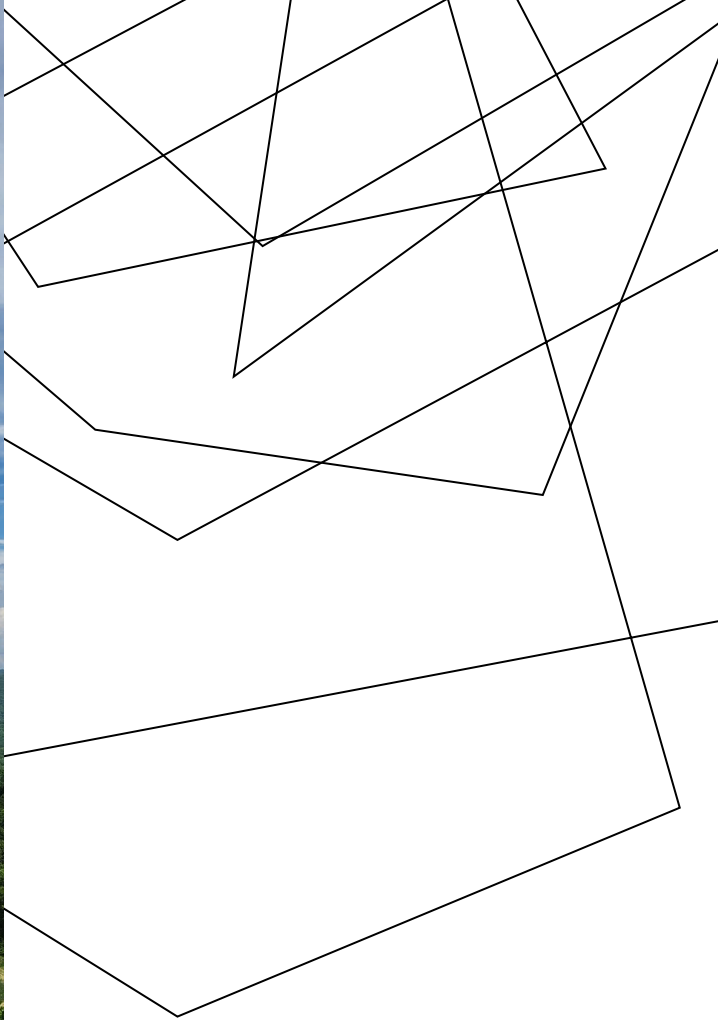




WVEMD IFLOWS

INTEGRATED FLOOD OBSERVATION AND WARNING SYSTEM

ANDY TETER- IFLOWS SUPERVISOR

**GOOD
AFTERNOON !!**

Introduction to IFLOWS

Flood Warning

(WVEMD IFLOWS Rapid Flood Detection- RFD)

