

## ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name <u>TIM &amp; MICHAEL BALL</u>				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>449 COON CREEK</u>				Company NAIC Number:	
City <u>CULLODEN</u>		State <u>WV</u>		ZIP Code <u>25510</u>	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>TAX MAP 1, PARCEL 1, CARROLL DISTRICT, LINCOLN COUNTY</u>					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENTIAL</u>					
A5. Latitude/Longitude: Lat. <u>38.36847</u> Long. <u>-82.06540</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.					
A7. Building Diagram Number <u>7</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>2500</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>0</u>					
c) Total net area of flood openings in A8.b <u>0</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
A9. For a building with an attached garage: <u>NO GARAGE</u>					
a) Square footage of attached garage _____ sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____					
c) Total net area of flood openings in A9.b _____ sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number <u>LINCOLN COUNTY 540088</u>			B2. County Name <u>LINCOLN</u>		B3. State <u>WV</u>
B4. Map/Panel Number <u>80</u>	B5. Suffix <u>D</u>	B6. FIRM Index Date <u>OCT. 16, 2013</u>	B7. FIRM Panel Effective/ Revised Date <u>NONE</u>	B8. Flood Zone(s) <u>A</u>	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) <u>716.4</u>
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input checked="" type="checkbox"/> Other/Source: <u>US ARMY CORPS OF ENGINEERS</u>					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expiration Date: November 30, 2018

<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>449 COON CREEK</u>			Policy Number:
City <u>CULLODEN</u>	State <u>WV</u>	ZIP Code <u>25510</u>	Company NAIC Number

## SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

- C1. Building elevations are based on: ☐ Construction Drawings\* ☐ Building Under Construction\* ☒ Finished Construction  
\*A new Elevation Certificate will be required when construction of the building is complete.

- C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: SPUS Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: \_\_\_\_\_


Datum used for building elevations must be the same as that used for the BFE.

- |  |               | Check the measurement used.  |
|--|---------------|--|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor)  | <u>719.04</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| b) Top of the next higher floor  | <u>727.62</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only)  | <u>N/A</u>    | <input type="checkbox"/> feet <input type="checkbox"/> meters            |
| d) Attached garage (top of slab)   | <u>N/A</u>    | <input type="checkbox"/> feet <input type="checkbox"/> meters            |
| e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) | <u>724.16</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG)   | <u>718.3</u>  | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG)  | <u>724.2</u>  | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support                               | <u>718.3</u>  | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |

## SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No ☒ Check here if attachments.

Certifier's Name <u>KEVIN JAMES</u>		License Number <u>2305</u>		
Title <u>PROFESSIONAL SURVEYOR</u>				
Company Name <u>KJ SURVEYS</u>				
Address <u>500 COON CREEK</u>				
City <u>CULLODEN</u>	State <u>WV</u>	ZIP Code <u>25510</u>		
Signature <u>Kevin James</u>		Date <u>7/28/17</u>	Telephone <u>304-840-7897</u>	Ext.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

ELEVATION e = WHOLE HOUSE GENERATOR ON EAST SIDE OF HOUSE

**ELEVATION CERTIFICATE**

OMB No. 1660-0008

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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

449 COON CREEK

Policy Number:

City

CULLODEN

State

NV

ZIP Code

25510

Company NAIC Number

**SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED)  
FOR ZONE AO AND ZONE A (WITHOUT BFE)**

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).

a) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_

☐ feet ☐ meters ☐ above or ☐ below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_

☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is \_\_\_\_\_

☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is \_\_\_\_\_

☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is \_\_\_\_\_

☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

**SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION**

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name

Address

City

State

ZIP Code

Signature

Date

Telephone

Comments

☐ Check here if attachments.

# ELEVATION CERTIFICATE

OMB No. 1660-0008  
Expiration Date: November 30, 2018

**IMPORTANT: In these spaces, copy the corresponding information from Section A.**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
449 COON CREEK

**FOR INSURANCE COMPANY USE**

Policy Number:

City  
CULLODEN

State  
WV

ZIP Code  
25710

Company NAIC Number

## SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8-G10. In Puerto Rico only, enter meters.

- G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. ☐ The following information (Items G4-G10) is provided for community floodplain management purposes.

