

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Boundary ID-SCF-021230	IR Interpreter(s): Elise Bowne elise.bowne@usda.gov	Local Dispatch Phone: Central Idaho Dispatch 208-756-5157	Interpreted Size (Acres): 21,283 acres Growth last period 6,897 acres
Flight Time: 2302 MDT Flight Date: 09/03/2021	Interpreter(s) location: Lakewood, CO Interpreter(s) Phone: 303-517-7510	GACC IR Liaison: Nate Yorgason GACC IR Liaison Phone: 435-590-1107	National Coordinator: Tom Mellin National Coord. Phone: 505-301-8167
Ordered By: Salmon Challis NF 208-756-5157	A Number: A-85	Aircraft/Scanner System: N350SM/Tenax TK-9	Pilots/Techs: Unknown/John
IRIN Comments on imagery: Pretty well aligned orthorectification, good clear imagery		Weather at time of flight Clear	Flight Objective: Map heat perimeter, intense, scattered, and isolated heat
Date and Time Imagery Received by Interpreter: 9/03/21 @ 2345 MDT		Type of media for final product: Shapefiles, one geodatabase, two pdf maps, one kmz file, and the IR Log. IR output will also be posted to NIFS.	
Date and Time Products Delivered to Incident: 9/04/21 @ 0515 MDT		Digital files sent to: https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Boundary/IR/	
Comments /notes on tonight's mission and this interpretation: Started with the event polygon in NIFS. Lots of intense heat and heat perimeter growth was detected tonight, mainly on the south side of the incident. Starting in the south, the heat perimeter has expanded on both sides of the Middle Fork Salmon River along the southern part of the perimeter, moving up Blue Bunch Creek. At flight time, the intense heat was still a mile north or downhill of Blue Bunch Mountain. In that area, the heat has moved to the east to nearly intercept the Middle Fork again. Isolated heat sources were detected on both sides of the river at Mile 101 (marking on topo map). Just to the north, on the north side of the Middle Fork, the heat is well established in Kotch Creek, with a single isolated area of intense heat in the unnamed tributary to the SE. In places the fire seems to have skipped over large areas. Currently they are excluded from the perimeter. It is unknown if the fire moved through quickly and left no residual heat, or if those areas are devoid of fuels from previous fires or were just rocky areas. It appears that there are lots of unburned patches on ridge that runs N/S through about the middle of the fire. Further to the east, there is heat in and around the northern Soldier Lakes area, with heat in Soldier Creek. To the north the heat is backing down the Greyhound Ridge with numerous isolated heat areas. There is one heat source all the way down in the bottom of Greyhound Creek. Isolated heat sources were detected there previously, but most showed no heat tonight. On the NE part of the incident, there has been some expansion to the north, along the ridge between Soldier and Greyhound Creeks. To the west of there, the heat in Thicket Creek has cooled a bit to just scattered heat, with the exception of the intense heat found on the edges that are expanding a bit on the north. There are a few heat sources outside the main perimeter. To the SW from the ridge running through the middle of the fire down to Sulphur Creek and Moorehead Mountain, the fire edge was cooler, with only isolated heat detected. On Moorehead Mountain, intense heat detected to the west where the heat is wrapping around the mountain and just starting to back down into Blue Moon Creek above the Sulphur Creek Ranch. South of Sulphur Creek there were small amounts of intense heat along the ridge, and a bit more in Boundary and Dagger Creek. 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. Feedback is always appreciated. Please contact the interpreter with contact information above.			