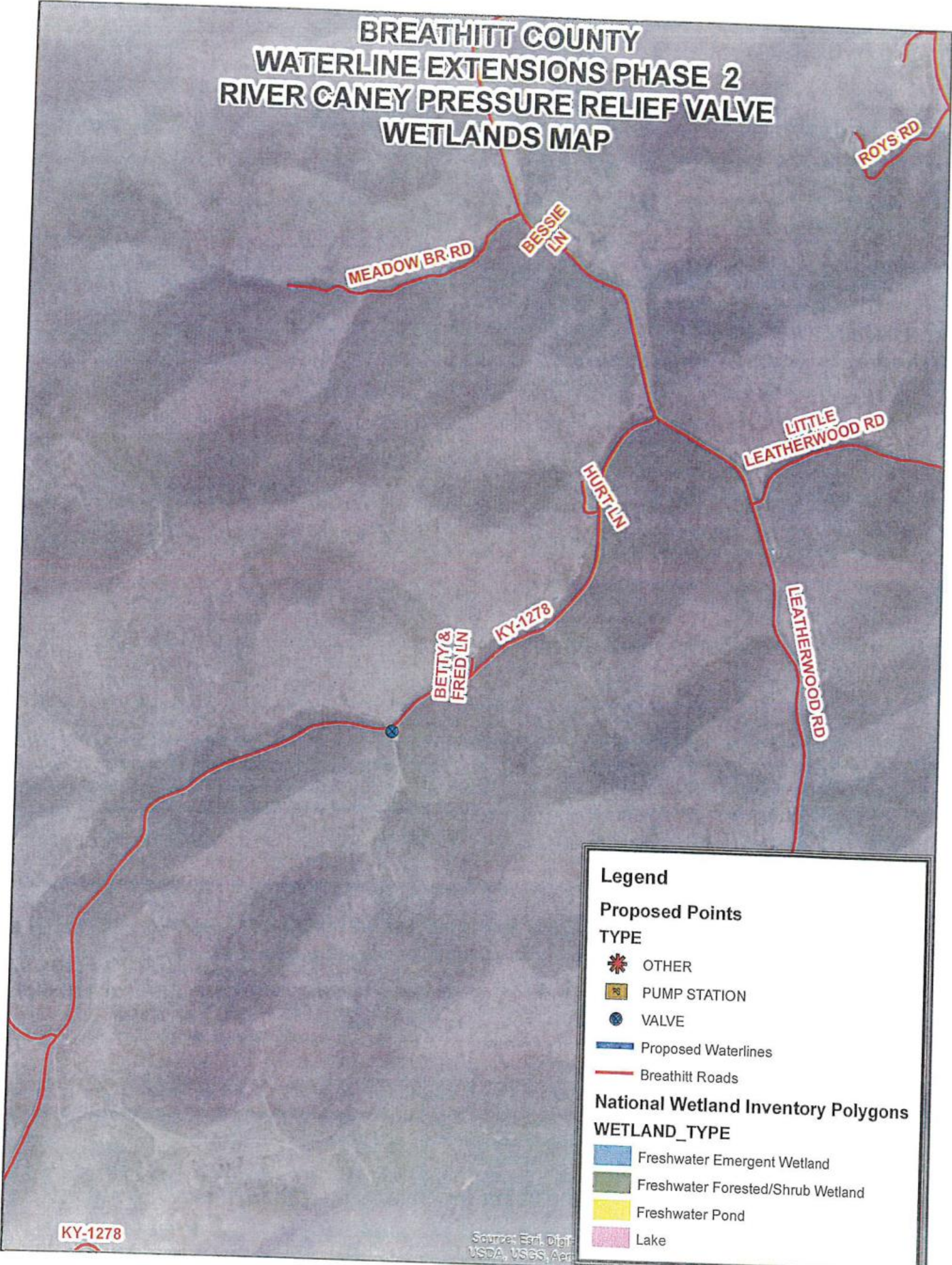
FEMA DFIRM - Floodplain

FLD_ZONE

- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- A
- AE

