

Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit gives approval for the development/ project listed that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible, and must remain posted during entirety of development.

Permit: # 14-325
West Union

Date Approved: 01/06/2016



Expires: 01/06/2017

Issued to: Antero Midstream LLC

POC: Rachel Grzybek (304) 842-4008

**Company Address: 535 White Oaks Blvd.
Bridgeport, WV 26330**

Project Address: Smith Pipeline

Firm: 115C / 105-C Lat/Long: 39.30114N, 80.842215W/39.327042N, 80.842215W

Purpose of development: Pipeline

Issued by: George C Eidel, Doddridge County FPM (or designee)

Date: 01/06/2016

For additional information regarding this permit, please contact
Doddridge County Floodplain Manager at 304.873.2631, or via email at
doddridgecountyfpm@gmail.com
118 East Court Street; West Union, WV 26456

Legal Advertisement:
Doddridge County
Floodplain Permit Application

Please take notice that on the 19th day of December, 2014

Antero Resources

filed an application for a Floodplain Permit to develop land located at or about:

Central District

39.30114N/80.864855W to 39.327042N/80.842215W

Permit #14-325 Smith Pipeline

The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by **January 26, 2015**, delivered to:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456

Beth A Rogers, Doddridge County Clerk

Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager



ANTERO RESOURCES MIDSTREAM
 1615 WYNKOOP STREET
 DENVER, COLORADO 80202

Vendor Name	Vendor No.	Date	Check Number	Check Total
DODDRIDGE COUNTY COMMISSION	43312	Feb-24-2015	31547	\$500.00

VOUCHER	VENDOR INV #	INV DATE	TOTAL AMOUNT	PRIOR PMTS & DISCOUNTS	NET AMOUNT
02-AP-1503	AO2132015S	02/13/15	500.00	0.00	500.00
Smith Pipeline					500.00
TOTAL INVOICES PAID					500.00

#19-325

Doddridge County, West Virginia

RECEIPT NO: 4541

DATE: 2015/04/20

FROM: ANTERO RESOURCES MIDSTREAM

AMOUNT: \$ 500.00

FIVE HUNDRED DOLLARS AND 00 CENTS

FOR: FP BUILDING PERMITS #48-325

00000031547 FP-BUILDING PERMITS

020-318 TOTAL: \$500.00

MICHAEL HEADLEY
 SHERIFF & TREASURER

PMS
 CLERK

Customer Copy

DETACH AND RETAIN FOR TAX PURPOSES

**DODDRIDGE COUNTY
FLOODPLAIN APPLICATION PERMIT FEES**

Accessory Building and/or Appurtenant Structures ----- \$100.00
(examples: garage, storage or pole building, carport)
(the total cost of which do not exceed \$10,000.00)

Accessory Building and/or Appurtenant Structures, Additions and/or Substantial Improvement to Single Family Residential or Manufactured Homes, New Single or Multi-Family Residential and Commercial Structures or Substantial Improvement to existing Commercial Structures, Commercial Land Use Changes and Land Altering Activities
(commercial structures includes buildings used for business purposes)
(the total costs of which exceed \$10,000.00 but do not exceed \$50,000.00) ----- \$250.00

Accessory Building and/or Appurtenant Structures, Additions and/or Substantial Improvement to Single Family Residential or Manufactured Homes, New Single or Multi-Family Residential and Commercial Structures or Substantial Improvement to existing Commercial Structures, Commercial Land Use Changes and Land Altering Activities
(commercial structures includes buildings used for business purposes)
(the total costs of which exceed \$50,000.00 plus \$2.00 per \$1,000.00 to cover costs over \$50,000.00) ----- \$350.00

New Industrial Structures or Additions and/or Substantial Improvement to Existing Industrial Structures, changes in Land Use and Land Altering Activities for Industrial purposes
(industrial structures includes oil and/or natural gas wells, roads, bridges, tank pads, and Buildings used or associated with oil and natural gas purposes)
(the total costs of which do not exceed \$100,000.00) ----- \$500.00

New Industrial Structures or Additions and/or Substantial Improvement to Existing Industrial Structures, changes in Land Use and Land Altering Activities for Industrial purposes
(industrial structures includes oil and/or natural gas wells, roads, bridges, tank pads, and Buildings used or associated with oil and natural gas purposes)
(the total costs of which exceed \$100,000.00 plus \$5.00 per \$1,000.00 in costs over \$100,000.00) ----- \$1,000.00

Maximum Fee: In no event shall any Floodplain Application Permit Fee charged under the Doddridge County Floodplain Ordinance exceed the sum of \$25,000.00.

FILED

2014 DEC 29 PM 1:41

BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV



Antero Resources
535 White Oaks Blvd.
Bridgeport, WV 26330
Office 304.842.4100
Fax 304.842.4102

December 18, 2014

Doddridge County Commission
Attn: Bo Wriston, Doddridge County Floodplain Manager
118 East Court Street, Room 102
West Union, WV 26456

Mr. Wriston:

Antero Midstream LLC (Antero) would like to submit a Doddridge County Floodplain permit application for our Smith Pipeline. Our project is located in Doddridge County, Central District where the pipeline will begin at the Nichols Pipeline at coordinates 39.30114 N, 80.864855 W and will continue to the Tamela Compressor Site at coordinates 39.327042 N, 80.842215 W. Per the FIRM Maps #54017C0115C and #54017C0105C, this location is within the floodplain.

Attached you will find the following:

- No-Rise Certificate
- Doddridge County Floodplain Permit Application
- USGS Topographic Map
- Site Design with Aerial Imagery
- WV Flood Tool Map
- FIRM Map
- Surface Owner Information

If you have any questions please feel free to contact me at (304) 842-4008.

Thank you in advance for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Rachel Grzybek".

Rachel Grzybek
Floodplain Engineer
Antero Resources Appalachian Corporation

Enclosures

THRASHER

December 17, 2014

Mr. Bo Wristen
Doddridge County Commission
118 East Court Street
West Union, WV 26456

RE: *Doddridge County Floodplain Development Permit (Not in Floodplain)*
Antero Midstream LLC
Smith Pipeline Project
Doddridge County, West Virginia
Thrasher Project #101-015-0270 AFE #14TAMELAPL

Mr. Wristen:

On behalf of Antero Midstream LLC (Antero), The Thrasher Group, Inc., is submitting to your office, for review and approval, a proposed pipeline project in the USGS West Union 7.5 minute quadrangle of Doddridge County, WV.

The proposed Smith Pipeline Project will be located off County Route 26/Long Run Road, approximately 2.12 air miles from the city of Central Station, in Doddridge County, West Virginia. The proposed Smith Pipeline Project consists of two (2) buried 20" steel natural gas pipelines, located within two (2) separate 3'X5' ditches approximately ten (10) feet apart in a 95-foot wide construction right-of-way (ROW). The proposed pipeline project originates at the Nichols Pipeline, located at approximate coordinates 39.30114°N and 80.864855°W. From there, it extends approximately 16,270 LF to the Tamela Compressor Site, located at approximate coordinates 39.327042°N and 80.842215°W.

In addition, the proposed project will utilize seven (7) access roads during the installation of the pipeline; including six (6) existing access roads and one (1) proposed access road. Minor upgrades (surface grading and depositing stone) will occur due to the utilization of the existing access roads and proposed access road. The Smith Pipeline Project LOD, including the pipeline ROW, workspaces and proposed access road, encompasses approximately 39.33 acres.

The proposed Smith Pipeline is located entirely out of the floodplain; however two (2) of the existing access roads are located within the floodplain for a total combined length of 30 linear feet (5 feet for Temporary Access Road 4 and 20 feet for Permanent Access Road 2). Please see attached WV Flood Tool Map and FEMA issued FIRM Map (Doddridge County Panels 105 and 115) with the pipeline and access roads overlaid.

THRASHER

Mr. Wristen
Page 2 of 2
December 17, 2014

The total cost of construction within the floodplain was calculated at approximately \$2,500.00; resulting in a permit fee of \$500.00 (New Industrial Structures or Additions and/or Substantial Improvement to Existing Industrial Structures, changes in Land Use and Land Altering Activities for Industrial purposes the total cost of which do not exceed \$100,000.00).

No above-ground structures are proposed to be installed within the floodplain and the proposed ROW will be returned to the original contour, slope, and grade at the time of completion. Additionally, the minor surface upgrades proposed to the access roads will not impact to the 100-year flood elevations. Please see attached documentation, as well as PE signature and stamp below.

If any further documentation is required for this project, or if any questions may arise please feel free to contact me at your convenience at (304) 326-6366 or ddrennen@thrashereng.com.

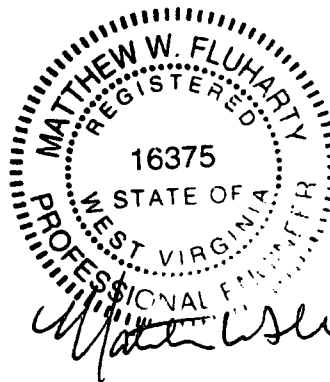
Sincerely,

THE THRASHER GROUP, INC.



DON DRENNEN
Environmental Scientist

Enclosures (6):
USGS Topographic Map
Aerial Imagery Map
WV Flood Tool Map
FIRM Map
Tax Map
Driving Directions



**DODDRIDGE COUNTY
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION**

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

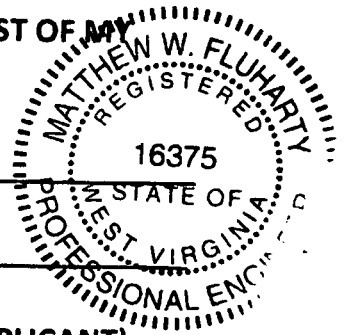
1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. **I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.**

APPLICANT'S SIGNATURE _____

Matthew W. Fluharty

DATE _____

12/17/14



SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: Antero Midstream LLC

ADDRESS: 1615 Wynkoop Street, Denver Colorado 80202

TELEPHONE NUMBER: (303) 357-7310

BUILDER'S NAME: To be determined - request conditional approval

ADDRESS: _____

TELEPHONE NUMBER: _____

ENGINEER'S NAME: Matthew Fluharty, PE The Thrasher Group INC.

ADDRESS: 600 White Oaks Boulevard, PO Box 940, Bridgeport WV 26330

TELEPHONE NUMBER: (800) 273-6541

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) _____

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) _____

DISTRICT: _____

DATE/FROM WHOM PROPERTY

PURCHASED: _____

LAND BOOK DESCRIPTION: _____

DEED BOOK REFERENCE: _____

TAX MAP REFERENCE: _____

EXISTING BUILDINGS/USES OF PROPERTY: _____

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY _____

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY _____

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY

STRUCTURAL TYPE

- | | |
|--------------------------------------------------|-----------------------------------------------------------|
| <input type="checkbox"/> New Structure | <input type="checkbox"/> Residential (1 – 4 Family) |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Residential (more than 4 Family) |
| <input type="checkbox"/> Alteration | <input type="checkbox"/> Non-residential (floodproofing) |
| <input type="checkbox"/> Relocation | <input type="checkbox"/> Combined Use (res. & com.) |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Replacement |
| <input type="checkbox"/> Manufactured/Mobil Home | |

B. OTHER DEVELOPMENT ACTIVITIES:

- Fill Mining Drilling Pipelining
- Grading
- Excavation (except for STRUCTURAL DEVELOPMENT checked above)
- Watercourse Altercation (including dredging and channel modification)
- Drainage Improvements (including culvert work)
- Road, Street, or Bridge Construction
- Subdivision (including new expansion)
- Individual Water or Sewer System
- Other (please specify)
-

C. STANDARD SITE PLAN OR SKETCH

1. **SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.**
2. **IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**
SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
3. **SIGN AND DATE THE SKETCH.**

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ 500.00

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

1. NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

- (A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.
- (B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.
- (C) PUBLICATION.

- (D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.
- (E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (PRINT): RANDY KLOBERDANZ

SIGNATURE:  DATE: 12/18/18

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: _____

Dated: _____

Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

Is located in Special Flood Hazard Area.
 FIRM zone designation _____
 100-Year flood elevation is: _____ NGVD (MSL)

Unavailable

The proposed development is located in a floodway.
 FBFM Panel No. _____ Dated _____

See section 4 for additional instructions.

SIGNED _____

DATE _____

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

- A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.

- Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also _____

- Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).

- Plans showing the extent of watercourse relocation and/or landform alterations.

- Top of new fill elevation _____ Ft. NGVD (MSL).
For floodproofing structures applicant must attach certification from registered engineer or architect.

- Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.

- Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

Other:

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)

I have determined that the proposed activity (type is or is not) in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED _____ DATE _____

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County? Yes No

Hearing Date: _____

County Commission Decision - Approved Yes No

CONDITIONS: _____

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

- 1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is _____ FT. NGVD (MSL)
- 2 Actual (As Built) elevation of floodproofing is _____ FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:

DATE: _____ BY: _____
DEFICIENCIES ? Y/N

COMMENTS _____

SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).