G4. Permit Number

G5. Date Permit Issued

G6. Date Certificate of  
Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement)  
of the building:

\_\_\_\_\_ ☐ feet ☐ meters Datum \_\_\_\_\_

G9. BFE or (in Zone AO) depth of flooding at the building site:

\_\_\_\_\_ ☐ feet ☐ meters Datum \_\_\_\_\_

G10. Community's design flood elevation:

\_\_\_\_\_ ☐ feet ☐ meters Datum \_\_\_\_\_

Local Official's Name

Title

Community Name

Telephone

Signature

Date

Comments (including type of equipment and location, per C2(e), if applicable)

☐ Check here if attachments.

# ELEVATION CERTIFICATE

## BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008

Expiration Date: November 30, 2018

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449 COON CREEK

**FOR INSURANCE COMPANY USE**

Policy Number:

City

CULLODEN

State

WV

ZIP Code

25510

Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

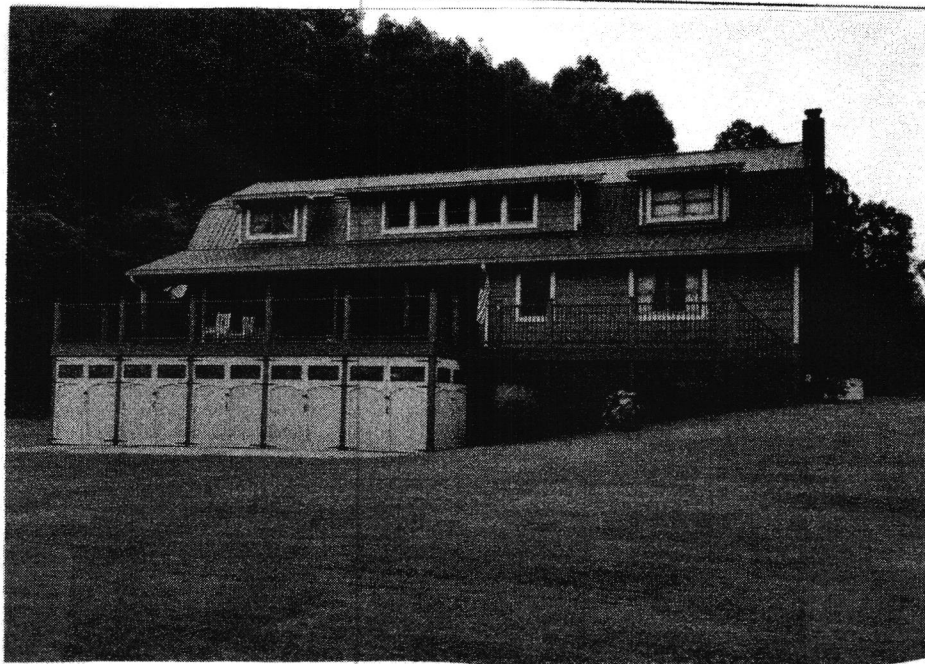


Photo One

Photo One Caption FRONT VIEW 7-30-17

Clear Photo One

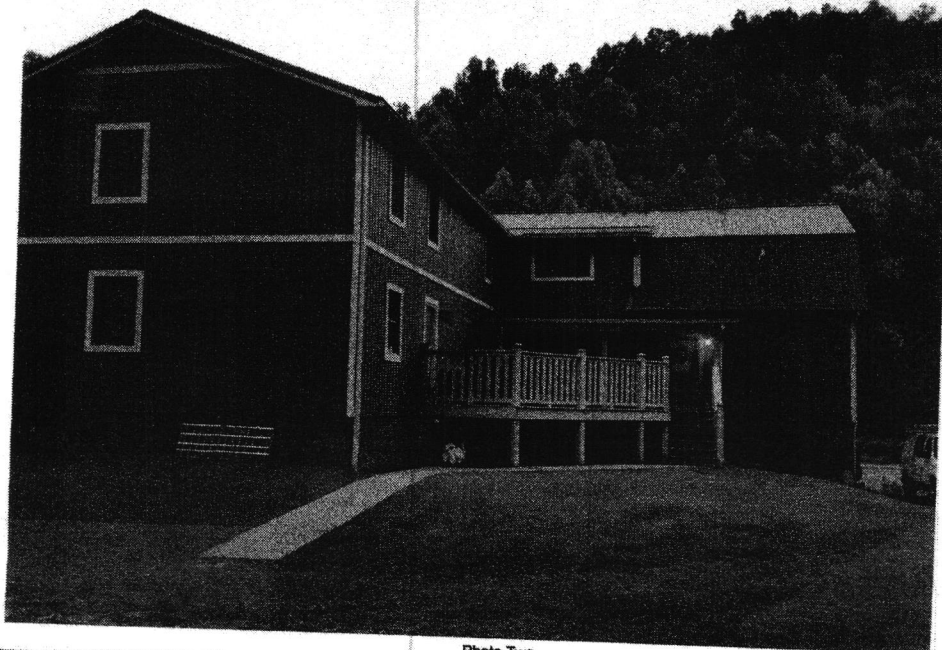


Photo Two

Photo Two Caption BACK VIEW 7-30-17

Clear Photo Two

# ELEVATION CERTIFICATE

## BUILDING PHOTOGRAPHS

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2018

**IMPORTANT:** In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
*449 COON CREEK*

FOR INSURANCE COMPANY USE

Policy Number:

City

*CULLODEN*

State

*WV*

ZIP Code

*25510*

Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

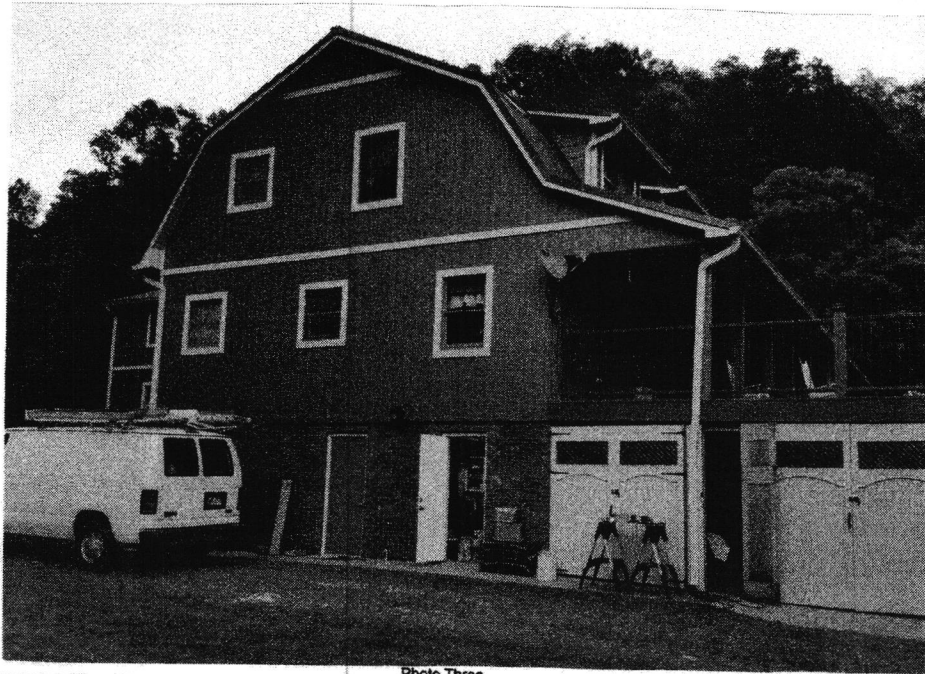


Photo Three

Photo Three Caption

*LEFT SIDE*

*7-30-17*

Clear Photo Three

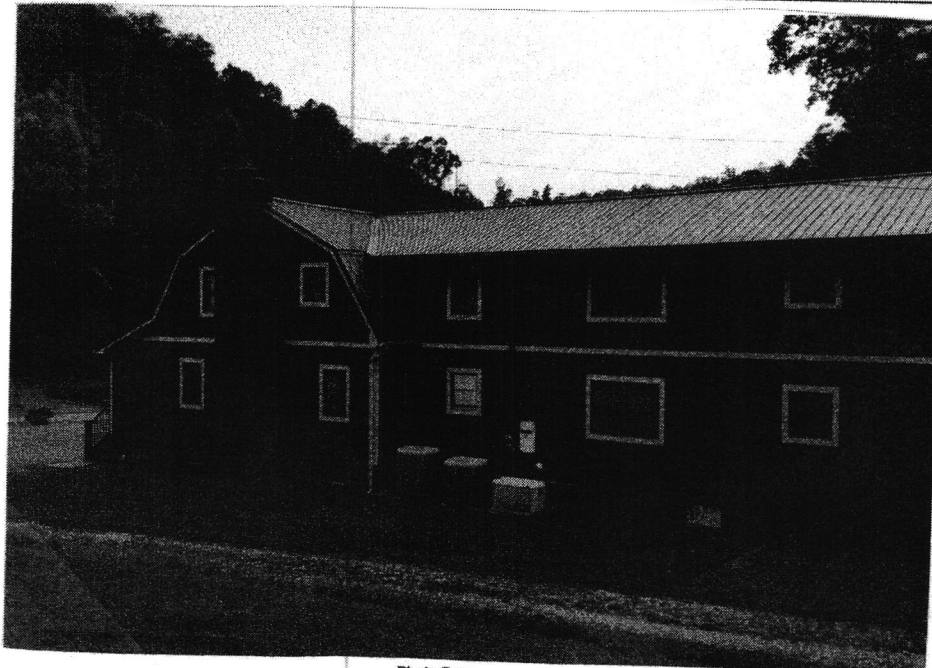


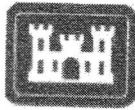
Photo Four

Photo Four Caption

*RIGHT SIDE*

*7-30-17*

Clear Photo Four



**US Army Corps  
of Engineers**

# HUNTINGTON DISTRICT, US ARMY CORPS OF ENGINEERS FLOODPLAIN MANAGEMENT SERVICES

502 EIGHTH STREET  
HUNTINGTON, WEST VIRGINIA 25701  
1-866-401-3980 Email: [fpms-lrh@usace.army.mil](mailto:fpms-lrh@usace.army.mil)  
17 August 2017 11:12:19 AM

ID:	1707-2811-4556	DATE IN:	7/28/2017	DATE OUT:	7/31/2017
CONTACT:	Kevin James	STATE:	WV		
INTEREST:	Professional Surveyor	COUNTY:	Cabell		
PHONE:	304-840-7897	LAT:	38.36847		
REQUEST:	Base Flood Elevation - GIS	LON:	-82.0654		
LOCATION:	1449 Coon Creek, Culloden, WV 25510, USA				
EXCEPTION:	None noted				

## RESPONSE

ISSUED BFE:  
716.4 EL FT (NAVD88)

### CALCULATIONS:

1/9-Arc Second National Elevation Dataset, seamless download,  
<http://nationalmap.usgs.gov>. North American Vertical Datum of 1988  
meters converted to feet by multiplying values by 3.2808399.

Drainage Basin - 0.56 SQ MI  
NSS Crippen & Bue Flood Region "4"  
NSS WV Region "Western"  
PK100: 377.0 CFS

EG Slope: 0.024131963  
Mannings N  
Left Channel Bank: 0.10  
Channel: 0.04  
Right Channel Bank: 0.04

WS EL. 716.44

The information provided in this letter reflects FEMA National Flood insurance Program standards. It is recommended that the local floodplain coordinator be contacted for information concerning local policies. Property location was determined from provided coordinates.



