

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Highway 200 Complex (MT-LNF-005283) Includes: Reader (MT-KNF-000226) Deep Creek (MT-LNF-005302) Sheep Gap (MT-LNF-005283) Cub Creek Moose Peak (MT-KNF-000225) McCully (MT-NWS-704008) Reader 2 Miller Peak	IR Interpreter(s): Maximillian Wahlberg mwahlberg@fs.fed.us	Local Dispatch Phone: Missoula Dispatch (406-829-7070) & Kootenai Dispatch	Interpreted Size: 22,038 acres (total complex combined) Growth last period: 3,874 (all fires combined; individual fire accounting in comments below)
Flight Time: 0309 MDT Flight Date: 9/3/2017	Interpreter(s) location: Portland, OR Interpreter(s) Phone: 928-273-0779	GACC IR Liaison: Tim Stauffer GACC IR Liaison Phone: 406-529-6366	National Coordinator: Jan Johnson National Coord. Phone: 208-387-5900
Ordered By: Connel IMT2 Situation Unit (973-907-4694)	A Number: A-38	Aircraft/Scanner System: N144z / Phoenix	Pilots/Techs: N144Z Flight Crew Pilot: Don Pilot: Johnson Tech: Kaz
IRIN Comments on imagery: A total of 5 different strips were received, all are clear from clouds. The strip covering Deep Creek had fairly significant image shift / bad orthorectification for the western half of the deep creek fire area. Unfortunately the northern most strip covering the Moose Peak fire cuts off the heat on the eastern edge. While the amount of heat east of this strip boundary is not known, the in aircraft technician estimated the heat to extend east 5 seconds at most.		Weather at time of flight: Clear	Flight Objective: Map heat perimeter, intense heat, scattered heat, and isolated heat
Date and Time Imagery Received by Interpreter: 9/5/17 @ 0340 MDT		Type of media for final product: Shapefiles, PDF Map, KMZ, IR Daily Log	
Date and Time Products Delivered to Incident: 9/3/17 @ 0625 MDT		Digital files sent to: NIFC FTP: http://ftp.nifc.gov/incident_specific_data/n_rockies/2017_fire_s/2017_Hwy200_Complex/IR/20170905/	

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Comments /notes on tonight's mission and this interpretation:

This mission included multiple fires being managed under the Highway 200 Complex. Fire activity was less than the previous flight, however nearly all fires continued to grow in multiple directions and display large areas of intense heat.

Descriptions of individual fires are included below.

Be advised, areas where data does not exist are labeled "no data" and these areas may contain undetected heat.

Fire Name	8/5 IR Acres	Growth This Period
Deep Creek	4089	788
Unk 7	<1	0
Cub Creek	2687	440
Reader	106	6
Reader 2	46	0
Unk 1	12	0
Moose Peak	4993	814
Unk 5	3	0
Miller Peak	456	113
Unk 4	0	0
Unk 2	12	0
McCully	642	5
Unk 3	6	0
Unk 8	7	3
New 9	<1	0
Sheep Gap	8978	1705

Sheep Gap – northern perimeter growth was most prominent in section four where it now reaches, but did not cross River Road west on the south side of the Clark Fork River. This area displayed intense heat signatures. On the fire's eastern edge, an apparent burnout along road 18255 showed intense heat south to point 3043 at the junction with road 7581. In the southwestern portion of the fire, intense heat was mapped all the way down to the 398 trail and Dee Creek. Areas of perimeter growth occurred on nearly all sides of the fire along with intense heat.

Deep Creek – The Deep Creek fire was especially active on the southern fire's edge where multiple lobes of fire and intense heat were mapped. In the southeast of section 15 and southwest of section 14 the fire advanced 0.5 miles south. South west of Cougar Peak the fire is well established in Cougar Gulch below and west of the 403 road. In the southeast, the fire is now within 1/3 a mile of Graves Creek. Multiple spot fires were detected on the eastern edge of the fire **including one spot fire east of Irvs Creek 0.6 miles southwest of Vermillion Peak**. Fire advancement and intense heat was detected to the north as well, including multiple spot fires in front of the main perimeter. All mapped heat remains east of Deep Creek.

Cub Creek – Primary growth occurred to the north and east. Areas of growth showed intense heat. The large interior island west of Haines point was reduced in size, with the burnout of this unburned island showing intense heat. Multiple new spot fires were detected on the east side of the fire's edge northeast of Helwick Peak.

Moose Peak – Less active than last night, Moose peak still made gains in multiple directions, especially to the east where last night's spot fires north of the 7562 road have grown significantly. **Note: tonight's imagery did not cover all heat on the east side of the fire. Map products show where imagery was not available. Be advised that unmapped heat is very likely in this area of "no data".**

Reader – Limited growth was mapped, with one small pocket of intense heat located in the northeastern portion of the fire along the 2257 road.

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Miller Peak – Miller grew primarily to the southwest, where intense heat was mapped north of the 2207 road. The fire does not appear to have crossed Happy Gulch to the south or the Vermillion river to the east.

Reader 2 – no growth and only 6 isolated heat sources were detected.

McCully – the only perimeter growth was along the northern fire edge where unburned fuels west of the road appear to have been consumed. The northern edge of the fire showed intense heat. Last night's isolated heat source northeast of the main fire 1/10 mile west of Plum Creek Tmbr County Road once again showed a heat signature tonight.