Arizona Game & Fish Department



Lakes ALERT System

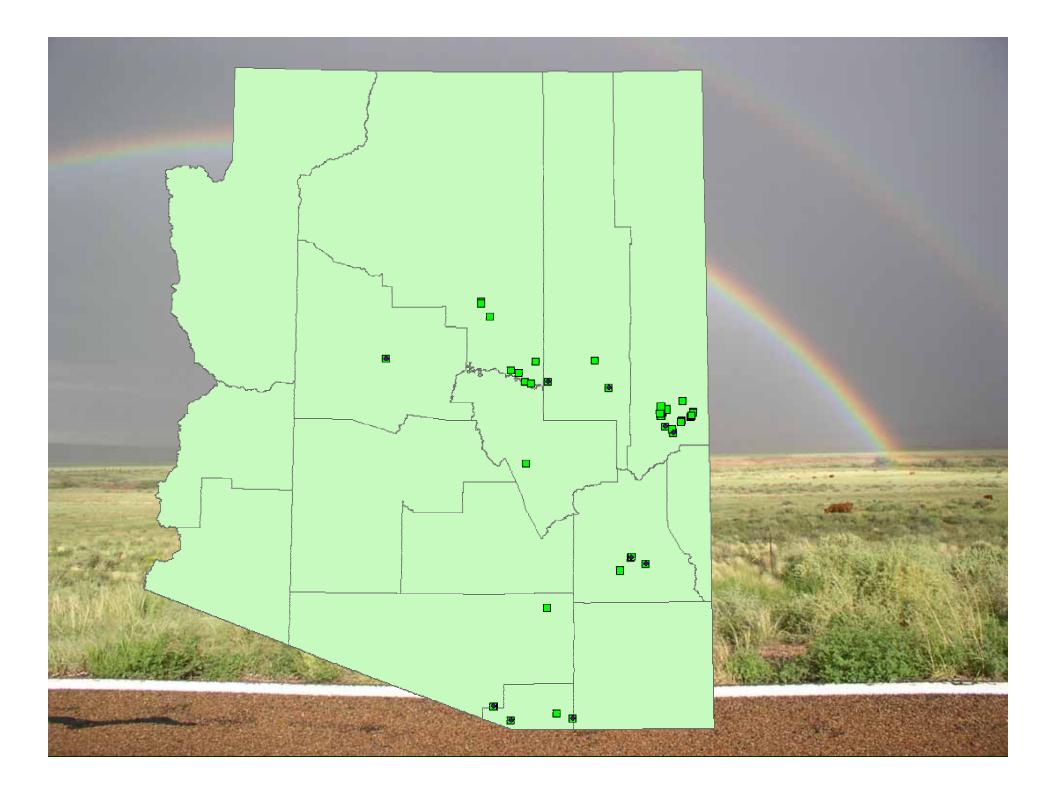
IAFSM Annual Conference, 2011 Bloomington-Normal, Illinois

