



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 #: 22-620

Date Approved: October 10, 2022

Expires: October 10, 2023

Issued to: Key Oil Company

POC: Greg Kelley

Company Address: 22 Garton Plaza Weston, WV 26452

Project Address: 43 Willow Lane at Cabin Run Road West Union, WV 26456

Firm: 54017C0200C

Lat/Long: 39.234727N, -80.882464W

Purpose of development: Low Water Crossing Bridge Repair

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

Date: October 10, 2022

For additional information regarding this permit, please contact
Doddridge County Floodplain Manager at 304.873.1343, or via email at
doddridgecountyfpm@gmail.com
101 Church Street Suite 102; West Union, WV 26456

Key Oil Company

Check Date: Sep 13, 2022 38373

Check Amount: \$250.00

Item to be Paid - Description	Discount Taken	Amount Paid
Well Operation Expense		250.00

FP # 22-620

ORIGINAL CHECK PRINTED ON PAPER THAT HAS TRUE WATERMARK, GREEN AND RED VISIBLE FIBERS, AND IS CHEMICAL REACTIVE

Key Oil Company
 22 Garton Plaza
 Weston, WV 26452
 (304) 269-7102



CITIZENS BANK
 JANE LEW BRANCH
 WESTON, WEST VIRGINIA 26452

69-145/515

38373

Two Hundred Fifty and 00/100 Dollars

PAY TO THE ORDER OF

Doddridge County Commission

DATE	AMOUNT
Sep 13, 2022	*****\$250.00

Memo: Flood Plain Permit 22-620

Karen Cook

AUTHORIZED SIGNATURE

Security features included. Details on back.

⑈038373⑈ ⑆054501451⑆ 0 022658⑈

FLOODPLAIN PERMIT #22-620

Key Oil Co., 43 Willow Ln @ Cabin Run Rd., Low water crossing bridge repair, 39.234727, -80.882464

TASK	COMPLETE (DATE)	NOTES
<i>CHECK RECEIVED</i>	9/19/2022	
<i>US ARMY CORP. ENGINEERS (USACE)</i>	6/29/2022	
<i>US FISH & WILDLIFE SERVICES (USFWS)</i>	4/18/2022	
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>	5/4/2022	
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>		
<i>STATE HISTORIC & PRESERVATION OFFICE (SHPO)</i>	6/10/2022	
<i>OFFICE of LAND & STREAM (OLS)</i>	6/1/2022	
<i>WVDOH</i>		
<i>Elevation Certificate</i>		
<i>DATE OF COMMISSION READING</i>	9/20/2022	
<i>DATE AVAILABLE TO BE GRANTED</i>	10/10/2022	
<i>PERMIT GRANTED</i>		
<i>COMPLETE</i>		

7019 2280 0000 5315 8418

7021 1970 0001 7228 4399



Doddridge County Floodplain Permits

(Week of September 12, 2022)

Please take notice that on the (9th) of (September), 2022, (Key Oil Company) filed an application for a Floodplain Permit (#22-620) to develop land located at or about (430 Willow Ln @ Cabin Run Rd.); Coordinates: 39.234727, -80.882464. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance with WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (October 10, 2022) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is for the repair of a low water crossing bridge.


GEORGE C. EIDEL, CFM

Doddridge County Floodplain Manager



Permit#	<u>22-620</u>
Project Name:	<u>Cabin Run Low water Bridge</u>
Permittees Name:	<u>Key Oil Co.</u>

Doddridge County, WV

Floodplain Development Permit Application

This document is to be used for projects that impact/potentially impact 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.

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. The permit will expire if no work is commenced within six months of issuance.
5. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
6. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
7. 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 Chris Meyer (Smith Land Surveying)

DATE 9/7/22

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: Key Oil Company		
Corporate Mailing Address: 22 Garton Plaza		
City: Weston	State: WV	Zip: 26452
Corporate Point of Contact (POC): Greg Kelley		
Corporate POC Title: Supervisor		
Corporate POC Primary Phone: 304-588-7610		
Corporate POC Primary Email: gkelleykeyoil3@icloud.com		
Corporate FEIN:	Corporate DUNS:	
Corporate Website: N/A		
Local Mailing Address: 1568 Sunnyside Road		
City: West Union	State: WV	Zip: 26456
Local Project Manager (PM): Greg Kelley		
Local PM Primary Phone: 304-588-7610		
Local PM Secondary Phone: 304-269-7102		
Local PM Primary Email: gkelleykeyoil3@icloud.com		
Person Filing Application: Greg Kelley		
Applicant Title: Supervisor		
Applicant Primary Phone: 304-588-7610		
Applicant Secondary Phone: 304-269-7102		
Applicant Primary Email: gkelleykeyoil3@icloud.com		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Proposed Development:

Please check all elements of the proposed project that apply.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

<u>ACTIVITY</u>		<u>STRUCTURAL TYPE</u>	
<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 Alteration (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)
-
-
-

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: ___ of ___

Site/Property Information:		
Legal Description:		
Physical Address/911 Address: 105 Willow LN, West Union, WV 26456		
Decimal Latitude/Longitude: 39.234727		
DMS Latitude/Longitude: -80.882464		
District: 09-01	Map: 0015	Parcel: 0001-0004
Land Book Description:		
Deed Book Reference: 235/670		
Tax Map Reference:		
Existing Buildings/Use of Property:		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long): 39.234727, -80.882464		Approximate Elevation:	
Estimated BFE:		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Is the development in the floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes: See Attached maps.			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: ____ of ____

Property Owner Data:		
Name of Primary Owner (PO): Kevin Britton		
PO Address: 105 Willow Ln.		
City: West Union	State: WV	Zip: 26456
PO Primary Phone: 304-360-7557		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO):		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO):		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Contractor Data:

Please provide all pertinent data for contractors and sub---contractors that may be participating in this project. Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: ____ of ____

Contractor/Sub-Contractor (C/SC) Information:		
C/SC Company Name: Crites Construction		
C/SC WV License Number: WV 013141		
C/SC FEIN:	C/SC DUNS:	
Local C/SC Point of Contact (POC): Tim Crites		
Local C/SC POC Title: Project Manager		
C/SC Mailing Address: P.O. Box 156 S		
City: Sutton	State: WV	Zip-Code: 26601
Local C/SC Office Phone: 304-765-5365		
Local C/SC POC Phone: 304-678-9126		
Local C/SC POC E-Mail: tlcrites1@hotmail.com		

Engineer Firm Information:		
Engineer Firm Name: SLS Land & Energy Development		
Engineer WV License Number:		
Engineer Firm FEIN:	Engineer Firm DUNS:	
Engineer Firm Primary Point of Contact (POC): Chris Moyers		
Engineer Firm Primary POC Title: Senior Design Coordinator		
Engineer Firm Mailing Address: P.O. Box 150, 12 Vanhorn Drive		
City: Glenville	State: WV	Zip-Code: 26351
Engineer Firm Office Phone: 304-462-5634		
Engineer Firm Primary POC Phone: 304-462-5634		
Engineer Firm Primary POC E-Mail: cmoyers@slswv.com		

Adjacent and/or Affected Landowners Data

Please provide data for all adjacent and/or affected surface owners (both up and down stream) whose property may be impacted by proposed development as demonstrated by a floodplain study or survey. Use additional copies of this page as needed.

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): William & Sharon Britton		
Physical Address: 34 Britton Lane		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO):		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Site Plan

A Site Plan is an accurate and detailed map of the proposed development for this project. It shows the size, shape, location and special features of the project property, and the size and location of any development planned to the property, especially as that development will impact the floodplain and/or floodway. Site plans show what currently exists on the project property, and any changes or improvements you are proposing to make. **A certified and licensed engineering firm should complete site plans.**

A SITE PLAN MUST CONTAIN THE FOLLOWING INFORMATION:

1. Legal description of the parcel, north arrow and scale
2. All property lines and their dimensions
3. Names of adjacent roads, location of driveways
4. Location of sloughs, tributaries, streams, rivers, wetlands, ponds, and lakes, with setbacks indicated, and including FEMA floodplain data based on most updated FIRM.
5. Location, size, shape of all buildings, existing and proposed, with elevation of lowest floor indicated.
6. Location and dimensions of existing or proposed on-site sewage systems.
7. Location of all propane tanks, fuel tanks or other liquid storage tanks whether above ground or below ground level.
8. Location and dimensions of any proposed pipeline placement(s) into floodplain/floodway.
9. Location and dimensions of any roadway development into floodplain/floodway. *(Includes initial development accessroads)*
10. Location and dimensions of any bridge and/or culvert development into floodplain/floodway.
11. Location and dimensions of any storage yard or facility into the floodplain/floodway.
12. Location of any existing utilities and/or proposed utility placement and/or displacement.
13. Location, dimensions and depth of any existing or proposed fill on site.
14. A survey showing the **existing ground elevations** of at least location on the building site. **ELEVATION NOTE:** All vertical datum will reference either NGVD 29 or NAVD 88. Assumed datum will not be acceptable unless the property is located in an area where vertical datum has not been published. For those areas where vertical datum has not been established, a site plan with contours, elevations using assumed datum, high water marks and existing water levels of sloughs, rivers, lakes or streams and proposed lowest floor elevation.

Applicant

Please read print name, sign and date below:

- I certify that I am authorized to submit this application for the primary project developer.
- I certify that the information included in this application is to the best of my knowledge true and complete.
- I certify that all required Federal, State, and local permits required by law and/or ordinance for the above described development of this project have will be properly attained, are current and valid, and must be presented prior to a Doddridge County Floodplain Permit being issued.
- I understand that if in the course of the development project additional permits become required that were not needed during the initial proposal, the primary developer must notify the Doddridge County Floodplain Manager within 48 hours of such need, and that a "Stop Work" order may be issued for all project work directly impacting the floodplain or floodway, until such time the required additional permits are acquired.
- I understand that once the floodplain permit is submitted, the application will be entered into official public record at the next regularly scheduled Doddridge County Commission meeting after the date of submittal.
- I understand that from the date of submittal of the fully completed permit application, the Doddridge County Floodplain Manager has ninety (90) days to make a determination to either grant or deny said permit application. During this approval period, the Doddridge County Floodplain Manager may, at his or her discretion, conduct a review and/or additional study of provided documentation by means of an independent engineering firm. All costs associated with said review and/or study must be reimbursed to the County before issuance of approved permit.
- I understand that during the approval period, the Doddridge County Floodplain Manager of designee may at his or her discretion conduct site visits and document conditions of proposed development pursuant to the permit application.
- I understand that once the Floodplain Permit is granted, the permit will be entered into official public record. Appeals to the permit may be made no later than twenty (20) days after said issuance. If a valid appeal is submitted, as determined by the Doddridge County Floodplain Manager, a "Stop Work" order will be issued for all project development directly involving the floodplain or floodway. A public hearing by the Doddridge County Appeals Board will be scheduled no less than ten (10) days after the next regularly scheduled Doddridge County Commission meeting.
- I understand that all decisions of the Doddridge County Appeals Board shall be final.
- **I understand issuance of a Floodplain Permit authorizes me to proceed with construction as proposed.**
- In signing this application, the primary developer hereby grants the Doddridge County Floodplain Manager or designee the right to enter onto the above---described location to inspect the development work proposed, in progress, and/or completed.
- I understand that if I do not follow exactly the site---plan submitted and approved by this permit that a "Stop Work" order may be issued by the Doddridge County Floodplain Manager and that I must stop all construction immediately until discrepancies of actual work vs. proposed work is resolved.

Applicant Signature: Chris Moyers Date: 9/7/22

Applicant Printed Name: Chris Moyers

THIS DEED, Made this 22nd day of July, 1997 by and between, WILLIAM J. BRITTON and RENEE A. BRITTON, husband and wife, parties of the first part, grantors and KEVIN P. BRITTON, party of the second part, grantee.

WITNESSETH: That for and in consideration of the sum of One Dollar (\$1.00), cash in hand paid, the receipt of which is hereby acknowledged, the parties of the first part do hereby grant and convey with Covenants of General Warranty, but subject to the exceptions and reservations hereinafter contained, unto the said KEVIN P. BRITTON, all that certain lot or parcel of land situate on Cabin Run, Central District, Doddridge County, West Virginia and bounded and described as follows, to-wit:

BEGINNING at a point in the center of County Route 19, a corner to two (2) Britton one (1) acre lots; thence with Route 19 S. 49-48 E. 195.49 feet to a 1/2 inch rebar set, buried 6 inches deep in the center of Route 19; thence leaving Rt. 19 S. 26-00 W. 372.86 feet to a 1/2 inch rebar set with a cap; thence N. 67-49 W. 349.44 feet to a 14 inch Red Oak; thence N. 82-44 E. 68.66 feet to a 1/2 inch rebar set with a cap; thence N. 0-46 W. 161.01 feet to a 1/2 inch rebar set with a cap, in a line of a Britton 1 acre lot; thence with Britton lot N. 70-16 E. 268.72 feet to a 1/2 inch Rebar set with a cap; thence N. 15 - 30 E. at 55.73 feet crossing a 2 inch Iron pipe found in run, in all 70.73 feet to the beginning, containing 2.654 acres, more or less.

Being the same tract or parcel of land conveyed unto William J. Britton and Renee A. Britton, his wife, by William Paul Britton and Sharon Dee Britton, his wife, by deed dated April 6, 1992 and of record in the Doddridge County Clerk's Office in Deed Book 218 at Page 595.

This conveyance is made subject to all exceptions, reservations, easements, restrictions, covenants, conditions, leases, or right of ways, if any, as the same appear of record in the aforesaid Clerk's Office.

