

# Commercial/Industrial Floodplain Development Permit

## Doddridge County, WV Floodplain Management

This permit has been issued to **Antero Resources**, and is for the approved commercial and/or industrial development project associated with this permit 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: #14-257 ~ Antero Resources ~ Trent Tank Pad to Wagner Tank  
Pad Surface Waterline**

**Date Approved: 08/14/2014**

**Expires: N/A**

**Issued to: Antero Resources**

**POC: Emily Kijowski  
303-357-7310**

**Company Address: 1615 Wynkoop Street  
Denver, CO 80202**

**Project Address: Greenbrier District  
Lat/Long: 39.208758N/80.629920W to 39.212318N / 80.604306W**

**Purpose of development: Surface waterline construction. Project does not impact floodplain.**

**Issued by: Edwin L. 'Bo' Wriston, Doddridge County FPM (or designee)**

**Date: 08/14/2014**

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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

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Legal Advertisement:  
Doddridge County  
Floodplain Permit Application

Please take notice that on the 11<sup>th</sup> day of August, 2014

**Antero Resources**

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

**Greenbrier District**

**39.208758N/80.629920W to 39.212318N / 80.604306**

**Permit #14-257 Trent Tank Pad to Wagner Tank Pad Surface Waterline**

(Note: This project is not within the floodplain)

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 **September 8, 2014**, 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

#14-257

FILED



2014 AUG 11 PM 2:00

August 8, 2014

BETH A. ROGERS  
COUNTY CLERK  
DODDRIDGE COUNTY, WV

Antero Resources  
1615 Wynkoop Street  
Denver, CO 80202  
Office 303.357.7310  
Fax 303.357.7315

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

Mr. Wriston:

Antero Resources Corporation (Antero) would like to submit a Doddridge County Floodplain permit application for our proposed Trent Tank Pad to Wagner Tank Pad Surface Waterline. Our project is located in Doddridge County. The proposed development within the floodplain consists of the site preparation and construction of waterline. The proposed waterline will be 2.13 miles long with a total Area of Interest of 84 acres. No impacts to jurisdictional waters are proposed from this project. Based on FEMA Flood Map 54017C0255C with an effective date of October 4, 2011, no portion of this of the project is located in an identified Flood Hazard Area.

Enclosed you will find the following:

- Doddridge County Floodplain Permit Application
- FIRM Map
- WV Flood Tool Map
- Design Plans/Agency Correspondence

If you have any questions please feel free to contact me at (303) 357-7232.

Thank you in advance.

Sincerely,

A handwritten signature in cursive script that reads "Emily Kijowski".

Emily Kijowski  
Permit Representative  
Antero Resources Corporation

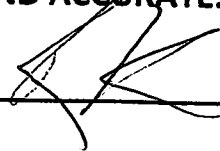
Enclosures

# 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



DATE August 8, 2014

## 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 - Randy Kloberdanz,

**ADDRESS:** 1615 Wynkoop Street, Denver, CO 80202

**TELEPHONE NUMBER:** Contact Emily Kijowski: (303)-357-7232

**BUILDER'S NAME:** Antero Midstream LLC  
**ADDRESS:** 1615 Wynkoop Strett, Denver, CO 80202  
**TELEPHONE NUMBER:** (303)-357-7310

**ENGINEER'S NAME:** Allstar Ecology  
**ADDRESS:** 1582 Meadowdale Road, Fairmont, WV, 26554  
**TELEPHONE NUMBER:** (866)-213-2666

**PROJECT LOCATION:**

**NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Please see attached Land Owner Information  
**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)** Please see attached Land Owner Information

**DISTRICT:** \_\_\_\_\_

**DATE/FROM WHOM PROPERTY**

**PURCHASED:** \_\_\_\_\_

**LAND BOOK DESCRIPTION:** Please see attached Land Owner Information

**DEED BOOK REFERENCE:** Please see attached Land Owner Information

**TAX MAP REFERENCE:** Please see attached Land Owner Information

**EXISTING BUILDINGS/USES OF PROPERTY:** None

**NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY** Please see attached Land Owner Information

**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**

<u>ACTIVITY</u>		<u>STRUCTURAL TYPE</u>	
X	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                      X    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 \$ N/A - Location is not within the floodplain**

**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:** N/A-No properties sharing an  
**ADDRESS:** immediate and common boundary  
up or down stream due to the  
location not being in floodplain

**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:** N/A-No properties sharing an  
**ADDRESS:** immediate and common boundary  
up or down stream due to the  
location not being in floodplain

**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.

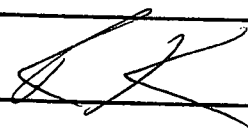
**Land Owner Information**

Land associated with this project is owned by Todd Alan and Roberta Devericks and Blaine W Jr. and Jacque Devericks (Greenbrier District, Map 10, Parcel 17), Junior Perine (Greenbrier District, Map 10, Parcel 15), William A, William E, Everett and James McClain, Barbara Campbell, Lenora Lattea, Mary Jean Calvert (Greenbrier District, Map 10, Parcel 14), Theresa Cutlip (Greenbrier District, Map 10, Parcel 20.1), Elizabeth and Edwin Cox and Theresa Cutlip (Greenbrier District, Map 10, Parcel 13), John and Carole Bunten and Karen McKinney (Greenbrier District, Map 10, Parcel 11), Clarence Jr. and Deborah Trent (Greenbrier District, Map 10, Parcel 18), John and Carole Bunten and Marshall Jr. and Judith Nestor (Greenbrier District, Map 10, Parcel 11), William Williamson (New Milton District, Map 13, Parcel 20), Franklin Fidler (Greenbrier District, Map 10, Parcel 26), Michael Messina (Greenbrier District, Map 10, Parcel 20.2), and Junior Perine (Greenbrier District, Map 10, Parcel 21).



- (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): \_\_\_\_\_

SIGNATURE:  \_\_\_\_\_ DATE: August 8, 2014

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:

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**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** \_\_\_\_\_

# 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 8/1/2014



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](http://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):

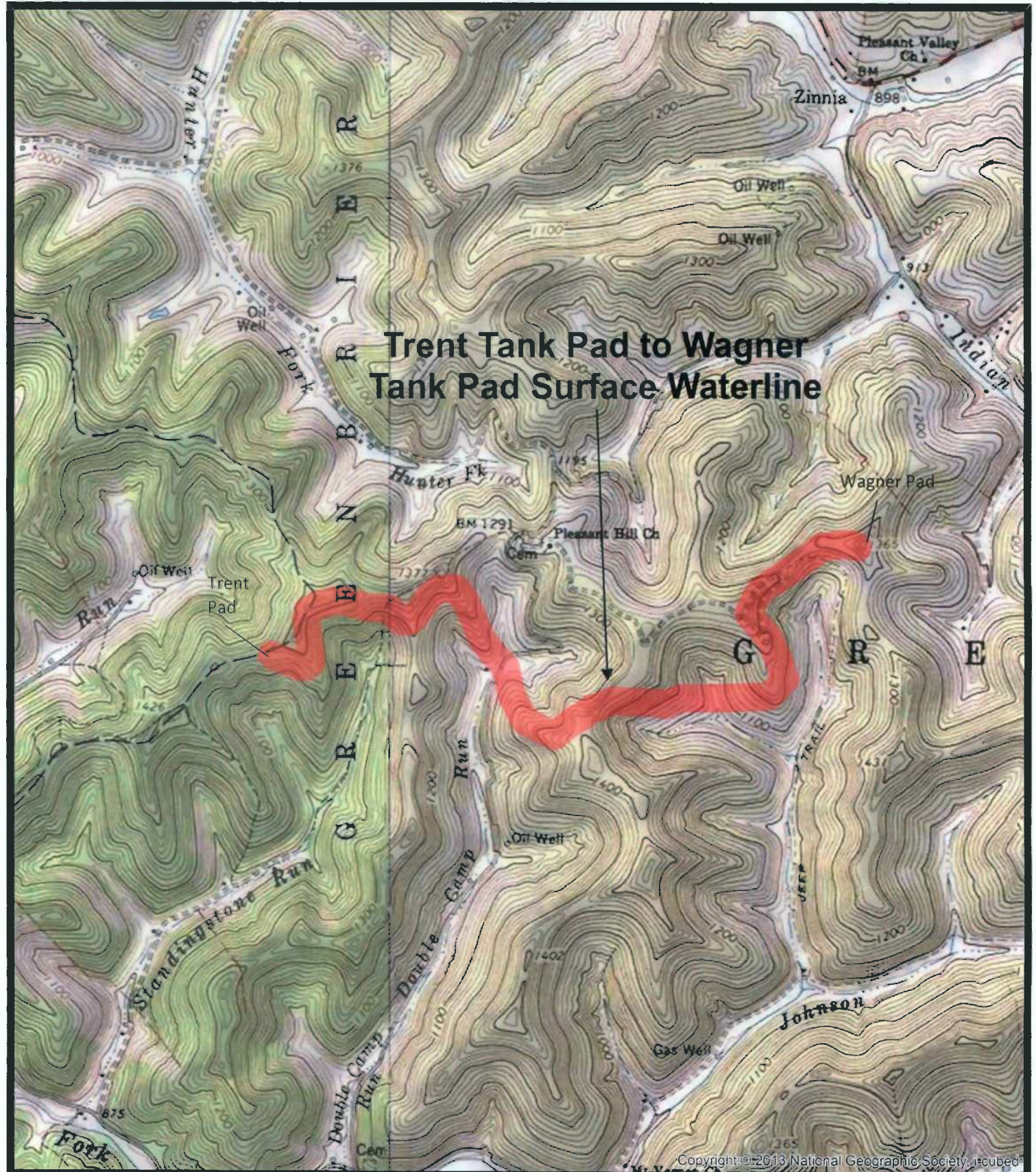
Location (UTM 17N):