Certificate of Compliance issued: DATE: _____ BY: _____

**CERTIFICATE OF COMPLIANCE
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA
(OWNER MUST RETAIN)**

PERMIT NUMBER: _____

PERMIT DATE: _____

PURPOSE –

CONSTRUCTION LOCATION: _____

OWNER'S ADDRESS: _____

**THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.**

**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF
DODDRIDGE COUNTY ON MAY 21, 2013.**

SIGNED _____ **DATE** _____

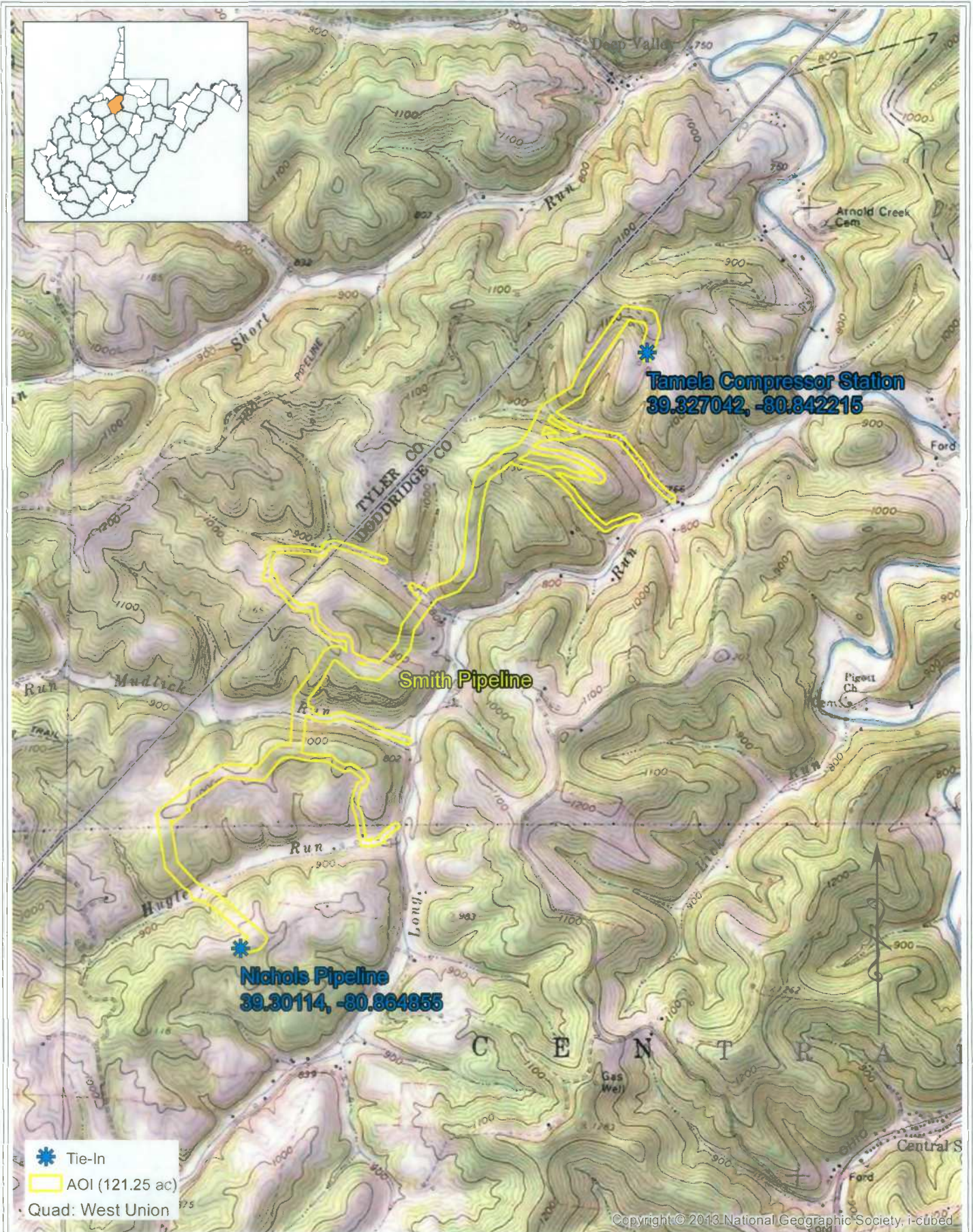


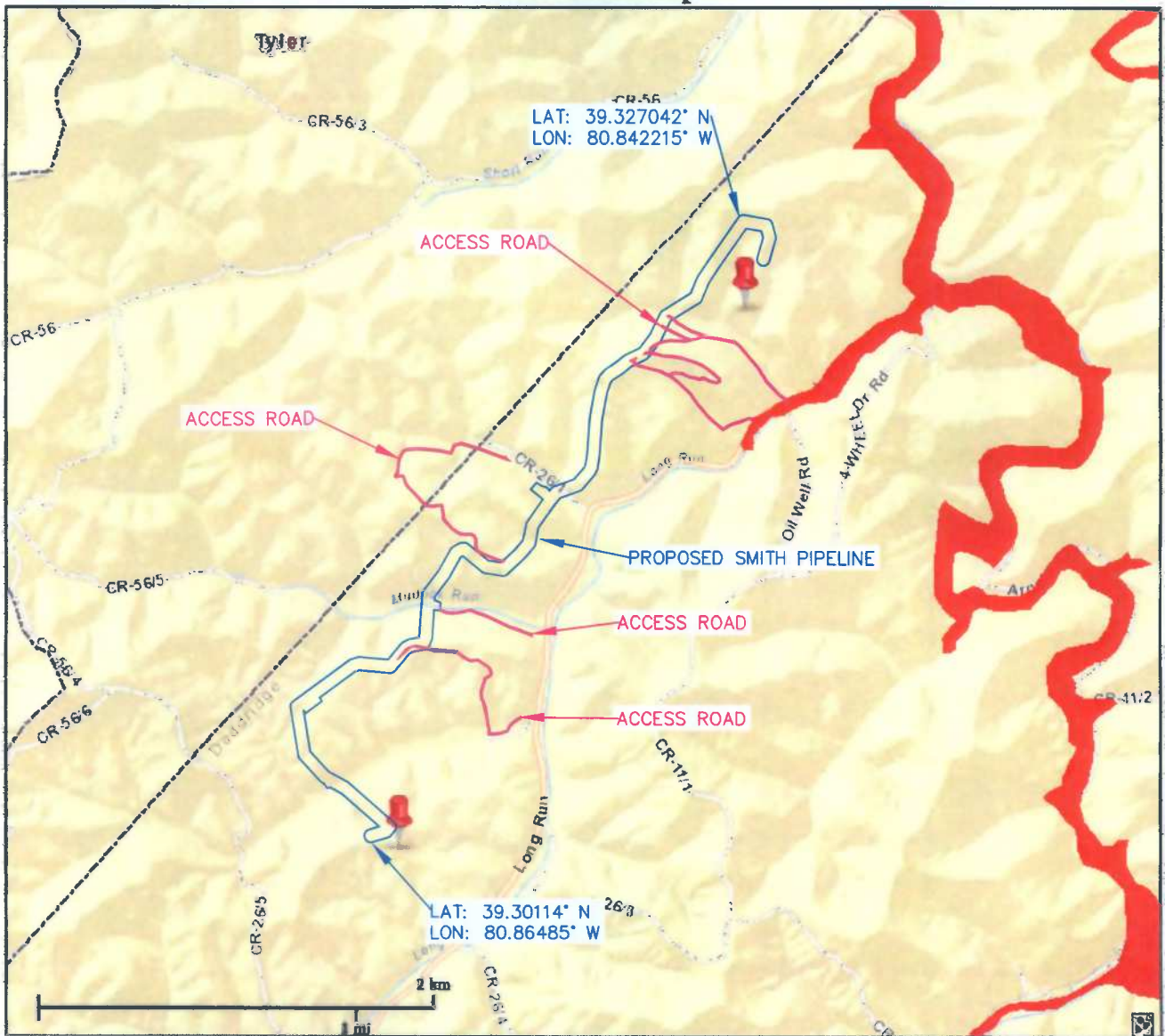
Figure 1: Site Location
 Smith Pipeline
 Doddridge County - West Virginia

THRASHER

1 inch = 2,000 feet



11/19/2014

WV Flood Map



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

Map Created on 9/10/2014

-  Location of the mouse click
-  Flood Hazard Zone (1% annual chance floodplain)

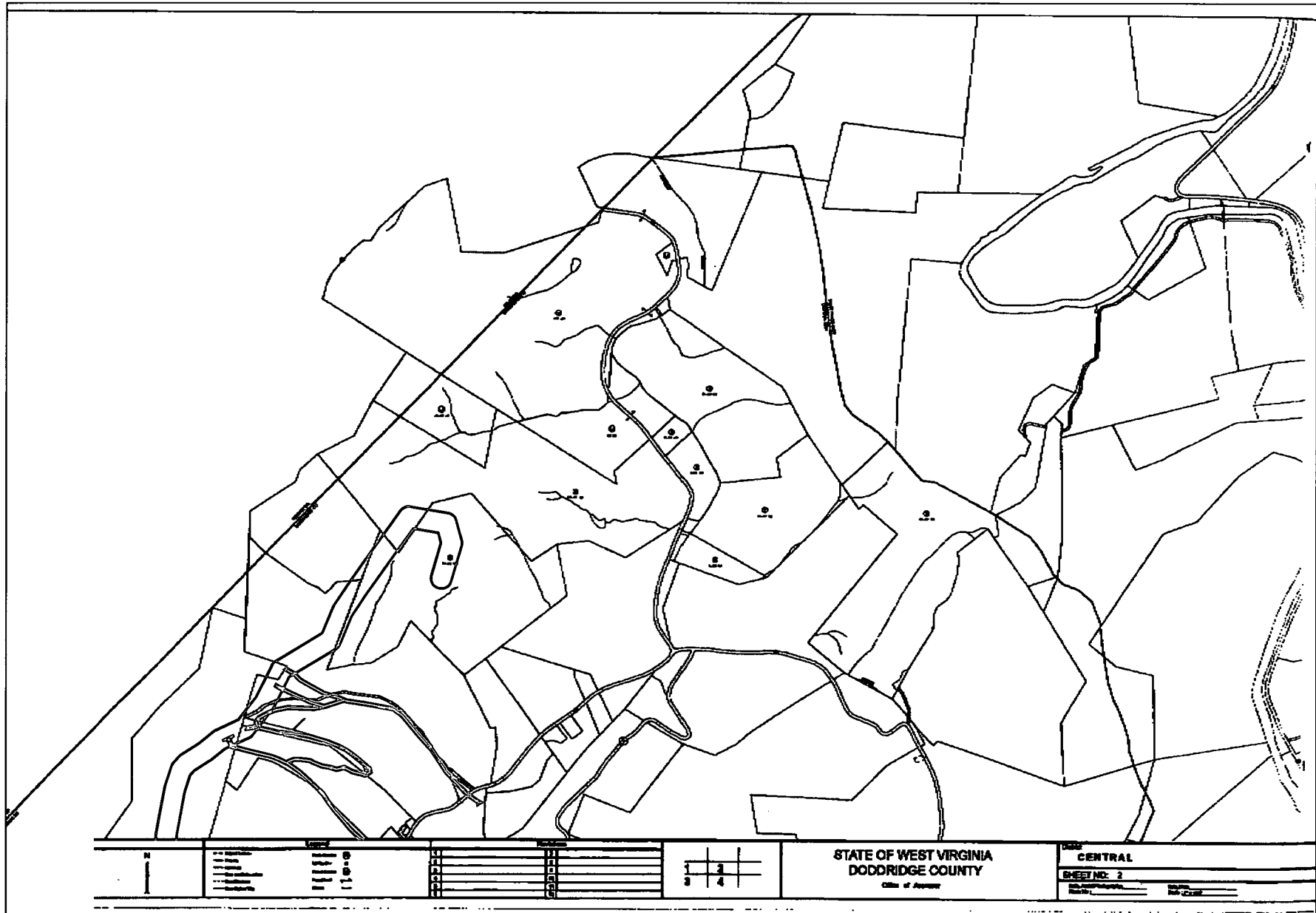
User Notes:

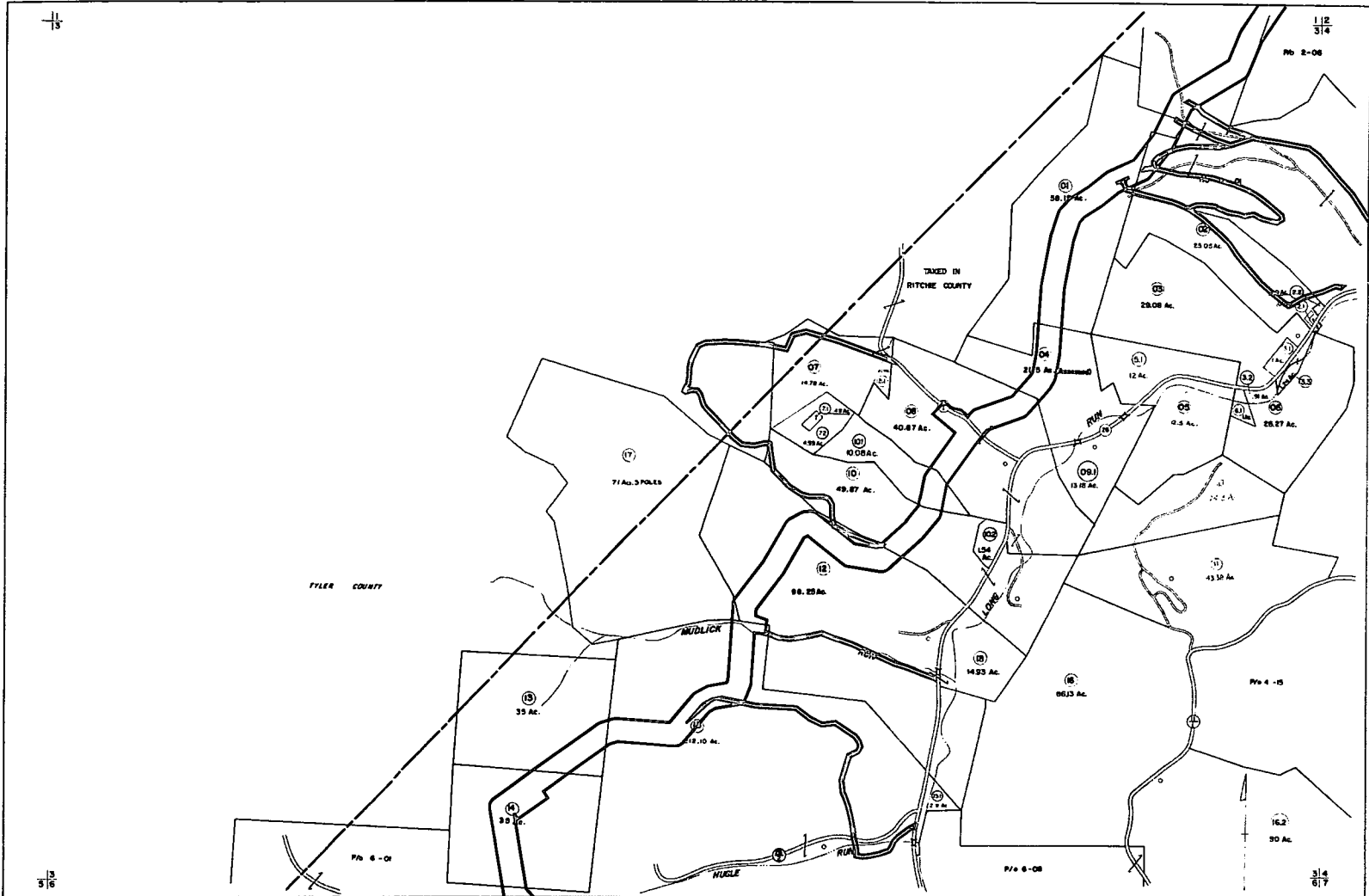
Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center (<http://www.MapWV.gov/flood>)