To have and to hold unto the party of the second part, his heirs and assigns, the above described real estate, together with all and singular the appurtenances thereunto belonging.

The Grantors declare the total consideration for the property transferred by this document to be \$100.00. *WJB. R.A.B.*

WITNESS the following signatures.

William J. Britton
WILLIAM J. BRITTON

Renee Britton
RENEE A. BRITTON

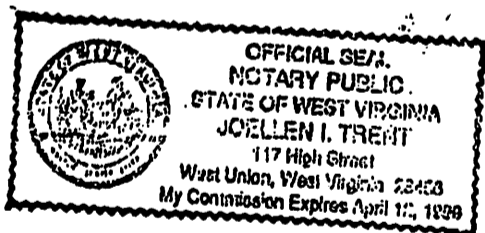
STATE OF WEST VIRGINIA,

COUNTY OF DODDRIDGE, To-Wit:

I *Joellen I. Trent*, a Notary Public in and for said County and State do hereby certify that WILLIAM J. BRITTON and RENEE A. BRITTON, husband and wife, whose names are signed to the foregoing writing bearing date the 22nd day of July, 1997, have this day acknowledged the same before me in my said County and State.

Given under my hand this *8th* day of *November*, 1997.

My commission expires: *April 12, 1999*



Joellen I. Trent
Notary Public

PREPARED BY:

Lucien R. Sammons, Jr.
Attorney at Law
P. O. Box 95
West Union, WV 26456

STATE OF WEST VIRGINIA,

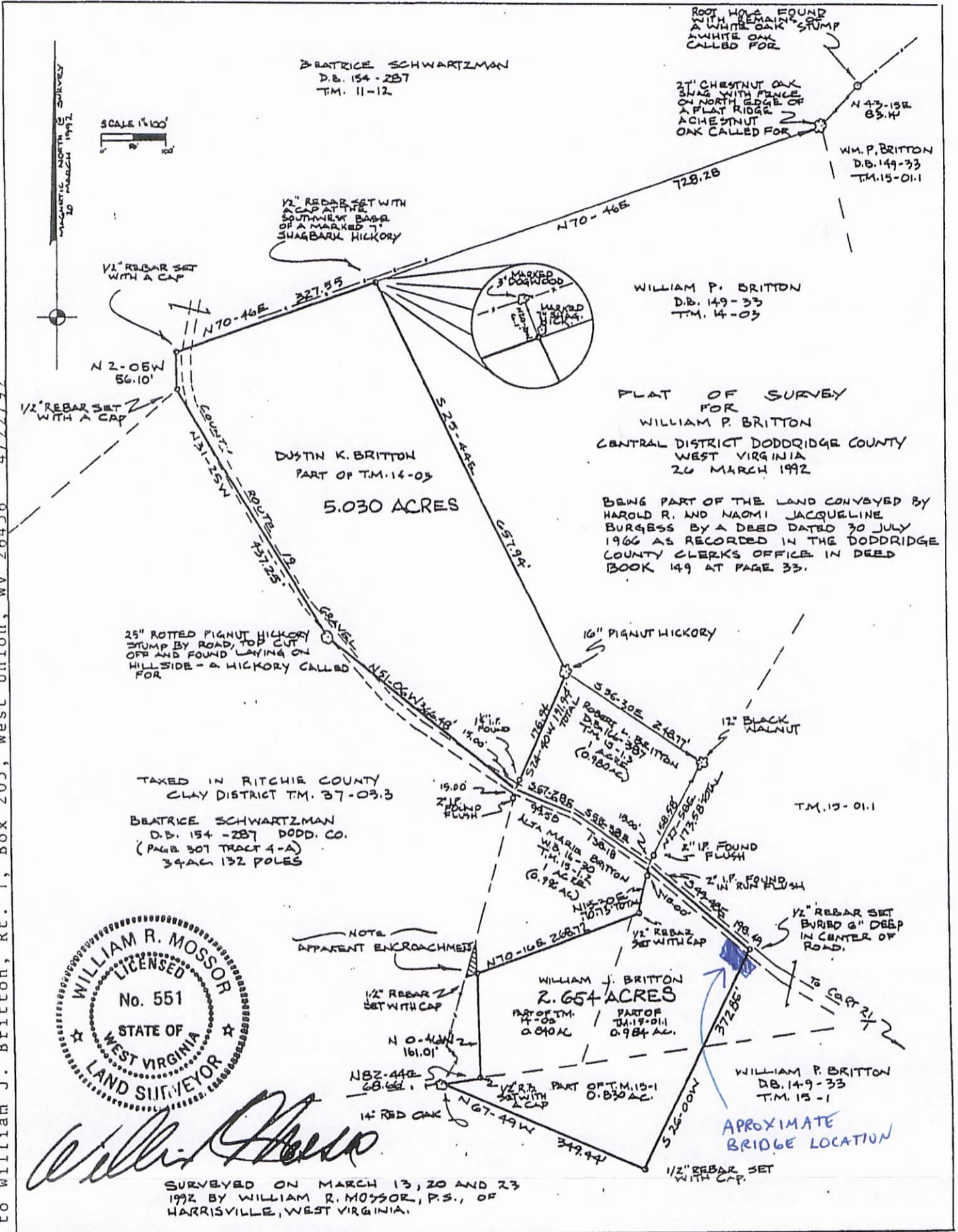
DODDRIDGE COUNTY COMMISSION CLERK'S OFFICE, *November 12* 19*97* *12:30 P.M.*

The foregoing *Deed* together with the certificate thereto annexed, was this day admitted to record in my said office.

JANICE ELLIFRITT COX, Clerk

By: *Beth Ann Keller*, Deputy.

Orig. returned to William J. Britton, Rt. 1, Box 205, West Union, WV 26456 4/22/92



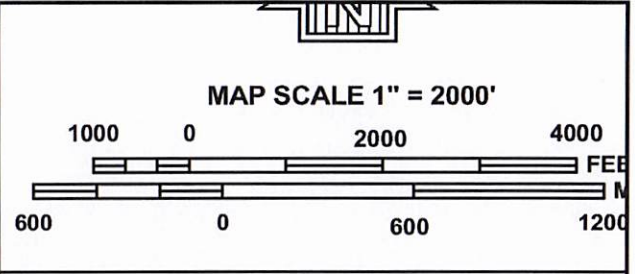
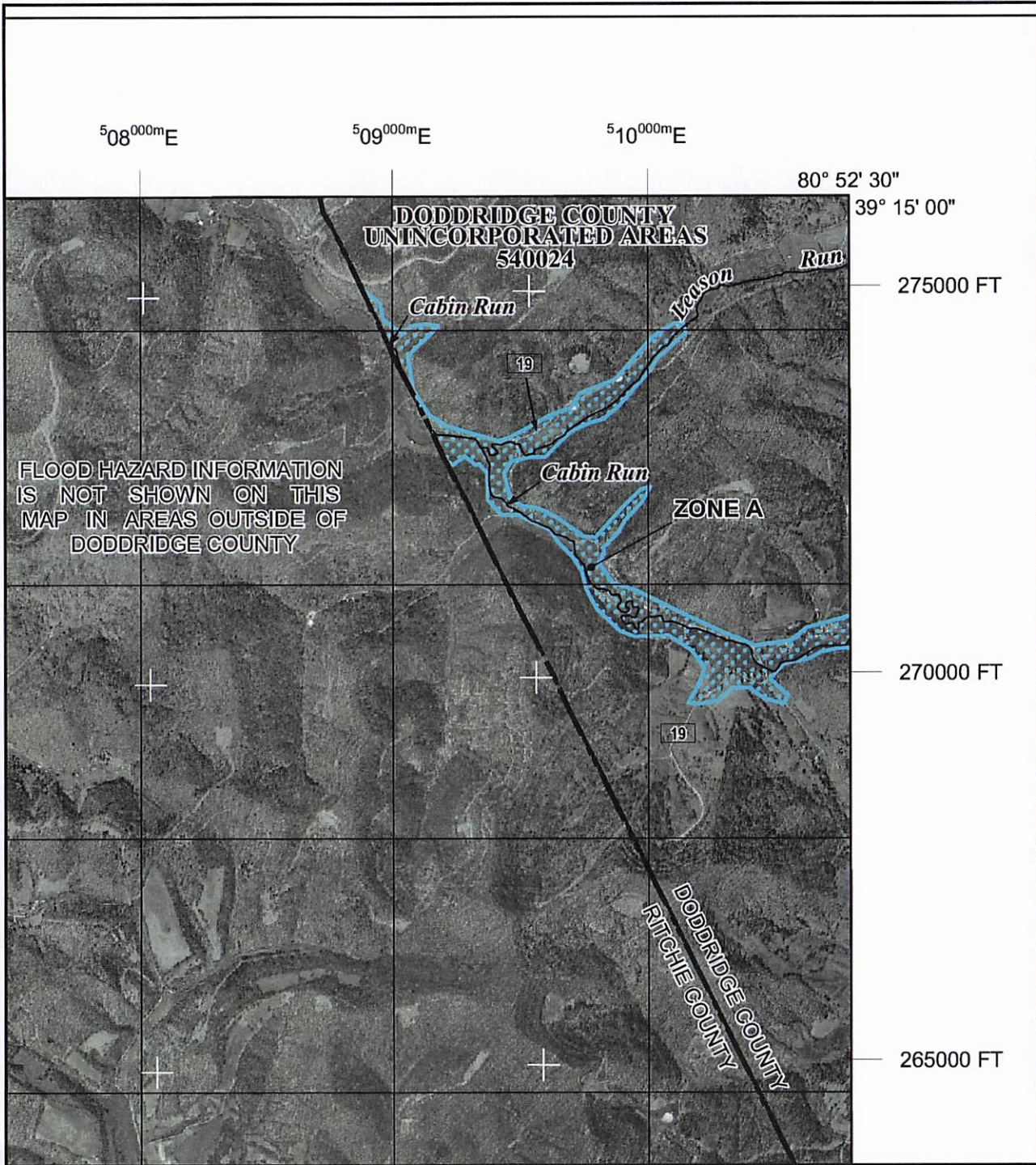
STATE OF WEST VIRGINIA,

DODDRIDGE COUNTY COMMISSION CLERK'S OFFICE, *April 21* 1992 10:19 A.M.

The foregoing *Deed* together with the certificate thereto annexed, was this day admitted to record in my said office.

JANICE ELLIFRITT COX, Clerk

By: *Phyllis J. Ruppert*, Deputy.



NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0200C

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

PANEL 200 OF 325
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0200	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.

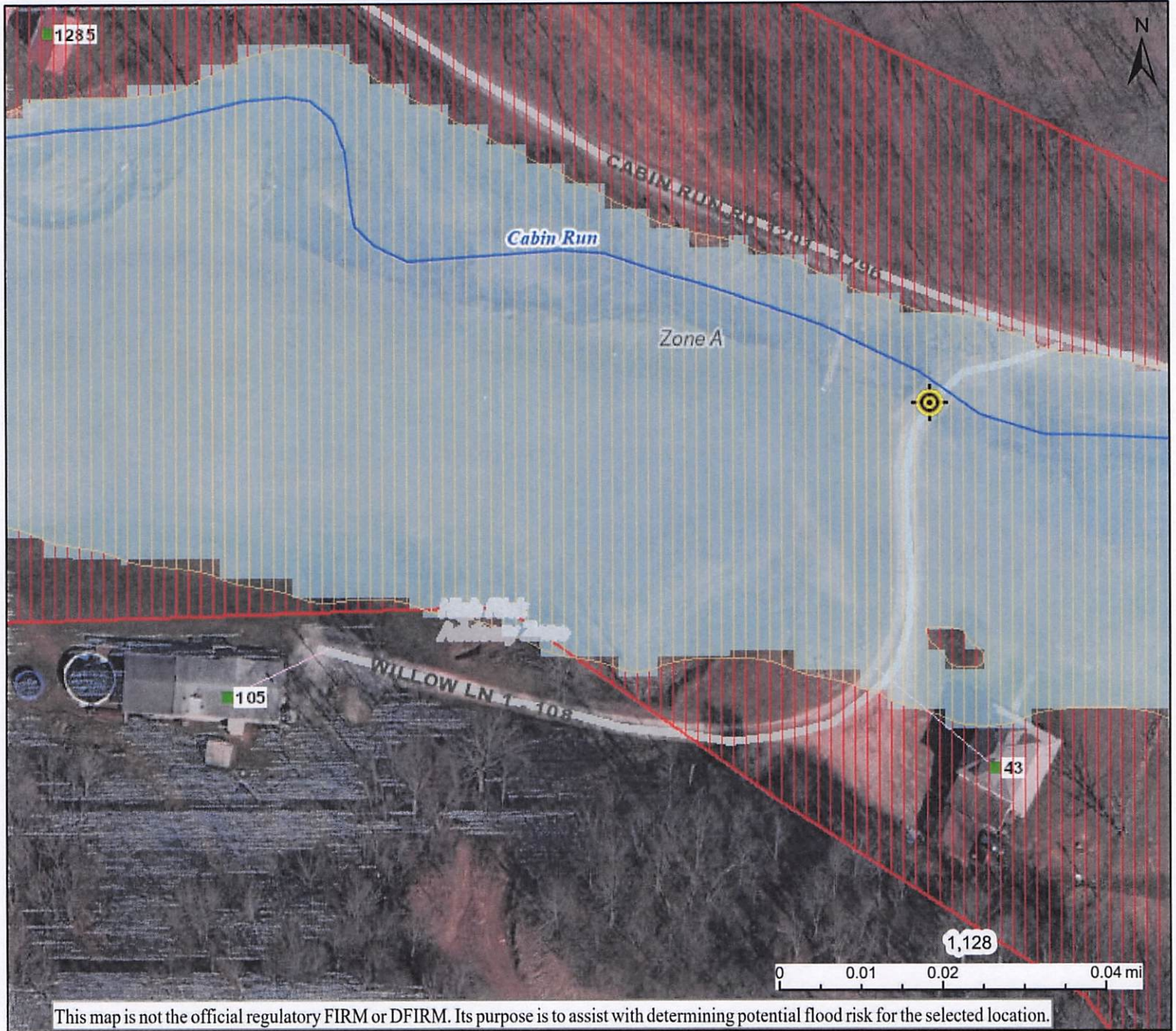


MAP NUMBER
54017C0200C
MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency

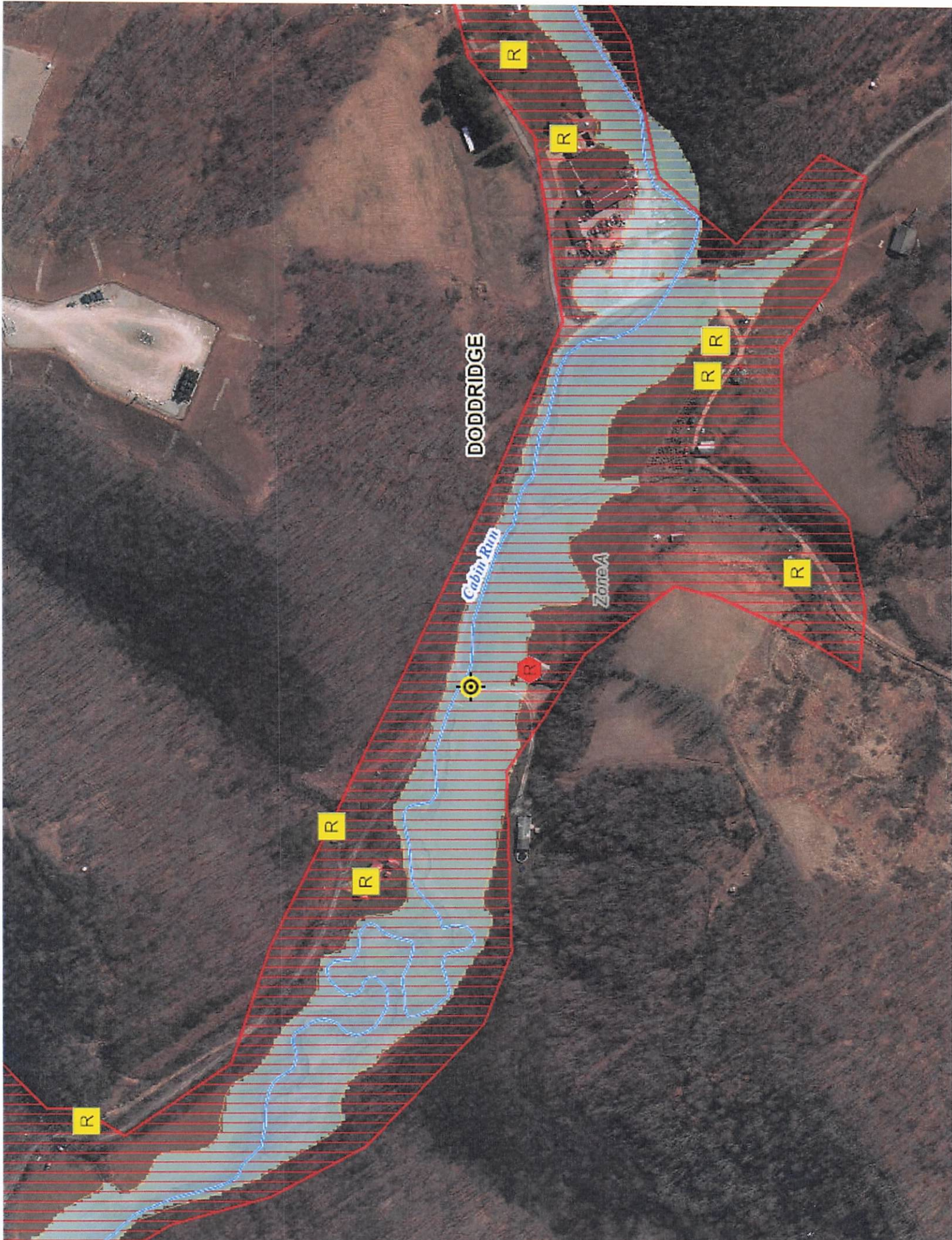
This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Sheet available on the FEMA Flood Map Service Center home page at <https://msc.fema.gov>.

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.

<p>H I G H R I S K</p> <p>Zone AE 1-Percent-Annual-Chance Flood Hazard Area With Base Flood Elevation (BFE)</p> <p>Floodway Regulatory Floodway in AE Zone</p> <p>Zone A 1-Percent-Annual-Chance Flood Hazard Area Without BFE (may have Advisory Flood Heights)</p> <p>Advisory 1-Percent-Annual-Chance High Risk Advisory</p> <p>Download the Full Legend for all flood tool symbols https://www.mapwv.gov/flood/map/docs/wv_flood_tool_legend.pdf</p> <p>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. Refer to the official Flood Insurance Study (FIS) for detailed flood elevation data in flood profiles and data tables. WV Flood Tool (https://www.mapwv.gov/flood) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.</p>		<p> Flood Info Location Map created on 9/12/2022</p> <p>User Notes</p> <p>Flood Hazard Area Location is WITHIN the FEMA 100-year floodplain. Advisory Flood Heights available.</p> <p>Flood Zone A (Advisory Flood Heights available)</p> <p>Stream Cabin Run</p> <p>Watershed (HUC8) Little Kanawha (5030203)</p> <p>Flood Height Flood Height 4 About 817.9 ft (Source: AFH) NAVD88</p> <p>Water Depth About 3.9 ft (Source: HEC-RAS)</p> <p>Elevation 815.4 ft (Source: FEMA 2018-20) (NAVD88)</p> <p>Community & ID Doddridge County (ID: 540024)</p> <p>FEMA Map & Date 54017C0200C; Effective Date: 10/4/2011</p> <p>Location (lat, long) (39.234718, -80.882465) (WGS84)</p> <p>Parcel ID 09-01-0015-0001-0004</p> <p>E-911 Address 105 WILLOW LN, WEST UNION, WV, 26456</p>
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DODDRIDGE

Cabin Run

Zone A

R

R

R

R

R

R

R

R

R



Letter of Transmittal

SLS Land & Energy Development

P.O. Box 150
Glenville, WV 26351
304.462.5634

To: Doddridge County Floodplain Manager

105 Court Street STE 3

West Union, WV 26456

Date: 9/7/2022 **Job No:** 9227

Attention:

Re: Plat & Description of Partition Survey

- We are sending you: Attached Under separate cover via _____ the following:
- Drawings Plans Prints Samples Specifications
- Letter Order Other _____

Copies	Date	Number	Description
1			Floodplain Development Permit Application & Mapping
1			Low-Water Bridge on Cabin Run Repair Narrative
1			West Virginia DNR Agency Approval
1			WV Arts, Culture & History Agency Approval
1			U.S. Fish & Wildlife Agency Approval
1			U.S. Army Corps of Engineers Agency Approval

Transmitted as checked below:

- For approval Approved as noted Resubmit _____ copies for approval
- For your use Approved as submitted Submit _____ copies for distribution
- As requested Returned for corrections Return _____ corrected copies
- For review Other _____

Remarks:

Copy To: SLS Files **Signed:** Amanda Conley



info@sww.com
www.sww.com

September 7, 2022

Doddridge County Floodplain Manager
105 Court Street, Suite 3
West Union, WV 26456

Re: Key Oil Company Bridge Maintenance
Doddridge County, West Virginia

Dear Permit Review Staff;

On behalf of our client Key Oil Company, we are requesting concurrence for the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to have been built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

As stated above, there is approximately 0.022 acres of disturbance within the stream bed of Cabin Run associated with this project.

Other agency permits and clearances are currently being applied for and most have been approved. Please see attached approval for USACE, WVDNR (RTE), WVDNR Office of Land and Streams, & SHPO. We currently are awaiting approval for U.S. Fish and Wildlife. We applied for this permit back in May, but they are currently understaffed and have not been able to provide any approval at this time.

Enclosed please the following for your review:

- Vicinity Mapping
- Exhibit Mapping
- Bridge Repair Narrative
- Agency Approvals
- FEMA Firmette and Aerial map for Floodtool website

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



info@sldswv.com
www.sldswv.com

If additional information is needed or you have any questions about the proposed project, please contact me at the number listed below.

Sincerely,
Chris Moyers
SLS Land & Energy Development
P.O. Box 150
Glennville, WV 26351
(304) 462-5634
cmoyers@sldswv.com

12 Vanhorn Drive, Glennville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



Key Oil Company Low-Water Bridge on Cabin Run Repair Narrative

Key Oil Company plans to repair an existing low-water bridge located on Cabin Run, a tributary to North Fork Hughes River, in Central District, Doddridge County, West Virginia. Please note this existing low-water bridge appears to have been built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432. Construction is planned to commence during dry weather in June 2022. This bridge currently consists of rebar reinforced concrete along with five 15" steel culverts. As you can see in the photo exhibit, the bottom of the bridge has eroded over the years. Key Oil plans to complete this repair in stages as listed below.

1. Only half of the bridge repair is to be completed at a time, in order to keep flow of Cabin Run continuing.
2. Dredge the fill material upstream of the existing steel culverts on the north side of the Cabin Run.
3. Remove the existing 15-inch steel culverts.
4. Dig down to solid material under the bridge.
5. Re-install 2-3 of the steel culverts on the north side of Cabin Run.
6. Form walls under the bridge, keeping water flow on the south side of Cabin Run.
7. Once concrete is cured on the north section of the bridge, re-install remaining culverts on the south side of Cabin Run.
8. Form walls under the bridge, keeping water flow to the north side through the newly re-installed culverts.
9. The end result will consist of retaining to upper existing rebar reinforced concrete top, placing concrete down to solid material below the bridge along with re-installing the existing culverts and dredging the fill material up-stream of the bridge on the north side of Cabin Run.
10. Dredged material more than likely consists of creek gravel and will be placed on the landowners driveway.



info@sldsw.com
www.sldsw.com

April 27, 2022

Regulatory Permits
U.S. Army Corps of Engineers
502 Eighth Street
Huntington, WV 25701-2070

Re: Key Oil Company Bridge Maintenance
Doddridge County, West Virginia

Dear Permit Review Staff;

On behalf of our client Key Oil Company, we are submitting this pre-construction notification to request coverage under Nationwide Permit-3 for the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to be built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

As stated above, there is approximately 0.022 acres of disturbance within the stream bed of Cabin Run associated with this project.

Other agency permits and clearances are currently being applied for. These include US Fish & Wildlife, WV DNR Wildlife Diversity, Office of Land and Streams, and Doddridge County Floodplain permit.

Enclosed please find a CD containing the following for your review:

- USACE PCN Application (ENG FORM 4345)
- Vicinity Mapping
- Exhibit Mapping
- Bridge Repair Narrative

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



info@sldswv.com
www.sldswv.com

If additional information is needed or you have any questions about the proposed project, please contact me at the number listed below.

Sincerely,
Chris Moyers
SLS Land & Energy Development
P.O. Box 150
Glennville, WV 26351
(304) 462-5634
cmoyers@sldswv.com

12 Vanhorn Drive, Glennville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



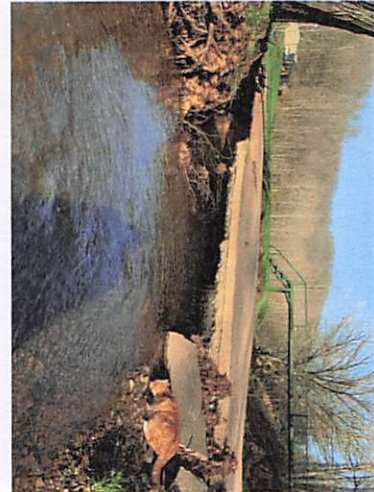
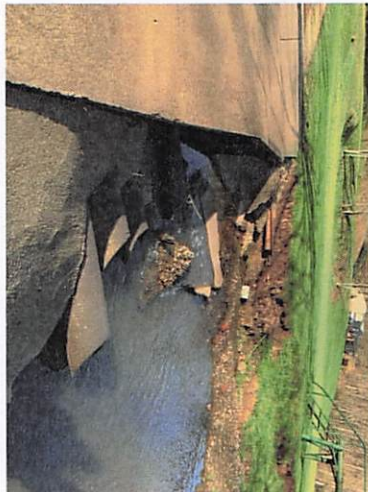
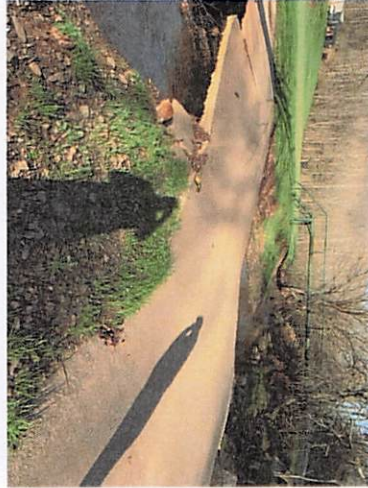
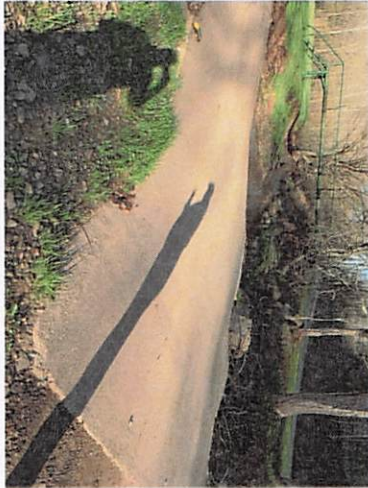
**KEY OIL COMPANY
PROPOSED LOW-WATER
BRIDGE REPAIR**
SITUATE SOUTH OF COUNTY ROUTE 19 AND
ON THE WATERS OF CABIN RUN IN
CENTRAL DISTRICT,
DODDRIDGE COUNTY, WEST VIRGINIA