FEMA Issued Flood Map:

Contacts:

CRS Information:

Parcel Number:



Copyright © 2013 National Geographic Society. Scubed

**Figure 1. Project Location Map**

**Trent Tank Pad to Wagner Tank Pad Surface Waterline**

39.206546°N, -80.616680°W

Portions of the New Milton and Big Isaac 7.5' Quadrangles

Prepared by:



1582 Meadowdale Road, Fairmont WV, 26554  
866-213-2666

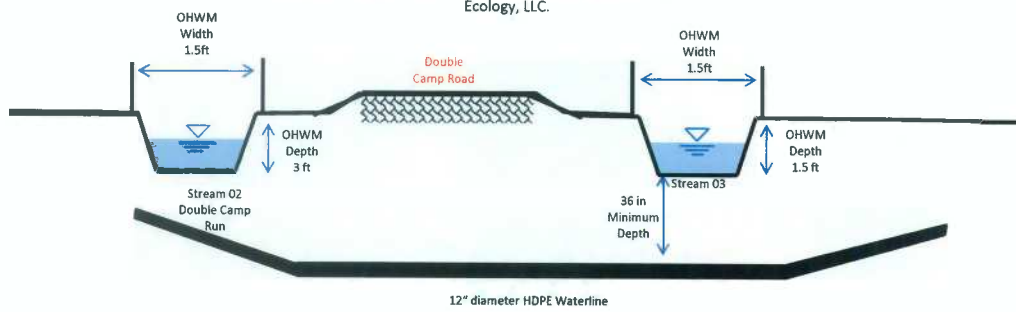
Prepared for:



**Figure 4.**  
**Stream & Road Bore Crossing**  
**Crossing #1 (Stream 02 and Stream 03)**  
**(39°12'30.611"N, 80°37'11.658"W)**



Excerpt from "Figure 2 Stream and Wetland Delineation Map" by AllStar Ecology, LLC.



Typical Stream Cross-Section

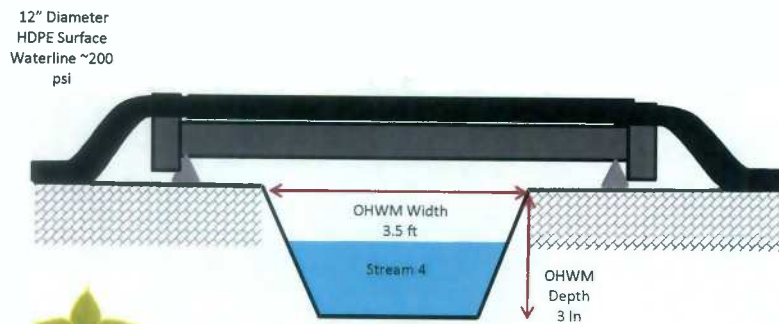
View Downstream  
 Not to Scale



Trent Tank Pad to Wagner Tank Pad Waterline  
Stream Crossing #2 (Stream 04)  
Stream 04 will be bridged above OHWM



Excerpt from "Jurisdictional Streams and Wetlands Map, Figure 2"  
by AllStar Ecology, LLC.



Typical Stream Cross-Section

View Downstream  
Not to Scale

## Attachment A. Agency Correspondence



**AllStar Ecology, LLC.**

**July 8, 2014**

**Delivery Method: US Mail**

Attn: Ms. Elizabeth Stout  
U.S. Fish and Wildlife Service  
West Virginia Field Office  
Ecological Services  
694 Beverly Pike  
Elkins, WV 26241

**Re: Threatened and Endangered Species Consultation  
Trent Tank Pad to Wagner Tank Pad Project  
Doddridge County, WV  
Antero Resources Corporation**

Dear Ms. Stout:

AllStar Ecology, LLC (ASE) is submitting this consultation on behalf of Antero Resources Corporation (Antero) for the Trent Tank Pad to Wagner Tank Pad Project. Please address any questions or comments regarding this consultation to:

Brett F. Fletcher  
Senior Environmental Scientist & Regulatory Manager  
Antero Resources  
1625 17<sup>th</sup> Street, Suite 300  
Denver, CO 80202  
(720) 666-2814  
[bfletcher@anteroresources.com](mailto:bfletcher@anteroresources.com)

**1.0 PROJECT DESCRIPTION**

Antero has proposed the construction of the Trent Tank Pad to Wagner Tank Pad Project in Doddridge County, WV. ASE completed a stream and wetland delineation of the site Area of Interest (AOI) which involves the proposed installation of a surface waterline between the Trent Tank Pad and the Wagner Tank Pad in Doddridge County, West Virginia (WV). Total area of the AOI is 84 acres with no proposed tree clearing (Figure 1).



## AllStar Ecology, LLC.

The coordinates to the approximate center of the proposed AOI are 39.206546°N, -80.616680°W located on the United States Geological Survey (USGS) topographical map of the New Milton and Big Isaac 7.5' Quadrangle (Figure 1). Directions to the site are as follows: From US-50W, take exit toward Downtown/Salem and take a right onto County Rd 50/73/ Main St for 1.2 miles. Continue onto South St. for 0.2 miles, Patterson Rd for 0.2 miles, Patterson Fork Rd. for 2.1 miles. Turn slightly left onto Co Rte 15/Sherwood-Greenbrier Rd. for 2.9 miles. Turn left onto Co Rte 46/2 and continue for 0.5 miles. Take a slight right onto Standing Stone Rd and continue on road for 1.9 miles.

The majority of the Trent Tank Pad to Wagner Tank Pad Surface Waterline AOI consisted of existing cleared right-of-way, wooded hillsides, and wooded ridgetops. The forested areas along the were dominated by sugar maple (*Acer saccharum*), tulip poplar (*Liriodendron tulipifera*), and red maple (*Acer rubrum*).

### 2.0 THREATENED AND ENDANGERED SPECIES IN RITCHIE COUNTY, WV

Rare, threatened, and endangered species located within Doddridge County, WV include the Indiana bat (*Myotis sodalis*), clubshell mussel (*Pleurobema clava*), and snuffbox mussel (*Epioblasma triquetra*) Rayed bean mussel (*Villosa fabalis*). (Table 1).

**Table 1. Threatened and Endangered Species Known to Occur in Doddridge County, WV**

Common Name	Scientific Name	Nearest Known Habitat (miles)	Status
Indiana Bat	<i>Myotis sodalis</i>	15.0 miles NE of AOI	Endangered
Snuffbox Mussel	<i>Epioblasma triquetra</i>	.8 miles Meathouse Fork	Endangered
Clubshell Mussel	<i>Pleurobema clava</i>	.8 miles to Meathouse fork	Endangered
Rayed bean Mussel	<i>Villosa fabalis</i>	7.4 miles to Middle Island Creek	Endangered

### 3.0 POTENTIAL THREATENED AND ENDANGERED SPECIES HABITAT IN PROJECT AOI

Indiana bats are restricted to underground hibernacula during winter, with preferred areas being caves located in karst areas. However, Indiana bats will also use other cave-like areas, mostly abandoned mine portals. During the summer, Indiana bats roost mainly under exfoliating bark on dead or nearly dead trees, but will also use crevices in trees as roost sites. They will also utilize live trees with exfoliating bark to a lesser extent, mostly hickory species (*Carya* spp.). They select larger trees, which provide more room for roosting and better thermal advantages. They also select trees which are either located near edges or extend above the surrounding trees as these trees provide more sunlight and are easier and



## AllStar Ecology, LLC.

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safer to approach. Spring and fall roosting areas are usually located near the hibernacula and are similar to summer roosting areas. Indiana bats prefer foraging areas, such as water bodies and open areas, to be near the roosting areas (USFWS Indiana Bat Recovery Plan, p. 51-69).

The snuffbox, rayed bean, and clubshell mussels require high-quality waters with gravel/cobble substrate and are most often found in runs slightly below riffles. They are found in streams and small to medium rivers. These mussels are extremely susceptible to pollution and siltation and require clear water (USFWS Endangered Species Page).

Within the Trent Tank Pad to Wagner Tank Pad AOI, Indiana bat habitat was considered marginal. No suitable snags were documented throughout the AOI. In addition, no potential habitat for bald eagles was located on or near the site. No caves or mine portals were found onsite.

### 4.0 PROPOSED IMPACTS

Based on the proposed operation to complete the waterline, no impacts to aquatic resources are anticipated from the Trent Tank Pad to Wagner Tank Pad Project. The project proposes no disturbance (Figure 2) to upland forests found onsite. Impacts to endangered bat species are not anticipated. Photos are provided documenting site cover types (Figure 3). Any stream crossings will be cribbed above the OHWM with the exception of Stream 2 and 3 which will be bored using horizontal directional boring. Wetlands will be avoided or bridged.

#### Habitat Impacts

There are no proposed impacts to either aquatic or terrestrial habitats. No impacts to rare, threatened, or endangered species are anticipated.