Flood Hazard Area:
 Elevation: N/A
 Location (long, lat):
 Location (UTM 17N):
 FEMA Issued Flood Map:
 Contacts:
 CRS Information:
 Parcel Number:





FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
 Civil Engineer
 Ebensburg, Pennsylvania

Legend

Property Line	---	As shown on map
Line of adjacent ownership	---	As shown on map
Encroachment & Easement	---	As shown on map
Boundary Line	---	As shown on map
Conveyance	---	As shown on map

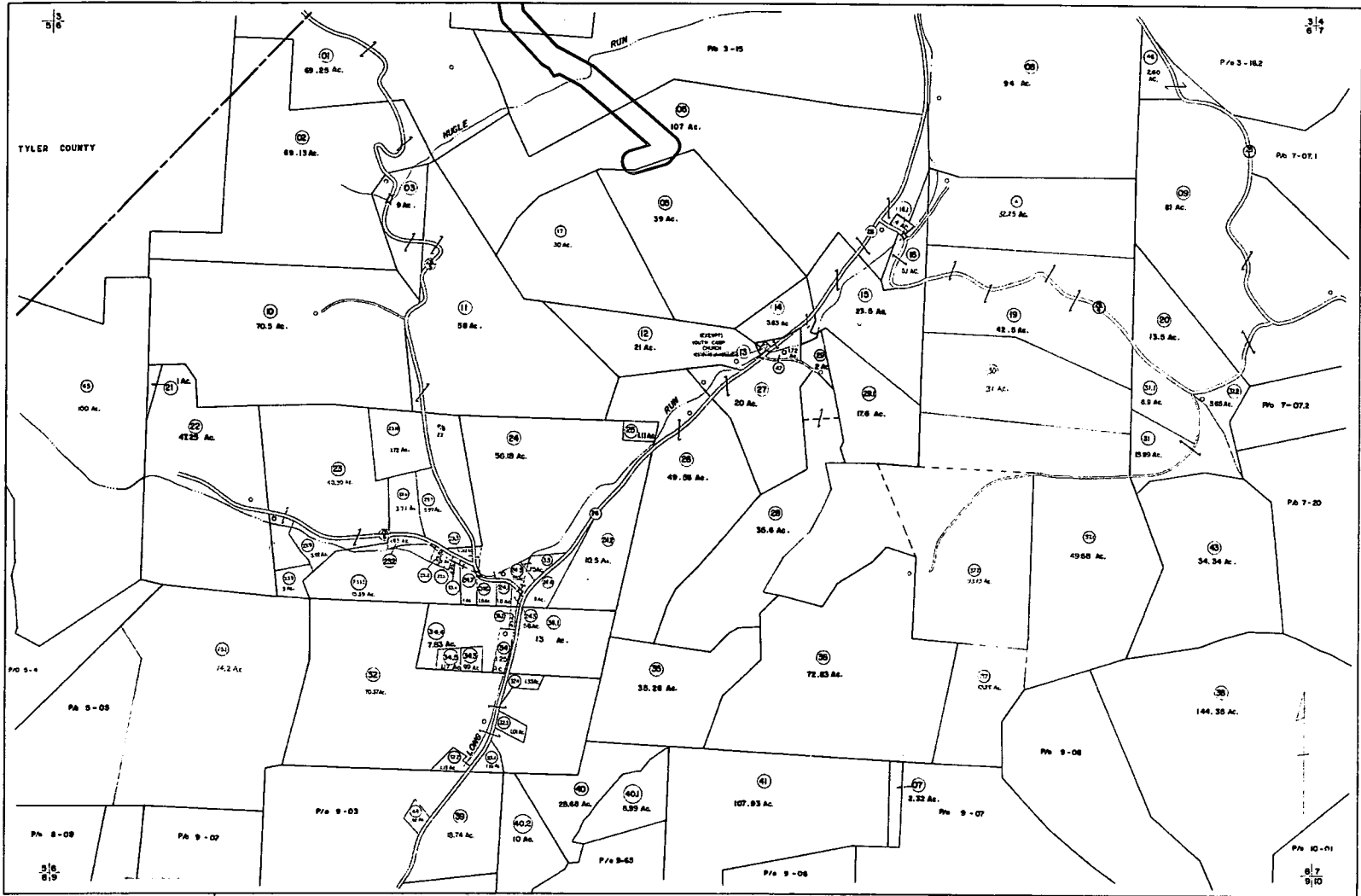
Revisions

No.	Description	Date	By	Checked
1	REVISED 3/29/84	3/29/84	JK	JK
2	REVISED 4/10/84	4/10/84	JK	JK
3	REVISED 5/12/84	5/12/84	JK	JK
4	REVISED 6/15/84	6/15/84	JK	JK
5	REVISED 7/18/84	7/18/84	JK	JK
6	REVISED 8/21/84	8/21/84	JK	JK
7	REVISED 9/24/84	9/24/84	JK	JK
8	REVISED 10/27/84	10/27/84	JK	JK
9	REVISED 11/30/84	11/30/84	JK	JK
10	REVISED 12/31/84	12/31/84	JK	JK

STATE OF WEST VIRGINIA
 DODDRIDGE COUNTY
 Office of Assessor

**CENTRAL DISTRICT
 SHEET 03**

Date Aerial Photography 1983, 1982
 Photo No. 84, 85
 Date Map 1983, 1982
 Scale 1" = 400'



FOR TAX PURPOSES ONLY
 Report to
L. ROBERT KIMBALL
 Consulting Engineer
 Ebensburg, Pennsylvania

Legend	
Property line	General tax line
Edge of stream or water	State tax district
Contour line	Tract or other number of map
Survey line	Improvement
County line	Subtract

Revisions	
1	REVISED 8/29/86
2	REVISED 11/24/86
3	REVISED 11/24/86
4	REVISED 11/24/86
5	REVISED 11/24/86
6	REVISED 11/24/86
7	REVISED 11/24/86
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99	REVISED 11/24/86
100	REVISED 11/24/86

STATE OF WEST VIRGINIA
 DODDRIDGE COUNTY
 Office of Assessor

CENTRAL DISTRICT
 SHEET 06
 Date: Aerial Photography APRIL, 1982 Date: Atlas: APR, 1983
 Photo No: 174, 175, 176 Scale: 1"=400'

**Smith Pipeline Project
Surface Owners Table**

Temporary Access Road 4

Surface Owners within Floodplain

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1	SHEPHERD HOLDING CO INC	RT 1 BOX 721, GREENWOOD, WV 26415		196	654	ARNOLDS CK THREE TRS 102.19 AC

Adjacent Surface Owner (Upstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	3	2	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		281	577	LONG RUN OF ARNOLDS CREEK 25.05 AC
CENTRAL	1	3	2.2	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		277	114	LONG RUN .29 AC

Adjacent Surface Owners (Downstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1.3	SHEPHERD MICHAEL	RT 1 BOX 721, PENNSBORO, WV 26415		280	636	ARNOLDS CK 7.64 AC
CENTRAL	1	4	1.4	SHEPHERD MELISSA A	RT 1 BOX 723, GREENWOOD, WV 26415		278	718	LONG RUN .88 AC

Permanent Access Road 2

Surface Owners within Floodplain

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1	SHEPHERD HOLDING CO INC	RT 1 BOX 721, GREENWOOD, WV 26415		196	654	ARNOLDS CK THREE TRS 102.19 AC

Adjacent Surface Owner (Upstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	4	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415	RT 26	277	116	LONG RUN 103.4 SQ RDS .65 AC

Adjacent Surface Owners (Downstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1.1	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		277	116	L RUN OF ARNOLDS CK 9.37 AC
CENTRAL	1	4	1.2	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		280	640	LONG RUN 4.41 AC



DEPARTMENT OF THE ARMY
 HUNTINGTON DISTRICT, CORPS OF ENGINEERS
 502 EIGHTH STREET
 HUNTINGTON, WEST VIRGINIA 25701-2070

REPLY TO
 ATTENTION OF

December 21, 2015

Regulatory Division
 Energy Resource Branch
 LRH-2014-00466-OHR-Middle Island Creek
 West End Connector Pipeline

**PRELIMINARY JURISDICTIONAL DETERMINATION AND
 NATIONWIDE PERMIT NO. 12 VERIFICATION MODIFICATION**

Ms. Patricia Kazimier
 Antero Midstream, LLC
 1615 Wynkoop Street
 Denver, Colorado 80202

Dear Ms. Kazimier:

I refer to your request, dated November 9, 2015, to modify the original Nationwide Permit (NWP) 12 verification, for the West End Connector Pipeline (LRH-2015-00466-OHR). In the original NWP 12 verification, dated June 15, 2015, you received a Department of the Army (DA) authorization to discharge dredged and/or fill material into 112.33 linear feet (lf) of stream channel and 0.357 acres of wetlands, associated with thirty-five (35) single and complete crossings, in conjunction with the West End Connector Pipeline. The proposed NWP verification modification is located approximately 6.0 miles west of West Union, in Doddridge County, West Virginia (39.327042 °N, 80.842215 °W). On-site waters flow into Middle Island Creek, a direct tributary of the Ohio River, a traditional navigable water of the United States.

The United States Army Corps of Engineers (Corps) authority to regulate waters of the United States is based, in part, on the definitions and limits of jurisdiction contained in 33 CFR 328 and 33 CFR 329. Section 404 of the Clean Water Act requires a DA permit be obtained prior to the discharge of dredged and/or fill material into waters of the United States, including wetlands. Section 10 of the Rivers and Harbors Act of 1899 requires a DA permit be obtained for any work in, on, over or under a navigable water.

A preliminary jurisdictional determination (PJD) was issued with the original June 15, 2015 NWP 12 Verification. A review of the information contained within the addendum indicates, the previously issued PJD is being revised to reflect the updated project area for the West End Connector Extension project. Based on a review of the addendum, dated November 9, 2015, and the previously issued PJD, dated June 15, 2015, the revised West End Connector project area contains one hundred eighty-nine (189) stream channels, totaling 71,837 linear feet (lf), four (4) emergent wetlands, totaling 0.54 acres, and one (1) open water, totaling 0.21 acres. Of the 71,837 lf of stream channel, 34,495 lf are classified as perennial stream channel, 10,602 lf are classified as intermittent stream channel, and 26,741 lf are classified as ephemeral stream channel. Refer to

2016 JAN -4 AM 11:16
 COURT CLERK
 DODDRIDGE COUNTY, WV
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the enclosed PJD Form for a detailed summary of waters within the West End Connector Pipeline project area.

This office has determined that these waters may be jurisdictional waters of the United States in accordance with the Regulatory Guidance Letter for Jurisdictional Determinations issued by the Corps on June 26, 2008 (RGL No. 08-02). As indicated in the guidance, this PJD is non-binding and cannot be appealed (33 C.F.R. 331.2) and only provides a written indication that waters of the United States, including wetlands, may be present on-site.

You have declined to exercise the option to obtain an approved Jurisdictional Determination in this instance and at this time for the area within the PJD. For the purposes of the determination of impacts, compensatory mitigation, and other resource protection measures for activities that require authorization from this office, the streams and wetlands described in the enclosed PJD Form will be evaluated as if they are waters of the U.S. Attached please find two copies of the PJD. If you agree with the findings of this PJD and understand your options regarding the same, please sign and date one copy of the form and return it to this office within 30 days of receipt of this letter. You should submit the signed copy to the following address:

U.S. Army Corps of Engineers
Huntington District, Regulatory Division
Attn: Mr. Wes Barnett (LRH-2015-00466-OHR)
502 8th Street
Huntington, West Virginia 25701

The proposed project, as described in the submitted information, has been reviewed in accordance with Section 404 and Section 10. Based on your description of the proposed work, and other information available to us, it has been determined that this project will not involve activities subject to the requirements of Section 10. However, this project will include the discharge of dredged and/or fill material into waters of the U.S. subject to the requirements of Section 404.

According to the information provided, you have requested the Corps modify the original NWP 12 verification, to facilitate the tie-in of the Nichols Pipeline to the West End Connector Pipeline. The project will include the discharge of dredged and/or fill material into approximately 50 linear feet (0.005 acre) of stream channel at twelve (12) single and complete crossings, for the construction of the West End Connector Extension. The proposed discharge of dredged and/or fill material into waters of the United States is described within Table 1 (attached). Upon completion of the project, all temporarily affected waters of the United States will be restored to pre-construction conditions.

