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| **Incident Name:**American ForkMT-HLF-005087 | **IR Interpreter(s):**Chad Horman | **Local Dispatch Phone:**Great Falls (406-753-5300) | **Interpreted Size:** 14,738 Acres**Growth last period** 341 Acres |
| **Flight Time:** 2247 MDT**Flight Date:**8/3/21 | **Interpreter(s) location:**Cedar City, UT**Interpreter(s) Phone:**435-592-5175 | **GACC IR Liaison:**Tim Stauffer**GACC IR Liaison Phone:**406-529-6366 | **National Coordinator:**Tom Mellin**National Coord. Phone:**505-301-8167 |
| **Ordered By:**MT-HLF406-868-7926SITL: Chris Sharpton828-989-7000chris.shaprton@firenet.gov | **A Number:**A-43 | **Aircraft/Scanner System:**N149Z/Phoenix | **Pilots/Techs:**Tech: Rob N. |
| **IRIN Comments on imagery:**Color imagery was heavily tinted yellow. It made it hard to discern heat. Orthorectification was good.  | **Weather at time of flight:**Cloudy, but between the two passes very little of the fire area was covered. | **Flight Objective:**Map heat perimeter, intense, scattered, and isolated heat |
| **Date and Time Imagery Received by Interpreter:** 8/3/21 @ 2308 MDT | **Type of media for final product:**Shapefile, .kml file, maps and IR log**Digital files sent to:**ftp/incident\_specific\_data/n\_rockies/2021\_fires/2021\_AmericanFork/IR/20210804 |
| **Date and Time Products Delivered to Incident:**8/4/21 @ 0445 MDT |
| **Comments /notes on tonight’s mission and this interpretation:*** Started with IR perimeter from 07/31/2021. The current wildfire daily perimeter in NIFC is not as current as the 7/31/21 IR perimeter.
* The last IR flight was on July 31th.
* Yesterday, it was reported, that the area received up to an inch of rain.
* The perimeter was very difficult to map on the west half of the fire. Mapping showed and increase of 341 perimeter acres. The majority of this growth was outside of the existing perimeter. There are several perimeter polygons that were mapped outside of the previous perimeter on the west side. There was not enough heat observed to confidently draw a line to connect all of the individual clumps of heat.
* There is also a large number of isolated heat sources that are outside of the mapped perimeter. This again is due ti the inability to draw a reliable perimeter to encompass them. It is presumed that over the course of the three days of no IR flights that the perimeter has extended as far as 1.5 miles to the northwest.
* The main area of intense heat is located on the extreme western portion of the fire in Crandall Creek. This area is north of Shields River. It is assumed that mile of so of area between the main fire and the large spot fire has burned.
* There is spot fire that is about one-mile due west of the main fire that is on the east side of Shield Creek Road.
* Majority of scattered heat is in the western half of the burn area.
* The center portion of the burn area has limited heat as evident by highly scattered isolated heat sources.
* The eastern quarter of the fire has a couple of small pockets of scattered heat near the perimeter.
* There is a higher concentration of isolated heat sources in the northeast portion of the burn area.
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