



TFRSAC FALL 2022

Presenters



PHIL SELEGUE
DEPUTY CHIEF –
INTEL BRANCH

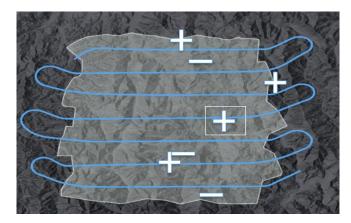


GREG DENTON
FIRE AND EMERGENCY SERVICES
OVERWATCH IMAGING



JORDAN WILSON FIREFIGHTER II INTEL BRANCH

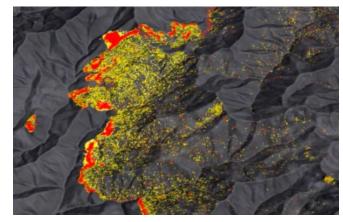
Operational Mission Sets



Lightning Patrol



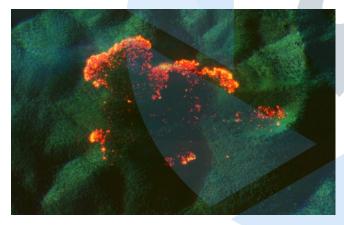
Damage Inspections



Tactical Fireline Updates



BAER Post-Burn Survey



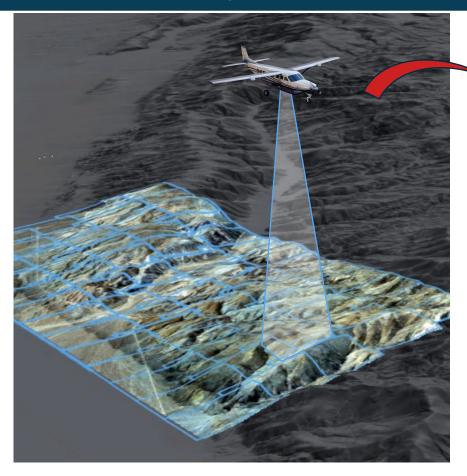
Fire Mapping

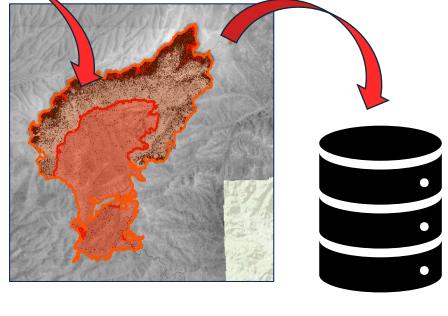


Landslide Risk / Extent Mapping



Data Lifecycle and Access





FIRELINE BOUNDARY DATA
DAYTIME 4-BAND ORTHOPHOTOS
THERMAL RASTERS

REAL-TIME INTEL AND REPORTING

RAPID USE
DELIVERY TO COP

LONG TERM ACCESS
DELIVERY TO DATABASE



The Mill Fire of Siskiyou County broke out September 2nd, and was driven to almost 4,000 acres on the first day by a strong Wind event. Destroyed 118 homes, and damaged 26 others. It also claimed 2 lives.





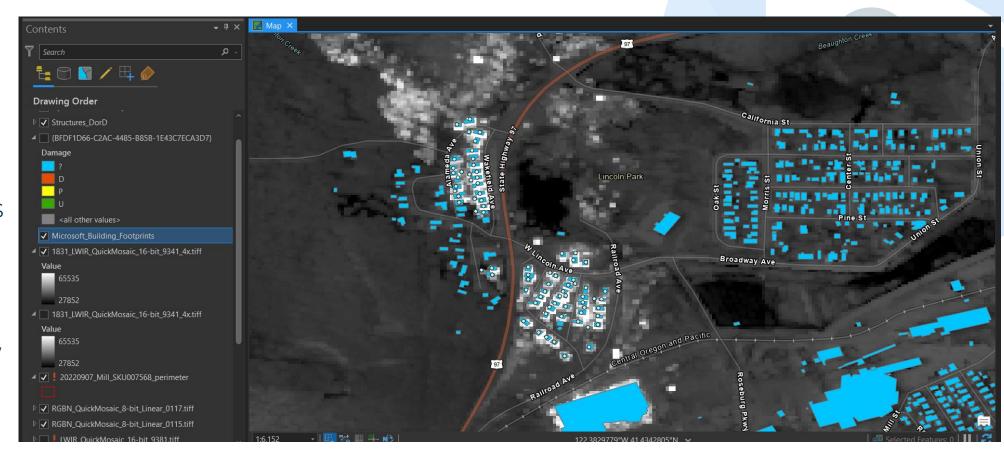
THERMAL IR @ 4x DOWNSAMPLE

BUILDING FOOTPRINTS

ALIGNEMENT IS KEY!