### 5.0 Avoidance and Minimization of Impacts

The Trent Tank Pad to Wagner Tank Pad Project was designed to avoid impacts to sensitive species and critical habitat. No streams or wetlands will be impacted by this project. Avoidance of tree removal will ensure no incidental take of Indiana bats.

#### Waterline Bore Contingency Plan

In an effort to minimize water body impacts Antero Resources is proposing to HDD and conventionally bore under jurisdictional aquatic features. In the unlikely event that boring fails or is abandoned, this statement will serve as a contingency



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## AllStar Ecology, LLC.

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plan. The USFWS and ACOE will be notified in the case of either remote situation and consulted with on the remediation process.

After an inadvertent return event, Antero will do the following:

- Consult with USFWS and DEP
- Immediately contain the returned material
- Secondary containment measures including silt fence, sand bags, turbidity curtains, water pumps and any other BMPs will be installed as necessary.
- A mussel investigation will promptly begin, as necessary.
- As a standard operating procedure, after approximately two (2) days, Antero will attempt to bore again.

In the event that subsequent boring will not be successful and must be abandoned, Antero proposes an open cut ditch crossing contingency under NWP #12.

### 6.0 SUMMARY

In our professional opinion, no impacts to sensitive species or habitat will occur during the construction of the Trent Tank Pad to Wagner Tank Pad Project. By avoiding tree clearing and impacts to aquatic resources, impacts to endangered species are not anticipated. We request concurrence with the above determinations from the USFWS.

Should you have any questions please do not hesitate to contact Brett Fletcher at (720) 666-2814 or [bfletcher@anteroresources.com](mailto:bfletcher@anteroresources.com). We appreciate your timely review of this request.

Sincerely,

Terry Burhans  
Environmental Scientist II  
AllStar Ecology, LLC.  
Cc: Brett F. Fletcher, Antero Resources

Enclosures (3):  
Figure 1- USGS Topographic Map  
Figure 2- Delineation Maps  
Figure 3- Habitat Photographs



**ALLSTAR ECOLOGY**  
Natural Resource Specialists

**AllStar Ecology, LLC.**

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Ms. Barbara Sargent  
W.V. Division of Natural Resources  
Natural Heritage Program  
PO Box 67  
Elkins, WV 26241

July 8, 2014

**RE: Trent Tank Pad to Wagner Tank Pad Surface Waterline Environmental Review**

Ms. Sargent,

Antero Resources Corporation has proposed the construction of the Trent Tank Pad to Wagner Tank Pad Surface Waterline in Doddridge County, West Virginia. This involves the installation of a 12 inch diameter high density polyethylene (HDPE) waterline with a maximum pressure of 200 pounds per square inch (psi) connecting the Trent Tank Pad to the Wagner Tank Pad. The project also involves horizontally directional drilling (HDD) under the Stream 2 and Stream 3. No tree clearing is proposed. The Area of Interest (AOI) totaled 84 acres.

Rare, threatened, and endangered species that are known to occur in Doddridge County, WV include the Indiana bat (*Myotis sodalis*), clubshell mussel (*Pleurobema clava*), rayed bean mussel (*Villosa fabalis*), and snuffbox mussel (*Epioblasma triquetra*). The proposed site was located 0.8 miles away from the buffer for the clubshell and snuffbox mussels and 7.4 miles away from the buffer for the rayed bean mussel. The site is 15 miles from buffers of any known terrestrial locations of rare, threatened, or endangered species. No caves or mine portals were observed on the site. Since no tree clearing will take place during the installation of the waterline, no impacts to Indiana bats are expected.

The proposed project is in the Middle Island Creek watershed. The Middle Island Creek (HUC# 05030201) is a traditional navigable waterway. Any stream crossings will be cribbed above the OHWM with the exception of Stream 2 and 3 which will be bored using HDD. Wetlands will be avoided or bridged. Disturbances to streams, streambeds and wetlands are not proposed; therefore impacts to freshwater mussels are not anticipated. Enclosed is a delineation map, site photo exhibit, as well as a location map of the project located on the USGS New Milton and Big Isaac Quadrangles.

Please contact me with any questions or concerns.

Thank you,

Terry Burhans  
AllStar Ecology, LLC  
858 243 9900 (direct line)  
[terry@allstarecology.com](mailto:terry@allstarecology.com)

cc: Amanda Fernley - Antero  
Cole Kilstrom - Antero  
Brett Fletcher - Antero  
1615 Wynkoop Street  
Denver, CO 80202

AllStar Ecology, LLC  
1582 Meadowdale Road, Fairmont, WV 26554  
Phone/Fax: 1-866-213-2666  
[www.allstarecology.com](http://www.allstarecology.com)



**AllStar Ecology, LLC.**

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July 11, 2013

Office of Land and Streams  
Building 74, Room 200  
324 Fourth Avenue  
South Charleston, WV 25303

**RE: Trent Tank Pad To Wagner Tank Pad Surface Waterline Stream Activity Permit Application**

Antero Resources Corporation has proposed the construction of the Trent Tank Pad to Wagner Tank Pad Surface Waterline Project. This involves the installation of a 12 inch high density polyethylene in Doddridge County, West Virginia. Attached with this letter is the Stream Activity Application for the proposed stream crossings at the Trent Tank Pad to Wagner Tank Pad Surface Waterline Project. Also included is a project location map, and cross-sectional drawing for the proposed stream crossings.

The proposed stream crossings include one crossing at Double Camp Run, and one at an unnamed tributary. Both streams are tributaries of Middle Island Creek of the Ohio River (HUC# 05030201). Crossing 1 will bore no less than 36 inches under Double Camp Run (Stream 2) and Stream 3 using horizontal directional drilling. Crossing 2 will be bridged above and outside of the OHWM of Stream 4 using cribbing. No fill will be placed within the OHWM. Details and location of the crossing are included in the, project location map, delineation map, and cross sectional drawings.

Please contact me with any questions or concerns.

Thank you,

Terry Burhans  
AllStar Ecology, LLC  
858-243-9900 (direct line)  
terry@allstarecology.com

cc: Trent Tank Pad to Wagner  
Tank Pad Surface Waterline  
Brett Fletcher - Antero  
Amanda Fernly - Antero  
1625 17th Street  
Denver, CO 80202

AllStar Ecology, LLC  
1582 Meadowdale Road, Fairmont, WV 26554  
Phone/Fax: 1-866-213-2666  
www.allstarecology.com



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  
Application  
Permit # 14-257*

was published in said paper for ... *2* .....

successive weeks beginning with the issue  
of ... *August 19<sup>th</sup>* ... 2014 and

ending with the issue of  
... *August 26<sup>th</sup>* ... 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

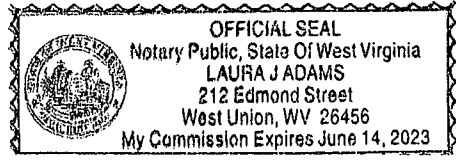
BEFORE ME THIS THE ... *28<sup>th</sup>* ... DAY

OF ... *August* ... 2014

NOTARY PUBLIC

*Laura J Adams*

LEGAL ADVERTISEMENT  
Doddridge County  
Floodplain Permit Application  
Please take notice that on the 11th day of August, 2014  
Antero Resources filed an application for a Floodplain  
Permit to develop land located at or about: Greenbrier  
District 39 208758N/80.629920W to 39.212318N/80.604306  
Permit #14-257 Brent Tank Pad to Wagner Tank Pad  
Surface Waterline (Note: This project is not within the  
floodplain)  
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 September 8, 2014.  
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  
8-19-21b



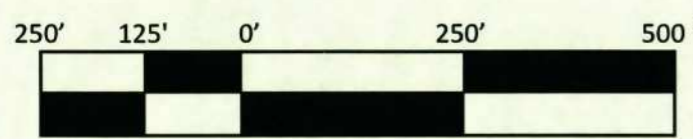
# Trent Tank Pad to Wagner Tank Pad Waterline End Map 1 Trent Pad Doddridge County, WV

Trent Pad LOD  
Previously delineated by  
AllStar Ecology on  
June 25, 2012



- Notes:
1. Streams and wetlands delineation completed by AllStar Ecology, LLC July 2014
  2. Background is a 2001 Esri Image
  3. No water wells were located within the vicinity of the AOI.
  4. Streams depicted outside the AOI are derived from an SAMB stream layer
  5. Based on the FEMA issued FIRM Map Panel 54017C0225C with an effective date of October 4 2011, the proposed project is not within the Special Flood Hazard Area.