12 Wynton Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.3634
1422 Kanawha Boulevard, East | Charleston, WV 25301 | 304.246.3952
254 East Beckley Highway | Beckley, WV 26801 | 304.255.5296
www.sls.com

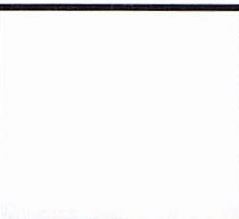
2021 AERIAL VIEW

PROJ. SURVEYOR: CHRIS MCYERS	
PROJ. NO: 9227	SURVEY DATE: 04-15-22
DRAWN BY: CPM	DATE: 04/27/22
DWG NAME: 9227-KEYOIL_SURV-EXHIBIT2-R-02-22-15-CPM.dwg	



PROJ. SURVEYOR: CHRIS MOYERS	
PROJ. NO: 9227	SURVEY DATE: 04-15-22
DRAWN BY: CPM	DATE: 04/27/22
DWG NAME: 9227-KEYOIL_SURV-EXHIBIT2-R05-220415-CPM.dwg	

PHOTOS




SLS
FROM THE GROUND UP

13 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304-462-5654
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304-346-3952
254 East Beckley Bypass | Beckley, WV 25801 | 304-235-5299
slew.com

U.S. Army Corps of Engineers (USACE)
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
 33 CFR 325. The proponent agency is CECW-CO-R.

*Form Approved -
 OMB No. 0710-0003
 Expires: 01-08-2018*

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpcl.dod.mil/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
--------------------	----------------------	------------------	------------------------------

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME First - Greg Middle - Last - Kelley Company - Key Oil Company E-mail Address - gkelleykeyoil3@icloud.com			8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) First - Chris Middle - P Last - Moyers Company - SLS Land & Energy Development E-mail Address - cmoyers@sllswv.com		
6. APPLICANT'S ADDRESS: Address- 22 Garton Plaza City - Weston State - WV Zip - 26452 Country - USA			9. AGENT'S ADDRESS: Address- P.O. Box 150, 12 VanHorn Drive City - Glenville State - WV Zip - 26351 Country - WV		
7. APPLICANT'S PHONE NOS. w/AREA CODE a. Residence 304-588-7610 b. Business 304-269-7102 c. Fax			10. AGENTS PHONE NOS. w/AREA CODE a. Residence 304-517-4025 b. Business 304-462-5634 c. Fax 304-462-5656		

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Chris Moyers to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.


4/28/22
 _____ DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Low-Water Bridge Repair on Cabin Run		
13. NAME OF WATERBODY, IF KNOWN (if applicable) Cabin Run of North Fork Hughes River		14. PROJECT STREET ADDRESS (if applicable) Address 105 Willow Lane
15. LOCATION OF PROJECT Latitude: +N 39.234727 Longitude: +W -80.882464		City - West Union State- WV Zip- 26456
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID 1-15-1.4 Municipality Section - Township - Range -		

17. DIRECTIONS TO THE SITE

Beginning at the intersection of US Route 50 and Doddridge County Route 50/30 (Sunnyside Road), proceed south on County Route 50/30 1.90 miles +/- to County Route 21 (Oxford Road). Turn left onto County Route 21 traveling south 2.0 miles +/- to County Route 21/1. Turn right onto County Route 21/1 traveling 1.0 miles southwest to County Route 19. Turn right onto County Route 19 traveling west 0.20 miles to the existing low-water bridge on the left.

18. Nature of Activity (Description of project, include all features)

Key Oil Company plans to repair an existing low-water bridge located on Cabin Run, a tributary to North Fork Hughes River, in Central District, Doddridge County, West Virginia. Please note this existing low-water bridge appears to have been built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432. Construction is planned to commence during dry weather in June 2022. This bridge currently consists of rebar reinforced concrete along with five 15" steel culverts.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

As you can see from our photo exhibit, the bottom portion of the low-water bridge has eroded. Key Oil plans to form up the lower portion, re-install the culverts, and re-grout as needed. Also involved in this project is dredging material upstream of the existing crossing for approximately 70 feet on the north side of Cabin Run.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

As you can see from our photo exhibit, the bottom portion of the low-water bridge has eroded. Key Oil plans to form up the lower portion, re-install the culverts, and re-grout and re-pour concrete as needed. Also involved in this project is dredging material upstream of the existing crossing for approximately 45 feet +/- on the north side of Cabin Run. Dredge material most likely consists of creek gravel and will be placed on the landowners driveway.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
Concrete (40-50 CY)		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres .022
or
Linear Feet 70'+/-

23. Description of Avoidance, Minimization, and Compensation (see instructions)

Key Oil plans on completing this work in the driest portion of June to have the bridge repair completed by July 1, 2022. All stream disturbance plans to be as minimal as possible, keeping the dredging confined to under the bridge and also upstream of the bridge approximately 45'+/-, but only on the north side of Cabin Run.

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

This is an existing low-water bridge, already in place. The permit application is for the repair of this low-water bridge.

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- 105 Willow Land

City - West Union State - WV Zip - 26456

b. Address-

City - State - Zip -

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
US Fish & Wildlife			04/28/2022		
Office Land & Stream			04/28/2022		
WVDNR Wildlife			04/28/2022		
Doddridge Co Flood			04/28/2022		

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.


SIGNATURE OF APPLICANT

4/28/22
DATE


SIGNATURE OF AGENT

4/28/22
DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, HUNTINGTON DISTRICT
502 8TH STREET
HUNTINGTON, WV 25701-2018

June 29, 2022

Regulatory Division
Energy Resource Branch
LRH-2022-383-LKR-Cabin Run

NATIONWIDE PERMIT NO. 14 VERIFICATION

Mr. Greg Kelley
Key Oil Company
22 Garton Plaza
Weston, WV 26452

Dear Mr. Kelley:

I refer to the pre-construction notification (PCN) requesting a Department of the Army (DA) authorization for the discharge of dredged and/or fill material into waters of the United States (U.S.) in association with the Cabin Run Low Water Bridge Repair. The proposed project is located near Joy, in Doddridge County, West Virginia (39.234739, -80.882514). Onsite waters flow into Cabin Run, an indirect tributary to the Little Kanawha River, a traditional navigable water of the U.S. Your PCN has been assigned the following file number: LRH-2022-383-LKR-Cabin Run. Please reference this number on all future correspondence related to this project.

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

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 the proposed project will not involve activities subject to the requirements of Section 10. However, the proposed project will include the discharge of dredged and/or fill material into waters of the U.S. subject to the requirements of Section 404.

In the submitted PCN materials, you have requested a DA authorization for the permanent discharge of dredged and/or fill material into 30 linear feet of one (1) stream, as well as the temporary discharge of dredged and/or fill material into 30 linear feet of one (1) stream in association with the construction of the Cabin Run Low Water Bridge Repair. The discharge of dredged and/or fill material into waters of the U.S. is described in the enclosed Table 1. All work will be conducted in accordance with the PCN received in this office on May 10, 2022.

Based on the provided information, it has been determined the proposed project meets the criteria for Nationwide Permit (NWP) No. 14 (enclosed) under the December 27, 2021, Federal Register (FR), Reissuance and Modification of Nationwide Permits (86 FR 73522) provided you comply with all terms and conditions of the enclosed material, the enclosed special conditions, and the Section 401 Water Quality Certification (401 WQC) issued by the West Virginia Department of Environmental Protection (WVDEP). A copy of this NWP can be found on our website at <http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>.

Please be aware this NWP verification does not obviate the requirement to obtain other local, state, and federal authorizations. 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 14, 2026. 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 14, 2026, 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.

A copy of this NWP and verification letter must be supplied to your project engineer responsible for construction activities. A copy of the verification letter must be kept at the site during construction. Upon completion of the work associated with this project, the attached certification must be signed and returned to this office. If you have any questions concerning the above, please contact Emma K. Kist of the Energy Resource Branch at 304-399-6900 or by email at emma.k.kist@usace.army.mil.

Sincerely,

Kimberly Courts-Brown

Kimberly D. Courts Brown
Regulatory Project Manager
Energy Resource Branch

Enclosures

cc: via email

Mr. Chris Moyers
SLS Land & Energy Development
cmoyers@slswv.com

Table 1. Authorized discharge of dredged and/or fill material into waters of the United States in association with the Cabin Run Low Water Bridge Repair – LRH-2022-383-LKR-Cabin Run.

Aquatic Resource ID	Longitude (°N) & Latitude (°W)	Fill Length (lf)	Fill Area (ac)	Duration of Fill	Description of the Regulated Activity
Cabin Run	39.234739, -80.882514	30	0.012	Permanent	Culvert Replacement and concrete reinforcement
Cabin Run	39.234739, -80.882514	30	0.010	Temporary	Temporary water diversion wall

**Nationwide Permit NO. 14 Verification Special Conditions for the
Cabin Run Low Water Bridge Repair
LRH-2022-383-LKR-Cabin Run**

1 of 1

1. Enclosed is a copy of Nationwide Permit 14, which will be kept at the site during construction. A copy of the nationwide permit verification and special conditions must be kept at the site during construction. The permittee will supply a copy of these documents to their project engineer responsible for construction activities.
 2. Construction activities will be performed during low flow conditions to the greatest extent practicable. Additionally, appropriate site-specific best management practices for sediment and erosion control will be fully implemented during construction activities at the site.
 3. Upon completion of the activity authorized by this nationwide permit verification, the enclosed certification must be signed and returned to this office.
 4. No area for which grading has been completed will be unseeded or unmulched for longer than 14 days. All disturbed areas will be seeded and/or revegetated with native species and approved seed mixes (where practicable) after completion of construction activities for stabilization and to help preclude the establishment of non-native invasive species
 5. 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 must submit written information concerning proposed modification(s) to this office for review and evaluation, as soon as practicable.
 6. In the event any previously unknown historic or archaeological sites or human remains are uncovered while accomplishing the activity authorized by this nationwide permit authorization, the permittee must cease all work in waters of the United States immediately and contact local, state and county law enforcement offices (only contact law enforcement on findings of human remains), the Corps at 304-399-5610 and the West Virginia State Historic Preservation Office at 304-558-0220. The Corps will initiate the Federal, state and tribal coordination required to comply with the National Historic Preservation Act and applicable state and local laws and regulations. Federally recognized tribes are afforded a government-to-government status as sovereign nations and consultation is required under Executive Order 13175 and 36 CFR Part 800.
 7. Section 7 obligations under the Endangered Species Act (Section 7) 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 USFWS, or new species are listed, or critical habitat designated that might be affected by the subject project.
-



info@sww.com
www.sww.com

April 27, 2022

Environmental Resources Specialist
Wildlife Diversity Unit
West Virginia Division of Natural Resources
P.O. Box 67
Elkins, WV 26241-3235

Re: Key Oil Company Bridge Maintenance
Doddridge County, West Virginia

Dear Permit Review Staff;

On behalf of our client Key Oil Company, we are requesting concurrence that no federally or state listed rare, threatened and endangered (RTE) species, wetlands, high quality streams, sensitive or unique habitats, special management areas, and fish and game populations fall within the proposed Limits of Disturbance along with any comments your agency may have for the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to have been built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

As stated above, there is approximately 0.022 acres of disturbance within the stream bed of Cabin Run associated with this project.

Other agency permits and clearances are currently being applied for. These include US Fish & Wildlife, USACE, Office of Land and Streams, & Doddridge County Floodplain Permit.

Enclosed please the following for your review:

- Vicinity Mapping
- Exhibit Mapping
- Bridge Repair Narrative

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



info@sldwv.com
www.sldwv.com

If additional information is needed or you have any questions about the proposed project, please contact me at the number listed below.

Sincerely,
Chris Moyers
SLS Land & Energy Development
P.O. Box 150
Glenville, WV 26351
(304) 462-5634
cmoyers@sldwv.com

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



Governor Jim Justice

Director Brett W. McMillion

MAY 11 2022

May 4, 2022

Mr. Chris Moyers
SLS Land & Energy Development
PO Box 150
Glennville, WV 26351

Dear Mr. Moyers:

We have reviewed Natural Heritage Program files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed Key Oil Company Bridge Replacement project on Cabin Run, Doddridge County, WV.

We have no known records of any RTE species or sensitive habitats within the project area. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review. This response is valid for two years.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, or barbara.d.sargent@wv.gov. An invoice is enclosed.

Sincerely,

A handwritten signature in blue ink, appearing to read "Barbara Sargent".

