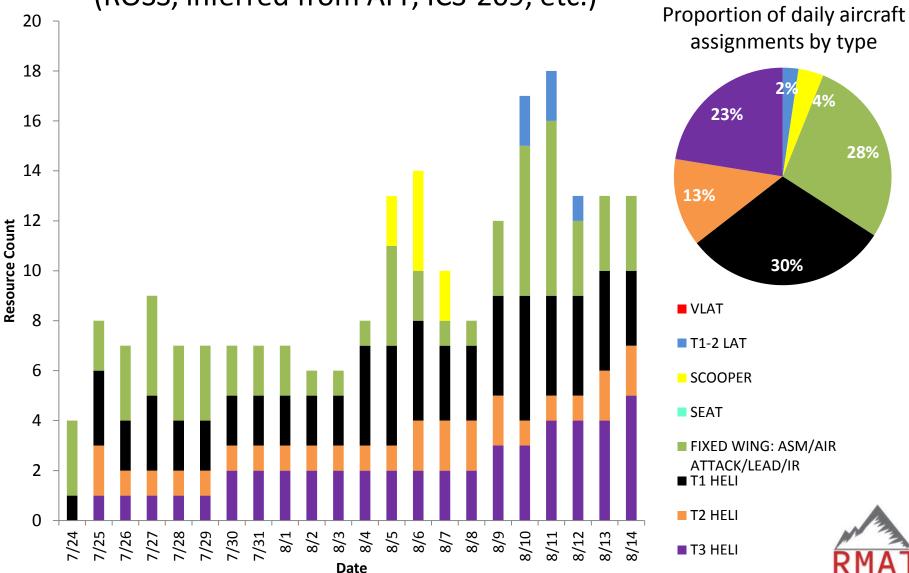
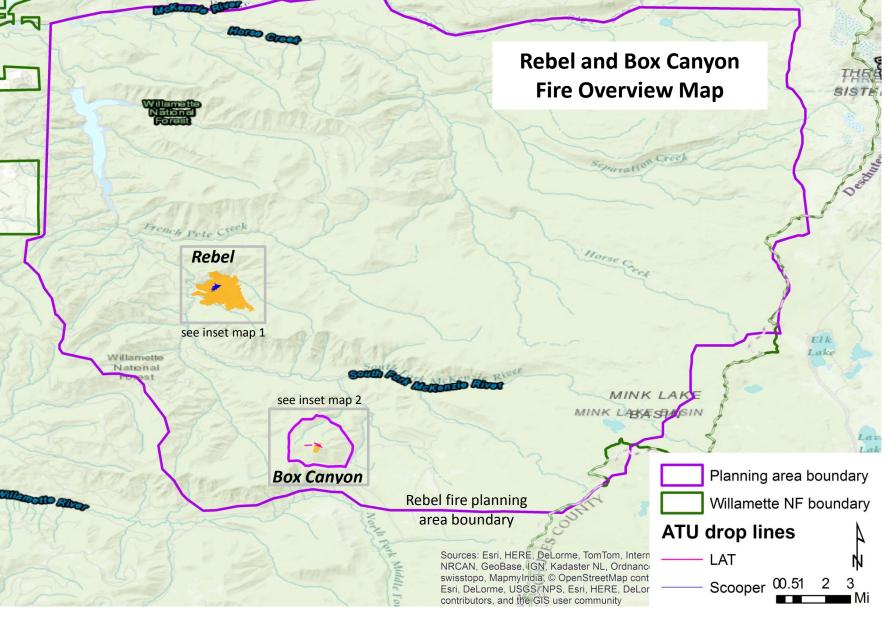
Incident Support: Analysis of aviation use for 2017 late summer wildfires on the Willamette National Forest

 Near real-time analysis through 8/14 using data through the previous day, including Additional Telemetry Unit (ATU) drop location data and information on aviation resources assigned (ROSS, ICS-209, AFF, etc.)