Source: Esri, DigitalGlobe, GeoEye, iSat, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Map created July 8, 2014

LEGEND					
	Area of Interest		PEM Wetland		Existing Culvert
	Perennial		Waterline Center line		Previously Delineated AOIs
	Intermittent		SAMB Streams		
	Ephemeral		Data Point		

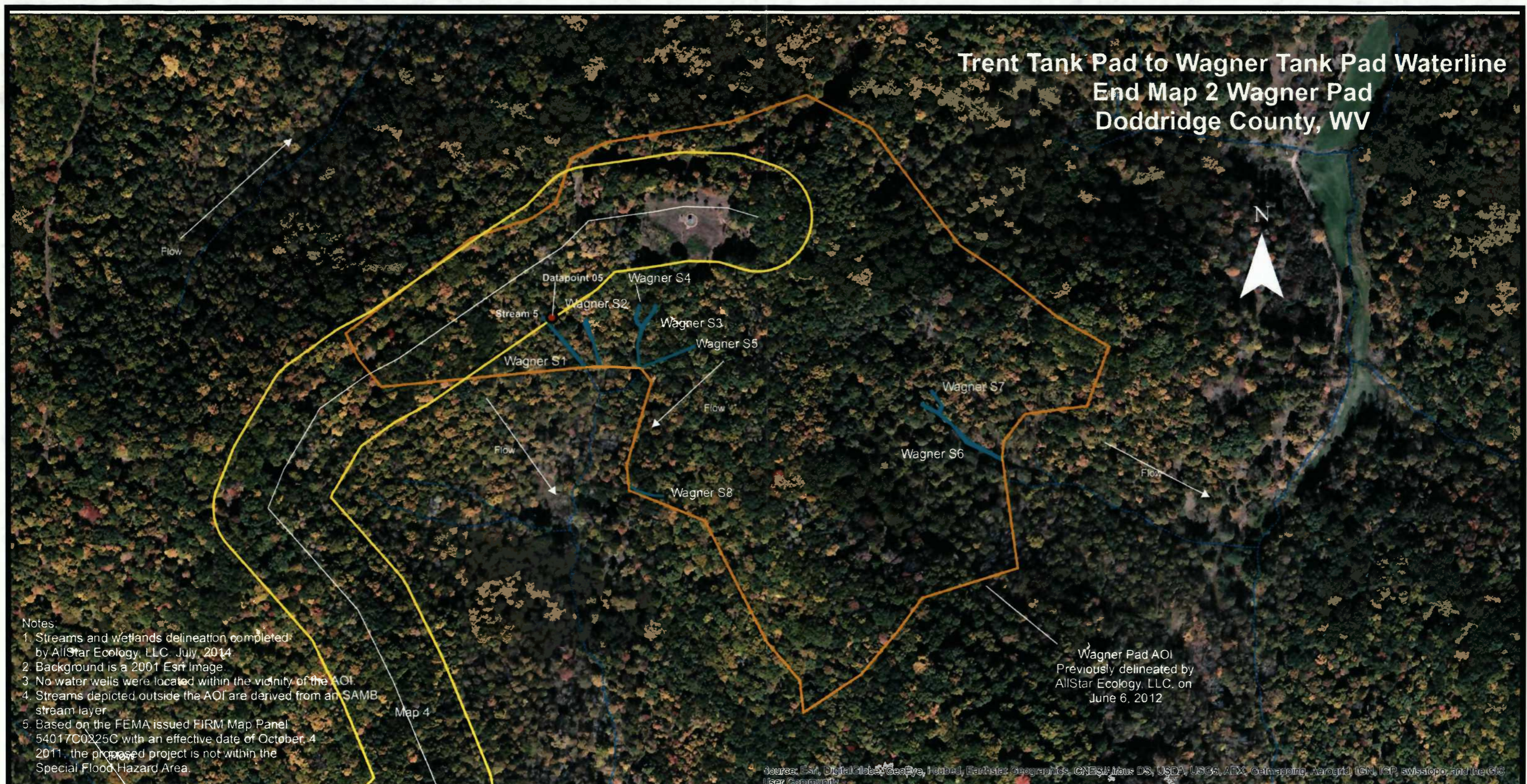
Prepared for:

**ANTERO  
RESOURCES**

Prepared by:

**ALLSTAR ECOLOGY**  
Natural Resource Specialists

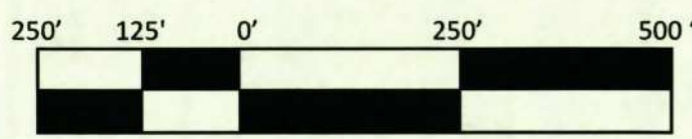
# Trent Tank Pad to Wagner Tank Pad Waterline End Map 2 Wagner Pad Doddridge County, WV



- Notes
1. Streams and wetlands delineation completed by AllStar Ecology, LLC. July, 2014
  2. Background is a 2001 Esri Image.
  3. No water wells were located within the vicinity of the AOI.
  4. Streams depicted outside the AOI are derived from an SAMB stream layer
  5. Based on the FEMA issued FIRM Map Panel 54017C0225C with an effective date of October, 4 2011, the proposed project is not within the Special Flood Hazard Area.

Wagner Pad AOI  
Previously delineated by  
AllStar Ecology, LLC. on  
June 6, 2012

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



Map created July 8, 2014

LEGEND					
	Area of Interest		PEM Wetland		Existing Culvert
	Perennial		Waterline Center line		Previously Delineated AOIs
	Intermittent		SAMB Streams		
	Ephemeral		Data Point		

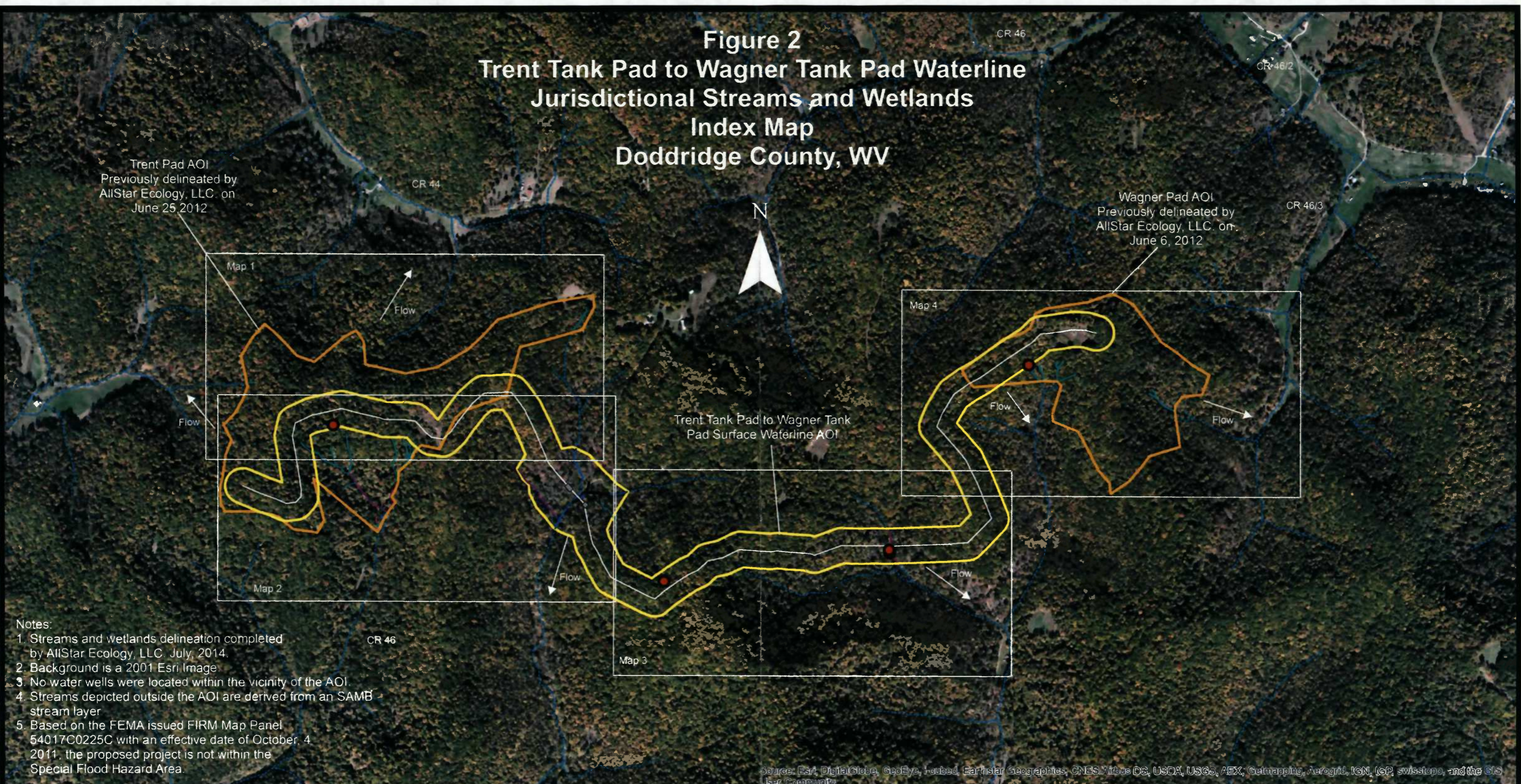
Prepared for:

**ANTERO  
RESOURCES**

Prepared by:

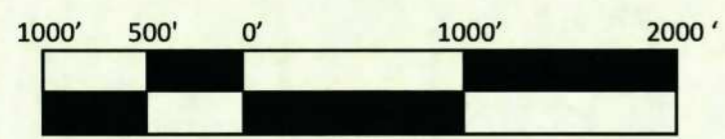
**ALLSTAR ECOLOGY**  
Natural Resource Specialists

## Figure 2 Trent Tank Pad to Wagner Tank Pad Waterline Jurisdictional Streams and Wetlands Index Map Doddridge County, WV



- Notes:
1. Streams and wetlands delineation completed by AllStar Ecology, LLC. July, 2014.
  2. Background is a 2001 Esri Image
  3. No water wells were located within the vicinity of the AOI.
  4. Streams depicted outside the AOI are derived from an SAMB stream layer
  5. Based on the FEMA issued FIRM Map Panel 54017C0225C with an effective date of October, 4, 2011, the proposed project is not within the Special Flood Hazard Area.