Barbara Sargent
Environmental Resources Specialist
Environmental Coordination
Operations Unit

Drive\Invoices\SLS



Governor Jim Justice

Director Brett W. McMillion

INVOICE

NO. 222-568

In Account With: SLS Land & Energy Development Company
PO Box 150
Glennville, WV 26351

Date: May 4, 2022

Attention: Mr. Chris Moyers

For the retrieval and compilation of information on rare, threatened, and endangered species and sensitive habitats for the proposed Key Oil Company Bridge Replacement project on Cabin Run, Doddridge County, WV.

AMOUNT DUE: \$75.00

Make check payable to the WV Division of Natural Resources, and mail to the attention of Kathy Scott Shreve at the address below.

Please reference the invoice number on your check.



Governor Jim Justice

Director Brett W. McMillion

June 11, 2022

RECEIVED JUN 27 2022

Division of Natural Resources
Office of Land and Streams
LICENSE and RIGHT of ENTRY

Re: R-2022-VI-09-14897

Key Oil Company
Attention: Greg Kelley
22 Garton Plaza
Weston, WV 26452

Dear Mr. Kelley:

The West Virginia Division of Natural Resources (WVDNR) hereby grants to you, from the date hereof, a License and Right of Entry to install, maintain, and use a low water ford crossing (Low-Water Bridge Repair), along Cabin Run, in Central District, near Joy, in Doddridge County, West Virginia.

The issuance of this License and Right of Entry by the WVDNR does not preclude the necessity to obtain permits from the U.S. Army Corps of Engineers (USACE), W.V. Department of Environmental Protection (WVDEP), or the W.V. Division of Homeland Security and Emergency Management (WVDHSEM). The Right of Entry does not negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations.

The applicant must contact the following agencies and abide by the following conditions:

1. The USACE may require either an Individual Clean Water Act 404 permit or a Nationwide Permit. Contact the Huntington District (304-399-5210) or the Pittsburgh District (412-395-7155) for more information. Information can also be found at <http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>
2. The WVDEP (304-926-0499) may require the following permits:
 - a. A Clean Water Act Section 401 Water Quality Certification
<http://www.dep.wv.gov/WWE/Programs/Pages/401Certification.aspx>
 - b. Construction Stormwater Site Registration and Notice of Intent. Not needed if disturbance less than 1-acre http://dep.wv.gov/WWE/Programs/stormwater/Pages/sw_home.aspx
3. The WVDEP Erosion and Sediment Control Best Management Practice Manual, Revised 2016, must be followed. Copies of those guidelines are available from the Division of Water and Waste Management, (304) 926-0495 or at http://www.dep.wv.gov/WWE/Programs/stormwater/csw/Pages/ESC_BMP.aspx
4. The WVDHSEM may require a Floodplain Permit. WVDHSEM can be contacted at: (304) 957-2571
5. No in-stream work during the cold water and warm water fish spawning seasons (September 15- March 31 and April 1- June 30, respectively). If in-stream impacts cannot be avoided during the applicable fish spawning season, contact the WVDNR Environmental Coordination Unit at (304) 637-0245.

6. Threatened or Endangered aquatic species identified by the U.S. Fish and Wildlife Service are listed in Appendix A of the 2017 USACE Nationwide Permits. The U.S. Fish and Wildlife Service Field Office should be contacted (304) 636-6568 for any activity in waterways listed in Appendix A.
<http://www.lrp.usace.army.mil/Portals/72/docs/regulatory/2017%20Public%20Notices/West%20Virginia%20-%20NWP%20March%202017%20PN.pdf?ver=2017-03-22-095505-870>
7. Survey requirements for streams with mussel populations are described in the West Virginia Mussel Survey Protocols. Contact the WVDNR Environmental Coordination Unit for information concerning mussels at (304) 637-0245.
<http://www.wvdnr.gov/Mussels/West%20Virginia%20Mussel%20Survey%20Protocols%20APR2016.pdf>

Additionally, this Right of Entry does not provide for the applicant to work outside the requested boundaries. The State does not 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. 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 the applicant fails or refuses 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 WVDNR may reject further applications.**

Your payment is now due and payable in the amount of \$100.00 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,



Brett W. McMillion
Director

BWM:cb

cc: Office of Land and Streams
DNR Fish Biologist
Jeremy Bandy, Environmental Enforcement
Natural Resources Police Officer
WV DNR Coordination Unit



info@sldsw.com
www.sldsw.com

April 29, 2022

Deputy State Historic Preservation Officer
The Culture Center
1900 Kanawha Blvd., E
Charleston, WV 25305-0300

Re: Key Oil Company, Low-Water Bridge Repair
Doddridge County, West Virginia

Dear Review Staff;

On behalf of our client Key Oil Company, we are asking your review of this site for concurrence. The project consists of the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to be built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

We are currently in the process of submitting applications to the US Army Corps of Engineers, USFW, Doddridge County Floodplain permit, WV DNR Office of Land & Streams, and WVDNR Wildlife Diversity for permits. We are requesting your review and determination of any effects on cultural resources in your database. This project only consists of repairing the existing bridge and dredging a short span upstream of the bridge to promote water flow into the repaired culverts. Due to this project only being a repair of an existing structure, we feel there will be no impacts of architectural or archeological resources. The nearest site listed on the WV SHPO GIS Viewer is approximately 0.41 miles away and this site would not affect any visual components of that historic site. If you have any questions, please contact me at the address below.

Thank you in advance for your review of this project.

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



info@sldwv.com
www.sldwv.com

Enclosed please find the following for your review:

- Low-Water Bridge Repair Narrative
- Vicinity Mapping
- Exhibits

Sincerely,
Chris Moyers
SLS Land & Energy Development
P.O. Box 150
Glenville, WV 26351
(304) 462-5634
cmoyers@sldwv.com

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



West Virginia Department of
**ARTS, CULTURE
AND HISTORY**

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

Randall Reid-Smith, Curator
Phone 304.558.0220 • www.wvculture.org
Fax 304.558.2779 • TDD 304.558.3562
EEC/AA Employer

June 10, 2022

Mr. Chris Moyers
SLS Land & Energy Development
P.O. Box 150
Glenville, WV 26351
Email: cmoyers@slswv.com

RE: Key Oil Company, Low-Water Bridge Repair
FR#: 22-628-DO

Dear Mr. Moyers:

We have reviewed the information that was submitted in support of the above-mentioned project. 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.

According to the submitted information, Key Oil Company proposes to repair and maintain an existing low-water bridge that crosses Cabin Run in Doddridge County, WV approximately 3.6 miles upstream of the North Fork of Hughes River. The site is located off of County Route 19. The proposed limits of disturbance (LOD) total 0.022 acre. The proposed project will involve culvert replacement and dredging a short span of the north bank upstream of the bridge. No tree clearing is proposed.

Archaeological Resources:

A search of our files indicates that no previously documented archaeological sites are located within or adjacent to the proposed project area. In addition, available information suggests that the proposed activities will be confined to previously disturbed terrain or the active stream channel, where encountering significant archaeological sites would be unlikely. As a result, it is our opinion that the proposed project will have no effect on archaeological historic properties. No further consultation is necessary regarding archaeological resources. However, if archaeological materials are encountered, please cease all activity in the discovery area and contact this office immediately.

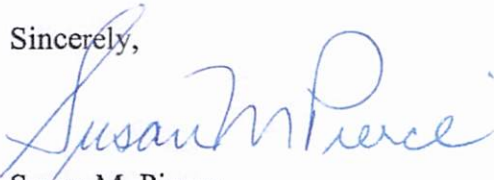
Architectural Resources:

We have reviewed the submitted information and determined that no architectural properties eligible for or included in the National Register of Historic Places are located within the proposed project's direct or indirect Area of Potential Effects (APE). Work for the project consists of repair to a non-eligible (less than 45 years of age) bridge. No further consultation is necessary regarding architectural resources; however, we ask that you contact our office if your project should change.

June 10, 2022
Mr. Moyers
FR# 22-628-DO
Page 2

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 Stephen L. Gifford, Structural Historian at (304) 558-0240.*

Sincerely,



Susan M. Pierce
Deputy State Historic Preservation Officer

SMP/LLD/SLG



info@slsww.com
www.slsww.com

April 27, 2022

Biological Science Technician
U.S. Fish and Wildlife Service
West Virginia Field Office
694 Beverly Pike
Elkins, WV 26241

Re: Key Oil Company Bridge Maintenance
Doddridge County, West Virginia

Dear Permit Review Staff;

On behalf of our client Key Oil Company, we are asking your review of this site for concurrence the project will not have any adverse impacts to rare, threatened, or endangered species. The project consists of the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to be built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

As stated above, there is approximately 0.022 acres of disturbance within the stream bed of Cabin Run associated with this project.

Other agency permits and clearances are currently being applied for. These include USACE, WV DNR Wildlife Diversity, and Doddridge County Floodplain permit.

Enclosed please find the following for your review:

- Vicinity Mapping
- Exhibit Mapping
- Bridge Repair Narrative

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



info@sldswv.com
www.sldswv.com

If additional information is needed or you have any questions about the proposed project, please contact me at the number listed below.

Sincerely,
Chris Moyers
SLS Land & Energy Development
P.O. Box 150
Glenville, WV 26351
(304) 462-5634
cmoyers@sldswv.com

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634

Table. *Initial Assessment of Potential Impacts to Species*

Important information for use of Table

The below table will guide a project proponent through a series of questions to assess potential impacts (this includes adverse and beneficial) that their projects may have on federally listed species. The goal of this table is to efficiently assess potential actions that may have no effect to federally listed species in West Virginia.

**Should the questions for your project result in a “no effect” determination for all species identified in your IPaC review, no further coordination with the West Virginia Field Office (WVFO) is needed.*

Please note that potential impacts (affects) may be beneficial or adverse. Should the answers to the questions result in a potential impact (affect), either beneficial or adverse to any species identified in your IPaC review, **you should submit project to FW5_WVFO@fws.gov (see instructions on project review page for WVFO).**

Table. Initial Assessment of Potential Impacts to Species

Species	Question 1	Question 2	Question 3	Question 4
Indiana bat Note: This project is a repair of a low-water bridge. It contains multiple 15-inch steel culverts, but are in no way suitable for bat habitat in my opinion. Please see provided exhibits and photos.	Will the project involve any tree removal or trimming? Yes = Potential impact, submit project to WVFO. No = Proceed to Question 2.	Are there any caves or anthropogenic features, ¹ suitable for hibernating or roosting bats within the proposed project area? Yes = Potential impact, submit project to WVFO. No = Proceed to Question 3.	Is your project within known summer maternity or spring staging/fall swarming areas for the Indiana bat? ² Yes = Proceed to Question 4. No = No Effect*.	Will the project involve any stream/wetland impacts? Yes = Potential impact, submit project to WVFO. No = No Effect*.
Northern long-eared bat	Is your project within 150-feet of a documented NLEB roost tree or ¼ mile of a documented NLEB hibernacula according to IPaC? ² Yes = Potential impact, submit project to WVFO. No = Final 4(d) Rule applies ³ . Submit streamlined 4(d) Rule form to WVFO.			

¹Caves and anthropogenic features include caves and all associated features (e.g., sinkholes, rock fissures), mine portals, tunnels, and bridges. Consult Range-wide Indiana Bat Survey Guidelines, Appendix H: [Potential Hibernaculum Survey Guidance](#) for more specific information on potential Indiana Bat hibernacula. For guidance related to bridge suitability, refer to FHWA Programmatic Biological Assessment, Appendix B: [Bridge / Abandoned Structure Assessment Guidance](#).

² This information is located on your official species list from IPaC.

³ On March 23, 2022, the Service published a proposal to reclassify the northern long-eared bat (NLEB) as endangered under the Endangered Species Act. The U.S. District Court for the District of Columbia has ordered the Service to complete a new final listing determination for the NLEB by November 2022 (Case 1:15-cv-00477, March 1, 2021). Depending on the type of effects a project has on NLEB, the change in the species' status may trigger the need to re-initiate consultation for any actions that are not completed and for which the Federal action agency retains discretion once the new listing determination becomes effective (anticipated to occur by December 30, 2022). If your project may result in incidental take of NLEB after the new listing goes into effect this will first need to be addressed in an updated consultation that includes an Incidental Take Statement. If your project may require re-initiation of consultation, please contact the WVFO for additional guidance.