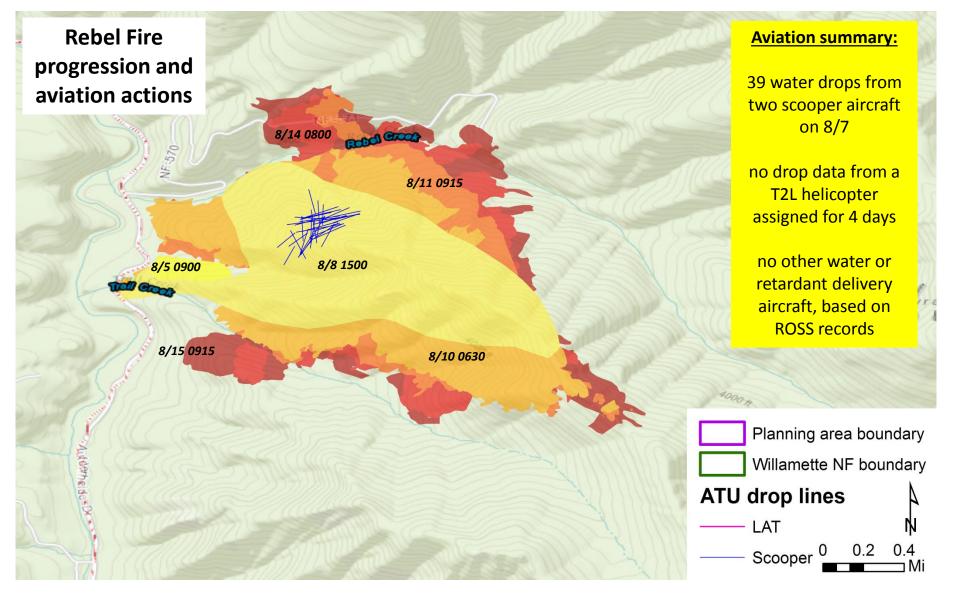
Willamette NF Fires: Daily distribution of aircraft assigned by category (ROSS, inferred from AFF, ICS-209, etc.)





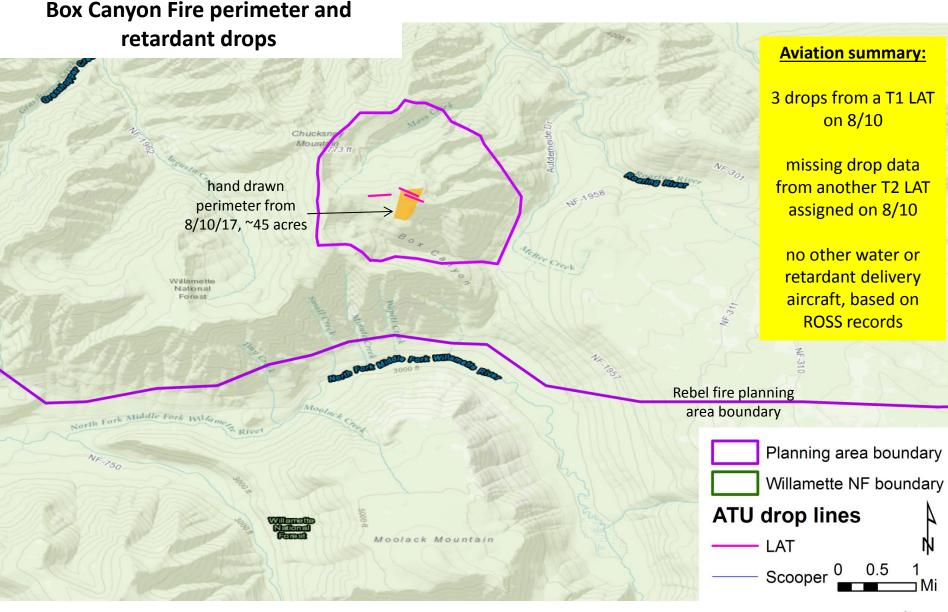
Map for general overview purposes - contains some uncleaned drop data





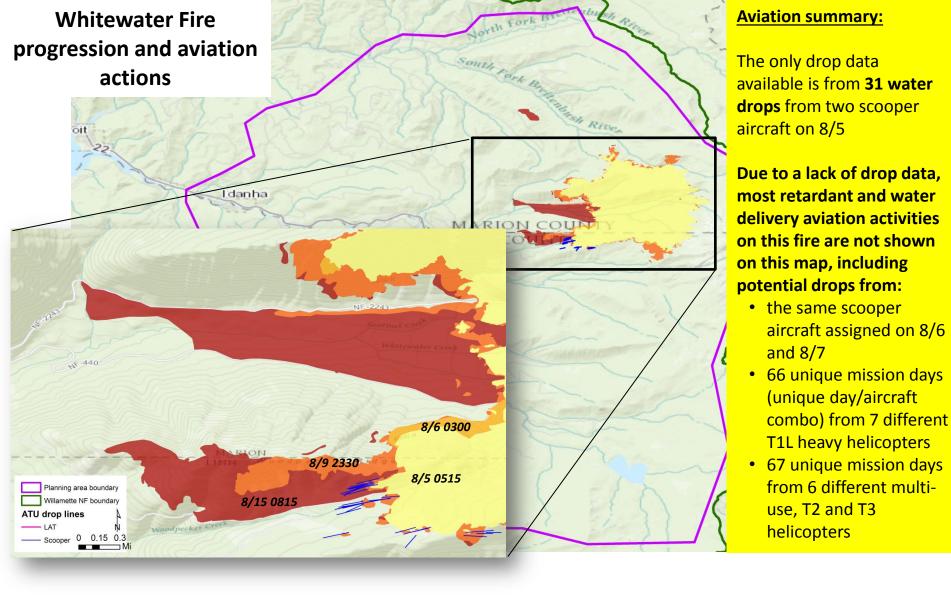
Map for general overview purposes - contains some uncleaned drop data