Based on your description of the proposed West End Connector Extension Project, and other information available to us, it has been determined the proposed discharge of dredged and/or fill material into waters of the United States, as described in the enclosed Table, meets the criteria for authorization under Nationwide Permit (NWP) #12 (enclosed) under the February 21, 2012 Federal Register, Notice of Reissuance of NWPs (77 FR 10184) provided you comply with all terms and conditions of the enclosed materials and **special conditions**. The West Virginia Department of Environmental Protection has issued 401 Water Quality Certification for this NWP. A copy of this NWP can be found on our website at:
<http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>.

In view of the above, your utility line activities are permitted subject to the terms and conditions of the enclosed material. It is your responsibility to ensure that your work conforms to all of the conditions listed within the enclosed material, including the attached special conditions. Please be aware this NWP verification does not obviate the requirement to obtain any state or local assent required by law for the activities. A copy of these documents should be supplied to your project engineer responsible for project activities and a copy kept at the site during project work. Upon completion of the work, the enclosed completion certification must be signed and returned to this office.

This verification is valid until the expiration date of the NWPs, unless the NWP authorization is modified, suspended, or revoked. The verification will remain valid if the NWP authorization is reissued without modification or the activity complies with any subsequent modification of the NWP authorization. All of the existing NWPs are scheduled to be modified, reissued, or revoked on March 18, 2017. Prior to this date, it is not necessary to contact this office for re-verification of your project unless the plans for the proposed activity are modified. Furthermore, if you commence or under contract to commence this activity before March 18, 2017, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

If you have any questions concerning the above, please contact Wes Barnett of the Energy Resource Branch at (304) 399-6905 or by email at wes.barnett@usace.army.mil.

Sincerely,



Michael E. Hatten
Chief, Energy Resource Branch

Enclosures

CC (letter only via e-mail):

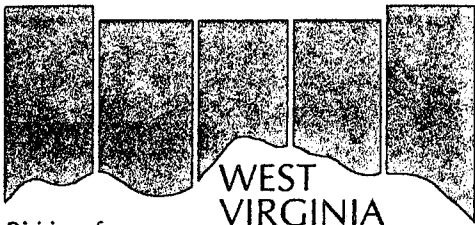
Ms. Wilma Reip
West Virginia Department of Environmental Protection
601 57th Street
Charleston, West Virginia 25304
wilma.reip@wv.gov

**Table 1- Authorized discharge of dredged and/or fill material into waters of the United States associated with the Antero Midstream, LLC – West End Connector Extension
LRH-2014-00466-OHR – Middle Island Creek**

Aquatic Resource ID	Temporary Fill Length of Stream (lf)	Temporary Fill Area of Stream (ac)	Regulated Activity
SMT Hugle Run	3.6	0.0009	Open-cut trench for pipeline crossing
SMT Mudlick Run	3.02	0.0016	Open-cut trench for pipeline crossing
SMT Stream 6	8.1	0.00043	Open-cut trench for pipeline crossing
SMT Stream 7	3.06	0.0002	Open-cut trench for pipeline crossing
SMT Stream 8	3.42	0.001	Open-cut trench for pipeline crossing
SMT Stream 9	3.0	0.0001	Open-cut trench for pipeline crossing
SMT Stream 11	3.22	0.0007	Open-cut trench for pipeline crossing
SMT Stream 15	4.0	0.0007	Open-cut trench for pipeline crossing
SMT Stream 18	3.0	0.00003	Open-cut trench for pipeline crossing
SMT Stream 21	4.99	0.0003	Open-cut trench for pipeline crossing
SMT Stream 22	4.99	0.0001	Open-cut trench for pipeline crossing
SMT Stream 24	5.1	0.00007	Open-cut trench for pipeline crossing
Totals	49.5	0.005	

Nationwide Permit 12 Verification Modification Special Conditions
Antero Midstream, LLC – West End Connector Extension
LRH-2015-00466-OHR – Middle Island Creek

1. Should new information regarding the scope and/or impacts of the project become available that was not submitted to this office during our review of the proposal, the permittee shall submit written information concerning proposed modification(s) to this office for review and evaluation, as soon as practicable.
2. Section 7 obligations under Endangered Species Act must be reconsidered if new information reveals impacts of the project that may affect federally listed species or critical habitat in a manner not previously considered, the proposed project is subsequently modified to include activities which were not considered during Section 7 consultation with the United States Fish and Wildlife Service, or new species are listed or critical habitat designated that might be affected by the subject project
3. All terms and conditions of the original Nationwide Permit 12 Verification dated June 15, 2015 remain valid and in effect.



Division of
Culture and History
February 24, 2015

RECEIVED

The Culture Center
1900 Kanawha Blvd., E.
Charleston, WV 25305-0300

Randall Reid-Smith, Commissioner

Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562
EEO/AA Employer

Mr. Don Drennen
Environmental Scientist
Thrasher
600 White Oaks Blvd.
PO Box 940
Bridgeport, WV 26330

RE: Smith Pipeline Project
Antero Midstream, LLC
FR#: 15-188-DO-1

Dear Mr. Drennen:

We have reviewed the above mentioned project to determine its effects to cultural resources. As required by Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

Archaeological Resources:

According to the report, systematic archaeological survey was conducted within the proposed project's Area of Potential Effect (APE), which consists of the project's limits of disturbance. Shovel probe excavation and pedestrian reconnaissance determined that much of the APE is comprised of steep terrain. Shovel probes, when excavated, encountered primarily intact soil horizons. No cultural materials were recovered. As a result, we concur that no historic archaeological properties are present within the proposed APE and that no further archaeological investigations are necessary.

Architectural Resources:

We have reviewed the submitted information and concur that the property located within the view shed of the pipeline is not eligible for inclusion in the National Register of Historic Places. No further consultation is necessary regarding architectural resources; however, if your plans should change, please contact our office.

We appreciate the opportunity to be of service. *If you have questions regarding our comments or the Section 106 process, please contact Lora A Lamarre-DeMott, Senior Archaeologist, or Jennifer Brennan Structural Historian, at (304) 558-0240.*

Sincerely,

Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/LLD/JLB

CC: Ms. Lisa Dugas, SWCA Environmental Consultants

2016 JAN -4 AM 11:16
COUNTY CLERK
WOODRIDGE COUNTY, WV
FILED



DIVISION OF NATURAL RESOURCES
324 4th Avenue, Room 200
South Charleston, West Virginia 25303-1228
Telephone 304-558-3225
Fax 304-558-6048
TDD 304-558-1439
TDD 800-354-6087

Earl Ray Tomblin
Governor

Robert A. Fala
Director

January 20, 2015

Division of Natural Resources
LICENSE AND RIGHT OF ENTRY

Re: P-14-VI/09-1717

Antero Midstream LLC
c/o The Thrasher Group Inc.
Attention: Don Drennen
600 White Oaks Blvd. PO Box 940
Bridgeport, WV 26330-

Dear Sir or Madam:

The Division of Natural Resources hereby grants to you for a term of ten (10) years from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove two (2) twenty inch (20") steel gas pipelines (Smith Pipeline Project) at ten (10) separate locations along Hugle Run, Mudlick Run, and unnamed tributaries of Long Run, West Union District, Doddridge County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A - F.

This License and Right of Entry is subject to the following terms and conditions:

High Quality Streams (HQS) as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1st through June 30th. Trout spawning season runs from October 1st through April 30th.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

Non-high quality stream:

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1st through June 30th. This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.

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DODDRIDGE COUNTY, WV
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Antero Midstream LLC
P-14-VI/09-1717
Page 2
January 20, 2015

- Only ephemeral/intermittent streams that are dry can be trenched.

Bank Stabilization

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

Freshwater Mussels

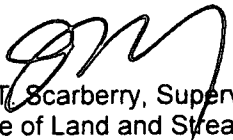
Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

For further assistance, contact the appropriate WVDNR District Fisheries Biologist.
District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$5500.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

Sincerely,


Joe T. Scarberry, Supervisor
Office of Land and Streams

JTS:cb

attachment

pc: DNR Fish Biologist
Jeremy Bandy, Environmental Enforcement
DNR Conservation Officers





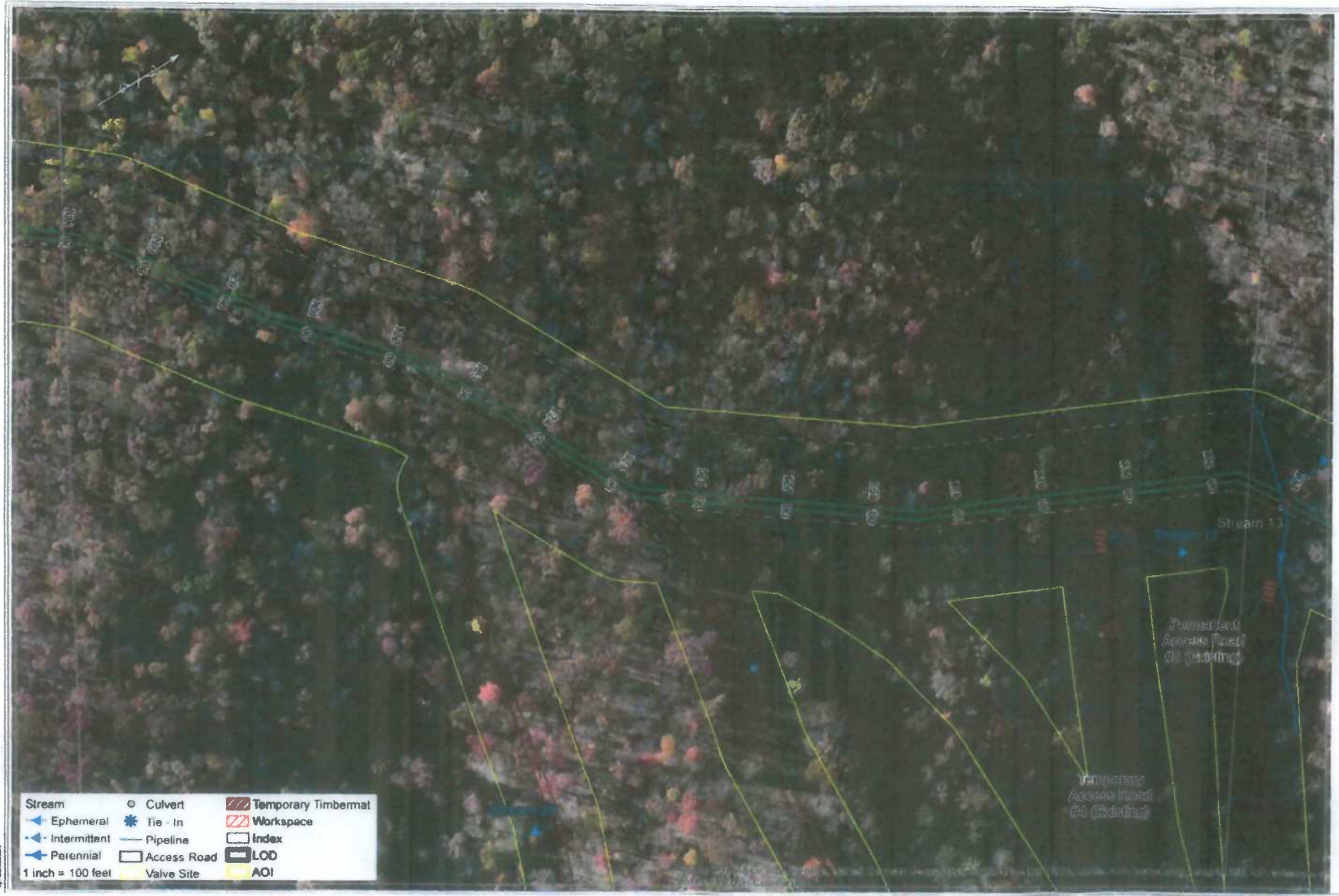




Figure 2.6: Potentially Jurisdictional Features
Smith Pipeline
Doddridge County - West Virginia

Exhibit E

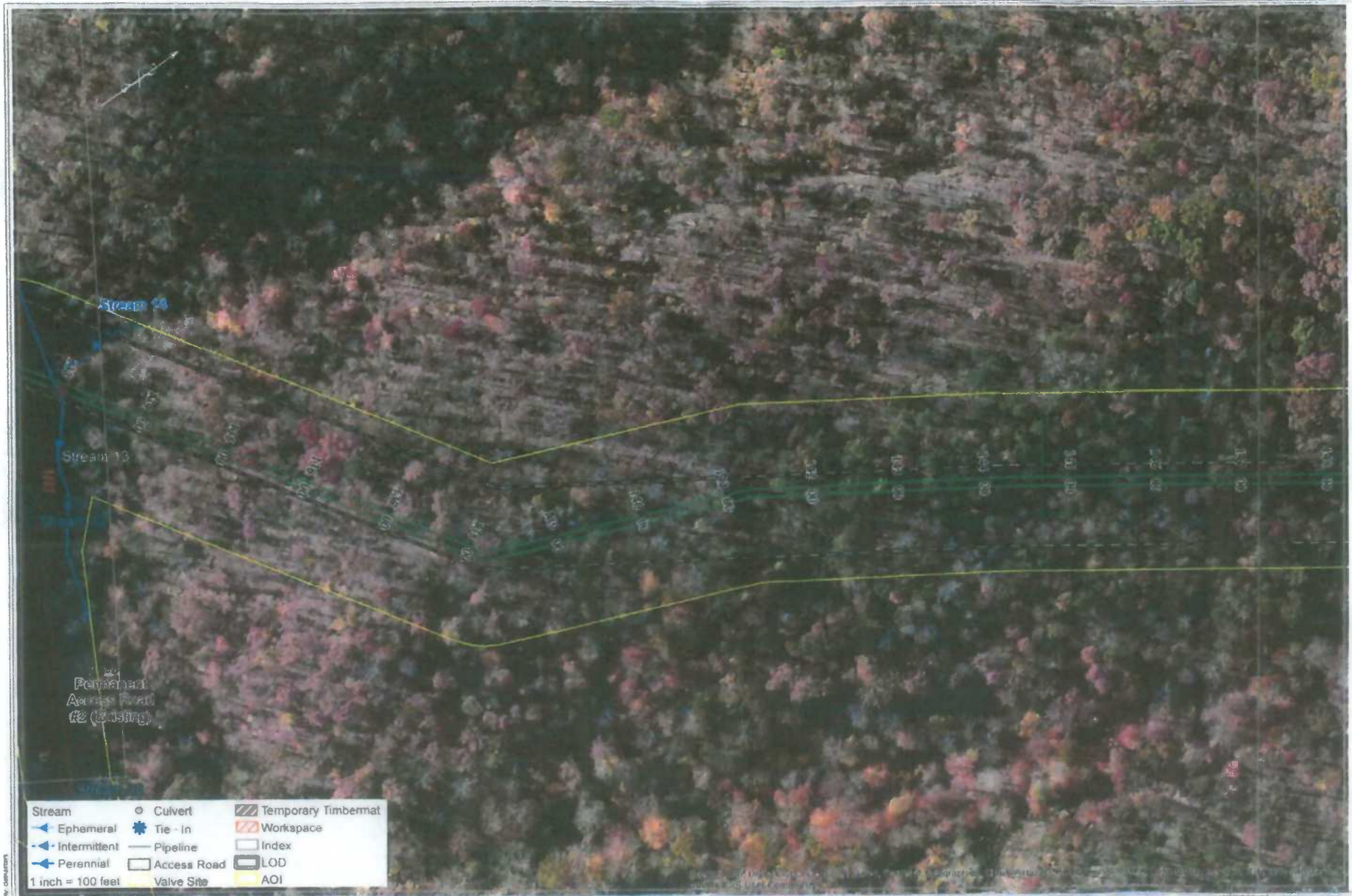
P-14-VI/09-1717



THRASHER
11/20/2014

Figure 2.8: Potentially Jurisdictional Features
Smith Pipeline
Dodgeville County, West Virginia





