



January 9, 2026

Kevin Sneed, CFM
CTP Project Officer
1700 MacCorkle Avenue, SE, 6th Floor
Charleston, WV 25314
(304) 957-2571
kevin.l.sneed@wv.gov

SUBJECT: Invoice 4 for COMS Tasks E & F; FY24 CTP Community Outreach and Mitigation Strategies (COMS) Grant.

Dear Kevin,

In accordance with the FY24 CTP Service Agreement, this first invoice in the amount of **\$31,000.00** is for COMS **Tasks E & F** in support of the WV Flood Tool Services (Task A) for the WV Flood Tool (www.mapwv.gov/Flood). See the scope of work as outlined the 2024-25 (FY24) CTP Statement of Work Plan dated September 2024, and authorized under a WV-48 service agreement between the WVEMD and WV GIS Technical Center, West Virginia University. Refer to the FY24 COMS [Statement of Work](#) documents for more details about the specific tasks.

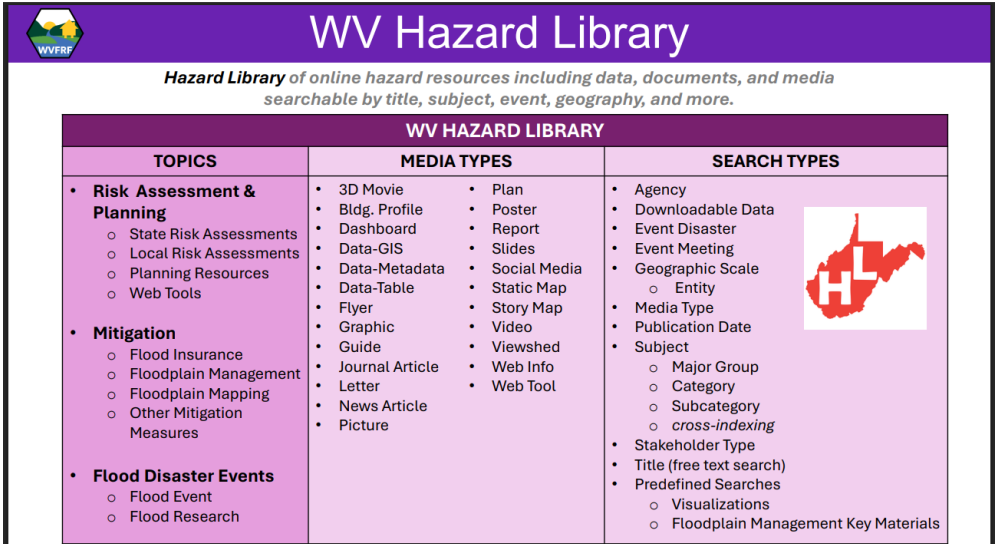
Invoice #	Services Rendered	Amount
Task E 01092026 Time Period 10/01/2024 to 12/31/2025	[Task E] WV Hazard Library: Organize and publish an online WV Hazard Library. Created the WV Hazard Library (https://wvfrf.org/library) of online hazard resources including data, documents, and media searchable by title, subject, event, geography, and more. Figure COMS-E.1. WV Hazard Library overview of topics, media types, and search types. 	\$18,000

Figure COMS-E.2. [WV Hazard Library](#) search page.

WV Hazard Library

An example query on Hazard Library: Documents related to flood events in Greenbrier County

Major group: Flood Disaster; Category Name: Flood Event; Geographic Scale: County; Geographic Entity: Greenbrier

Query Link: <https://wvhrf.org/library/?groupID=9&categoryID=37&scaleID=3&entityID=13&view=advanced&sortfield=Title&sorttype=asc>

WV Hazard Library

Search Options: Standard Advanced

Free Text: Search by keywords

Major Group: Flood Disaster Cross Index

Geographic Scale: County

Publication Year: Any

Author: Any

Organizational Level: Any

Media Type: Any

Category Name: Flood Event

Geographic Entity: Greenbrier

Disaster Event: Any

Project: Any

Risk Findings: Any

Subcategory Name: Any

Include Statewide Events: No

Meeting Event: Any

Stakeholder: Any

Flood Visualization: No

Key Materials for Floodplain Management: No

Search Reset

Total matching records: 12 of 893

Query Tags: Major Group: Flood Disaster Category Name: Flood Event Geographic Scale: County Geographic Entity: Greenbrier

CSV Results: [Click here](#)

