

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Devils Knob Incident ID: OR-UPF-000450	IR Interpreter(s): Trisha Boll (t) Jennifer Frazer Interpreter Email: Trisha.boll@usda.gov	Local Dispatch Phone: Roseburg Interagency Fire Center (541)-957-3325	Interpreted Size: 5896 acres Growth last period: + 700 acres
Flight Date / Time: 8/11/2021 @ 2011 PDT	Interpreter(s) location: White Sulphur Springs, MT Interpreter(s) Phone: 406-212-7878	GACC IR Liaison: Jim Grace (PNW) GACC IR Liaison Phone: 541-771-4521	National Coordinator: Tom Mellin National Coord. Phone: 505-301-8167
Ordered By: Dale Putman 541-410-6821 Charles_putman@firenet.gov	A Number: A-58	Aircraft/Scanner System: N350SM / Tenax	Pilots/Techs: Tech: Rachel
IRIN Comments on imagery: Image quality varied, cloud cover in most passes. 1 pass for NE; 2 passes for SW; 1 pass for NW		Weather at time of flight: No clouds observed in imagery.	Flight Objective: IR heat perimeter and heat sources
Date /Time Imagery Received by Interpreter: 8/12/2021 2006 PDT		Type of media for final product: IRIN Daily Log, Shapefiles, KML, PDF Maps, Geodatabase Digital files sent to: https://ftp.wildfire.gov/incident_specific_data/pacific_nw/2021_Oregon/DevilsKnob/IR and uploaded to NIFS IR Polygon feature class Emailed to: 2021.devilsknob.situation@firenet.gov ;	
Date /Time products delivered 8/13/2021 0245 PDT			

Comments

Starting perimeters from NIFS features service, pulled at around @2100 PDT.

IR imagery in Scan Box "SW" had significant cloud cover. Some heat signature was still visible, but some was likely not observed; what was visible was mapped. Fires in "SW" scan box include: Dismal Panther, 444, 404, 443, 440, 408 Red Mountain, 406 Applegate Creek, 412 Little Applegate, 422 Wild Cat, 439 Railroad, and 337.

444 – significant cloud cover; interior of heat perimeter appears cool, with isolated heat points observed.

412 Little Applegate: significant cloud cover; scattered heat present in the interior.

422 Wild Cat: Significant cloud cover; scattered heat has localized to the southern and eastern portion of the heat polygon; there is a persistent isolated heat source on the southern edge of the heat perimeter.

495 The smaller heat perimeters to the east of the main heat perimeter have merged and expanded. There is a new 105-acre heat perimeter expanding approximately 0.7 miles southeast of the main perimeter toward Green Prairie. Heat perimeter expansion also observed on the northeast and southern perimeters.

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400 Big Hamlin: Expansion of heat perimeter and intense heat observed along the south-central and southern edges.

425 Smith Heat perimeter has expanded on the west, south and east flanks; most significantly on the southeast flank, approximately 0.7 miles southeast along the top of Smith Ridge. Intense heat is present in these increased heat perimeters. The interior continues to cool.

405 Mule – Heat perimeter and associated intense heat expansion on northwest edge. Within the interior there are still a few isolated heat points and an island of intense heat.

433 Three Devils– scattered heat throughout heat perimeter, more intense on the eastern edge. Modest growth in heat perimeter.

- Did not show Incidents 415 due to request from SITL on this shift period. These perimeters have not shown any heat since 20210809 and was thoroughly reviewed for heat before removing from map display.

Incident Name	Previous_Ac	Interpreted_Ac	Change_In_Ac
495-(Devils Knob Cpx)	2007	2280	273
400-Big Hamlin (Devils Knob Cpx)	1556	1747	191
405-Mule Creek (Devils Knob Cpx)	990	1022	32
425-Smith (Devils Knob Cpx)	763	966	202
422-Wild Cat (Devils Knob Cpx)	215	215	0
412-Little Applegate (Devils Knob Cpx)	135	135	0
495-(Devils Knob Cpx)	105	105	0
439-Railroad (Devils Knob Cpx)	74	76	1
444 (Devils Knob Cpx)	40	40	0
443 (Devils Knob Cpx)	2	2	0
420 (Devils Knob Cpx)	2	2	0
440 (Devils Knob Cpx)	2	2	0
435-Wombat (Devils Knob Cpx)	1	1	0
Dismal Panther (Devils Knob Cpx)	1	1	0
406-Applegate Creek (Devils Knob Cpx)	0	0	0
445 (Devils Knob Cpx)	0	0	0
428-Baldy Ridge (Devils Knob Cpx)	0	0	0
429-Tucker Divide (Devils Knob Cpx)	0	0	0
397-(Devils Knob Cpx)	0	0	0
411-Tucker (Devils Knob Cpx)	0	0	0
449 (Devils Knob Cpx)	0	0	0
418 (Devils Knob Cpx)	0	0	0
389-(Devils Knob Cpx)	0	0	0
421 (Devils Knob Cpx)	0	0	0
419-Diaper (Devils Knob Cpx)	0	0	0
436 (Devils Knob Cpx)	0	0	0
434 (Devils Knob Cpx)	0	0	0
417-Stampede (Devils Knob Cpx)	0	0	0
497 (Devils Knob Cpx)	0	0	0
337 (Devils Knob Cpx)	0	0	0
438 (Devils Knob Cpx)	0	0	0

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408-Red Mountain (Devils Knob Cpx)	0	0	0
409-Buzzard (Devils Knob Cpx)	0	0	0
404-(Devils Knob Cpx)	0	0	0
396-Burnt Creek (Devils Knob Cpx)	0	0	0
SUM	5896*	6596	700

* Beginning acreage of 5973 adjusted to 5896 to account for several minor heat perimeters omitted from yesterday's log. No perimeters were omitted from yesterday's IR maps.