Presenter: David Meyer, RG, EIT, CFM





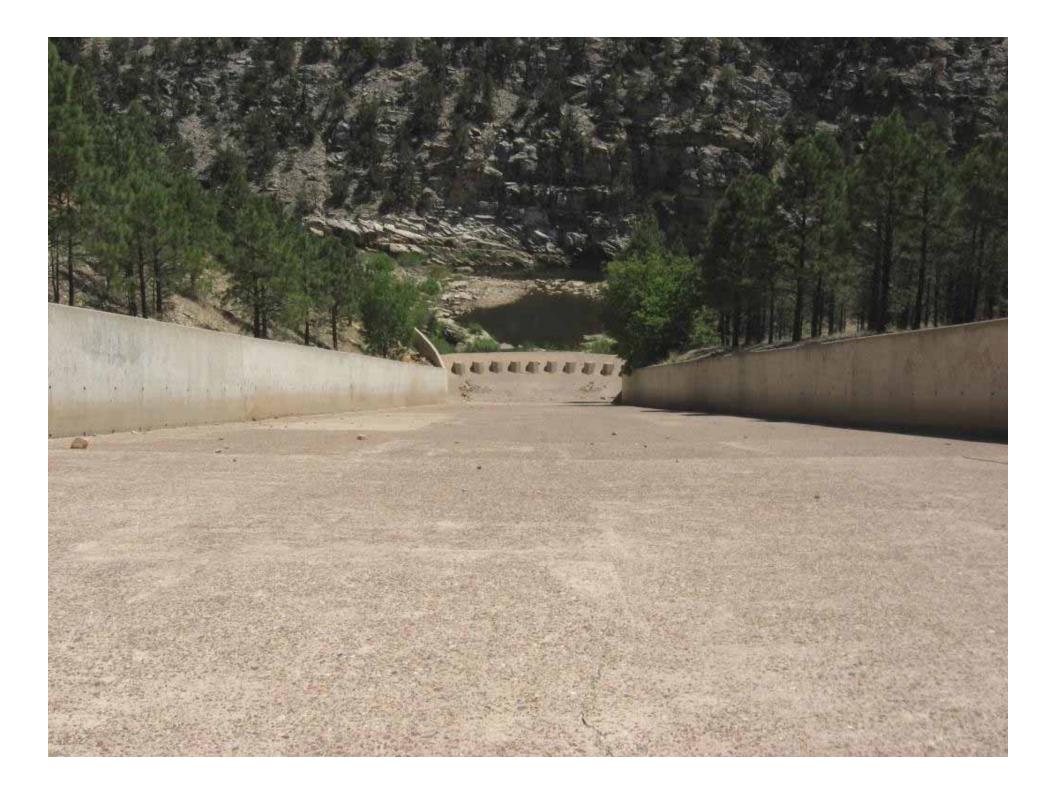
•AZ G&F Department Dams
•ALERT System Primer
•Lakes ALERT System