Title	Group	Category	Subcategory	Scale	Media Type	Author	Pub Year
After Devastating Floods (Jun. 2016), Red Cross Provides Relief and Comfort to Survivors	Flood Disaster	Flood Event	2016 June Flood	County	Report	American Red Cross	2017
Greenbrier River at Anderson Gauging Station (Jun. 2016 Flood (Jun. 22 - Jun. 22, 2016)	Flood Disaster	Flood Event	2016 June Flood	County	Graphic	NHSC	2016
Greenbrier river rising from reservoir (Jun. 2016 Flood (County: Berkeley Register view all)	Flood Disaster	Flood Event	2016 June Flood	County	News Article	NHSC	2016
June 2016 Flood Inundates (Disaster FEMA-4273 DR)	Flood Disaster	Flood Event	2016 June Flood	County	Status Map	WVGHSC	2024
June 2016 Flood Photos	Flood Disaster	Flood Event	2016 June Flood	County	Picture	NHSC	2016
James Trotter's resignation for work during June 2016 flooding (Source: Mingo Messenger)	Flood Disaster	Flood Event	2016 June Flood	County	News Article	NHSC	2016
WV's Storm Events Database for 2016 June Flood (Greenbrier County, WV)	Flood Disaster	Flood Event	2016 June Flood	County	Data Table	NHSC	2016
Rescued baby believed to be missing flood victim (Jun. 2016 Flood (Source: Bluefield Daily Telegraph)	Flood Disaster	Flood Event	2016 June Flood	County	News Article	NHSC	2016
Remembering the Jun. 2016 Flood for years on (Source: WV DOTS)	Flood Disaster	Flood Event	2016 June Flood	County	News Article	NHSC	2023
Streams after the WV Flood of Jun. 2016 (Source: Tucker is Outside on YouTube)	Flood Disaster	Flood Event	2016 June Flood	County	Video	Social Media	2016
The Historic 2016 Late June Flooding Event in West Virginia (WVGS Summer Report)	Flood Disaster	Flood Event	2016 June Flood	County	Report	NHSC	2016
The Historic and Devastating Floods of June 23rd 2016 (WVGS Summer Report)	Flood Disaster	Flood Event	2016 June Flood	County	Report	NHSC	2016

Example Flood Hazard Library Queries:

- [Floodplain Management Resources](#) | [Key Resources](#)
- [All Hazard Mitigation Plans](#)
- [Hazard Guidance Documents](#)
- [Statewide Risk Assessment Resources](#)
- [Local Risk Assessment Resources](#)
- [Flood Risk Assessment Reports](#)
- [2024 WV Floodplain Management Conference Presentations](#)
- [Web Hazard Tools](#)

Task F**[Task F] HAZARD MITIGATION PLANS: Support Local Hazard Mitigation Plans with Flood/Landslide Risk Assessment Data.****\$13,000**

Flood and landslide risk assessment data for local hazard mitigation are routinely published to the web pages of the [WV Risk Explorer](#) and Hazard Library.

- [Flood Risk Data](#) | [Hazard Library](#)
- [Landslide Risk Data](#) | [Hazard Library](#)

Figure COMS-F.1. [Food Risk Data](#) public access for local hazard mitigation plans