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



Map created July 3, 2014

LEGEND			
	Area of Interest		PEM Wetland
	Perennial		Waterline Center line
	Intermittent		SAMB Streams
	Ephemeral		Data Point
			Existing Culvert
			Previously Delineated AOIs
			Bridge

Prepared for:

**ANTERO  
RESOURCES**

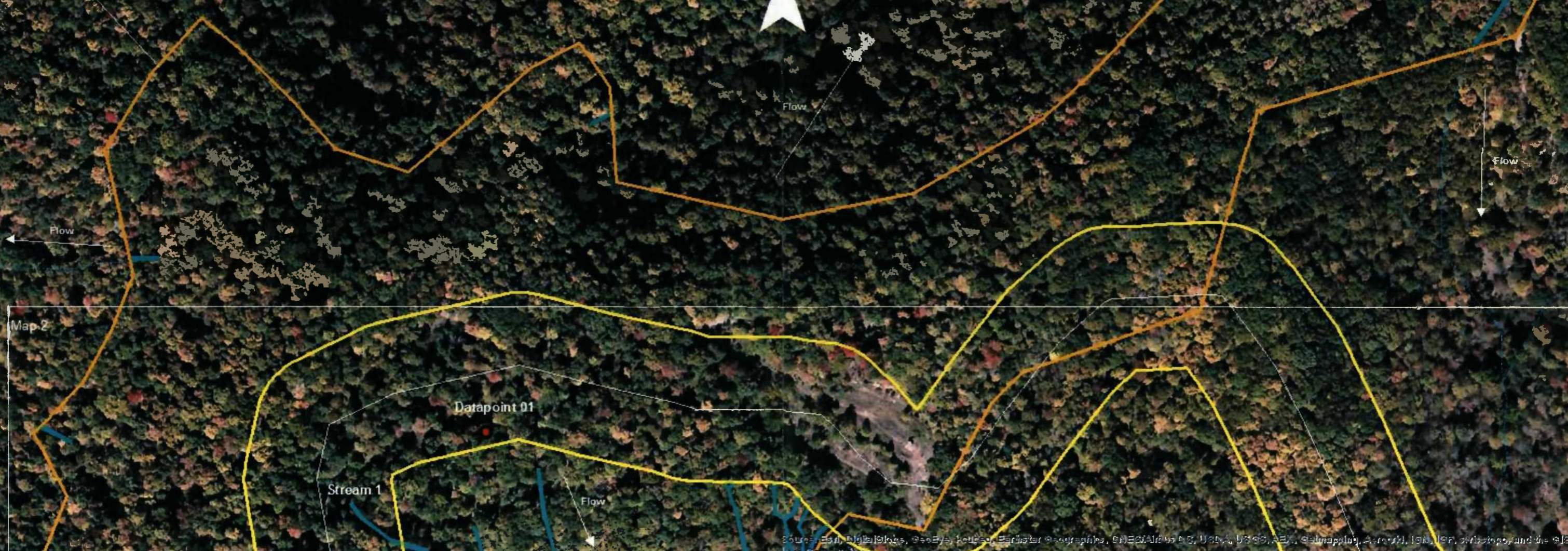
Prepared by:

**ALLSTAR ECOLOGY**  
Natural Resource Specialists

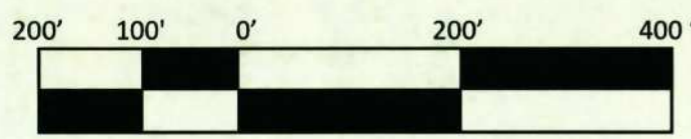
# Figure 2 Trent Tank Pad to Wagner Tank Pad Waterline Jurisdictional Streams and Wetlands Map 1 Doddridge County, WV

- Notes
1. Streams and wetlands delineation completed by AllStar Ecology, LLC, July 2014
  2. Background is a 2001 Esri Image
  3. No water wells were located within the vicinity of the AOI
  4. Streams depicted outside the AOI are derived from an SAMB stream layer
  5. Based on the FEMA issued FIRM Map Panel 54017C0225C with an effective date of October 4, 2011, the proposed project is not within the Special Flood Hazard Area

Trent Pad LOD  
Previously delineated by  
AllStar Ecology on  
June 25, 2012


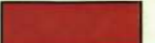











Source: Esri, DigitalGlobe, GeoEye, IGN, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, ISF, Airphoto and the GIS User Community



Map created July 3, 2014

### LEGEND

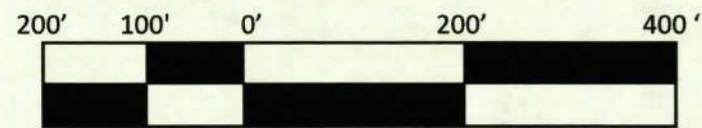
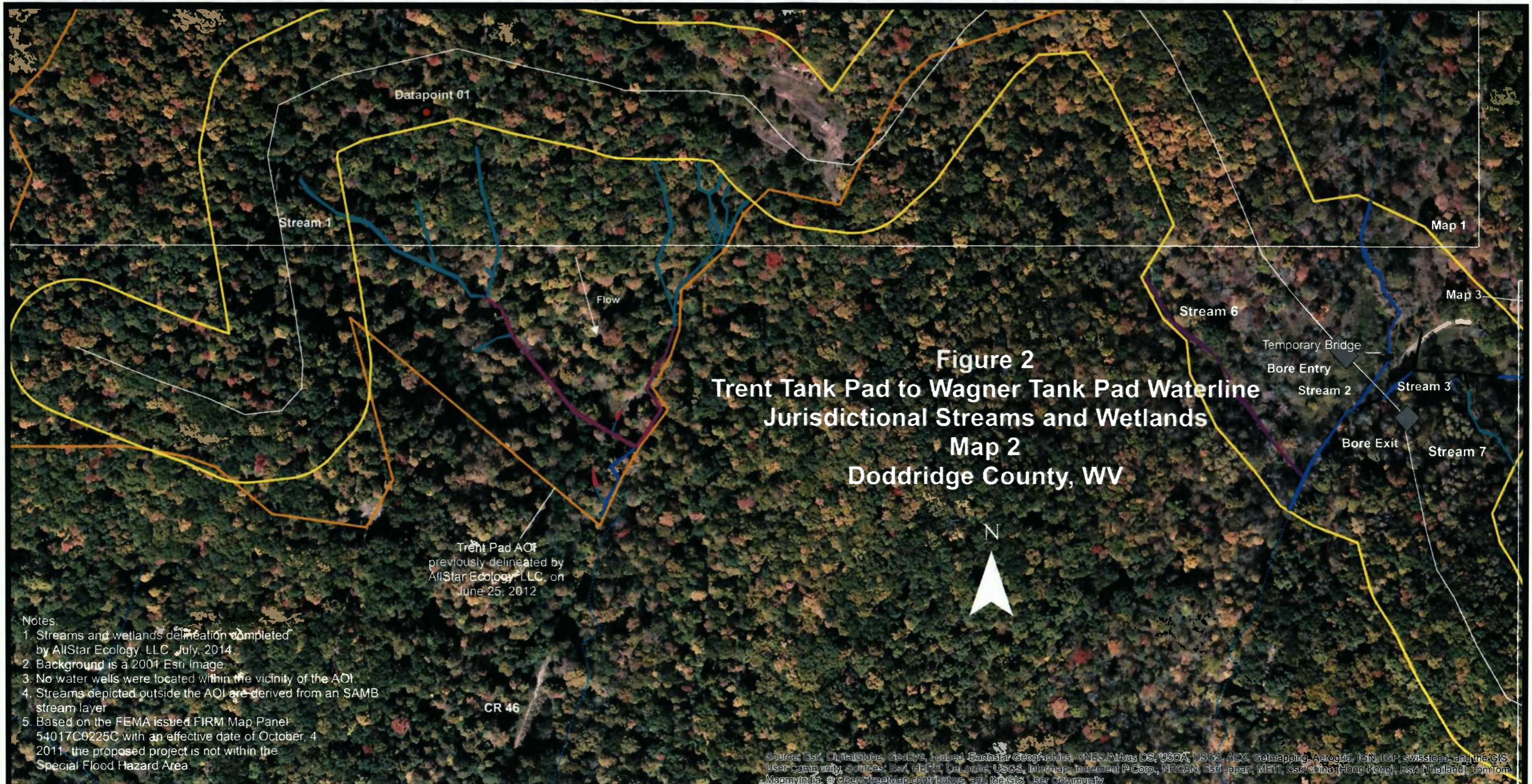
- |   |   |  |
|---|---|--|
|  Area of Interest |  PEM Wetland           |  Existing Culvert           |
|  Perennial        |  Waterline Center line |  Previously Delineated AOIs |
|  Intermittent     |  SAMB Streams          |  Bridge                     |
|  Ephemeral        |  Data Point            |  |

Prepared for:







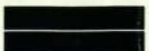


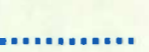
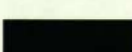


Prepared by:





Map created July 3, 2014

**LEGEND**

- |   |   |  |
|---|---|--|
|  Area of Interest |  PEM Wetland           |  Existing Culvert           |
|  Perennial        |  Waterline Center line |  Previously Delineated AOIs |
|  Intermittent     |  SAMB Streams          |  Bridge                     |
|  Ephemeral        |  Data Point            |  |