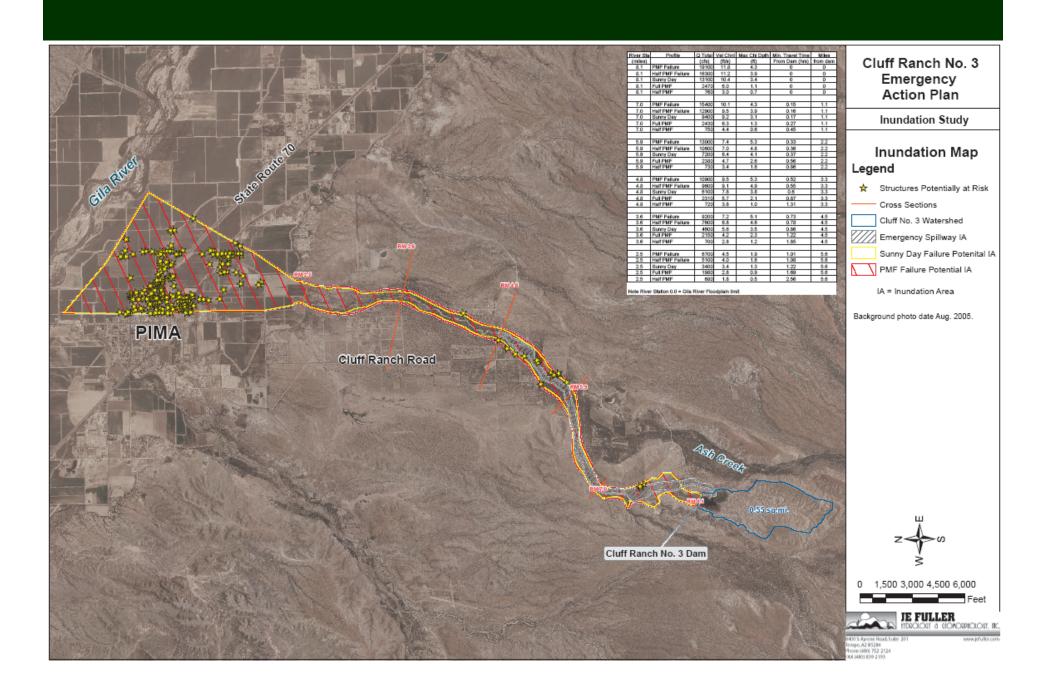


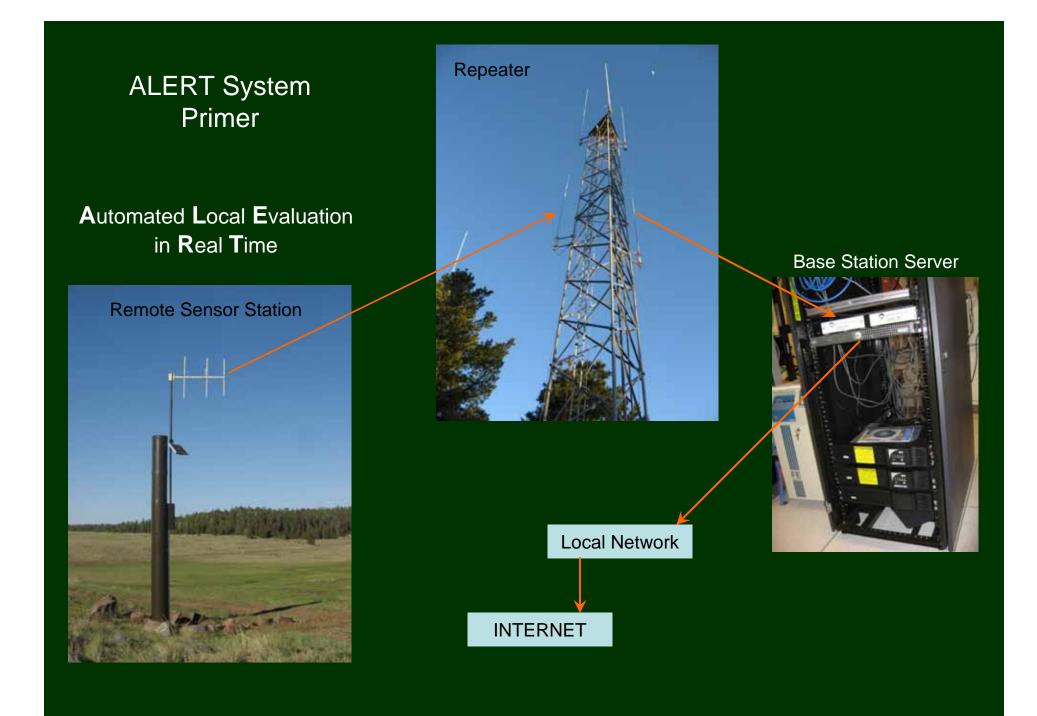












ALERT System Primer

Pressure Transducer Stage Sensor



Ultrasonic Stage Sensor



Remote Sensor Station



Tipping Bucket Rain Gauge

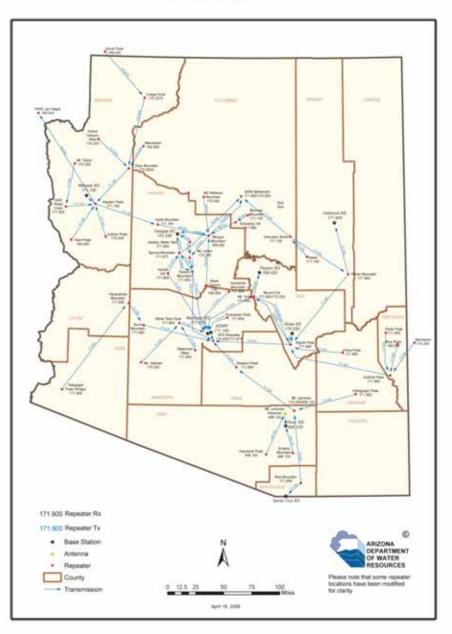


ALERT Transmitter



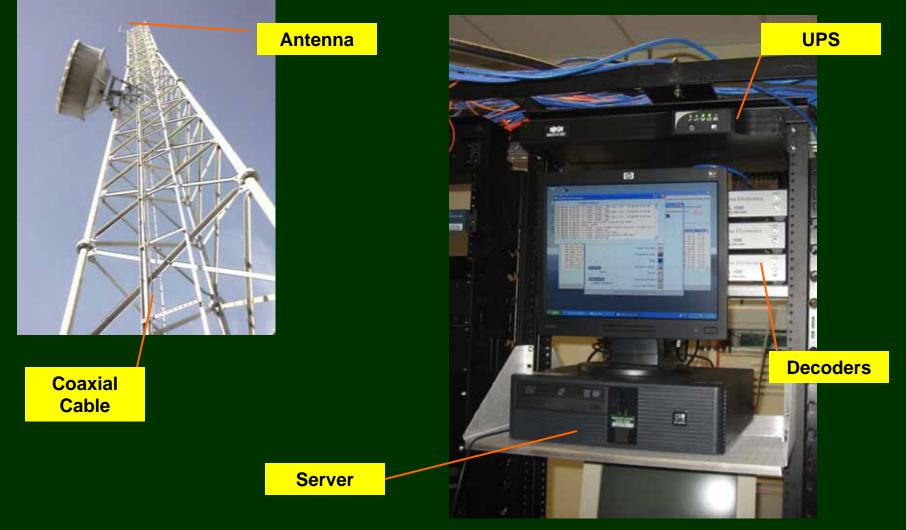
ALERT System Primer Repeaters

Arizona Statewide Flood Warning System ALERT Repeaters



