

INFRARED INTERPRETER'S DAILY LOG

Incident Name: Cowlitz Complex WA-GPF-001297	IR Interpreter(s): Chad Horman chad.horman@usda.gov	Local Dispatch Phone: Colombia Cascade Communication Center 360-891-5140	Interpreted Size: Grassy Mountain – 28 Snagtooth – 310 Spencer Quartz – 191 Bear Creek - 32 Growth last period: Grassy Mountain – 0 Snagtooth – 2 Spencer Quartz – 3 Bear Creek - 0
Flight Time: 2235 PDT Flight Date: 09/14/2023	Interpreter(s) location: Enoch, UT Interpreter(s) Phone: 435-592-5175	GACC IR Liaison: Jim Grace GACC IR Liaison Phone: 541-771-4521	National Coordinator: Kathryn Sorenson National Coord. Phone: 406-499-2701
Ordered By: Mak Campbell 760-473-2079 mark_campbell@firenet.gov	A Number: Missing	Aircraft/Scanner System: N350FV/TK-9	Pilots/Techs: /Dan
IRIN Comments on imagery: Good color contrast made it easy to see the heat. Orthorectification was good		Weather at time of flight: Clear	Flight Objective: IR heat perimeter and heat source detection
Date and Time Imagery Received by Interpreter: 09/14/2023 @ 2323 PDT		Type of media for final product: GDB, Shapefiles, Topo and Ortho Maps, IR Log, KMZ	
Date and Time Products Delivered to Incident: Synced – 09/15/20023 @ 0141 PDT Products – 09/15/20230 @ 0235 PDT		Digital files sent to: https://ftp.wildfire.gov/incident_specific_data/pacific_nw/2023_Incidents_Washington/2023_CowlitzComplex_WA_GPF_001297/IR/20230915	

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

NOTE: This log is intended for internal incident communication only. Any unauthorized dissemination of this information or associated IR data without expressed consent of the incident management team is prohibited.

- Started the interpretation from the NIFS Event Poly of 9/14/2023 @ 1837 PDT.
- Four fires were had heat and were mapped: Grassy Mountain, Bear Creek, Snagtooth and Spencer Quartz.
- The other ten fire had no heat and were not mapped.
- Imagery was clear and no cloud cover on any of the imagery.
- Imagery file 2030914_2301MDT_Cowlitz_Color did not contain any incident polygons.
- Four potential heat sources were observed. In the polygon feature class NULL is entered in Incident Name column. These points are not included in any of the maps since the were not near any of the mapped fires.
- Potential heat source at Olallie Lake Campground; 46 17.3380N 121 37.1334W
- Potential heat source at Blue Lake Creek Campground; 46 17.3380N 121 37.1334W
- Potential heat source about 800 ft northeast of the northern edge of Fish Lake; 46 17.3380N 121 37.1334W
- Potential heat source about 300 ft south of highway 706 west of Nisqually and 3.2 miles north of Pothole Fire. There are residences nearby; 46 17.3380N 121 37.1334W

Grassy Mountain

- No change in perimeter acreage.
- No intense heat.
- Several small, scattered heat patches; about half are adjacent to perimeter.
- Over a dozen isolated heat sources, with three adjacent to perimeter.

Snagtooth

- Perimeter acreage increased by two, along the upper west flank.
- No intense heat.
- Eight scattered heat patches. All located in the upper west area of the burn area and four are adjacent to the perimeter.
- Isolated scattered heat throughout the area, about six are along the west perimeter.

Spencer Quartz

- Perimeter acreage in increased by three. Most along the upper west flank.
- Three patches of intense heat. The two largest are in the upper west flank were perimeter growth occurred. The third is in the southern tip. All three are adjacent to the perimeter.
- Four small patches of scattered heat, none are adjacent to perimeter.
- Scattered heat loosely scattered around the area.

Bear Creek

- No change in perimeter acreage.
- No intense heat.
- No scattered heat.
- Single isolated heat source.

Bertha Map

- No heat, clear imagery, not mapped

Carlton Ridge

- No heat, clear imagery, not mapped

Davis Creek

- No heat, clear imagery, not mapped

Davis Mountain

- No heat, clear imagery, not mapped

Jackpot Creek

- No heat, clear imagery, not mapped

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Mission

- No heat, clear imagery, not mapped

Pothole

- No heat, clear imagery, not mapped

Sanctuary Rock

- No heat, clear imagery, not mapped

South Fork

- No heat, clear imagery, not mapped

Yew

- No heat, clear imagery, not mapped