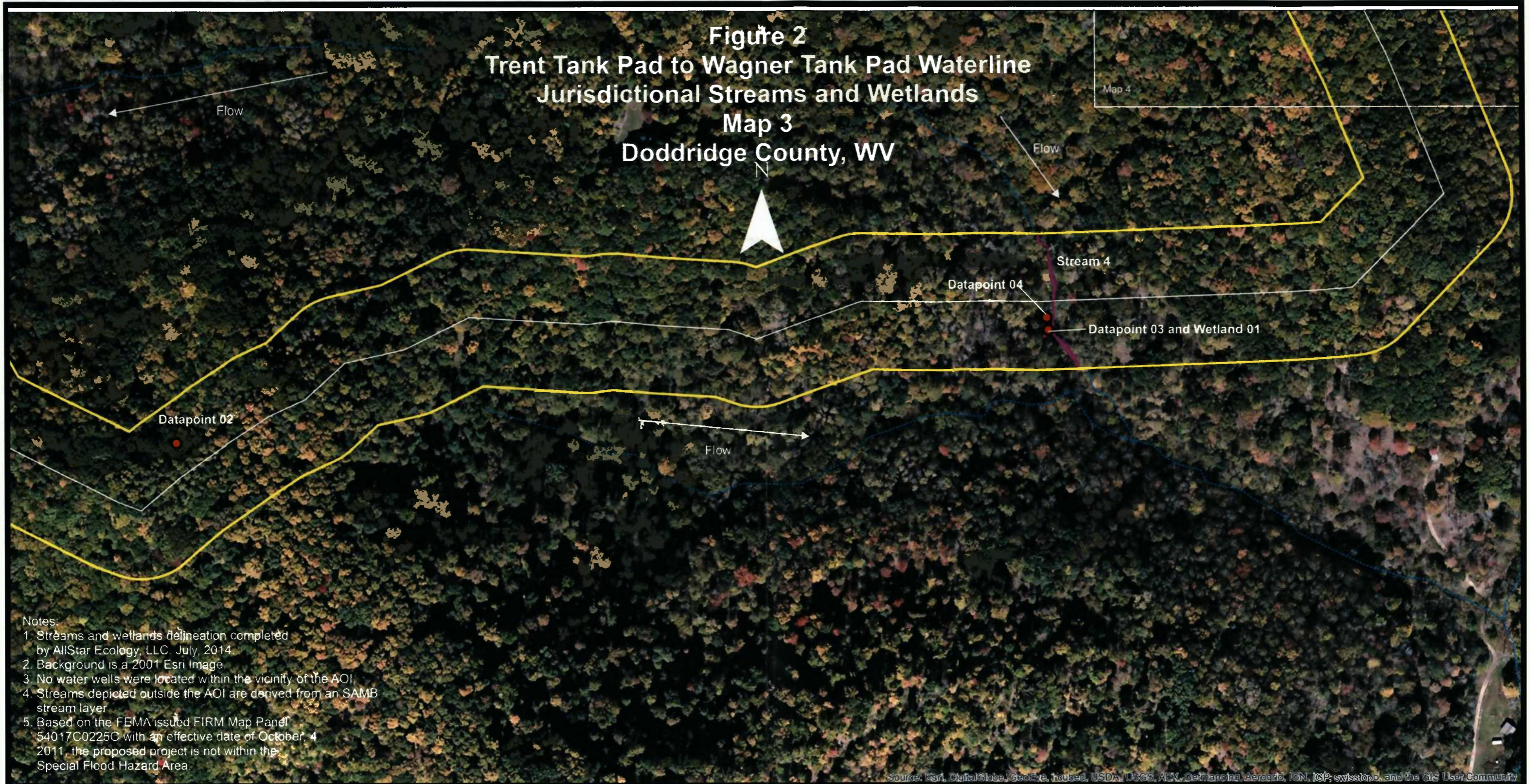
Prepared for:



Prepared by:

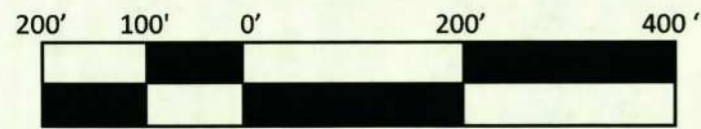


**Figure 2**  
**Trent Tank Pad to Wagner Tank Pad Waterline**  
**Jurisdictional Streams and Wetlands**  
**Map 3**  
**Doddridge County, WV**



- Notes:
1. Streams and wetlands delineation completed by AllStar Ecology, LLC, July, 2014.
  2. Background is a 2001 Esri Image.
  3. No water wells were located within the vicinity of the AOI.
  4. Streams depicted outside the AOI are derived from an SAMB stream layer.
  5. Based on the FEMA issued FIRM Map Panel 54017C0225C with an effective date of October 4, 2011, the proposed project is not within the Special Flood Hazard Area.

Source: Esri, DigitalGlobe, GeoEye, Earthstar (USA), USGS, AeroGRID, IGN, SVP, swisstopo, and the GIS User Community



Map created July 3, 2014

LEGEND					
	Area of Interest		PEM Wetland		Existing Culvert
	Perennial		Waterline Center line		Previously Delineated AOIs
	Intermittent		SAMB Streams		Bridge
	Ephemeral		Data Point		

Prepared for:

Prepared by:

Natural Resource Specialists

**Figure 2**  
**Trent Tank Pad to Wagner Tank Pad Waterline**  
**Jurisdictional Streams and Wetlands**  
**Map 4**  
**Doddridge County, WV**

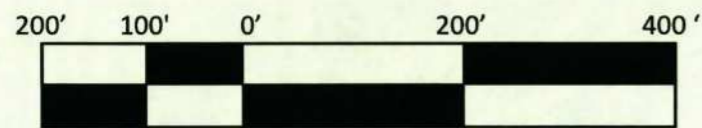


Notes:  
 1. Streams and wetlands delineation completed by AllStar Ecology, LLC, July 2014.  
 2. Background is a 2001 EIR image.  
 3. No water wells were located within the vicinity of the AOI.  
 4. Streams depicted outside the AOI are derived from an SAMB stream layer.  
 5. Based on the FEMA issued FIRI Map Panel 54017C0225C with an effective date of October 4, 2011, the proposed project is not within the Special Flood Hazard Area.

Map 4








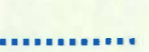



Wagner Pad AOI  
 Previously delineated by  
 AllStar Ecology, LLC on  
 June 6, 2012

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



Map created July 3, 2014

**LEGEND**

	Area of Interest		PEM Wetland		Existing Culvert
	Perennial		Waterline Center line		Previously Delineated AOIs
	Intermittent		SAMB Streams		Bridge
	Ephemeral		Data Point		

Prepared for:

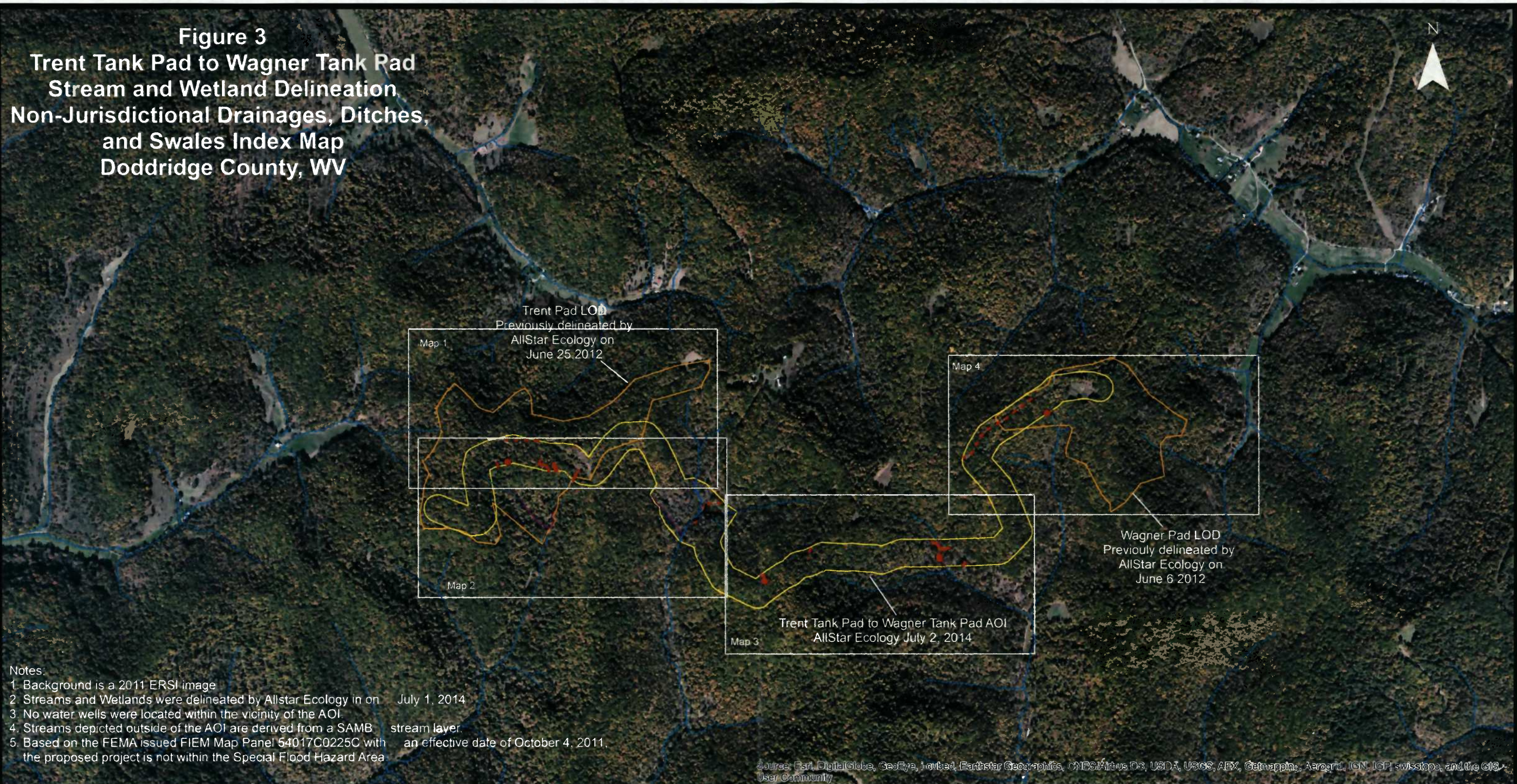


Prepared by:



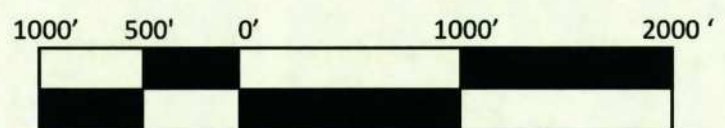


**Figure 3**  
**Trent Tank Pad to Wagner Tank Pad**  
**Stream and Wetland Delineation,**  
**Non-Jurisdictional Drainages, Ditches,**  
**and Swales Index Map**  
**Doddridge County, WV**



- Notes:
1. Background is a 2011 ERSI image
  2. Streams and Wetlands were delineated by Allstar Ecology in on July 1, 2014
  3. No water wells were located within the vicinity of the AOI.
  4. Streams depicted outside of the AOI are derived from a SAMB stream layer.
  5. Based on the FEMA issued FIEM Map Panel 54017C0225C with an effective date of October 4, 2011, the proposed project is not within the Special Flood Hazard Area

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



Map created July 3, 2014

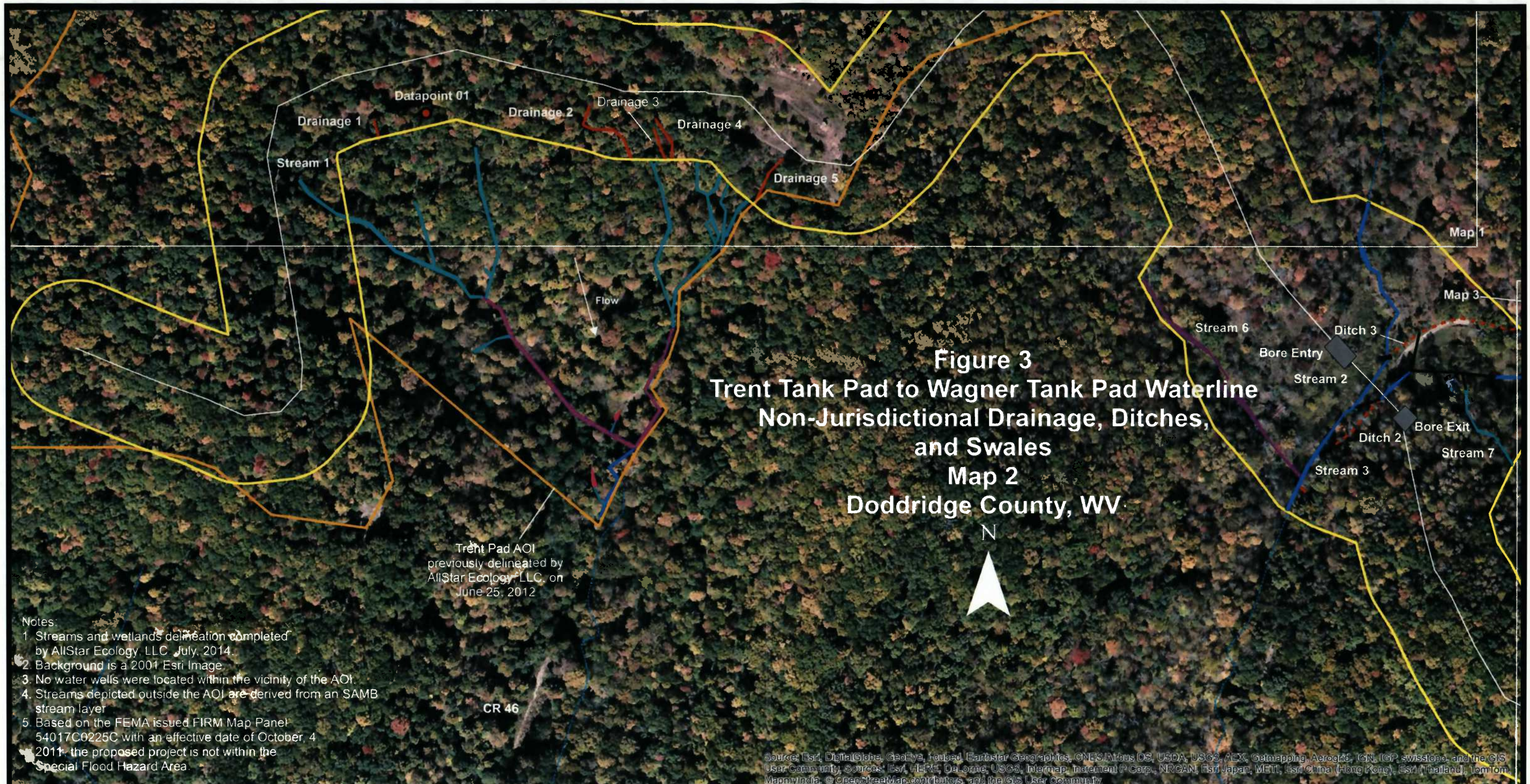
LEGEND					
	Area of Interest		PEM Wetland		Existing Culvert
	Perennial		Waterline Center line		Previously Delineated AOIs
	Intermittent		SAMB Streams		Bridge
	Ephemeral		Data Point		

Prepared for:

Prepared by:

Natural Resource Specialists



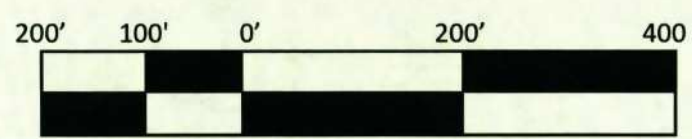


**Figure 3**  
**Trent Tank Pad to Wagner Tank Pad Waterline**  
**Non-Jurisdictional Drainage, Ditches,**  
**and Swales**  
**Map 2**  
**Doddridge County, WV**

Trent Pad AOI  
 previously delineated by  
 AllStar Ecology, LLC, on  
 June 25, 2012

- Notes:
1. Streams and wetlands delineation completed by AllStar Ecology, LLC July, 2014.
  2. Background is a 2001 Esri Image.
  3. No water wells were located within the vicinity of the AOI.
  4. Streams depicted outside the AOI are derived from an SAMB stream layer.
  5. Based on the FEMA issued FIRM Map Panel 54017C0225C with an effective date of October, 4 2011, the proposed project is not within the Special Flood Hazard Area.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community. Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, Mapbox, and the GIS User Community.



