

## INFRARED INTERPRETER'S DAILY LOG

<b>Incident Name:</b> Boundary ID-SCF-021230	<b>IR Interpreter(s):</b> Elise Bowne elise.bowne@usda.gov	<b>Local Dispatch Phone:</b> Central Idaho Dispatch 208-756-5157	<b>Interpreted Size (Acres):</b> 4,731 acres <b>Growth last period</b> 913 acres
<b>Flight Time:</b> 2132 MDT <b>Flight Date:</b> 08/30/2021	<b>Interpreter(s) location:</b> Lakewood, CO <b>Interpreter(s) Phone:</b> 303-517-7510	<b>GACC IR Liaison:</b> Nate Yorgason <b>GACC IR Liaison Phone:</b> 435-590-1107	<b>National Coordinator:</b> Tom Mellin <b>National Coord. Phone:</b> 505-301-8167
<b>Ordered By:</b> Salmon Challis NF 208-756-5157	<b>A Number:</b> A-80	<b>Aircraft/Scanner System:</b> N350SM/Tenax TK-9	<b>Pilots/Techs:</b> Unknown/John
<b>IRIN Comments on imagery:</b> Orthorectification is off a bit.		<b>Weather at time of flight</b> Clear	<b>Flight Objective:</b> Map heat perimeter, intense, scattered, and isolated heat
<b>Date and Time Imagery Received by Interpreter:</b> 8/30/21 @ 2230 MDT		<b>Type of media for final product:</b> Two sets of shapefiles, one geodatabase, two pdf maps, one kmz file, and the IR Log. IR output will also be posted to NIFS.	
<b>Date and Time Products Delivered to Incident:</b> 8/31/21 @ 0415 MDT		<b>Digital files sent to:</b> <a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Boundary/IR/">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Boundary/IR/</a>	
<b>Comments /notes on tonight's mission and this interpretation:</b>			
<p>Started with the Event polygon from the NIFS. The heat perimeter grew in nearly all directions, with an arm of intense heat moving up the SE-facing slope of the Morehead Creek drainage on the northwest part of the incident, with numerous isolated areas of heat out in front of the main perimeter. Along the north edge of the perimeter, there was growth to the northeast at the airstrip. On the east edge of the incident, the heat has moved across the ridge into the east-facing slopes with areas of intense heat and numerous isolated areas of heat. On the SE part of incident, the heat appears to have moved to the top of the ridge there. On the south edge of the incident, just to the east of the Middle Fork Salmon River, the heat has moved up to the top of the ridge and is starting to back down the slope on the other side. Further west, near the boat ramp, some very intense heat was detected with growth to the south, down to the boat ramp and on either side of the knob directly north of the Boundary Creek campground. Along the SW part of the incident, intense heat backed down the slope in several directions.</p> <p>There were two areas of heat perimeter mapped tonight far from the main perimeter. They appear to have intense heat. However, these areas are only included in the separate heat perimeter shapefile called 20210830_2132_Boundary_IR_All_HeatPerimeter, because the interpreter suspects these are false positives. The area mapped along the north bank of the Middle Fork Salmon River showed intense heat, but seemed to be in rock or soil. This was mapped because other rocky areas did not show heat. The other area was further northeast near the SheepEater Hot Springs – so probably was a false positive as well.</p> <p>Due to issues with shifting perimeters, the interpretation was done using data in decimal degrees, WGS84 datum. The shapefiles provided in UTM 11 NAD83 were created with the transformation WGS84 to NAD83 5. Please inform the interpreter which transformation is in use so this can be matched, or better yet, the interpreter suggests that the data is left in WGS84.</p> <p>Feedback is always appreciated. Please contact the interpreter with contact information above.</p>			