Table. Initial Assessment of Potential Impacts to Species

<p>Virginia big-eared bat <small>Not listed in the Endangered Species List</small></p>	<p>Will your project occur within a known use area for this species²?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>			
<p>Gray bat <small>Not listed in the Endangered Species List</small></p> <p><small>Note: This project is a repair of a low-water bridge. It contains multiple 15-inch steel culverts, but are in no way suitable for bat habitat in my opinion. Please see provided exhibits and photos.</small></p>	<p>Are there any caves, mine portals, bridges, fissures, structures, or culverts within the proposed project area?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = Proceed to Question 2.</p>	<p>Will the project involve any stream/wetland impacts?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>		
<p>Cheat Mountain salamander</p>	<p>Does the project occur within forested habitat above 2,000 feet in elevation in Grant, Pendleton, Pocahontas, Randolph, or Tucker counties?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>			

Table. *Initial Assessment of Potential Impacts to Species*

<p>Flat-spired three toothed land snail</p>	<p>Will your project impact sandstone outcrops, cliff line features, emergent boulders, or talus slopes in the Cheat River Gorge?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>			
<p>Madison Cave isopod</p>	<p>Will earth moving activities occur as part of the project in Jefferson or Berkeley counties?</p> <p>Yes = Proceed to Question 2.</p> <p>No = No Effect*.</p>	<p>Will the activity occur entirely within a previous construction footprint?</p> <p>Yes= No Effect*.</p> <p>No = Proceed to Question 3.</p>	<p>Will the project affect any wells, springs, sinkholes, or caves; result in the creation of new sinkholes; result in changes to hydrology, groundwater recharge, or water levels; cause sedimentation from earth disturbance; or place debris or other materials within 100-feet of a sinkhole?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>	
<p>Rusty-patched bumble bee</p>	<p>Is your project within a RPBB High Potential Zone?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>			

Table. *Initial Assessment of Potential Impacts to Species*

<p>Harperella</p>	<p>Will the project directly affect the streambed (below ordinary high-watermark) or the streambanks and riparian vegetation of Back Creek, Sleepy Creek, Potomac River, or Cacapon River?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = Proceed to Question 2.</p>	<p>Will the project involve earth moving that could cause erosion, sedimentation, or contamination within close proximity² to these streams?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>		
<p>Virginia spiraea</p>	<p>Will the project directly affect the streambed (below ordinary high-watermark) or the streambanks and riparian vegetation of the Lower New, Meadow, Marsh Fork, Gauley, Greenbrier, Buckhannon or Bluestone rivers?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = Proceed to Question 2.</p>	<p>Will the project involve earth moving that could cause erosion, sedimentation, or contamination within close proximity² to these rivers?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>		
<p>Northeastern bulrush</p>	<p>Will the project affect any wetlands in Berkeley or Hardy counties?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>			

Table. Initial Assessment of Potential Impacts to Species

<p>Shale barren rock cress</p>	<p>Will the project affect any shale barrens in Greenbrier, Hardy, or Pendleton counties?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>			
<p>Small whorled pogonia</p>	<p>Does the project occur within deciduous forest in Greenbrier, Randolph, Tucker, or Pocahontas counties?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>			
<p>Federally listed aquatic species (includes mussels, crayfish, and darters)</p> <p><i>If your project occurs within close proximity of a stream providing habitat for a federally listed species², answer the Question 1.</i></p> <p><i>If your project occurs within a watershed known to support a federally listed species², see the row below (within watershed only).</i></p>	<p>Will the project directly affect the streambed (below ordinary high-watermark) of the stream or tributary?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = Proceed to Question 2.</p>	<p>Will the project bore underneath (directional bore or horizontal directional drill) a mussel/crayfish/darter stream?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = Proceed to Question 3.</p>	<p>Will the project involve earth moving within close proximity to a mussel/crayfish/darter stream?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = Proceed to Question 4.</p>	<p>Will the project affect fish quantities⁴ or water quantity/quality⁵ in a mussel/crayfish/darter mussel stream?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>

Table. *Initial Assessment of Potential Impacts to Species*

<p>Aquatic species (within watershed only)²</p>	<p>Will the project involve earth moving that could cause erosion, sedimentation, or contamination into waterways?</p> <p>Yes = Proceed to Question 2.</p> <p>No = No Effect*.</p>	<p>Will the impacts (sedimentation into waterways) occur within a tributary of a stream that provides habitat for federally listed species?</p> <p>Yes = Potential impact, submit project to WVFO.</p> <p>No = No Effect*.</p>		
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⁴ Projects that could affect fish movement include but are not limited to: stocking or harvesting, or any project that could result in an increase to recreational fishing.

⁵ This includes water withdrawals and discharge of contaminants (even with a NPDES permit).



United States Department of the Interior



FISH AND WILDLIFE SERVICE
West Virginia Ecological Services Field Office
6263 Appalachian Highway
Davis, WV 26260-9475
Phone: (304) 866-3858 Fax: (304) 866-3852

In Reply Refer To:
Project code: 2022-0037001
Project Name: Low-Water Bridge Repair on Cabin Run

May 06, 2022

Subject: Consistency letter for the 'Low-Water Bridge Repair on Cabin Run' project indicating that any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Dear Christopher Moyers:

The U.S. Fish and Wildlife Service (Service) received on May 06, 2022 your effects determination for the 'Low-Water Bridge Repair on Cabin Run' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. You indicated that no Federal agencies are involved in funding or authorizing this Action. This IPaC key assists users in determining whether a non-Federal action may cause “take”^[1] of the northern long-eared bat that is prohibited under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the Action is not likely to result in unauthorized take of the northern long-eared bat.

Please report to our office any changes to the information about the Action that you entered into IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation.

If your Action proceeds as described and no additional information about the Action’s effects on species protected under the ESA becomes available, no further coordination with the Service is required with respect to the northern long-eared bat.

The IPaC-assisted determination for the northern long-eared bat **does not** apply to the following ESA-protected species that also may occur in your Action area:

- Clubshell *Pleurobema clava* Endangered

- Indiana Bat *Myotis sodalis* Endangered
- Monarch Butterfly *Danaus plexippus* Candidate
- Snuffbox Mussel *Epioblasma triquetra* Endangered

You may coordinate with our Office to determine whether the Action may cause prohibited take of the animal species listed above.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Low-Water Bridge Repair on Cabin Run

2. Description

The following description was provided for the project 'Low-Water Bridge Repair on Cabin Run':

On behalf of our client Key Oil Company, we are asking your review of this site for concurrence the project will not have any adverse impacts to rare, threatened, or endangered species. The project consists of the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to be built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

Construction is planned to commence during dry weather in June 2022. This bridge currently consists of rebar reinforced concrete along with five 15" steel culverts. As you can see in the photo exhibit, the bottom of the bridge has eroded over the years. Key Oil plans to complete this repair in stages as listed below.

1. Only half of the bridge repair is to be completed at a time, in order to keep flow of Cabin Run continuing.
 2. Dredge the fill material upstream of the existing steel culverts on the north side of the Cabin Run.
 3. Remove the existing 15-inch steel culverts.
 4. Dig down to solid material under the bridge.
 5. Re-install 2-3 of the steel culverts on the north side of Cabin Run.
 6. Form walls under the bridge, keeping water flow on the south side of Cabin Run.
 7. Once concrete is cured on the north section of the bridge, re-install remaining culverts on the south side of Cabin Run.
 8. Form walls under the bridge, keeping water flow to the north side through the newly re-installed culverts.
 9. The end result will consist of retaining to upper existing rebar reinforced concrete top, placing concrete down to solid material below the bridge along with
-

re-installing the existing culverts and dredging the fill material up-stream of the bridge on the north side of Cabin Run.

10. Dredged material more than likely consists of creek gravel and will be placed on the landowners driveway.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@39.2347293,-80.88245222331031,14z>



Determination Key Result

This non-Federal Action may affect the northern long-eared bat; however, any take of this species that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o).

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on **May 15, 2017**. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for non-Federal actions is to assist determinations as to whether proposed actions are excepted from take prohibitions under the northern long-eared bat 4(d) rule.

If a non-Federal action may cause prohibited take of northern long-eared bats or other ESA-listed animal species, we recommend that you coordinate with the Service.

Determination Key Result

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

No

2. Will your activity purposefully **Take** northern long-eared bats?

No

3. [Semantic] Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

4. [Semantic] Is the project action area located within 0.25 miles of a known northern long-eared bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

5. [Semantic] Is the project action area located within 150 feet of a known occupied northern long-eared bat maternity roost tree?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency

Automatically answered

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0

2. If known, estimated acres of forest conversion from April 1 to October 31

0

3. If known, estimated acres of forest conversion from June 1 to July 31

0

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?

0

IPaC User Contact Information

Agency: SLS Land & Energy Development
Name: Christopher Moyers
Address: 12 Vanhorn Drive
Address Line 2: P.O. Box 150
City: Glenville
State: WV
Zip: 26351
Email: cmoyers@sllswv.com
Phone: 3044625634



United States Department of the Interior



FISH AND WILDLIFE SERVICE
West Virginia Ecological Services Field Office
6263 Appalachian Highway
Davis, WV 26260-9475
Phone: (304) 866-3858 Fax: (304) 866-3852

In Reply Refer To:
Project Code: 2022-0037001
Project Name: Low-Water Bridge Repair on Cabin Run

April 28, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - USFWS National Wildlife Refuges and Fish Hatcheries
 - Migratory Birds
 - Wetlands
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Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

West Virginia Ecological Services Field Office

6263 Appalachian Highway

Davis, WV 26260-9475

(304) 866-3858

Project Summary

Project Code: 2022-0037001
Event Code: None
Project Name: Low-Water Bridge Repair on Cabin Run
Project Type: Bridge - Maintenance
Project Description: On behalf of our client Key Oil Company, we are asking your review of this site for concurrence the project will not have any adverse impacts to rare, threatened, or endangered species. The project consists of the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to be built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

Construction is planned to commence during dry weather in June 2022. This bridge currently consists of rebar reinforced concrete along with five 15" steel culverts. As you can see in the photo exhibit, the bottom of the bridge has eroded over the years. Key Oil plans to complete this repair in stages as listed below.

1. Only half of the bridge repair is to be completed at a time, in order to keep flow of Cabin Run continuing.
 2. Dredge the fill material upstream of the existing steel culverts on the north side of the Cabin Run.
 3. Remove the existing 15-inch steel culverts.
 4. Dig down to solid material under the bridge.
 5. Re-install 2-3 of the steel culverts on the north side of Cabin Run.
 6. Form walls under the bridge, keeping water flow on the south side of Cabin Run.
 7. Once concrete is cured on the north section of the bridge, re-install remaining culverts on the south side of Cabin Run.
 8. Form walls under the bridge, keeping water flow to the north side through the newly re-installed culverts.
 9. The end result will consist of retaining to upper existing rebar reinforced concrete top, placing concrete down to solid material below the bridge along with re-installing the existing culverts and dredging the fill
-

material up-stream of the bridge on the north side of Cabin Run.
10. Dredged material more than likely consists of creek gravel and will be placed on the landowners driveway.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@39.2347293,-80.88245222331031,14z>



Counties: Doddridge County, West Virginia

Endangered Species Act Species

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 4 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i>	Endangered
<p>There is final critical habitat for this species. The location of the critical habitat is not available. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> ▪ All activities in this location should consider potential effects to this species. This project is not within a known-use area, but potentially occupied habitat may exist. Please contact the WVFO for additional consultation. <p>Species profile: https://ecos.fws.gov/ecp/species/5949</p>	
Northern Long-eared Bat <i>Myotis septentrionalis</i>	Threatened
<p>No critical habitat has been designated for this species. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> ▪ No known hibernacula or maternity roost trees occur within the action area. Any 'take' that may occur incidental to this project is not prohibited under the final 4(d) rule. Please submit a Streamlined 4(d) Rule Consultation form to the WVFO. <p>Species profile: https://ecos.fws.gov/ecp/species/9045</p>	

Clams

NAME	STATUS
<p>Clubshell <i>Pleurobema clava</i></p> <p>Population: Wherever found; Except where listed as Experimental Populations No critical habitat has been designated for this species. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> ▪ This project occurs within a watershed known to support this species. Review the project design guidelines for more information about next steps and contacting the WVFO. <p>Species profile: https://ecos.fws.gov/ecp/species/3789 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2NC3C27SHJDANJZL2TH3255HYM/documents/generated/6454.pdf</p>	Endangered
<p>Snuffbox Mussel <i>Epioblasma triquetra</i></p> <p>No critical habitat has been designated for this species. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> ▪ This project occurs within a watershed known to support this species. Review the project design guidelines for more information about next steps and contacting the WVFO. <p>Species profile: https://ecos.fws.gov/ecp/species/4135 General project design guidelines: https://ipac.ecosphere.fws.gov/project/2NC3C27SHJDANJZL2TH3255HYM/documents/generated/6466.pdf</p>	Endangered

Insects

NAME	STATUS
<p>Monarch Butterfly <i>Danaus plexippus</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743</p>	Candidate

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

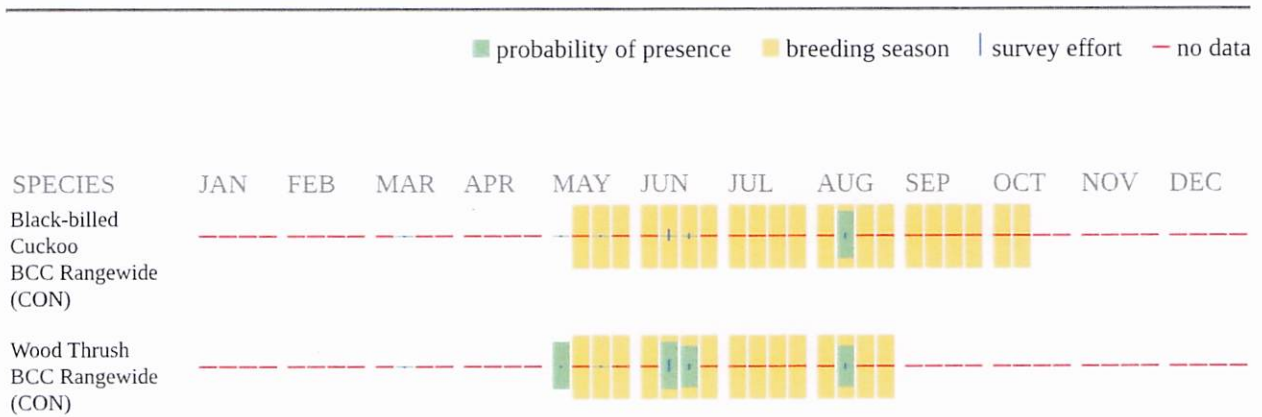
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

Migratory Birds FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as

warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

RIVERINE

- [R5UBH](#)
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IPaC User Contact Information

Agency: SLS Land & Energy Development
Name: Christopher Moyers
Address: 12 Vanhorn Drive
Address Line 2: P.O. Box 150
City: Glenville
State: WV
Zip: 26351
Email: cmoyers@sldswv.com
Phone: 3044625634



info@sldswv.com
www.sldswv.com

April 27, 2022

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

Re: Key Oil Company Bridge Maintenance
Doddridge County, West Virginia

Dear Permit Review Staff;

On behalf of our client Key Oil Company, we are submitting a Stream Activity Application to the Office of Land and Streams. The project consists of the proposed repair and maintenance of an existing low-water bridge crossing Cabin Run, located approximately 3.6 miles upstream of the North Fork of Hughes River. This site is located on the south side of and adjacent to County Route 19, approximately 0.16 miles west of the intersection of County Route 21/1 in Central District, Doddridge County, West Virginia. Geographical coordinates of this existing low-water bridge are at Latitude 39.234727 Longitude -80.882464 (NAD 83). The project limits of disturbance are calculated at approximately 0.022 acres within the existing stream bed. No tree clearing is proposed. Please see the attached vicinity map depicting the project location, exhibit maps, and narrative of the planned bridge repair. Please note this low-water bridge appears to have been built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432.