KY-1278

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

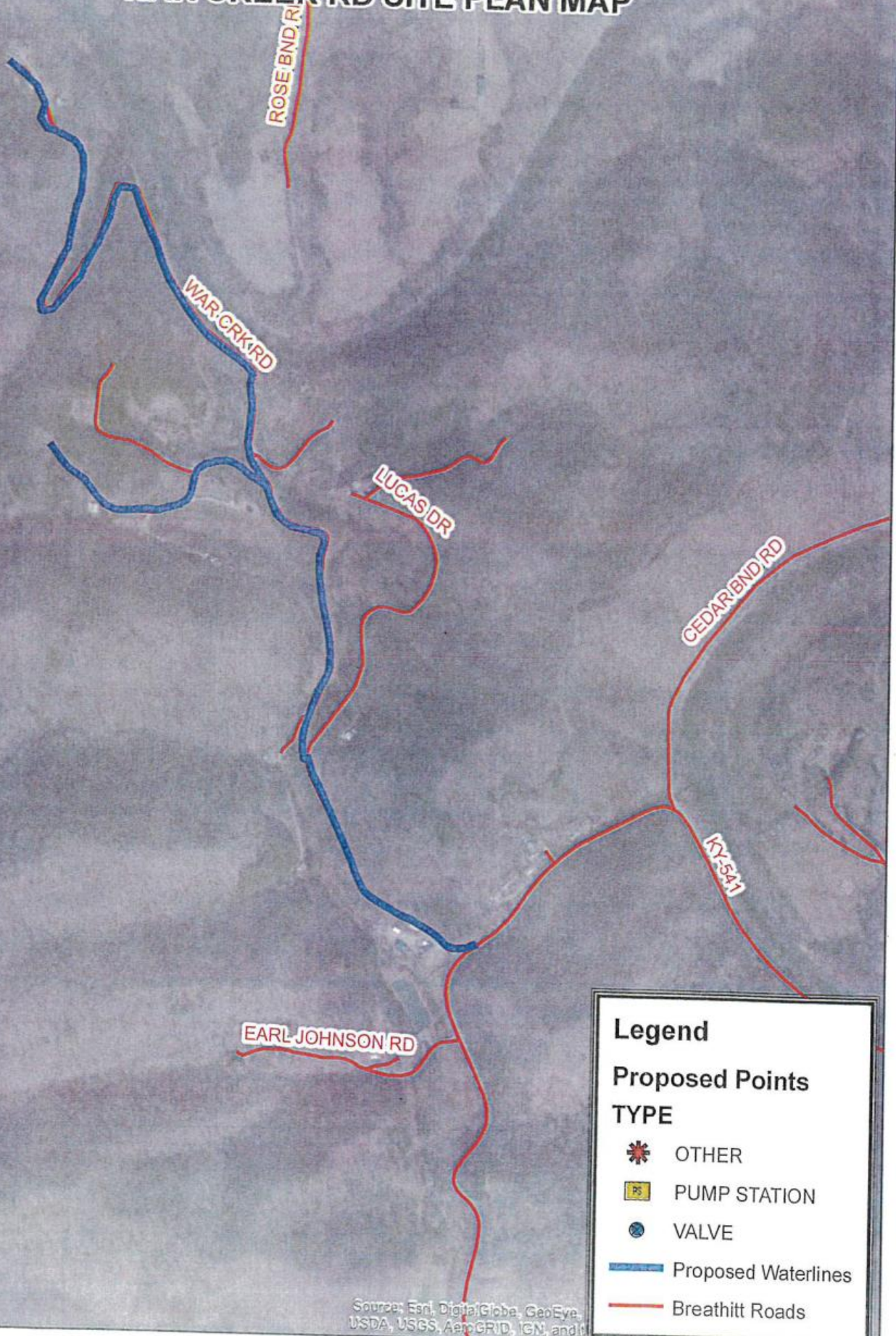
WETLAND_TYPE