CAPTURE TIMING

REMOTE DATA REVIEW





ANALYSIS BY INTEL

DAMAGE CLASSES
? - UNKNOWN
D - DESTROYED
P - POTENTIAL EFFECTS
U - UNAFFECTED

1.5 HRS POST CAPTURE





INTEL REPORT -114 DESTROYED +/- 5 POTENTIAL

FINAL INSPECTION - 118 DESTROYED

CAVEATS
OVERHEAD VIEW
PRELIMINARY REPORT



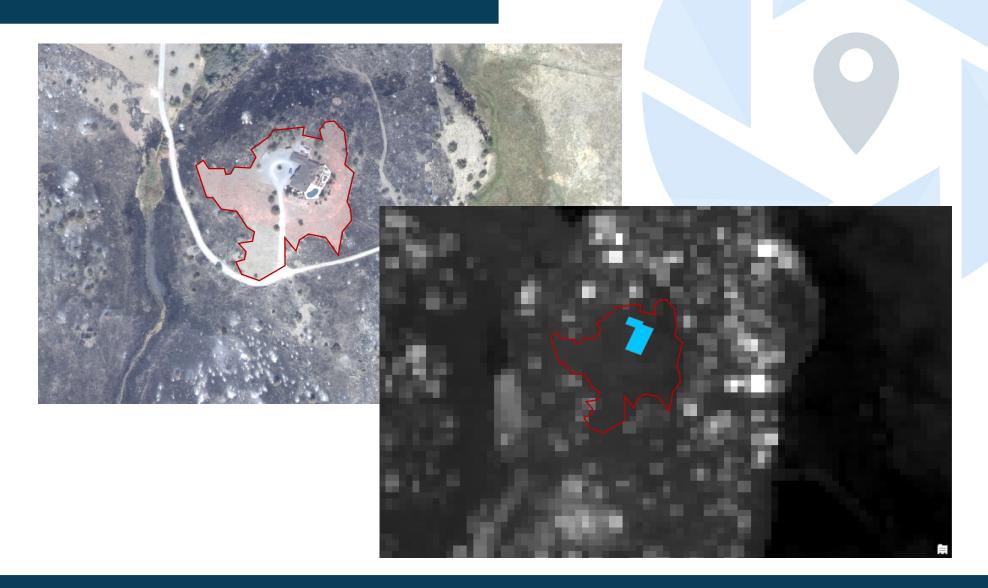


DEFENSIBLE SPACES

CLEARLY VISIBLE IN IR

VISUALIZE AND MEASURE THE EFFECTS OF FUEL MANAGEMENT

NICE WORK LANDOWNER





Incident Intelligence, Data Management and Data Integrity



Q - How do we transform data into better decisions?

What decisions will be supported by program?

Decisions (Insight)

Combining intelligence, evidence and qualitative data and presenting it to inform decision making

What intel reports will support those decisions?

Intelligence

Analysis, interpretation and assessment of information to provide intelligence of trends, needs etc. and review of evidence

What information is required to form intel reports?

Information

Data is presented in an understandable way e.g. graphs, tables, but with no narrative or interpretation

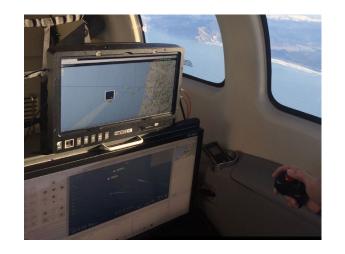
What data is required for analysis?

Data

Raw form of data, many sources, needs 'cleaning' and processing to be useful



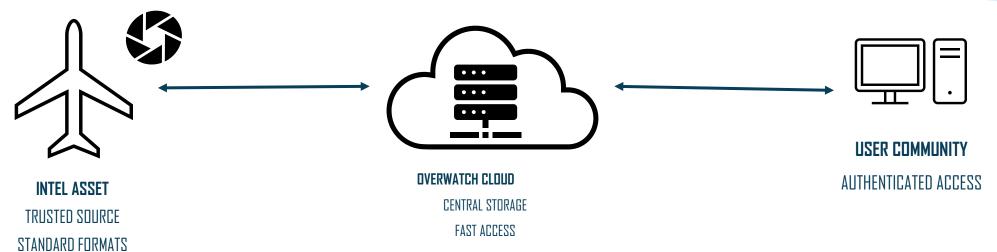
Multi-Sensor Data Management















THANK YOU