Stream	○ Culvert	▨ Temporary Timbermat
← Ephemeral	⊕ Tie - In	▨ Workspace
← Intermittent	— Pipeline	□ Index
← Perennial	□ Access Road	▨ LOD
1 inch = 100 feet	□ Valve Site	▨ AOI

Figure 2.9: Potentially Jurisdictional Features
Smith Pipeline
Doddridge County - West Virginia



DIVISION OF NATURAL RESOURCES
324 4th Avenue, Room 200
South Charleston, West Virginia 25303-1228
Telephone 304-558-3225
Fax 304-558-6048
TDD 304-558-1439
TDD 800-354-6087

Earl Ray Tomblin
Governor

Robert A. Fala
Director

January 20, 2015

Division of Natural Resources
RIGHT OF ENTRY

Re: LS-14-VI/09-1718

Antero Midstream LLC
c/o The Thrasher Group Inc.
Attention: Don Drennen
600 White Oaks Blvd. PO Box 940
Bridgeport, WV 26330-

Dear Sir or Madam:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry to install, use and maintain a timber mat crossing (Smith Pipeline Project) at five (5) separate locations along unnamed tributaries of Long Run near West Union in Doddridge County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any streambed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year year flood flow.
7. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

Antero Midstream LLC
LS-14-VI/09-1718
Page 2
January 20, 2015


8. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
9. Durable head walls of logs, crossties, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
10. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity for you to obtain a permit from the U.S. Corps of Engineers District Office, Permit Section, or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your payment is now due and payable in the amount of \$500.00 to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full. You must notify this office in writing when this installation has been removed.

Sincerely,


Joe T. Scarberry, Supervisor
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist
Jeremy Bandy, Environmental Enforcement
DNR Conservation Officers

West Virginia Division of Natural Resources

Invoice

Pay on-line at <http://wvdnr.gov/REM>

In
Acct
With

Antero Midstream LLC
Attention: Accounts Payable (Brett Fletcher - Approver)
1615 Wynkoop Street
Denver , CO 80202

Invoice#: 22644
Comp. ID#: 5928
Bill Date: 01/21/2015

AGREEMENT	INVOICE PERIOD	AMOUNT PAID	AMOUNT DUE
<u>AGREEMENT DATED 1/20/2015</u> <u>P-14-VI/09-1717</u> Ten (10) locations two (2) twenty inch (20") steel gas pipelines (Smith Pipeline Project) Hugle Run, Mudlick Run and unnamed tributaries of Long Run, Doddridge Co., WV	For 1/20/2015 to 1/20/2025 Land and Streams/DNR	\$0.00	\$5500.00
<u>AGREEMENT DATED 1/20/2015</u> <u>LS-14-VI/09-1718</u> Five (5) timber mat crossings (Smith Pipeline Project) unnamed tributaries of Long Run, Doddridge Co., WV	For 1/20/2015 to 1/20/2016 Land and Streams/DNR	\$0.00	\$500.00
TOTAL INVOICE:			\$6000.00
NUMBER OF AGREEMENTS:			2

15-270

Please Reference Either Invoice Number or Agreement Re: on Payment

WV Division of Natural Resources
Office of Land & Streams
324 Fourth Avenue, Room 200
South Charleston, WV 25303

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT

Nadine Hamilton (304) 558-3225
nadine.r.hamilton@wv.gov

RECEIVED



Drive 9.0 miles, 17 min

Directions from **Court St** to **Long Run**

○ Court St

West Union, WV 26456

Take **E Main St to WV-18 S**

0.3 mi / 1 min

↑ 1. Head **northeast** on **Columbia St** toward **W Main St**

269 ft

➤ 2. Take the 2nd right onto **E Main St**

0.2 mi

Take **US-50 W to Wilhelm Run Rd** in Pine

4.8 mi / 6 min

➤ 3. Turn **right** onto **WV-18 S**

0.5 mi

➤ 4. Turn **right** onto **US-50 W**

4.2 mi

Follow **Duckworth Rd** and **Long Run** to your destination

3.9 mi / 10 min

➤ 5. Turn **right** onto **Wilhelm Run Rd**

0.1 mi

↶ 6. Take the 1st left onto **Duckworth Rd**

2.1 mi

↷ 7. Slight **right** onto **Long Run**

1.6 mi

↶ 8. Slight **left**

0.1 mi

⊙ Long Run

West Union, WV 26456

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2014 Google

STATE OF WEST VIRGINIA,
COUNTY OF DODDRIDGE, TO WIT

I, Virginia Nicholson, Editor of THE
HERALD RECORD, a weekly newspaper
published regularly, in Doddridge County,
West Virginia, Do Hereby Certify
That the Accompanying Legal Notice
Entitled:

... Floodplain Permit
14-325

was published in said paper for ... 2

successive weeks beginning with the issue
of ... January 6th ... 2014 and
ending with the issue of

... January 13th ... 2014 and
that said notice contains ... 189

WORD SPACE at ... 115 ... cents a word
amounts to the sum of \$... 21.74

FOR FIRST PUBLICATION, SECOND
PUBLICATION IS 75% OF THE FIRST
PUBLICATION

\$ 16.31

and each publication thereafter

\$ 38.05 TOTAL

EDITOR

... Virginia Nicholson

SWORN TO AND SUBSCRIBED

BEFORE ME THIS THE ... 13th ... DAY
OF ... January ... 2014

NOTARY PUBLIC

... Laura J. Stickle

LEGAL ADVERTISEMENT:

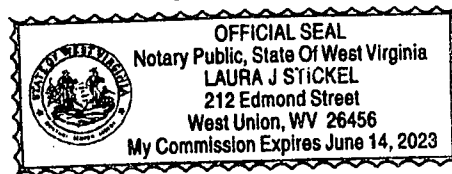
Doddridge County
Floodplain Permit Application

Please take notice that on the 19th day of December,
2014 Antero Resources filed an application for a
Floodplain Permit to develop land located at or about:
Central District 39.30114N/80.864855W to
39.327042N/80.842215W Permit #14-325 Smith Pipeline
The Application is on file with the Clerk of the County
Court and may be inspected or copied during regular
business hours. As this project is outside the FEMA
identified floodplain of Doddridge County, Doddridge
County Floodplain Management has no regulatory
authority. Any interested persons who desire to comment
shall present the same in writing by January 26, 2015.

Delivered to the:

Clerk of the County Court
118 E. Court Street, West Union, WV 26456
Beth A. Rogers, Doddridge County Clerk
Edwin L. "Bo" Wriston, Doddridge County Flood Plain
Manager

1-6-21b



The Doddridge Independent

The Doddridge Independent PUBLISHER'S CERTIFICATE

I, Michael D. Zorn, Publisher of The Doddridge Independent, A newspaper of general circulation published in the town of West Union, Doddridge County, West Virginia, do hereby certify that:

Please take notice that on the 19th day of December, 2014
Antero Resources
filed an application for a Floodplain Permit to develop land located at or about:
Central District
39.30114N/80.864855W to 39.327042N/80.842215W
Permit #14-325 Smith Pipeline

was published in The Doddridge Independent
2 times commencing on Friday, January 9, 2015 and
Ending on Friday, January 16, 2015 at the request of:

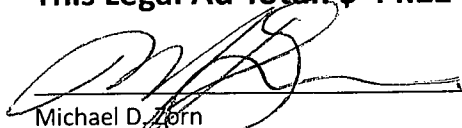
**Edwin Wriston, Doddridge County Floodplain
Manager & Doddridge County Commission**

Given under my hand this Tuesday, January 27, 2015

The publisher's fee for said publication is:

\$ 25.27 1st Run/\$ 18.95 Subsequent Runs

This Legal Ad Total: \$ 44.22


Michael D. Zorn
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on

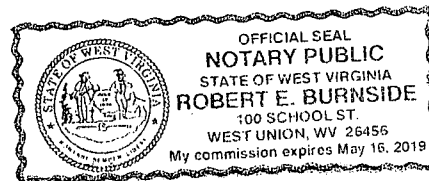
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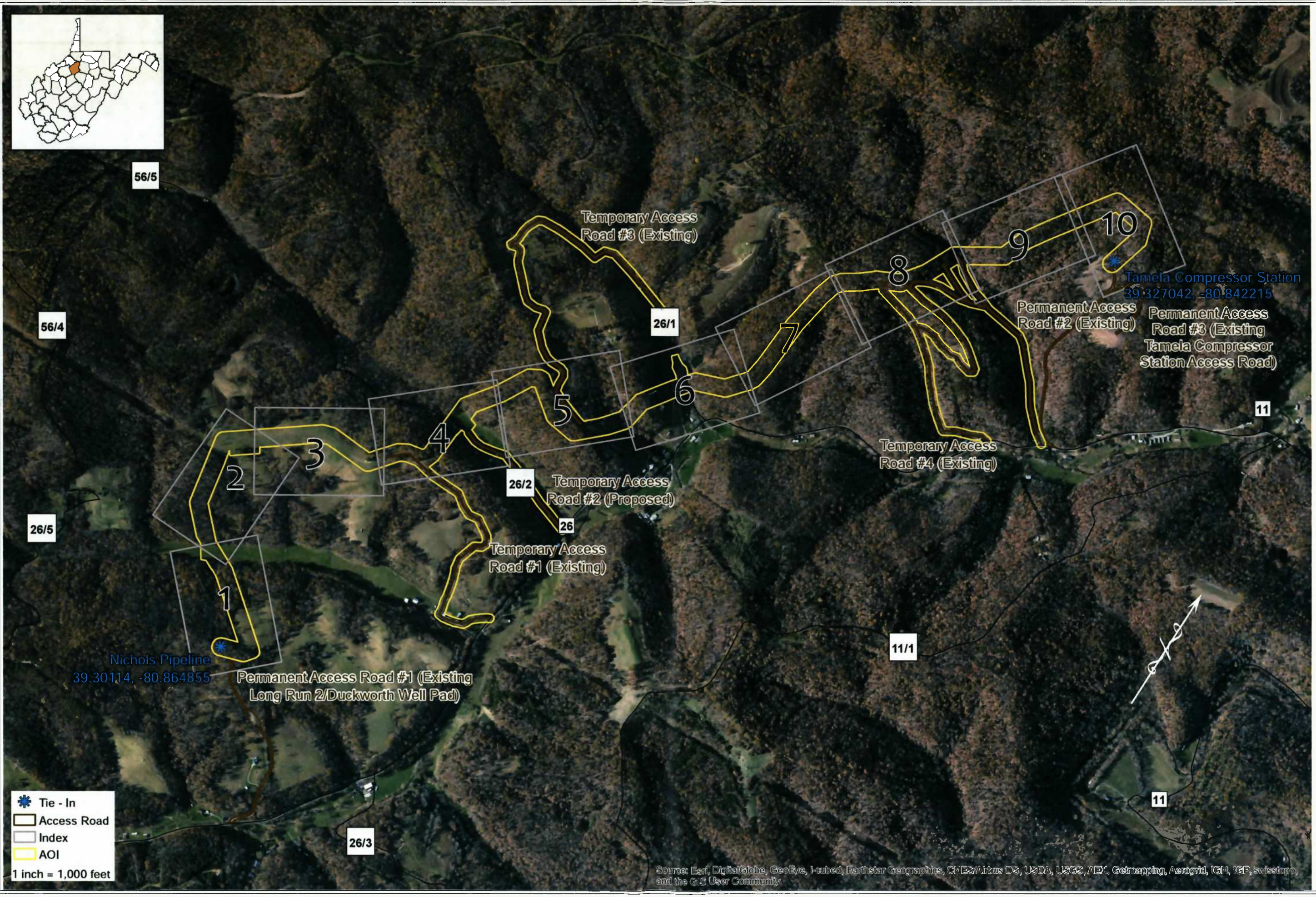
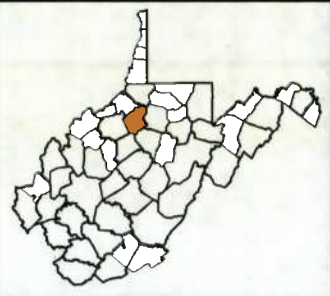