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

KY-1278

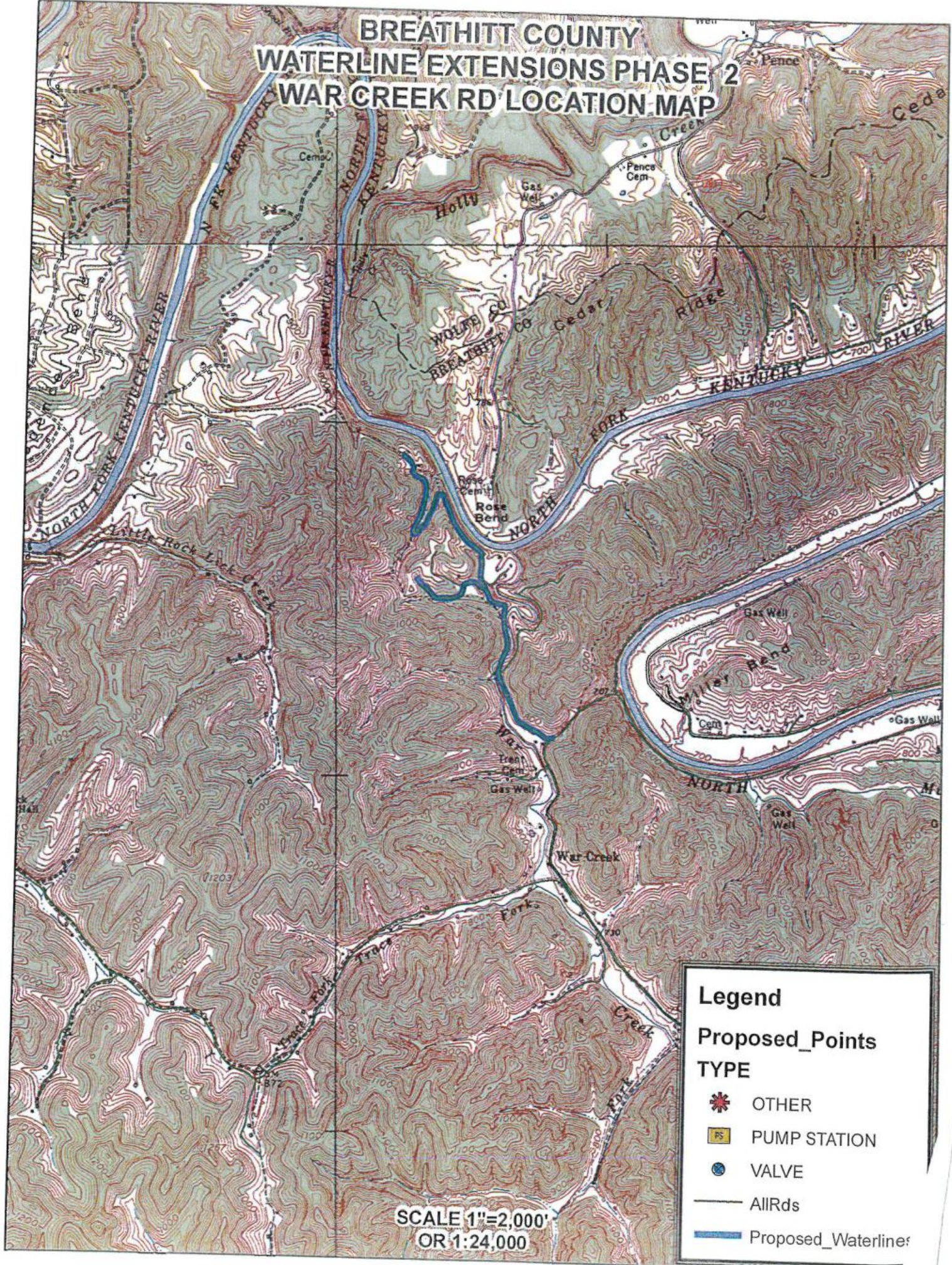
Sources: Esri, DigitalGlobe, GeoEye, USDA, VSGS, Aerial