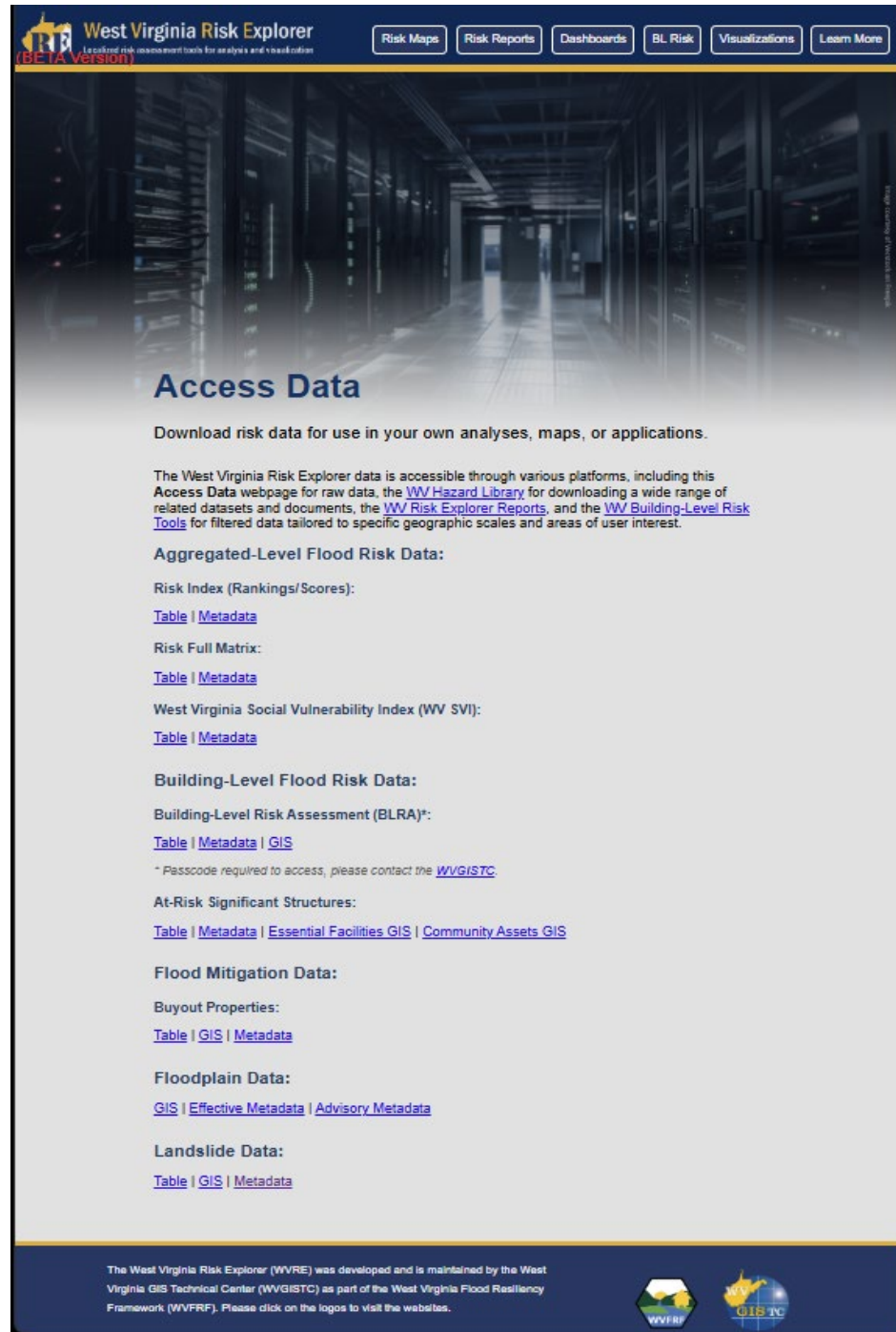


Figure COMS-F.2. [Landslide Risk Data](#) public access for local hazard mitigation plans