Conclusion

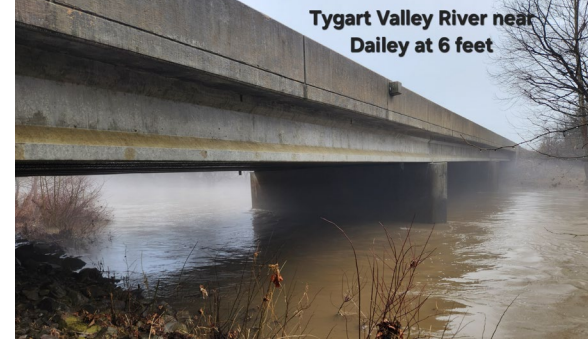
QUESTIONS / COMMENTS





IFLOWS OVERVIEW

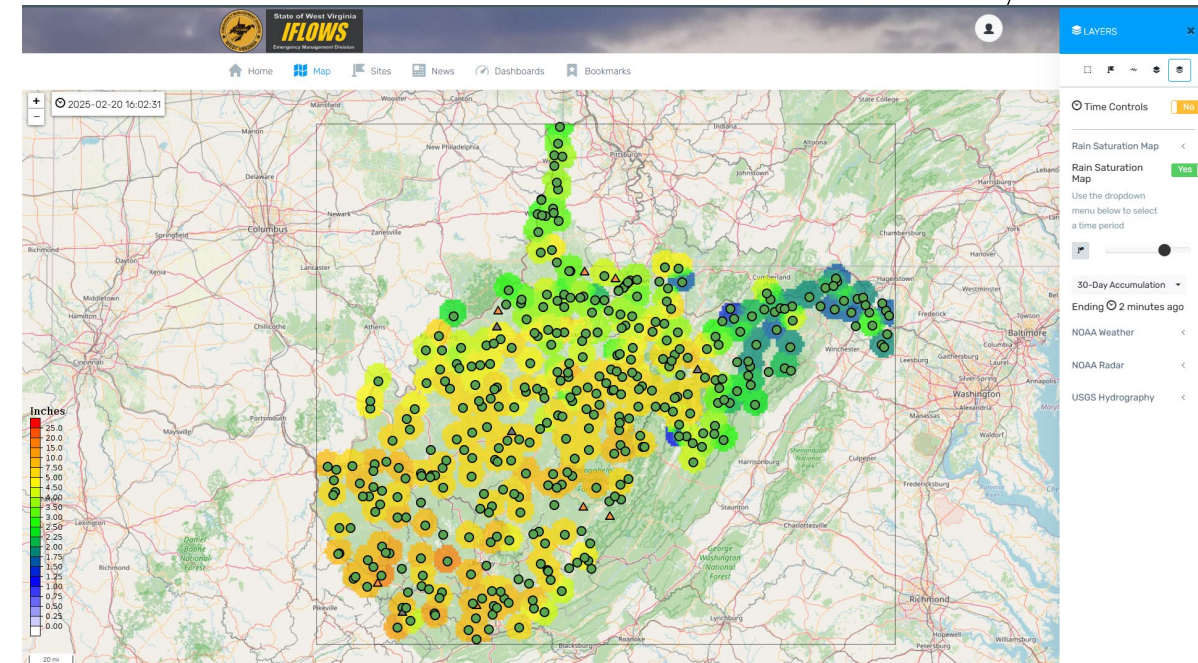




INTRODUCTION TO WVEMD IFLOWS

INTEGRATED FLOOD OBSERVATION AND WARNING SYSTEM

- System consists of 12 Collection Points (Towers) with approximately 7 more to be added
- 258 Active Rain/Weather stations- VHF Radio telemetry- System Upgrade Ongoing...
- ONLY State Flood Warning System in the Country that is Fully Installed/Maintained by State Employees- One of the Largest in the Country
- Website – wvrainfall.wv.gov
- Local benefits of the website?
- Post Event data acquisition for FEMA / Insurance claims (recent Flooding in West Virginia)



WVEMD IFLOWS

RFD - (RAPID FLOOD DETECTION)

Build Out----

1. Receiving Requests from County OEM, Summer Camps, Cities, Businesses
2. Locate streams of need
3. Prepare Site Specific Quotes

Site Coordination / Equipment Choice

1. Where do you want it
2. How much data do you want
3. How do you want the data to reach IFLOWS network



WVEMD IFLOWS- PLAN AND COST ESTIMATE

ONE Time cost to Partner for
Equipment Purchase***

WVEMD IFLOWS Technicians
Install/Maintain/Repair/Replace
Equipment throughout the
equipment lifespan

Custom Thresholds, Alarms and
Warnings

Data displayed 24/7 at
wvrainfall.wv.gov

Equipment	Estimated Cost	Yearly Cost to Partner	Customized to Partner Needs
Simple Stream gauge/Cellular	\$3200-\$4900 ***	\$180-\$600	100%
Simple Stream VHF-WVEMD	\$5300 ***	\$0	100%
Simple Stream Iridium Sat.	\$5000-\$6400 ***	\$850+	100%
Stream and FULL Weather Station-VHF- WVEMD	\$8000-\$9000 ***	\$0	100%

CLOSING STATEMENT



WVEMD IFLOWS- Rapid Flood Detection- RFD

Enhanced Warning- Proactive vs Reactive....

Local Customization

Partner picks the sites of need

Partner Reimburses WVEMD for Equipment Cost

Cellular/Iridium Sat. Data- \$\$\$ Partner responsibility, but still working to eliminate or reduce cost of this option

Existing robust -VHF NO COST to Partner



QUESTIONS / COMMENTS ???
THANK YOU FOR YOUR TIME !!

Andy Teter

West Virginia Emergency Management

IFLOWS Supervisor

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