Notary Public in and for Doddridge County

My Commission expires on

The 16 day of MAY 2019

Legal Advertisement: 1/9-1/16
Doddridge County
Floodplain Permit Application
Please take notice that on the 19th day of December, 2014
Antero Resources
filed an application for a Floodplain Permit to develop land located at or
about:
Central District
39.30114N/80.864855W to 39.327042N/80.842215W
Permit #14-325 Smith Pipeline
The Application is on file with the Clerk of the County Court and may be
inspected
or copied during regular business hours. Any interested persons who
desire to
comment shall present the same in writing by January 26, 2015, delivered
to:
Clerk of the County Court
118 E. Court Street, West Union, WV 26456
Beth A Rogers, Doddridge County Clerk
Edwin L. "Bo" Wriston, Doddridge County Flood Plain Manager





By: clemasters

THRASHER

11/20/2014

Figure 2.0: Potentially Jurisdictional Features Index
Smith Pipeline
Doddridge County - West Virginia



Source: Esri, DigitalGlobe, GeoEye, I-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

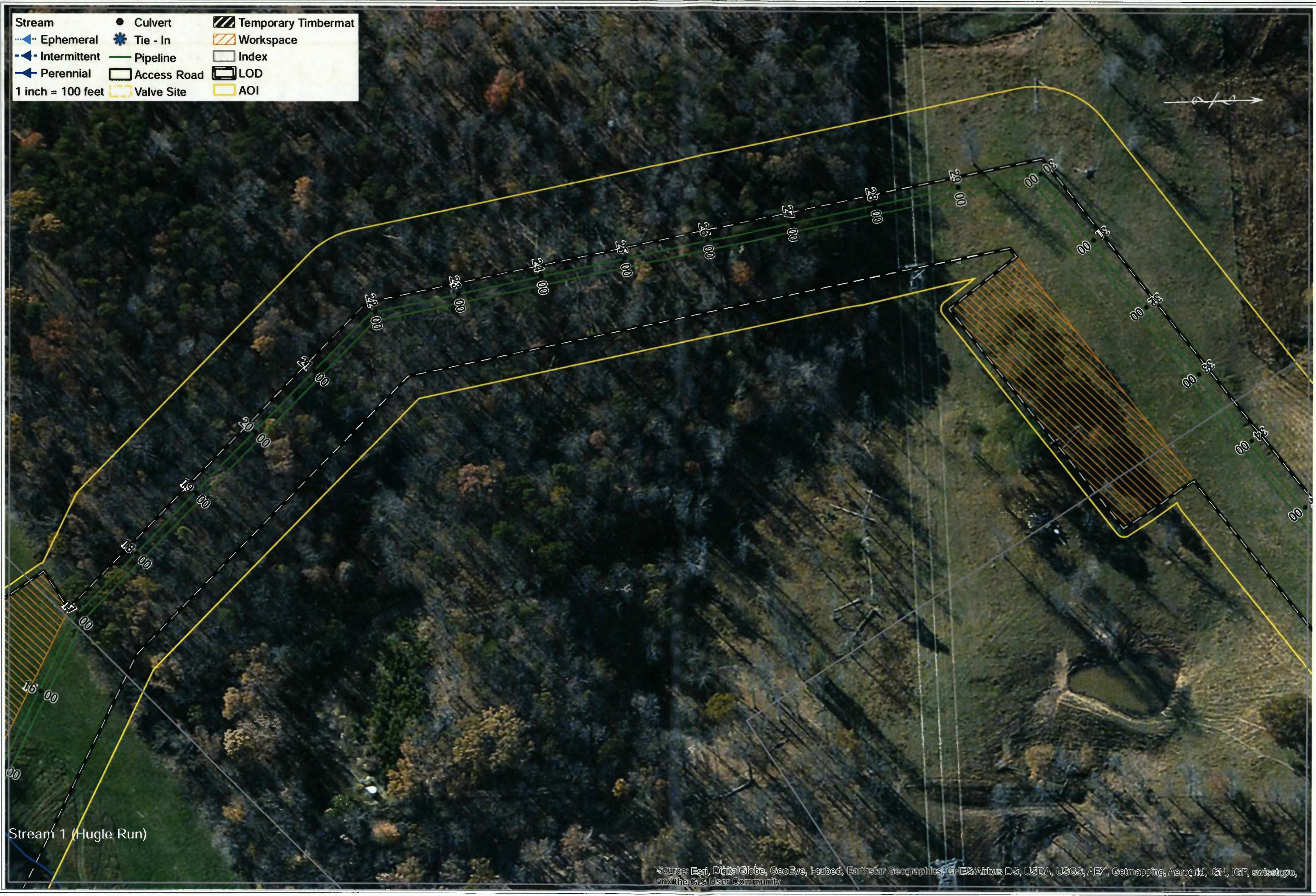


By: clemasters

Figure 2.1: Potentially Jurisdictional Features

Smith Pipeline

Doddrige County - West Virginia



Stream	● Culvert	▨ Temporary Timbermat
⋯ Ephemeral	⊛ Tie - In	▨ Workspace
⋯ Intermittent	— Pipeline	□ Index
⋯ Perennial	□ Access Road	▭ LOD
1 inch = 100 feet	□ Valve Site	□ AOI

Stream 1 (Hugle Run)

By: demasters

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEM, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.2: Potentially Jurisdictional Features
Smith Pipeline
Doddridge County - West Virginia

THRASHER

11/20/2014



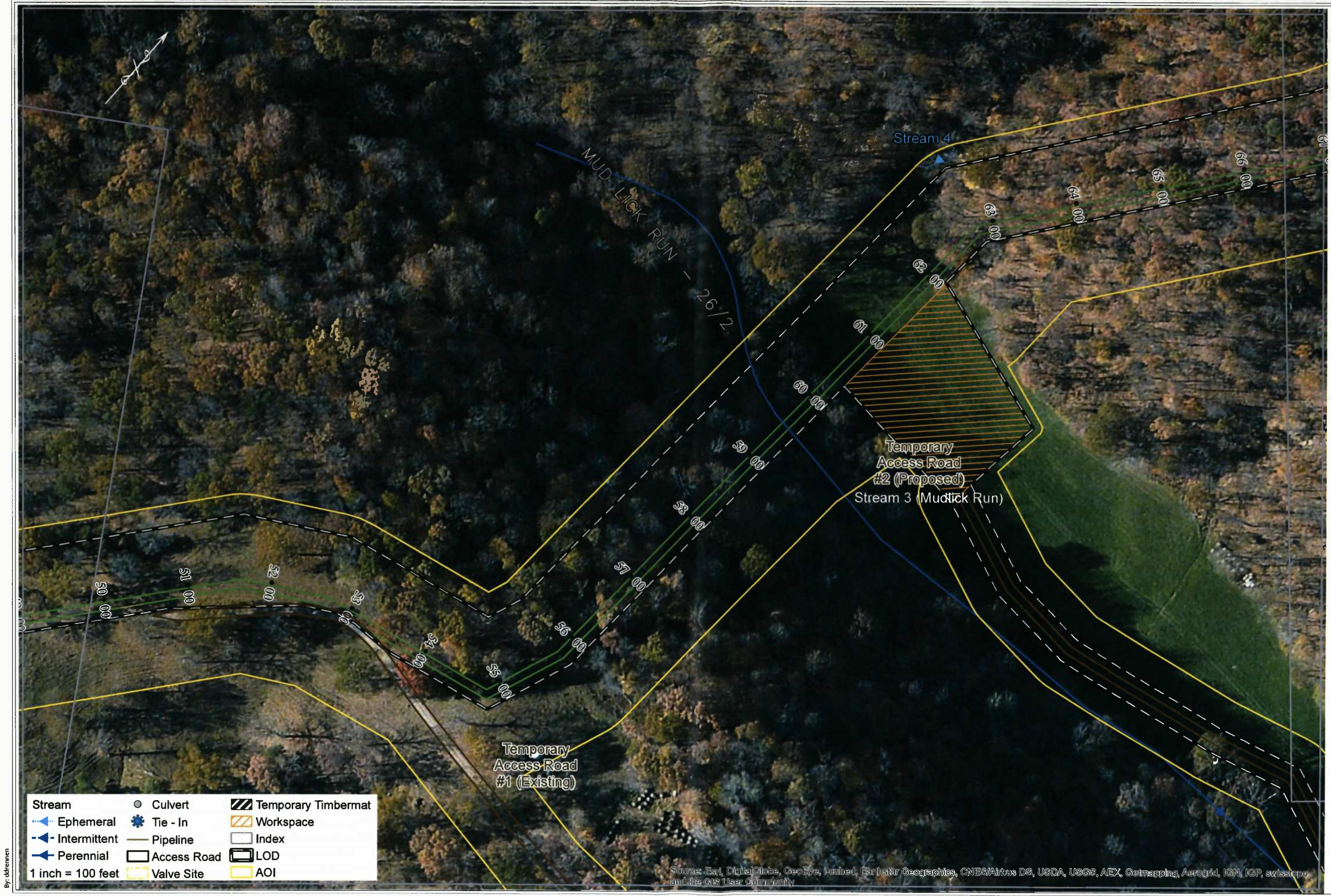


By: clemasters

Stream	○ Culvert	▨ Temporary Timbermat
⋯ Ephemeral	* Tie - In	▨ Workspace
- - Intermittent	— Pipeline	□ Index
— Perennial	□ Access Road	□ LOD
1 inch = 100 feet	□ Valve Site	□ AOI

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.3: Potentially Jurisdictional Features
Smith Pipeline
Doddridge County - West Virginia



By: ddrennen

Stream	○ Culvert	▨ Temporary Timbermat
● Ephemeral	⊕ Tie - In	▨ Workspace
— Intermittent	— Pipeline	□ Index
— Perennial	□ Access Road	□ LOD
1 inch = 100 feet	□ Valve Site	□ AOI

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.4: Potentially Jurisdictional Features

THRASHER

Smith Pipeline
Doddridge County - West Virginia



12/4/2014



By: clemasters

Stream	● Culvert	▨ Temporary Timbermat
— Ephemeral	✱ Tie - In	▨ Workspace
— Intermittent	— Pipeline	□ Index
— Perennial	□ Access Road	□ LOD
1 inch = 100 feet	□ Valve Site	□ AOI

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.5: Potentially Jurisdictional Features
Smith Pipeline
Doddrige County - West Virginia



By: clemasters

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.6: Potentially Jurisdictional Features

Smith Pipeline

Doddrige County - West Virginia



By: clemasters

Source: Esri, DigitalGlobe, GeoEye, iSat, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.7: Potentially Jurisdictional Features

Smith Pipeline
Doddridge County - West Virginia

THRASHER



11/20/2014

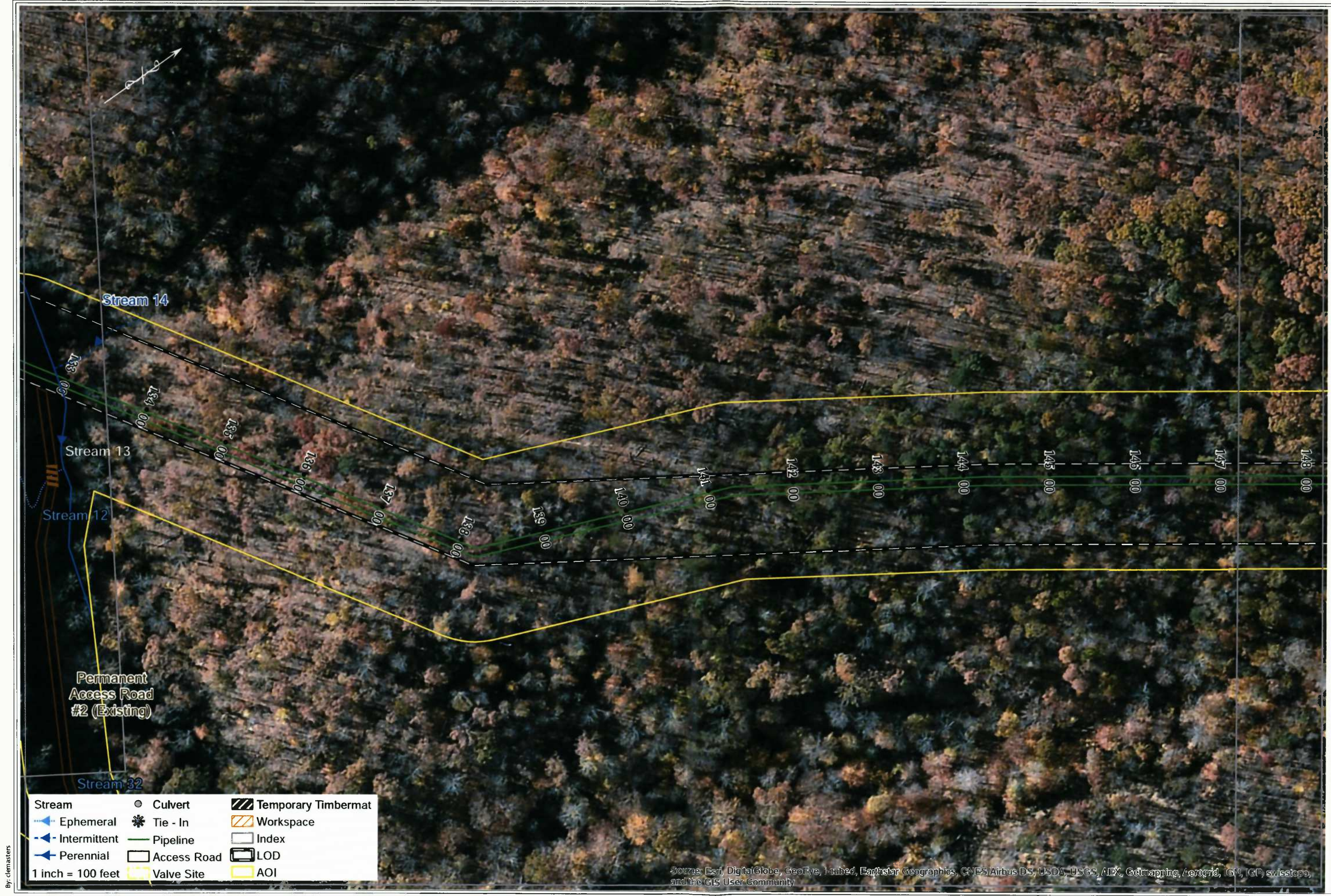


By: clemasters

Stream	● Culvert	▨ Temporary Timbermat
⚡ Ephemeral	⚙ Tie - In	▨ Workspace
⚡ Intermittent	— Pipeline	□ Index
⚡ Perennial	□ Access Road	□ LOD
1 inch = 100 feet	□ Valve Site	□ AOI