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



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






BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD LOCATION MAP



Legend

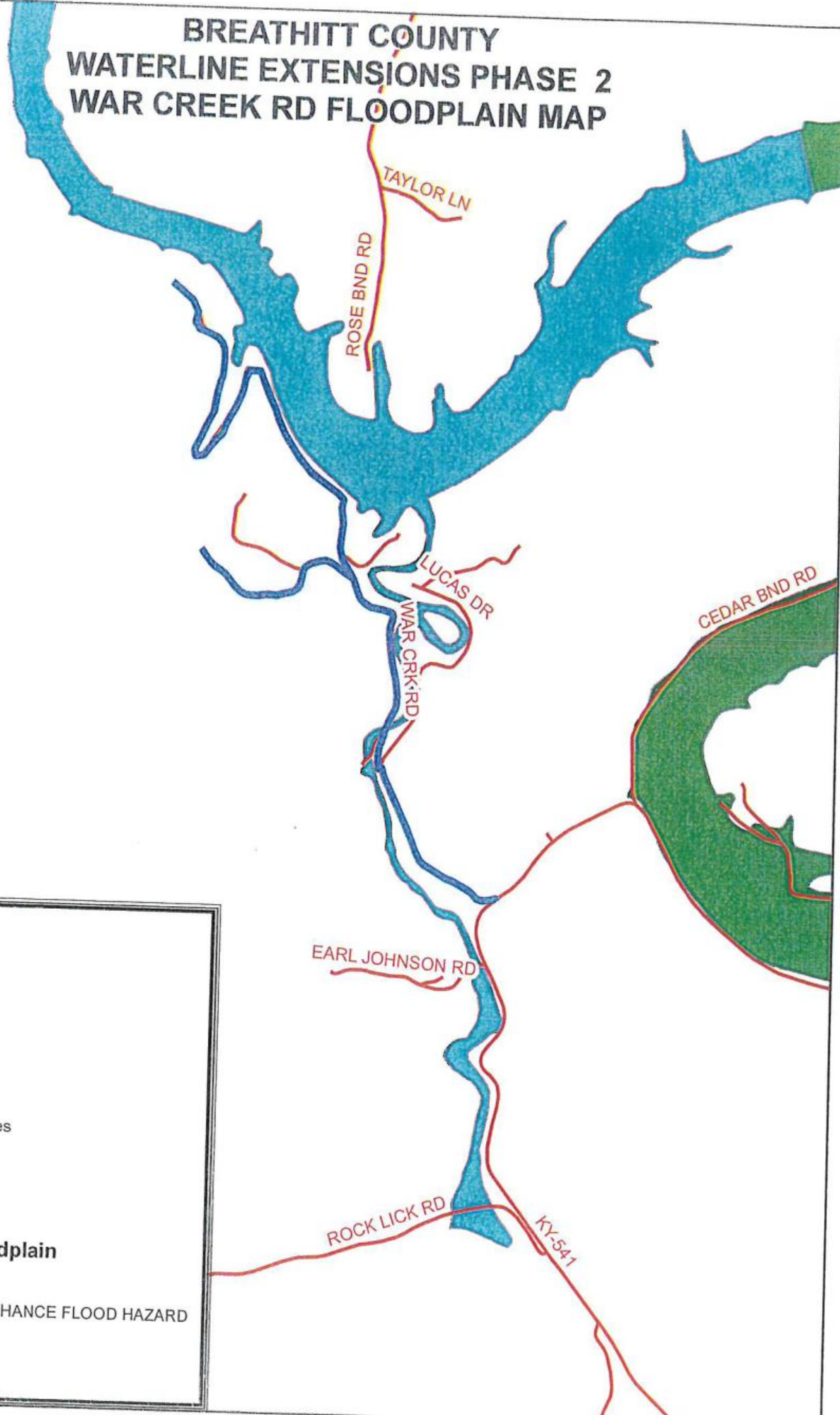