As stated above, there is approximately 0.022 acres of disturbance within the stream bed of Cabin Run associated with this project.

Other agency permits and clearances are currently being applied for. These include USACE, WV DNR Wildlife Diversity, U.S. Fish & Wildlife, and Doddridge County Floodplain permit.

Enclosed please find the following for your review:

- Vicinity Mapping
- Exhibit Mapping
- Bridge Repair Narrative
- Stream Activity Application

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634



info@sww.com
www.sww.com

If additional information is needed or you have any questions about the proposed project, please contact me at the number listed below.

Sincerely,
Chris Moyers
SLS Land & Energy Development
P.O. Box 150
Glenville, WV 26351
(304) 462-5634
cmoyers@sww.com

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634

OFFICE OF LAND AND STREAMS
STREAM ACTIVITY APPLICATION

1.	Name of Applicant AND/OR Company <u>Key Oil Company</u>
	Date of Application <u>04-27-2022</u>
2.	Complete Mailing Address of Applicant <u>22 Garton Plaza, Weston, WV 26452</u>
	Billing Address (if different) _____
	Telephone Number: <u>304-588-7610</u> Fax: _____
	E-Mail Address <u>gkellykeyoil3@icloud.com</u>
3.	Authorized Agent Information (i.e. contractor employed by landowner)
	Company <u>SLS Land & Energy Development (Chris Moyers)</u>
	Address <u>P.O. Box 150, 12 Vanhorn Drive, Glenville, WV 26351</u>
	Telephone Number <u>304-462-5634</u> Fax <u>304-462-5656</u>
	E-Mail Address <u>cmoyers@sllswv.com</u>
	PLEASE CHECK (✓) HERE IF YOU WANT APPROVAL SENT TO AGENT: <u>X</u>
4.	Please ✓ the proposed use: Private <input checked="" type="checkbox"/> (Personal Use) Public: <input type="checkbox"/> (Govt Agency) Commercial: <input checked="" type="checkbox"/> (Business)
5.	Name of Waterway (if unnamed or unknown tributary, provide stream it flows into) <u>Cabin Run of North Fork Hughes River</u>
	Decimal Coordinates of Site Location (if applicable) Longitude <u>39.234727</u> Latitude <u>-80.882464</u>
	<u>Doddridge</u> County <u>Central</u> District (taxable) <u>Joy</u> Closest City or Town
6.	Date activity is proposed to commence: <u>June 1, 2022 +/-</u>
	Date activity is expected to be complete: <u>July 1, 2022 +/-</u>

OFFICE OF LAND AND STREAMS
STREAM ACTIVITY APPLICATION

7. Is any portion of the activity for which authorization is sought now complete: Yes No
(if the answer is yes please give reasons in Section 8 including month and year the activity was completed)

8. Describe proposed activity, its purpose and intended use after completion. Type of equipment to be used in the stream, amount of material to be dredged (if any), plan for disposing of dredged materials, length of stream/bank to be worked or type and size of structure to be placed in stream. **One copy of a map (topographical or detailed, hand drawn,) showing exact location of work site (enabling Officials to locate site) must accompany this application,** and all other information that may be important to this application.

Key Oil Company plans to repair an existing low-water bridge located on Cabin Run, a tributary to North Fork Hughes River, in Central District, Doddridge County, West Virginia. Please note this existing low-water bridge appears to have been built in 1998 and currently serves as part of an existing driveway for two dwellings, along with being an access to gas well 47-017-4432. Construction is planned to commence during dry weather in June 2022. This bridge currently consists of rebar reinforced concrete along with five 15" steel culverts. As you can see in the photo exhibit, the bottom of the bridge has eroded over the years. Key Oil plans to complete this repair in stages as listed below.

1. Only half of the bridge repair is to be completed at a time, in order to keep flow of Cabin Run continuing.
2. Dredge the fill material upstream of the existing steel culverts on the north side of the Cabin Run.
3. Remove the existing 15-inch steel culverts.
4. Dig down to solid material under the bridge.
5. Re-install 2-3 of the steel culverts on the north side of Cabin Run.
6. Form walls under the bridge, keeping water flow on the south side of Cabin Run.
7. Once concrete is cured on the north section of the bridge, re-install remaining culverts on the south side of Cabin Run.
8. Form walls under the bridge, keeping water flow to the north side through the newly re-installed culverts.
9. The end result will consist of retaining to upper existing rebar reinforced concrete top, placing concrete down to solid material below the bridge along with re-installing the existing culverts and dredging the fill material up-stream of the bridge on the north side of Cabin Run.

All earthwork completed will be done with a backhoe or excavator. Dredged material more than likely consists of creek gravel and will be placed on the landowners driveway. Disturbance within the steam bed is approximately 0.022 acres and approximately 70' in length.

(if additional space is required, continue on a separate sheet)

OFFICE OF LAND AND STREAMS
STREAM ACTIVITY APPLICATION

9. PLEASE CHECK (✓) THE PROPOSED WORK TO BE DONE (for more than one crossing please use Application Table located on DNR OLS website)

Pipeline (see Section 10)

Water Withdrawals (see Section 11)

Bank/Stream Work (✓ all that apply)

Length _____

Stabilization Restoration Dredging/ Clean Out
 Grading Enhancement Channel Change

Cables
Type of Transmission Line _____ Purpose _____

Culverts (✓ one of the following)

Temporary Permanent

Length _____ Diameter/Width _____

Bridges (✓ one of the following)

Temporary Permanent

Length 25' Width 18'

Low Water Fords Type of ford _____

Loading/Docking/Mooring

Facility Name _____ Type of Dock _____

Length of Dock _____ Mile Points _____

Valley Fill (completely impedes stream)

Facility Name _____ Length of fill _____

Rock Fill (stream still flows)

Facility Name _____ Length of fill _____

Maintenance Dredging/ Sand and Gravel

Facility Name _____ Mile Points _____

10. If activity is a pipeline construction (gas, water, sewer) please provide:

Material Pipeline is made of _____

Size of Pipeline _____ Maximum pressure on pipeline _____

Provide the appropriate Line Number and if a Gathering or Well Line provide the A.P.I Well Number:

Transmission _____ Distribution _____ Gathering _____

A.P.I Well Number _____

Well Line _____ Well Name: _____

OFFICE OF LAND AND STREAMS
STREAM ACTIVITY APPLICATION

11. If activity is a Water Withdrawal please provide:

Estimate of water to be withdrawn per month _____

Pump Rate _____

Specific Purpose for Water Withdrawal _____

If using water for Oil and Gas Fracking purposes, do you have a DEP Water Withdrawal Plan?
 Yes No (If answer is no, see DEP Contact information in section 13)

If there are multiple withdrawal sites please use Application Table located on DNR OLS website.

12. Has any agency denied approval for the activity described herein? Yes No

(If yes, give reasons in Section 8 and attach a copy of the denial)

13. Below is a list of entities that may require permits, Please list all approvals or certifications required by the other Government agencies for the above-described activity:

Issuing Agency: Corps of Engineers-(304) 399-5353 Type of approval: Nationwide Permit 3
(412) 395-7155

Identification No: _____ Date of approval: Pending

Issuing Agency: County Commission Type of approval: Floodplain Building Permit
Flood Plain Coordinator

Identification No: _____ Date of approval: Pending

Issuing Agency: City Government Type of approval: N/A

(if in city limits the county isn't needed) Date of approval: N/A

Identification No: N/A Date of approval: N/A

Issuing Agency: DEP – (304) 926-0440 Date of approval: N/A

Identification No: N/A

14. I certify that I am familiar with the information in this application, and that to the best of my knowledge and belief such information is true, complete and accurate.



Signature of Applicant or Agent

Office of Land and Streams
324 Fourth Avenue, Room 20
South Charleston, WV 25303
Phone Number: 304-558-3225
Fax Number: 304-558-6048
Website: <http://www.wvdnr.gov/REM/default.shtm>

304-462-5634 8:58

Jim Spence

SLS Land Development

Bridge Repair for
Key Oil

Jim Mencer

PO BOX 150

Glenville WV 26351

SLS Land Development

Mail Permits to

Jim

STATE of WEST VIRGINIA;
COUNTY OF DODDRIDGE, TO WIT:

Doddridge County Floodplain Permits
(Week of September 12, 2022)

Please take notice that on the (9th) of (September), 2022, (Key oil Company) filed an application for a Floodplain Permit (#22-620) to develop land located at or about (430Willow Ln @ Cabin Run Rd.); Coordinates : 39.234727, -80.882464. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (October 10, 2022) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is for the repair of a low water bridge.
S/George C. Eidel, CFM
Doddridge County Floodplain Manager

I, Tamela B. Beamer, Editor of THE HERALD RECORD, a certified weekly newspaper published regularly in Doddridge County, West Virginia, DO Hereby Certify Upon Oath that the accompanying Legal Notice entitled:

9/14xb2

Flood Plain Permit # 620

Doddridge County Floodplain

was published in said paper for 2 successive weeks beginning with the issue of 9/14, 2022 and ending with the issue of 9/21, 2022 that contains 235 word space at 115 cents per word and amounts to the sum of \$ 27.00 FOR THE FIRST PUBLICATION.

SECOND PUBLICATION IS 75% OF THE FIRST PUBLICATION and each other publication thereafter \$ 20.26 for the TOTAL OF: \$ 47.26.

Editor,

Tamela B Beamer

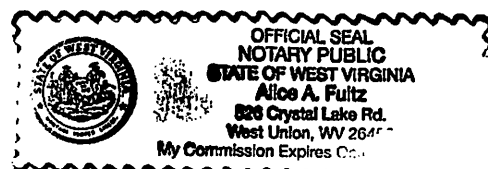
SWORN TO AND SUBSCRIBED
BEFORE ME THIS THE 21st day of
September, 2022.

NOTARY PUBLIC

Alice A. Fultz

George C. Eidel

9/23/2022



INVOICE

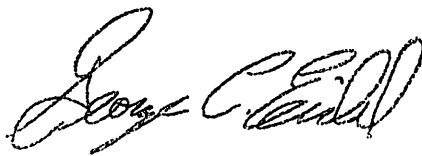
The Herald Record LLC
177 MAIN STREET
WEST UNION, WV 26456
United States

Phone: 304-873-1600
Fax: 304-666-1017
Mobile: 304-266-2247
TheHeraldRecord.com

Doddridge County OFFICE OF EMERGENCY MANAGEMENT
101 Church Street
West Union, West Virginia 26456
United States

Invoice Number: 3862
Invoice Date: September 20, 2022
Payment Due: September 20, 2022
Amount Due (USD): \$47.26

Items	Quantity	Price	Amount
CLASS II LEGAL FLOODPLAIN PERMIT 620 RUN DATES: 9/14/22 & 9/21/22	1	\$47.26	\$47.26
		Total:	\$47.26
		Amount Due (USD) :	\$47.26



9/23/2022

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:

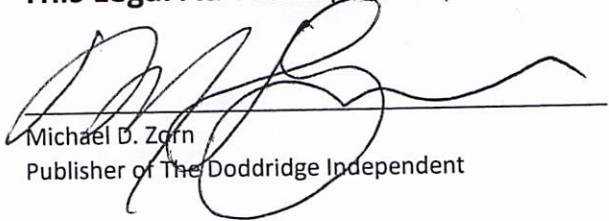
Please take notice that on the (9th) of (September), 2022, (Key Oil Company) filed an application for a Floodplain Permit (#22-620) to develop land located at or about (430 Willow Ln@ Cabin Run Rd.); Coordinates: 39.234727, -80.882464. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance with WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested

was published in The Doddridge Independent 2 times commencing on Friday, September 23, 2022 and Ending on Friday, September 30, 2022 at the request of:

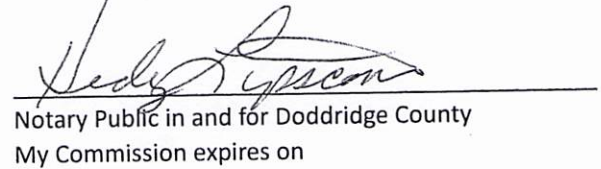
George Eidel, Doddridge County Floodplain Manager & Doddridge County Commission

Given under my hand this Monday, October 3, 2022

The publisher's fee for said publication is:
\$ 31.05 1st Run/\$ 23.29 Subsequent Runs
This Legal Ad Total: \$ 54.34