Map created July 3, 2014

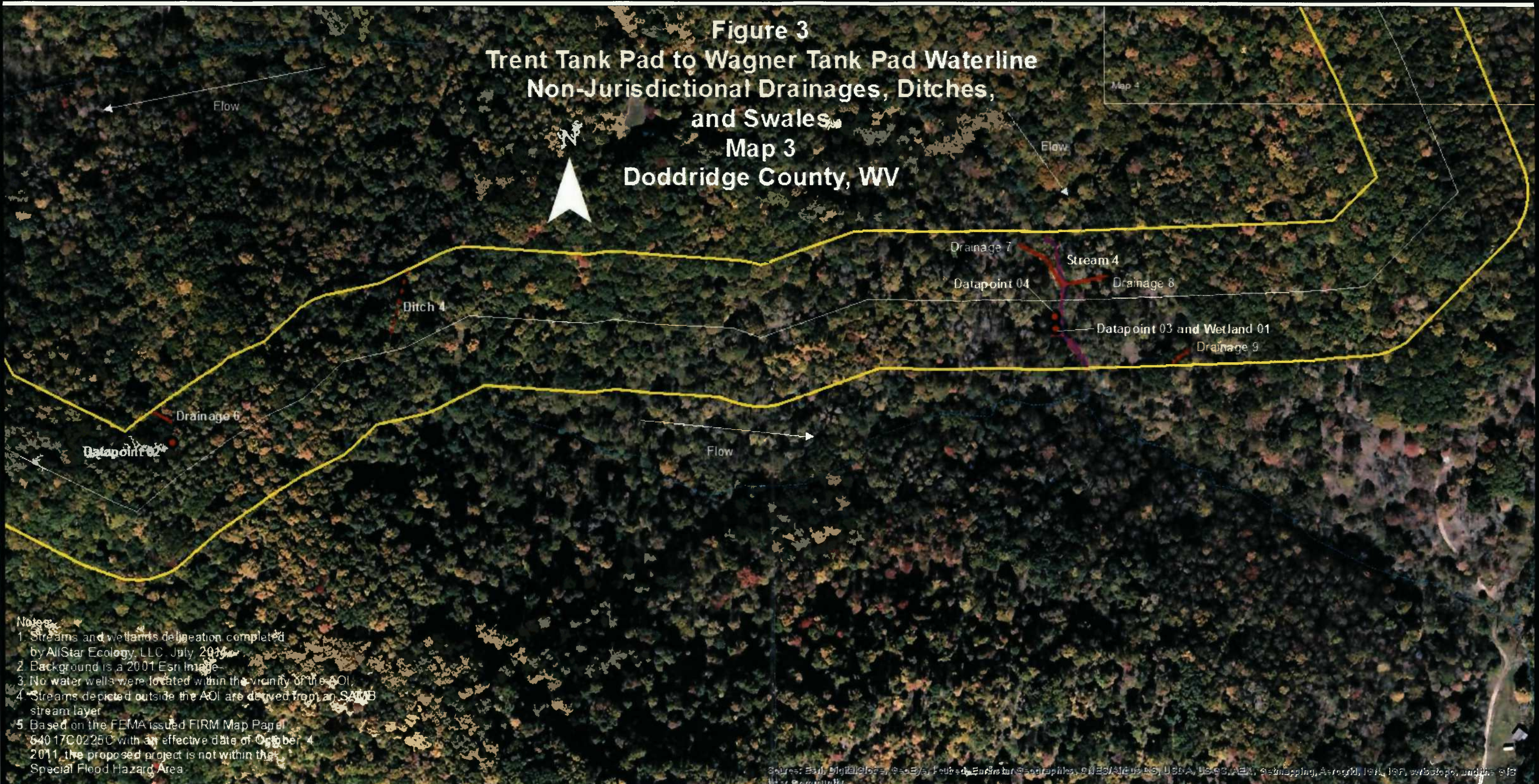
LEGEND			
	Area of Interest		PEM Wetland
	Perennial		Waterline Center line
	Intermittent		SAMB Streams
	Ephemeral		Bridge
	Data Point		Existing Culvert
			Previously Delineated AOIs

Prepared for:

Prepared by:

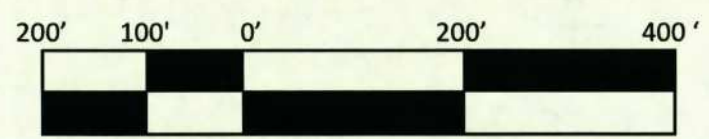
Natural Resource Specialists

# Figure 3 Trent Tank Pad to Wagner Tank Pad Waterline Non-Jurisdictional Drainages, Ditches, and Swales Map 3 Doddridge County, WV



- Notes:**
1. Streams and wetlands delineation completed by AllStar Ecology, LLC, July 2014.
  2. Background is a 2001 Esri Image.
  3. No water wells were located within the vicinity of the AOI.
  4. Streams depicted outside the AOI are derived from an SAMB stream layer.
  5. Based on the FEMA issued FIRM Map Panel 64017C0225C with an effective date of October 4, 2011, the proposed project is not within the Special Flood Hazard Area.

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



Map created July 3, 2014

LEGEND			
	Area of Interest		PEM Wetland
	Perennial		Waterline Center line
	Intermittent		SAMB Streams
	Ephemeral		Data Point
			Existing Culvert
			Previously Delineated AOIs
			Bridge

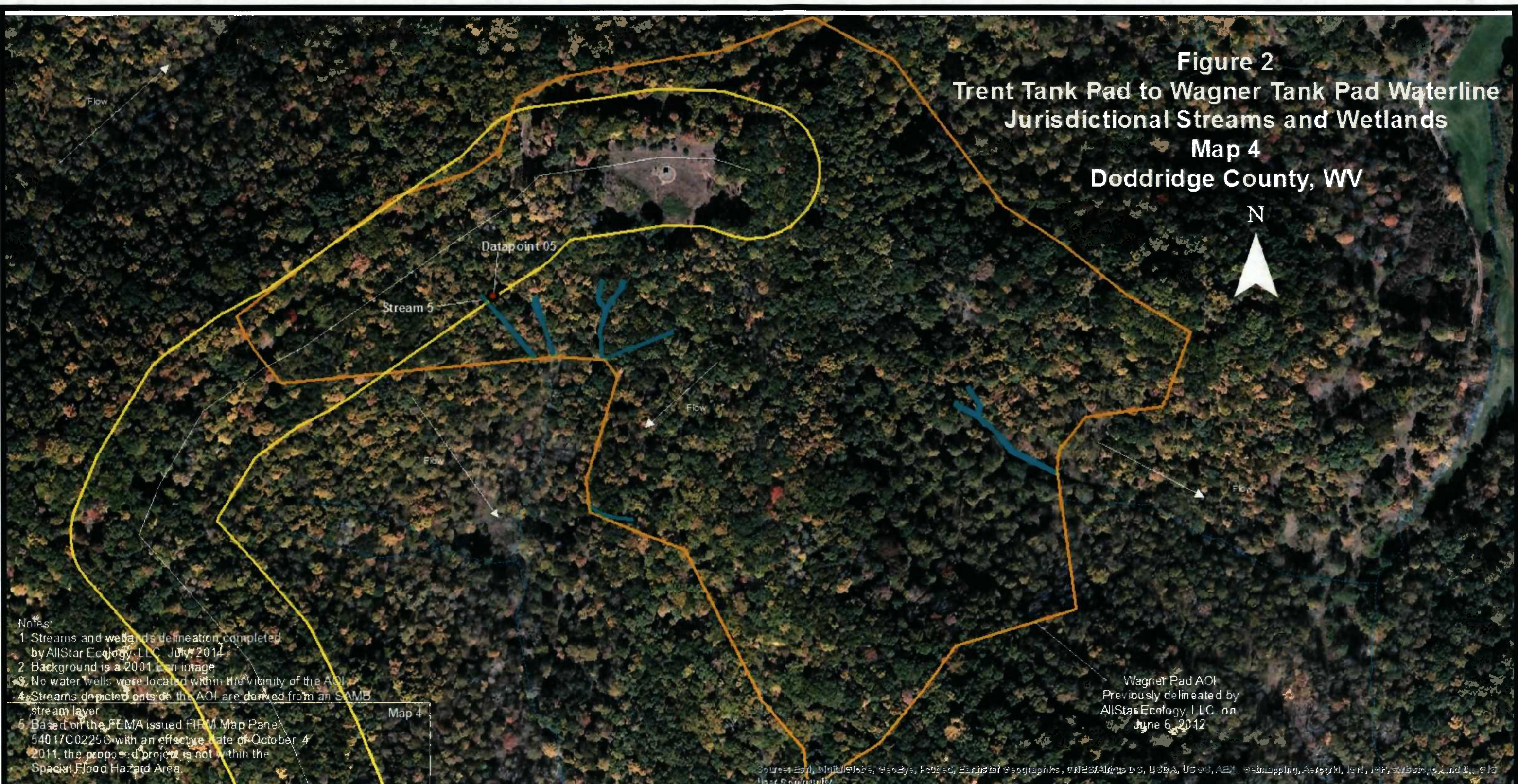
Prepared for:

**ANTERO RESOURCES**

Prepared by:


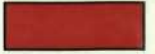









**ALLSTAR ECOLOGY**  
Natural Resource Specialists

**Figure 2**  
**Trent Tank Pad to Wagner Tank Pad Waterline**  
**Jurisdictional Streams and Wetlands**  
**Map 4**  
**Doddridge County, WV**



Map created July 3, 2014

**LEGEND**

	Area of Interest		PEM Wetland		Existing Culvert
	Perennial		Waterline Center line		Previously Delineated AOIs
	Intermittent		SAMB Streams		Bridge
	Ephemeral		Data Point		

Prepared for:



Prepared by:



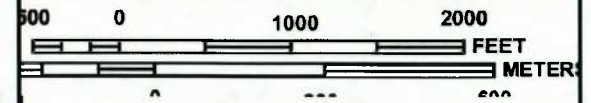
**UNINCORPORATED AREAS**  
540024



JOINS



MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

**NFIP** PANEL 0235C

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

PANEL 235 OF 325  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0235	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.

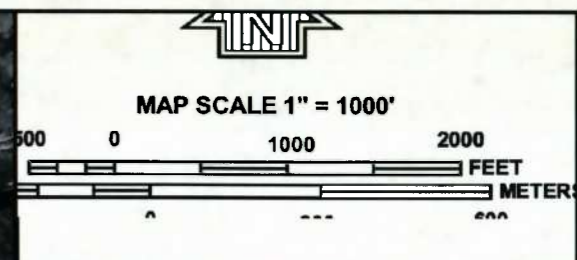
**MAP NUMBER**  
54017C0235C  
**MAP REVISED**  
OCTOBER 4, 2011

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](http://www.msc.fema.gov)



JOINS PANEL 0235



**NFIP**

**PANEL 0255C**

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

**PANEL 255 OF 325**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0255	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**  
**54017C0255C**  
**MAP REVISED**  
**OCTOBER 4, 2011**  
 Federal Emergency Management Agency

**DODDRIDGE COUNTY**  
**UNINCORPORATED AREAS**  
 540024

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