Proposed_Points

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

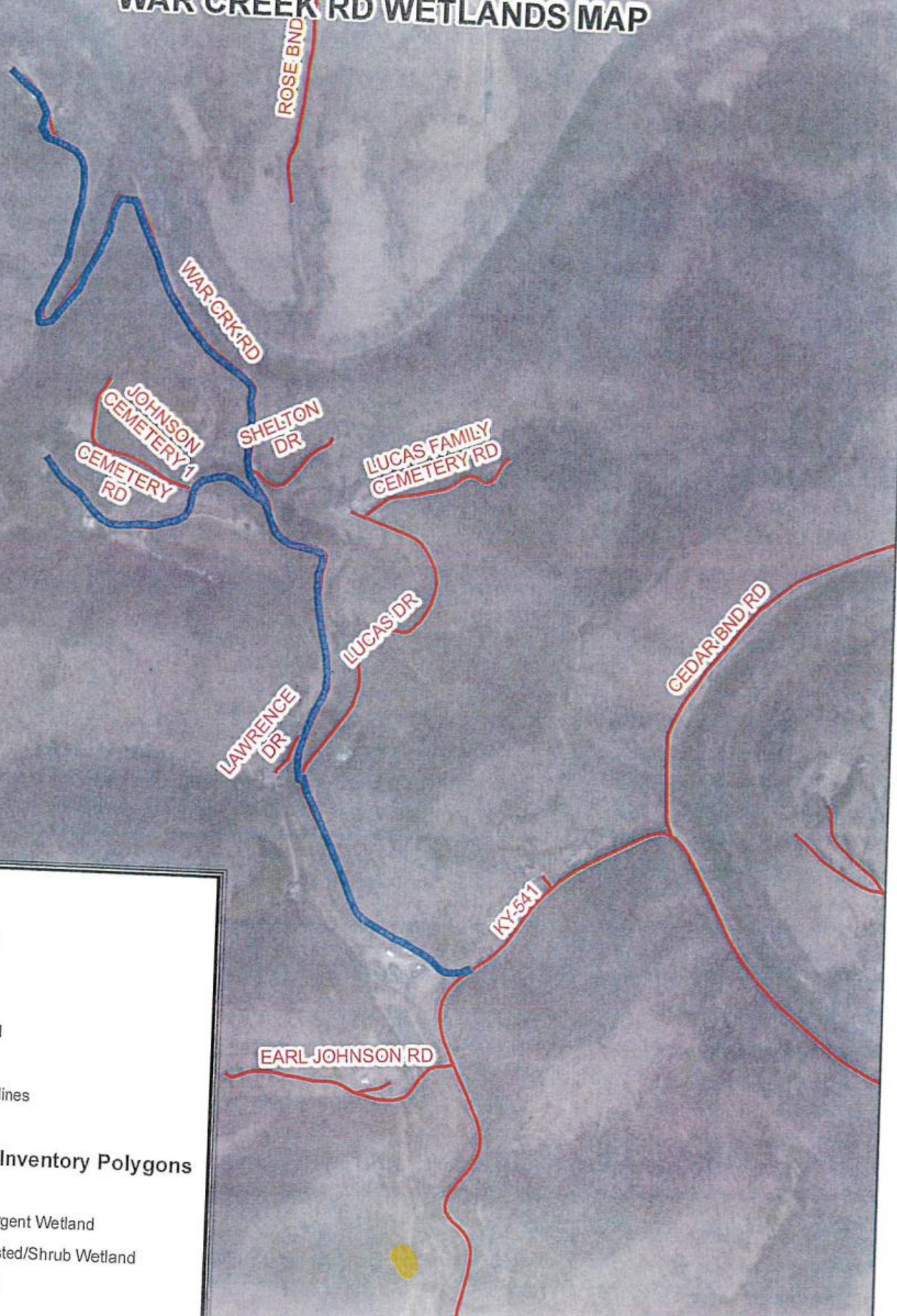
-  FLOODWAY

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

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