Michael D. Zorn
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on
this date: 10/4/22


Notary Public in and for Doddridge County
My Commission expires on

The 5 day of July 2022

Floodplain Notice • Legal Notice
Please take notice that on the (9th) of (September), 2022, (Key Oil Company) filed an application for a Floodplain Permit (#22-620) to develop land located at or about (430 Willow Ln@ Cabin Run Rd.); Coordinates: 39.234727, -80.882464. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance with WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (October 10, 2022) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is for repair of a low water crossing bridge.
C2 - 9/16 - 9/23



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Kevin Britton
105 Willow Lane
West Union, WV 26456



9590 9402 7059 1225 4203 24

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Diane Greenhugh

-
- Agent
-
-
- Addressee

B. Received by (Printed Name)

Diane Greenhugh

C. Date of Delivery

9-17-22

 D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

USPS TRACKING #



CHARLESTON WV 250

17 SEP 2022 PM 2 L



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

9590 9402 7059 1225 4203 24

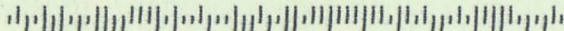
**United States
Postal Service**

• Sender: Please print your name, address, and ZIP+4® in this box•

Doddridge County Office of
Emergency Management/Floodplain Manager
101 Church Street, Suite 102
West Union, WV 26456

22-620

5-119427



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

William & Sharon Britton
 34 Britton Lane
 West Union, WV 26456



9590 9402 7059 1225 4203 17

2. Article Number (Transfer from service label)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Sharon Britton* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

9/15

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

- | | |
|--|---|
| <input type="checkbox"/> Adult Signature | <input type="checkbox"/> Priority Mail Express® |
| <input type="checkbox"/> Adult Signature Restricted Delivery | <input type="checkbox"/> Registered Mail™ |
| <input type="checkbox"/> Certified Mail® | <input type="checkbox"/> Registered Mail Restricted Delivery |
| <input type="checkbox"/> Certified Mail Restricted Delivery | <input type="checkbox"/> Signature Confirmation™ |
| <input type="checkbox"/> Collect on Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Collect on Delivery Restricted Delivery | |
| <input type="checkbox"/> Insured Mail | |
| <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500) | |

USPS TRACKING #



CHARLESTON WV 250
CHARLESTON WV 250
15 SEP 2022 PM 2 L
19 SEP 2022 PM 3 L



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

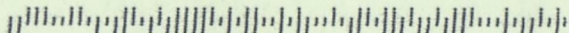
9590 9402 7059 1225 4203 17

**United States
Postal Service**

• Sender: Please print your name, address, and ZIP+4® in this box•

Doddridge County Office of
Emergency Management/Floodplain Manager
101 Church Street, Suite 102
West Union, WV 26456

22-620



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3.75

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy)

\$

3.05

Return Receipt (electronic)

\$

Certified Mail Restricted Delivery

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Adult Signature Required

\$

Adult Signature Restricted Delivery

\$

Postage

\$

.53

Total Postage and Fees

\$

7.33

Sent To

Kevin Britton

Street and Apt. No., or PO Box No.

105 Willow Ln.

City, State, ZIP+4®

West Union, WV 26456

22-620



7021 1970 0001 7228 4399

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee \$ 3.75

Extra Services & Fees (check box, add fee as appropriate)

- Return Receipt (hardcopy) \$ 3.95
- Return Receipt (electronic) \$ _____
- Certified Mail Restricted Delivery \$ _____
- Adult Signature Required \$ _____
- Adult Signature Restricted Delivery \$ _____

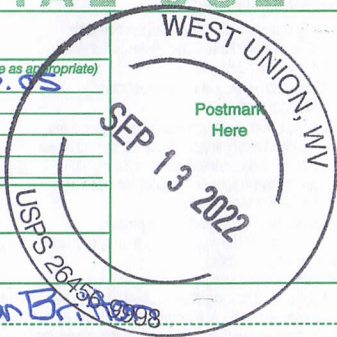
Postage \$.53

Total Postage and Fees \$ 7.33

Sent To: William & Sharon Brannon

Street and Apt. No., or PO Box No.
34 Britton Ln.

City, State, ZIP+4®
West Union, WV 26456



22-620

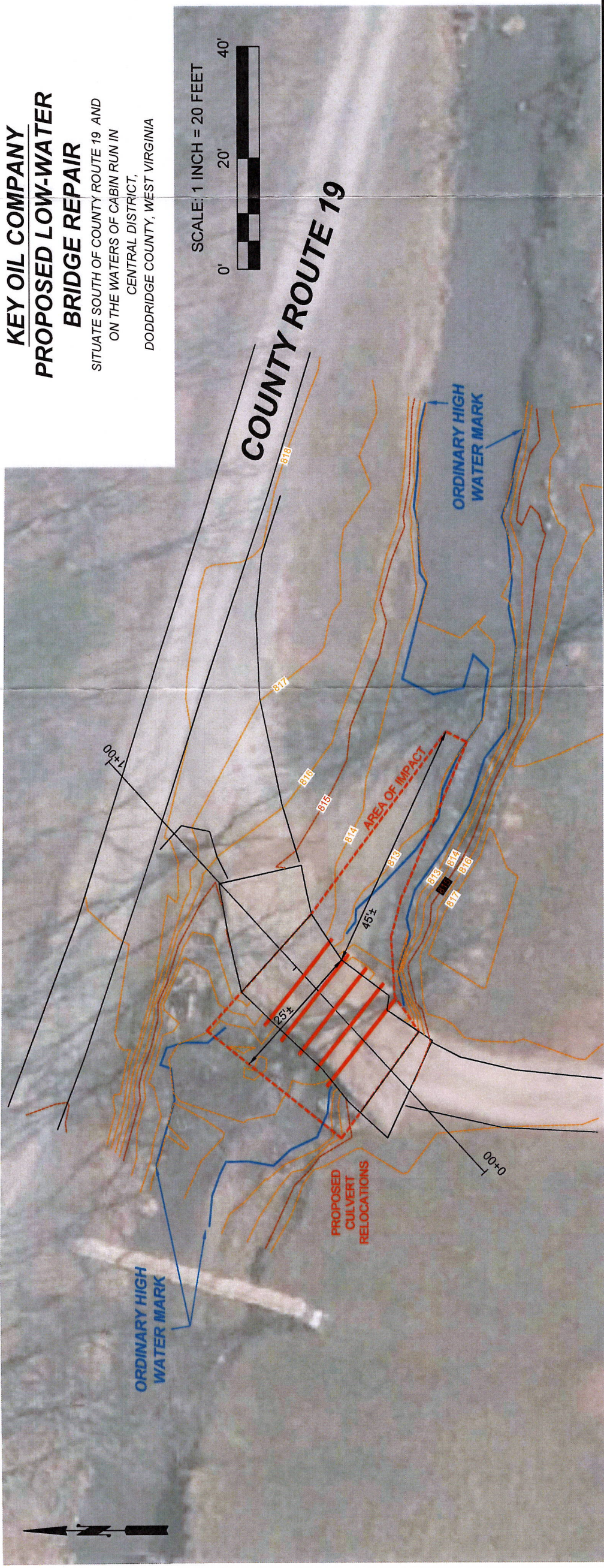
7019 2280 0000 5315 8418

PROJ. NO: 9227	SURVEY DATE: 05-23-2022
DRAWN BY: CPM	DATE: 05-25-2022
DWG NAME: 9227-KEY OIL SURV-EXHIBIT2-R01-220524-CPM.dwg	

1' CONTOURS & PROFILE REPAIR EXHIBIT

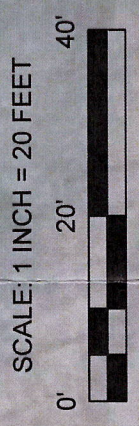
SLS
FROM THE GROUND UP

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsw.com

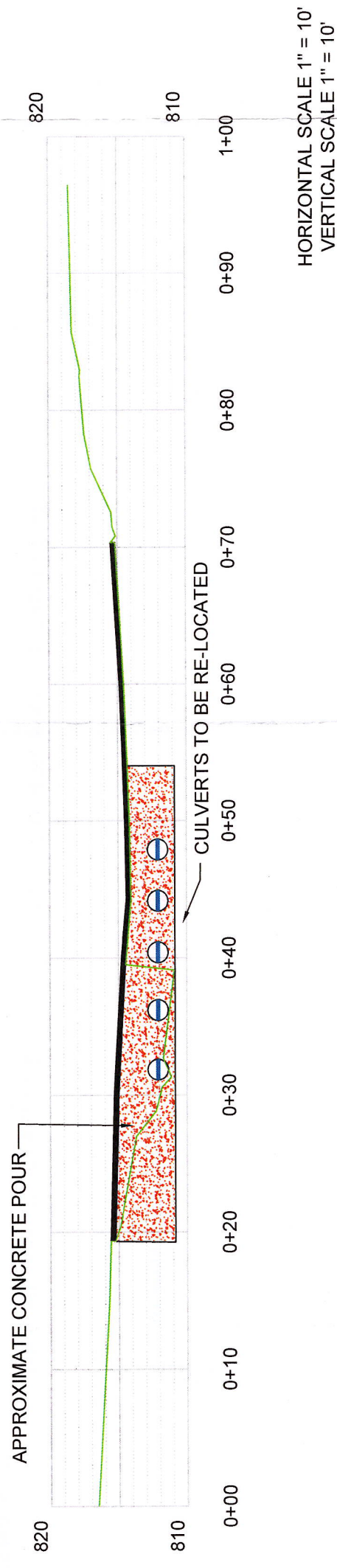


**KEY OIL COMPANY
PROPOSED LOW-WATER
BRIDGE REPAIR**

SITUATE SOUTH OF COUNTY ROUTE 19 AND
ON THE WATERS OF CABIN RUN IN
CENTRAL DISTRICT,
DODDRIDGE COUNTY, WEST VIRGINIA




PROPOSED REPAIR



HORIZONTAL SCALE 1" = 10'
VERTICAL SCALE 1" = 10'

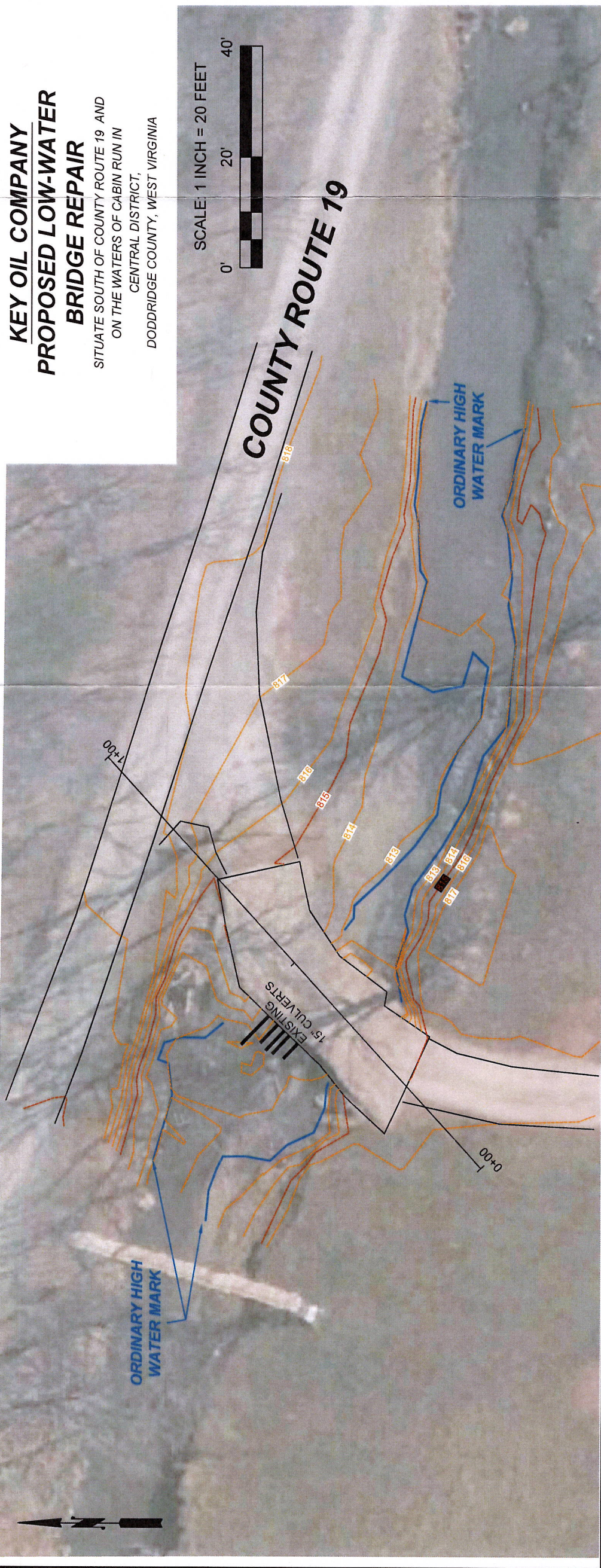
PROJ. SURVEYOR: CHRIS MOYERS	
PROJ. NO: 9227	SURVEY DATE: 05-23-2022
DRAWN BY: CPM	DATE: 05-25-2022
DWG NAME: 9227-KEYOIL-SURV-EXHIBIT2-R01-220524-CPM.dwg	

1' CONTOURS & PROFILE EXHIBIT



SLS
FROM THE GROUND UP

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
sbswv.com



CURRENT CONDITIONS