**US Army Corps  
of Engineers**

**HUNTINGTON DISTRICT, US ARMY CORPS OF ENGINEERS  
FLOODPLAIN MANAGEMENT SERVICES**

502 EIGHTH STREET  
HUNTINGTON, WEST VIRGINIA 25701  
1-866-401-3980 Email: [fpms-lrh@usace.army.mil](mailto:fpms-lrh@usace.army.mil)  
17 August 2017 11:12:19 AM

**CONFIDENTIAL PRIVILEGED INFORMATION:** The information contained in this communication is confidential and/or privileged, proprietary information that is transmitted solely for the purpose of the intended recipient(s). If the reader of this message is not an intended recipient, or if this message has been inadvertently directed to your attention, you are hereby notified that you have received this communication and any attached document(s) in error, and that any review, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately and destroy all copies of the original communication.

The information obtained from this office is authorized in support of the Federal Emergency Management Agency's (FEMA) National Flood Insurance Program (NFIP) and is authorized by ER 1105-2-100: Planning Guidance Notebook. This information is considered provisional and/or the "best available data" and may be subject to revision. The data is released on the condition that neither the US Army Corps of Engineers nor the United States Government may be held liable for any damages resulting from its use.

Sincerely,

Rebecca Albert  
Chief, Plan Formulation Section

## Kevin James

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**From:** opus <opus@ngs.noaa.gov>  
**Sent:** Wednesday, May 31, 2017 10:56 PM  
**To:** kevinjames@zoominternet.net  
**Subject:** OPUS-RS solution : log0530x.tps OP1496285191925

FILE: log0530x.tps OP1496285191925

### NGS OPUS-RS SOLUTION REPORT

=====

All computed coordinate accuracies are listed as 1-sigma RMS values.  
For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: kevinjames@zoominternet.net      DATE: June 01, 2017  
RINEX FILE: log0150x.17o      TIME: 02:56:01 UTC

SOFTWARE: rsgps 1.38 RS90.prl 1.99.3      START: 2017/05/30 23:45:17  
EPHEMERIS: igu19512.eph [ultra-rapid]      STOP: 2017/05/31 01:14:30  
NAV FILE: brdc1500.17n      OBS USED: 3855 / 4745 : 81%  
ANT NAME: TPSHIPR\_SR NONE      QUALITY IND. 15.36/ 15.62  
ARP HEIGHT: 1.585912      NORMALIZED RMS: 0.486

REF FRAME: NAD\_83(2011)(EPOCH:2010.0000)      IGS08 (EPOCH:2017.41102)

X:	691594.165(m)	0.011(m)	691593.308(m)	0.011(m)
Y:	-4959387.893(m)	0.013(m)	-4959386.459(m)	0.013(m)
Z:	3937608.318(m)	0.020(m)	3937608.231(m)	0.020(m)

LAT:	38 22 2.21441	0.011(m)	38 22 2.24317	0.011(m)
E LON:	277 56 19.63111	0.011(m)	277 56 19.60429	0.011(m)
W LON:	82 3 40.36889	0.011(m)	82 3 40.39571	0.011(m)
EL HGT:	192.024(m)	0.021(m)	190.764(m)	0.021(m)
ORTHO HGT:	225.240(m)	0.025(m)	[NAVD88 (Computed using GEOID12B)]	

#### UTM COORDINATES    STATE PLANE COORDINATES

UTM (Zone 17)    SPC (4702 WV S)

Northing (Y) [meters]	4247099.903	152284.255
Easting (X) [meters]	407293.655	507266.236
Convergence [degrees]	-0.65874232	-0.65603736
Point Scale	0.99970584	0.99993075
Combined Factor	0.99967572	0.99990062

US NATIONAL GRID DESIGNATOR: 17SMC0729347099(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
AJ7194	MCON MCCONNELSVILLE CORS ARP	N393939.030	W0814945.121	145006.6
DI2234	BLA1 BLACKSBURGVA2006 CORS ARP	N371240.826	W0802513.808	193251.9
DN7506	TN1B TN DISTRICT 1B CORS ARP	N362839.465	W0824841.962	219988.2
DF4048	GALP GALLIPOLIS CORS ARP	N385039.148	W0821640.091	56205.0
DH7117	KYMH MOREHEAD STATE U CORS ARP	N381102.876	W0832611.487	122049.3

NEAREST NGS PUBLISHED CONTROL POINT

HY0470	F 38	N382512.	W0820304.	5918.1
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This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.