Source: Esri, DigitalGlobe, GeoEye, iSat, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.8: Potentially Jurisdictional Features
Smith Pipeline
Doddridge County - West Virginia



By: clemasters

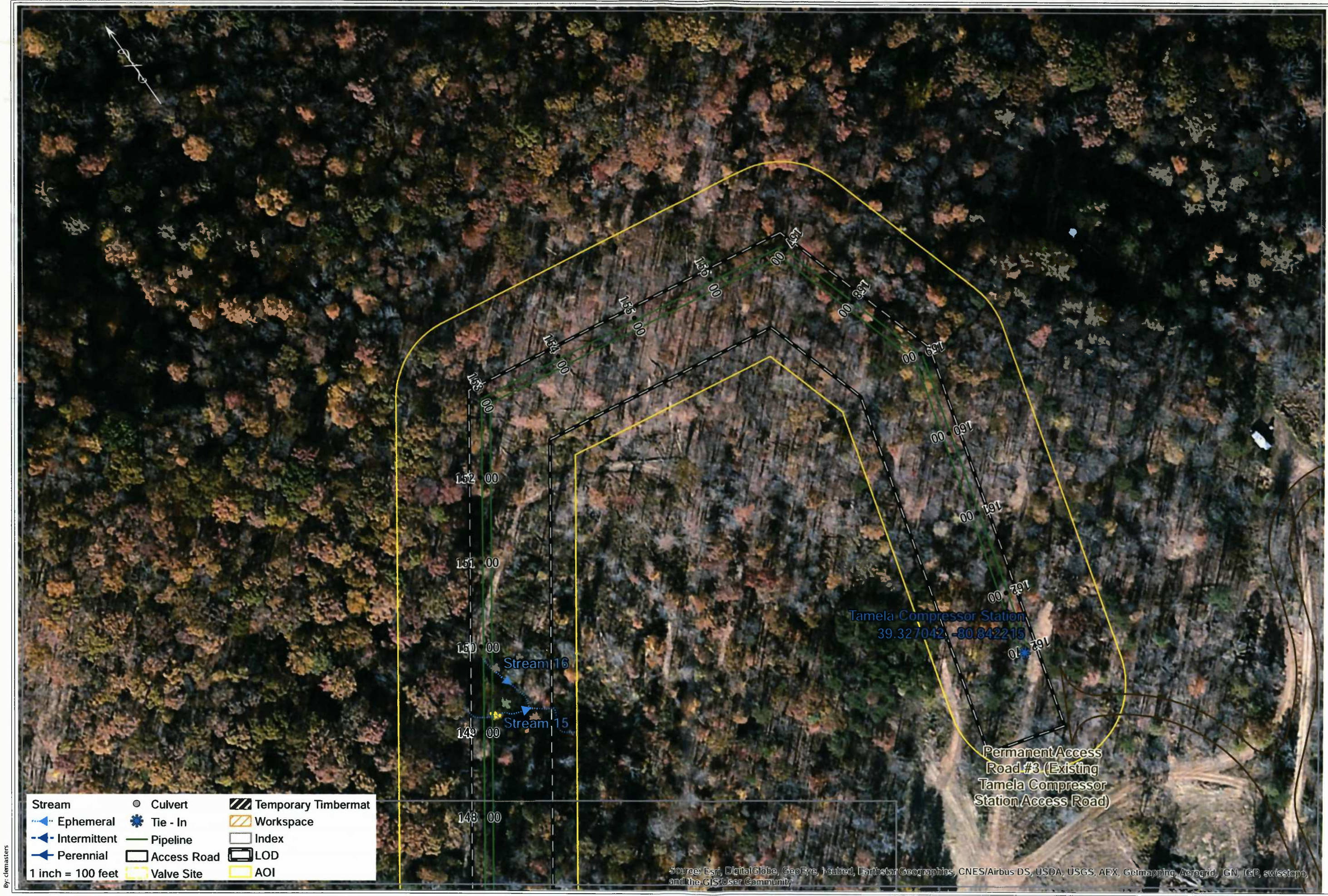
Stream	○ Culvert	▨ Temporary Timbermat
— Ephemeral	* Tie - In	▨ Workspace
— Intermittent	— Pipeline	□ Index
— Perennial	□ Access Road	□ LOD
1 inch = 100 feet	□ Valve Site	□ AOI

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.9: Potentially Jurisdictional Features
Smith Pipeline
Doddridge County - West Virginia



11/20/2014



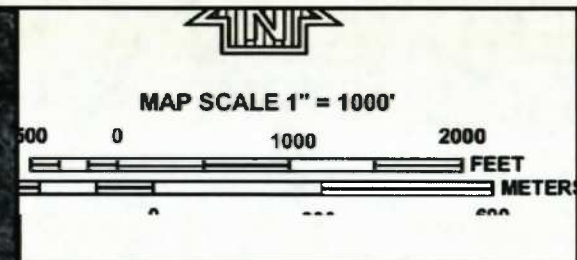
By: clemasters

Stream	○ Culvert	▨ Temporary Timbermat
⋯ Ephemeral	⊛ Tie - In	▨ Workspace
- - Intermittent	— Pipeline	□ Index
— Perennial	□ Access Road	□ LOD
1 inch = 100 feet	□ Valve Site	□ AOI

Source: Esri, DigitalGlobe, GeoEye, AeroMap, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Figure 2.10: Potentially Jurisdictional Features

Smith Pipeline
Doddridge County - West Virginia



DODDRIDGE COUNTY

TYLER COUNTY

DODDRIDGE COUNTY

DC UNINC

LAT: 39.327042° N
LON: 80.842215° W

ACCESS ROAD

PROPOSED SMITH PIPELINE

ACCESS ROAD

ZONE A

OILWELL RD

Long Run

Annott Creek

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0105C


FIRM
FLOOD INSURANCE RATE MAP
DODDRIDGE COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS

PANEL 105 OF 325
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540105C	0105	C

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



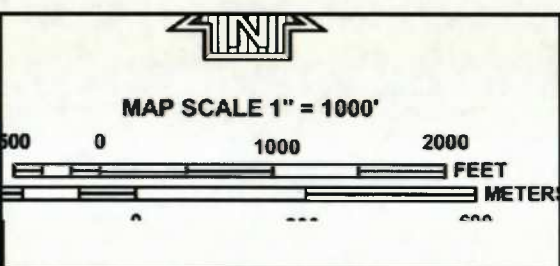
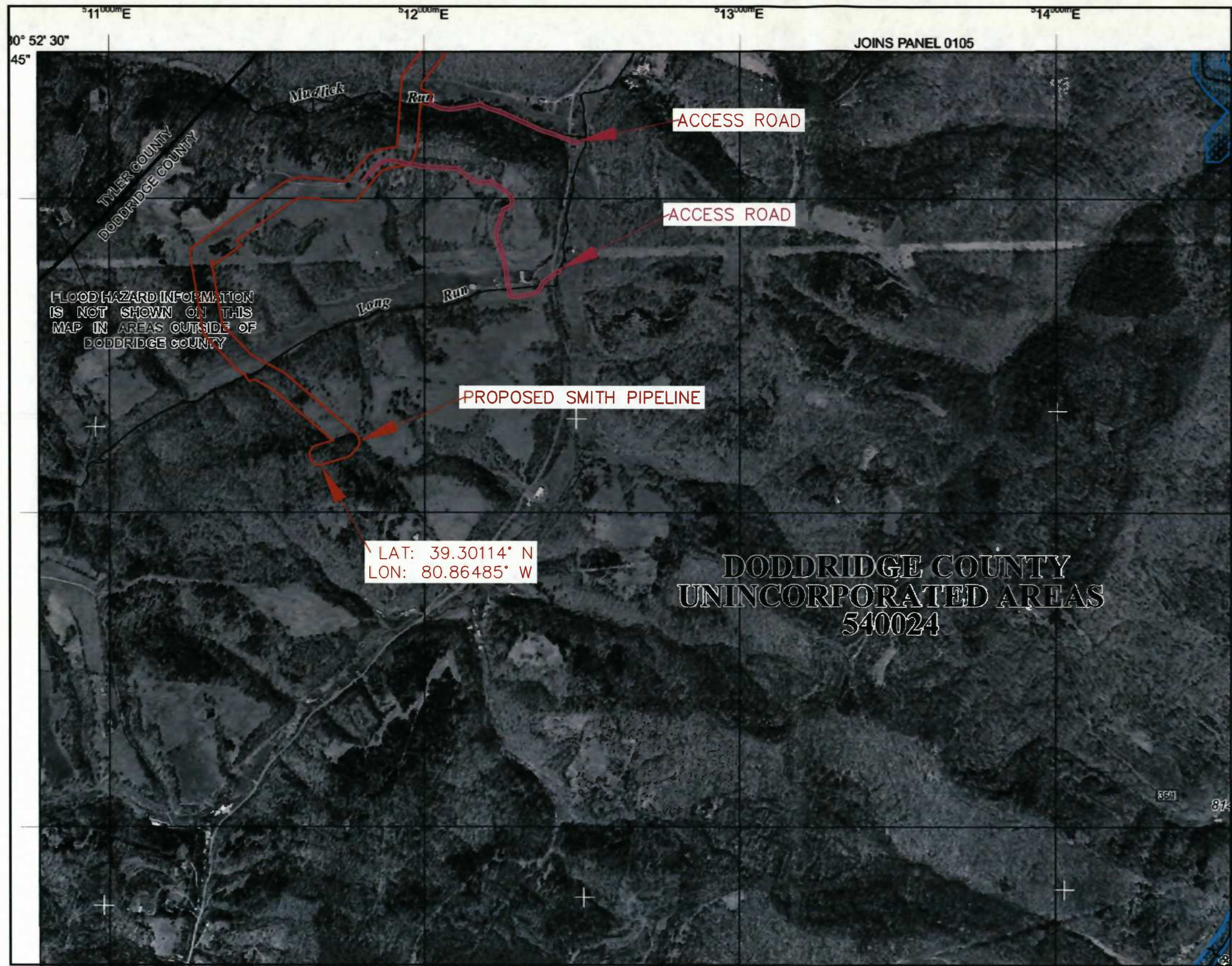
MAP NUMBER
54017C0105C
MAP REVISED
OCTOBER 4, 2011
Federal Emergency Management Agency