ALERT System Primer

Base Station



Base Station Antenna

Base Station Decoders/Server

ALERT System Primer

Base Station Server Functions

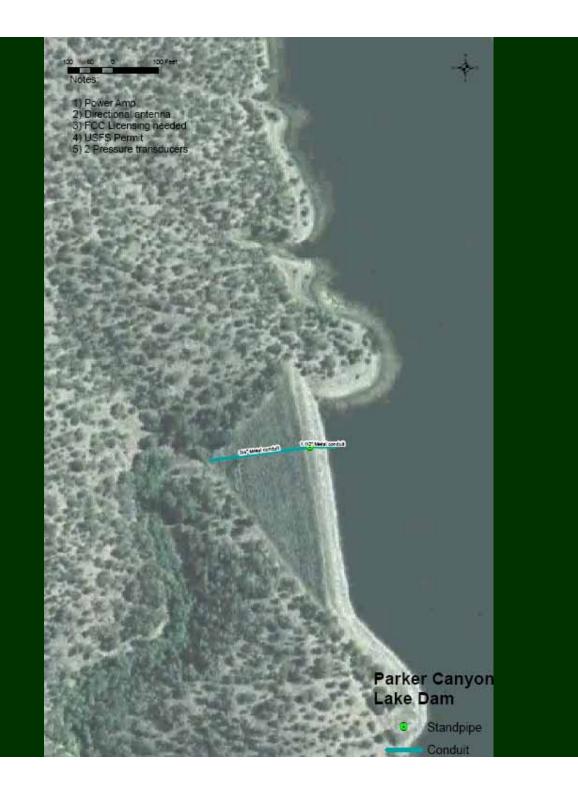
Data Collection & Storage Data Reports & Display Data Error Checking Automated Alarms & Notification Scheduled Functions Real-Time Watershed Modeling / Forecasting Browser Interface Host (LAN / WAN)