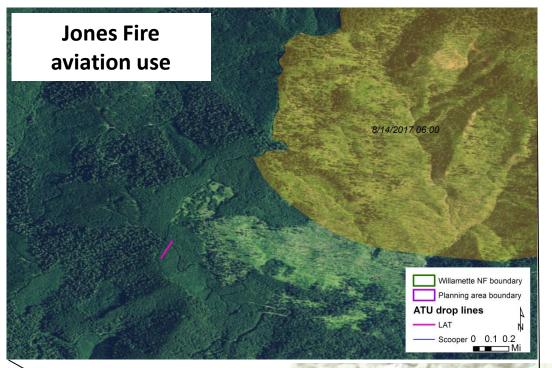
Map for general overview purposes - contains some uncleaned drop data





Map for general overview purposes - contains some uncleaned drop data





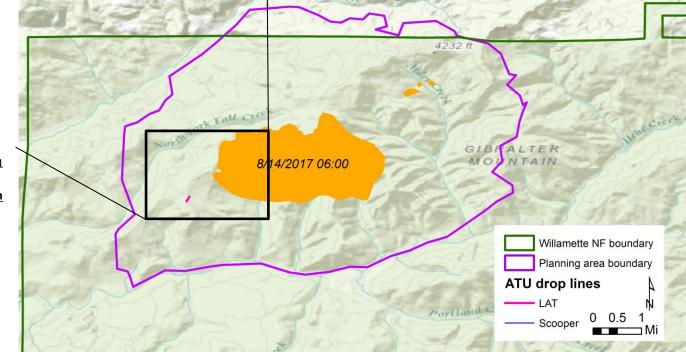
DATA THROUGH 8/14

Aviation summary: 1 T1 LAT drop on 8/12

two multi-use T2 and T3 helicopters assigned, but no drop data and unknown if these are completing bucket work

Drop lines are projected from GPS coordinates for door opening & door closing events obtained from Automated Telemetry Units (ATU) onboard USFS contract LATs, VLATs, and EU tanked Type 1 helicopters. Data are not fully representative of all aircraft activities and only show a proportion of total incident use.

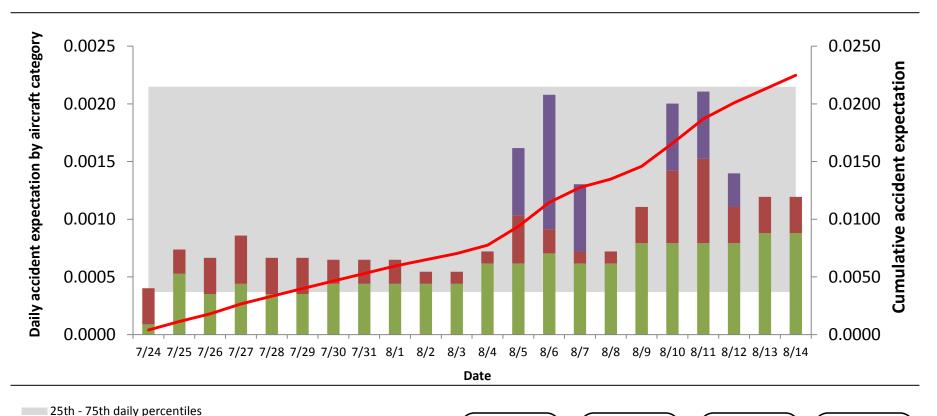


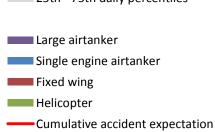




Willamette National Forest 2017 Fires Aviation Exposure Index (AEI) aviation accident expectation

ROSS incidents include Whitewater, Rebel, Box Canyon, Jones, and 2017 WIF ABC misc.





Number and type of aircraft assigned to fire (ROSS)

X

Average perincident flight time by aircraft type (historical ABS) 10-year avg accident rate (USFS Aviation Safety Summary)

Daily Aviation Exposure Index (AEI)

NOTE - Accidents can occur at any end of the cumulative exposure spectrum; this index is not a predictor for accident occurrence.

ATU - additional telemetry unit

- Sensors that log door events on airtankers and tanked helicopters
- GPS points w/ door open and close
 - USFS contract LATs, VLAT, scoopers, tanked exclusive use T1 helicopters
 - No data from SEATs, non USFS LATs, all other helicopters
- Near real-time geospatial product
- Not widely available or used