1585000 FT

1590000 FT

JOINS PANEL 0115

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF DODDRIDGE COUNTY

LAT: 39.30114° N
LON: 80.86485° W

**DODDRIDGE COUNTY
UNINCORPORATED AREAS
540024**

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0115C


FIRM
FLOOD INSURANCE RATE MAP
DODDRIDGE COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS

PANEL 115 OF 325
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0115	C

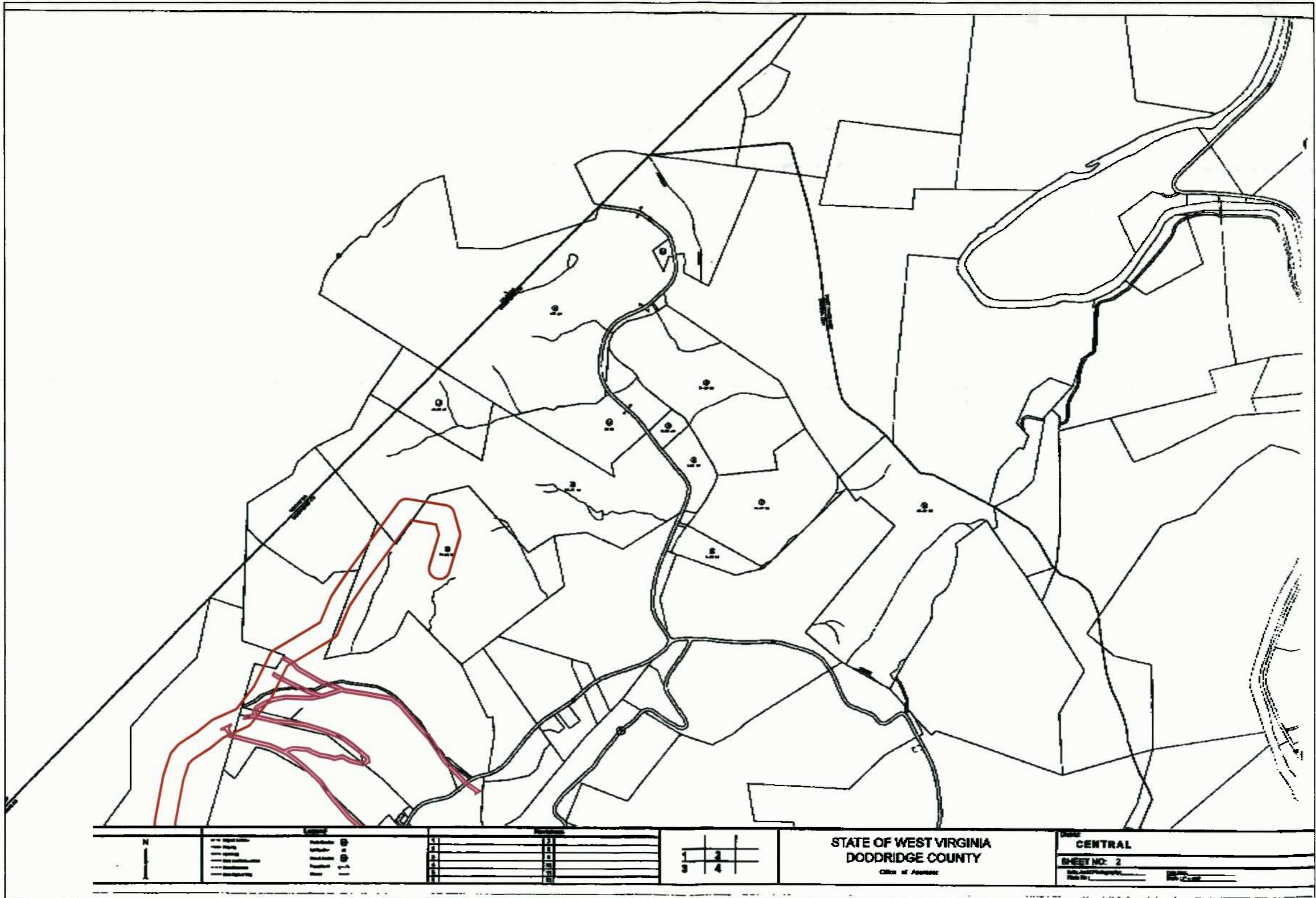
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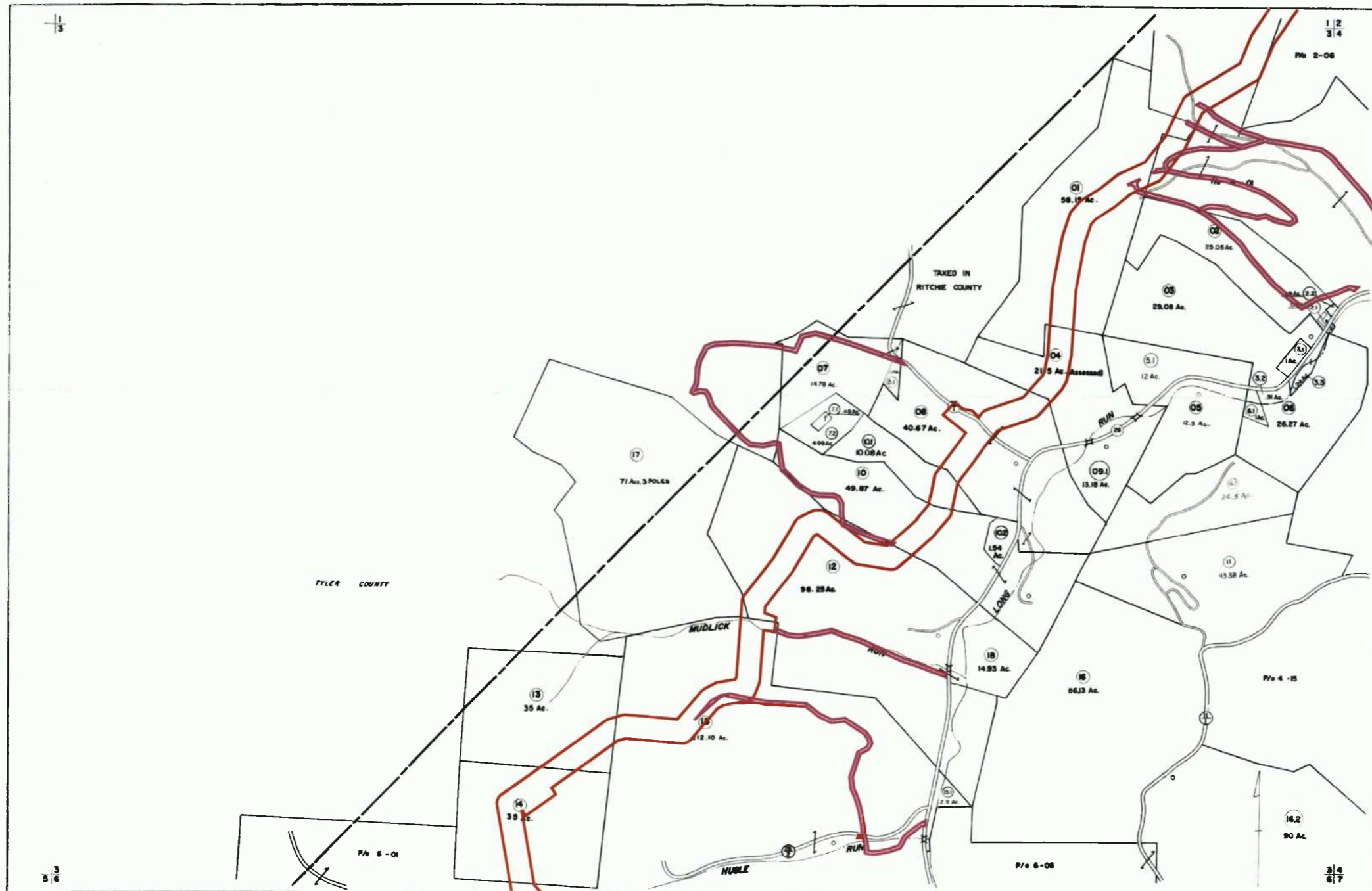


MAP NUMBER
54017C0115C
MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov





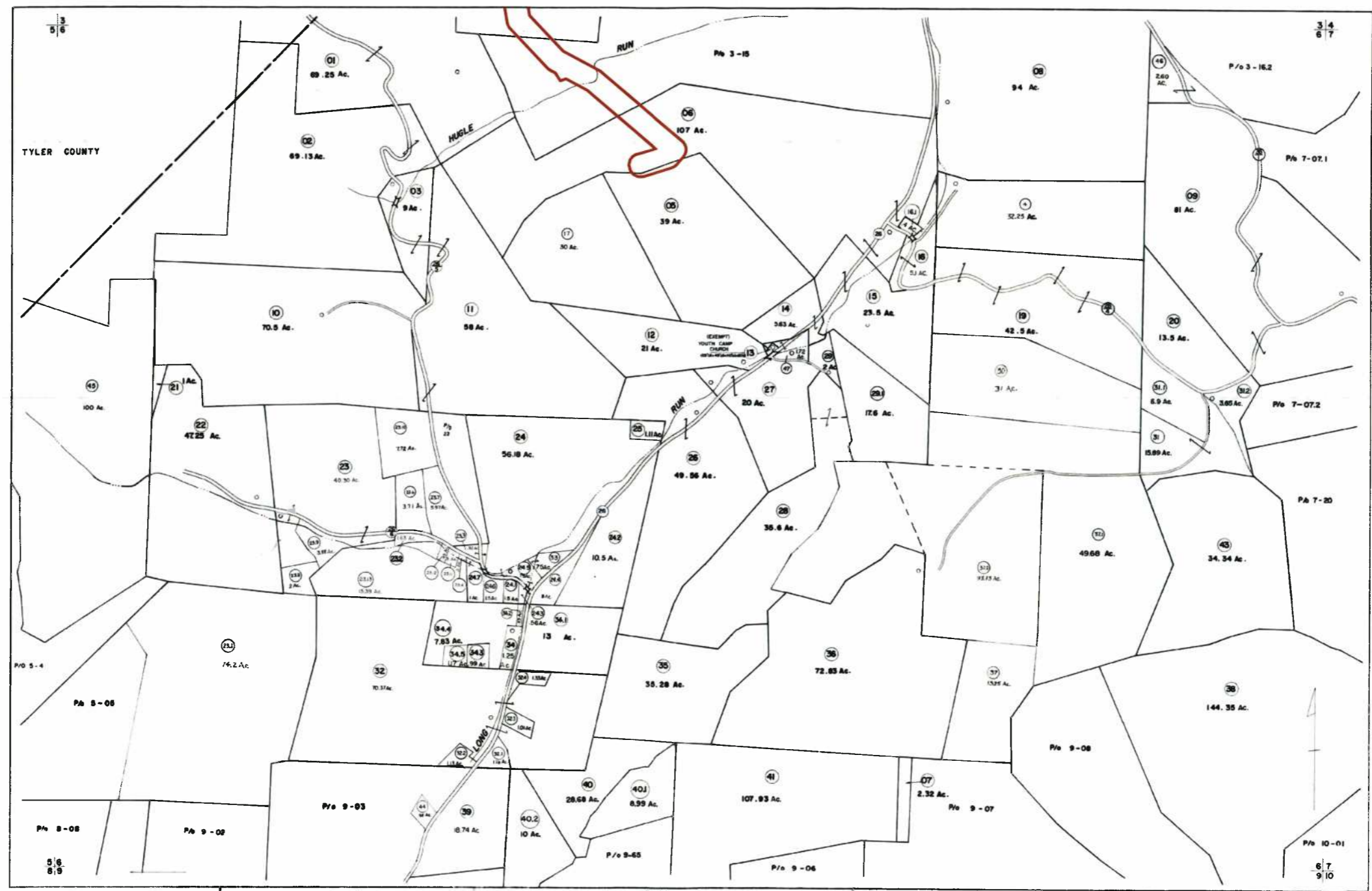
FOR TAX PURPOSES ONLY
 Prepared by
L. ROBERT KIMBALL
 Consulting Engineer
 Ebensburg, Pennsylvania

Legend	
Property line	Original lot line
Edge of pavement or roadway	Deed lot number or portion
Corporation line	Parcel or index number when appropriate
Division line	Improvement
Center line	Sublot

Revisions	
REVISED 3/9/84	OGIS 1-7-81
REVISED 5/1/84	OGIS 10-24-81
REVISED 1/26/72	OGIS 12-8-82
REVISED 7/6	OGIS 8-33
REVISED 7/6	OGIS 8-33
TO REVISE C.P.	OGIS 1-23-88
REV TO 7-1-84	OGIS 2/18/88
REV TO 7-1-84	OGIS 3/08/88

STATE OF WEST VIRGINIA
 DODDRIDGE COUNTY
 Office of Assessor

CENTRAL DISTRICT
 SHEET 03
 Date: Aerial Photography APRIL, 1968
 Photo No. 04, 198
 Date: Map, JAN, 1963
 Scale: 1" = 400'



FOR TAX PURPOSES ONLY
 Prepared by
L. ROBERT KIMBALL
 Consulting Engineer
 Ebensburg, Pennsylvania

Legend	
Property line	Original lot line
Map of amount or number	Deed lot number
Corporate line	Forest or reded number
District line	Improvement
County line	Quarrel

Revisions	
REVISED 3/2/66	...
REVISED 6/21/66	...
REVISED 1/20/72	...
REVISED 12/2/76	...
REVISED 1-23-98	...
REVISED TO 7-1-84	...

STATE OF WEST VIRGINIA
 DODDRIDGE COUNTY
 Office of Assessor

CENTRAL DISTRICT
 SHEET 06
 Date: Aerial Photography APRIL, 1962
 Photo No. 176, 176, 176
 Plan. Map. J.M.E., 1943
 Scale: 1"=400'

**Smith Pipeline Project
Surface Owners Table**

Temporary Access Road 4

Surface Owners within Floodplain

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1	SHEPHERD HOLDING CO INC	RT 1 BOX 721, GREENWOOD, WV 26415		196	654	ARNOLDS CK THREE TRS 102.19 AC

Adjacent Surface Owner (Upstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	3	2	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		281	577	LONG RUN OF ARNOLDS CREEK 25.05 AC
CENTRAL	1	3	2.2	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		277	114	LONG RUN .29 AC

Adjacent Surface Owners (Downstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1.3	SHEPHERD MICHAEL	RT 1 BOX 721, PENNSBORO, WV 26415		280	636	ARNOLDS CK 7.64 AC
CENTRAL	1	4	1.4	SHEPHERD MELISSA A	RT 1 BOX 723, GREENWOOD, WV 26415		278	718	LONG RUN .88 AC

Permanent Access Road 2

Surface Owners within Floodplain

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1	SHEPHERD HOLDING CO INC	RT 1 BOX 721, GREENWOOD, WV 26415		196	654	ARNOLDS CK THREE TRS 102.19 AC

Adjacent Surface Owner (Upstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	4	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415	RT 26	277	116	LONG RUN 103.4 SQ RDS .65 AC

Adjacent Surface Owners (Downstream)

DIST NAME	DIST	MAP	PAR	OWNER	ADDRESS	LOC	BOOK	PAGE	LEGAL DESC
CENTRAL	1	4	1.1	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		277	116	L RUN OF ARNOLDS CK 9.37 AC
CENTRAL	1	4	1.2	SHEPHERD FERN A	5188 LONG RUN RD, PENNSBORO, WV 26415		280	640	LONG RUN 4.41 AC



Drive 9.0 miles, 17 min

Directions from **Court St** to **Long Run**

○ Court St

West Union, WV 26456

Take **E Main St** to **WV-18 S**

0.3 mi / 1 min

↑ 1. Head **northeast** on **Columbia St** toward **W Main St**

269 ft

↗ 2. Take the 2nd **right** onto **E Main St**

0.2 mi

Take **US-50 W** to **Wilhelm Run Rd** in Pine

4.8 mi / 6 min

↗ 3. Turn **right** onto **WV-18 S**

0.5 mi

↗ 4. Turn **right** onto **US-50 W**

4.2 mi

Follow **Duckworth Rd** and **Long Run** to your destination

3.9 mi / 10 min

↗ 5. Turn **right** onto **Wilhelm Run Rd**

0.1 mi

↖ 6. Take the 1st **left** onto **Duckworth Rd**

2.1 mi

↗ 7. Slight **right** onto **Long Run**

1.6 mi

↖ 8. Slight **left**

0.1 mi

⊙ Long Run

West Union, WV 26456

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results; and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2014 Google