Lakes ALERT System







Phase 2





















Phase 3

Seepage/Sediment MonitoringBase Station EnhancementsRepeater Upgrades





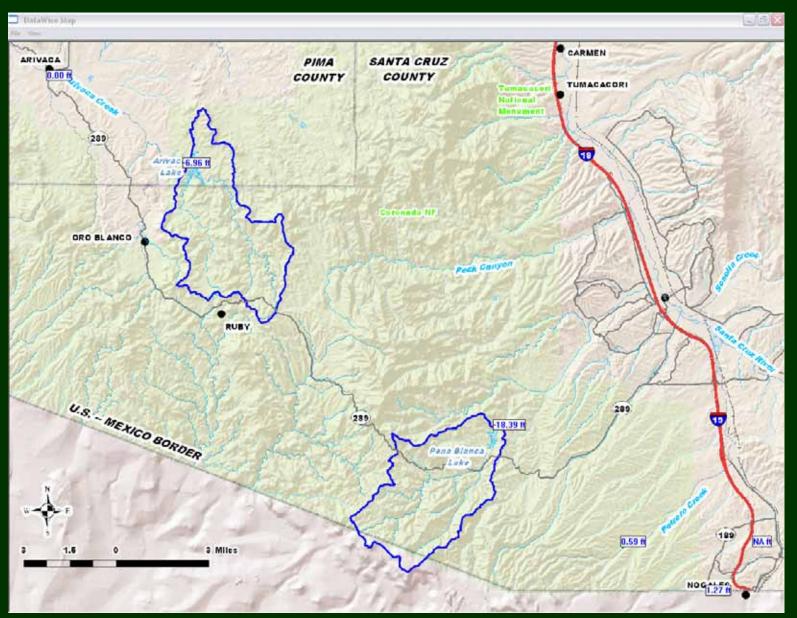
Seepage/Sediment Monitoring



Seepage/Sediment Monitoring



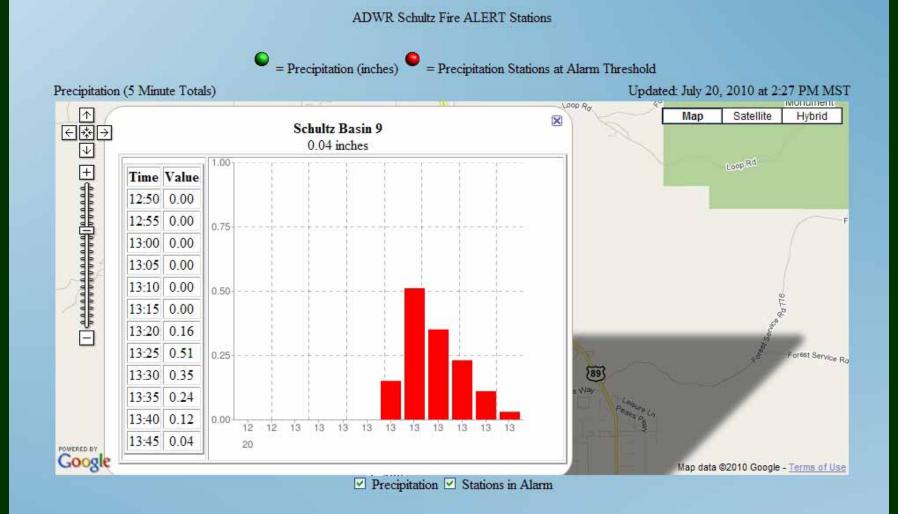
Base Station Enhancements



Base Station Enhancements



Base Station Enhancements



Repeater Upgrades

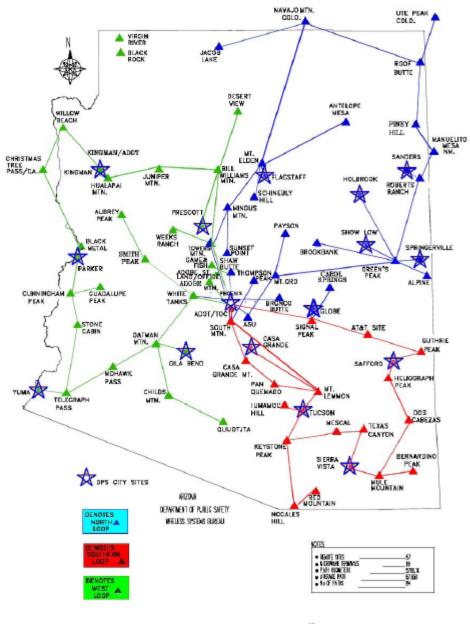


Figure 16 - STATE MICROWAVE MAP¹⁶

Web Sites



National Hydrologic Warning Council hydrologicwarning.org

Arizona Flood Warning System afws2.org

JE Fuller Hydrology & Geomorphology Jefuller.com

Presenter: David Meyer, RG, EIT, CFM