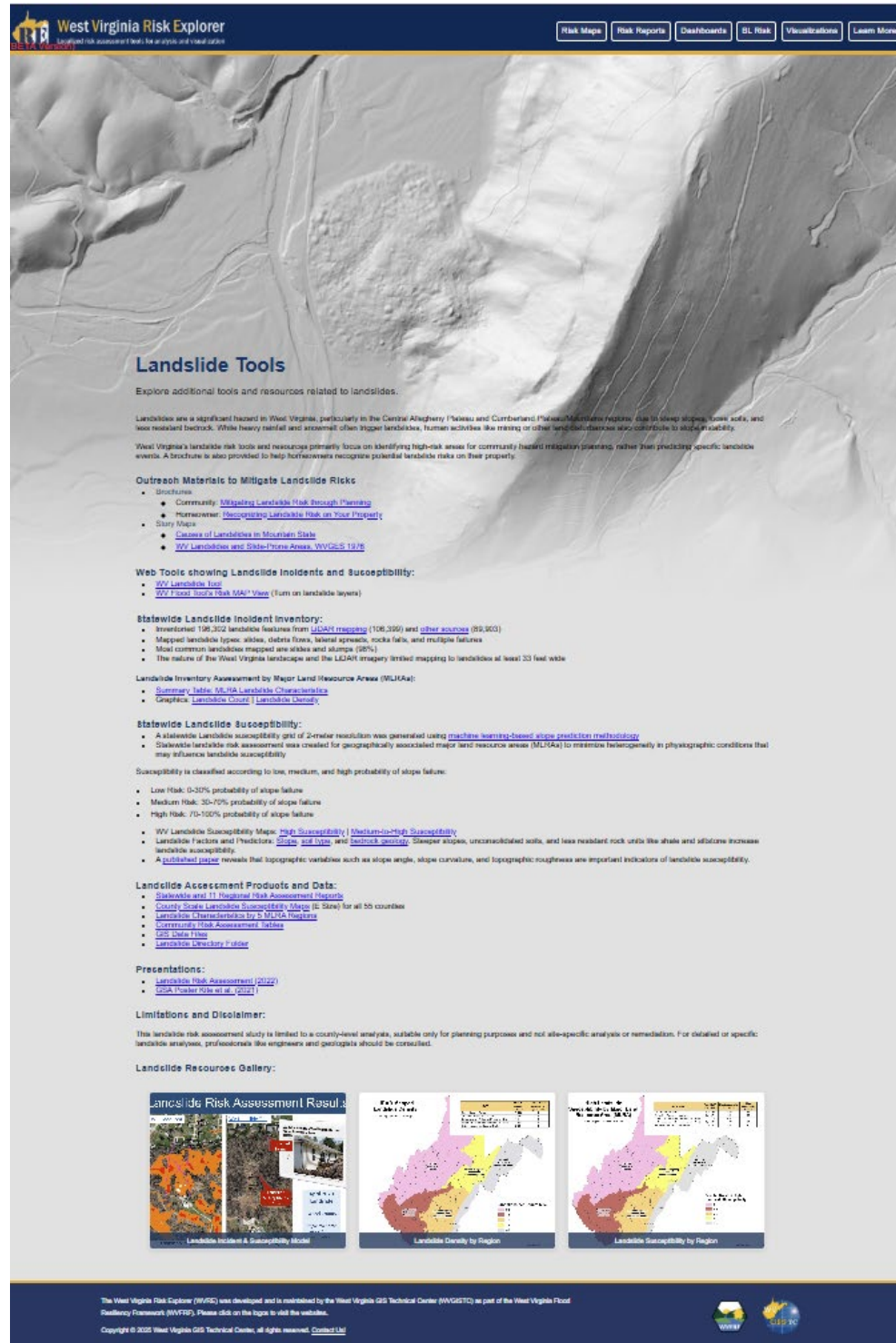


Figure COMS-F.3. WV Risk Explorer [Learn More](#) resources expanded to assist hazard mitigation planners.

Localized risk assessment tools for analysis and visualization	
<< OVERVIEW >>	
Website WEB	WRE Website (https://www.wvrf.org/wvre) Home
Flyer PDF	WRE Overview
Video 1 MP4	WRE 2-Minute Video
Video 2 MP4	WRE 20-Minute Video
HMP Guide PDF	WRE Resources for Hazard Mitigation Planning (HMP) (in update)
<< RISK FACTORS >>	
Technical Guide PDF	WRE Technical Documentation (includes Description, Rationale & Recommendations of Risk Indicators)
Diagram PDF	WRE Riverine Flood Risk Factors
Data Dictionary PDF	WRE Data Dictionary (Metadata) of Risk Indicators
Risk Factor Resources PDF	Resource Index to Static Map Graphics of each flood risk factor; Reports/Slides published for certain risk indicators
Download Risk Data WEB	WRE Data Download of Risk Indicators
RISK ASSESSMENTS	
Riverine Flood Risk Studies and Rankings	
<< STATEWIDE ASSESSMENTS >>	
Risk Findings Report PDF	Riverine Flood Risk Findings for West Virginia (in development)
WV Flood Risk Stats WEB	Statewide Online Flood Risk Report & Graphics
WV Risk Assessment Poster PDF	Statewide Flood Risk Assessment Statistics
Fast Facts PDF	30 Fast Facts about Riverine Flooding in West Virginia
<< LOCAL ASSESSMENTS >>	
Local Risk Studies HL	Local Risk Study Reports accessible via WV Hazard Library
Building: Marlinton WEB	Example WV Flood Tool displaying building-level risk for Marlinton
Community: Marlinton	
• All Risk Indicators WEB	Flood risk reports at higher aggregate scales of community, county, and region. Example All Risk Indicators Report for town of Marlinton.
• Top 20% Indicators WEB	Example Top 20% Risk Indicators Report for Marlinton
• Risk Comparison WEB	Example Risk Comparison Report of Marlinton to other municipalities
County: Pocahontas WEB	Example County Report with community sub entity rankings
Region: PDC 4 WEB	Example Regional Report with county-community sub entity rankings
<< TOP RANKINGS >>	
Top 10% Summary PDF	Top 10% Cumulative Rankings of 7 Geographic Scales
Top 20% Summary PDF	Top 20% Cumulative Rankings for 7 Geographic Scales
Top 6 Entity Rankings PDF	Top 6 Entity Rankings for All Risk Factors at Multiple Scales
Top Primary Structures WEB	Top Primary Structures with highest FEMA-mapped 1% (100-Yr) flood depths

	Total invoice amount:	\$31,000
--	------------------------------	-----------------

Please use the following information for paying electronically:

Payment Transfer Information:

OASIS: 4187 111 1463 1463 6909 H514

WVU Acct: 11. 110530213. 11303179. 4108501. 999. 99999999

If you have any questions, or need clarifications, please do not hesitate to call.

Sincerely,



Kurt Donaldson
Project Manager
WV GIS Technical Center, WVU
e-mail: kdonalds@wvu.edu

CC: WVU Revenue Services - WVUDeposits@mail.wvu.edu