

Incident Status Summary (ICS-209)

Incident: **Mud Lick**

1. Incident Name: Mud Lick		2. Incident Number: ID-SCF-021130											
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: ICT2 Sam Hicks GBT5	5. Incident Management Organization: Type 2 Team	6. Incident Start Date/Time: Date: 07/08/2021 Time: 0821 MDT										
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 7906 Acres	8a. Percent (%) Contained or Completed: 0 % b. Total Percentage (%) of Perimeter that will be Contained or Completed: 60 %	9. Incident Type: Wildfire	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Complex										
		B. Incident Description: C. Cause: Lightning/Natural D. Fire Suppression Strategy:											
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Strategy</th> <th style="width: 50%;">Percent (%)</th> </tr> </thead> <tbody> <tr> <td>Monitor</td> <td></td> </tr> <tr> <td>Confine</td> <td style="text-align: center;">40</td> </tr> <tr> <td>Point Zone Protection</td> <td></td> </tr> <tr> <td>Full Suppression</td> <td style="text-align: center;">60</td> </tr> </tbody> </table>	Strategy	Percent (%)	Monitor		Confine	40	Point Zone Protection		Full Suppression	60	11. Report Time Period: From Date/Time: 07/15/2021 1800 MDT To Date/Time: 07/16/2021 1400 MDT
Strategy	Percent (%)												
Monitor													
Confine	40												
Point Zone Protection													
Full Suppression	60												
12. Prepared By: Print Name: Robbie Frisk Date/Time Prepared: 07/16/2021 1500 MDT		13. Approved By: Print Name: Sam Hicks Signature: .											
14. Date/Time Submitted: 07/16/2021 1805 MDT		15. Primary Location, Organization, or Agency Sent To: GBCC											
16. State: ID	17. County / Parish / Borough: Lemhi	18. City: Salmon											
19. Unit or Other:	20. Incident Jurisdiction: ID-SCF	21. Incident Location Ownership (if different than jurisdiction): ID-SCF											
22. Latitude/Longitude: Latitude: 45° 11' 0" Longitude: 114° 25' 14"	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Boise Township: 21N Range: 17E Section: 1 1/4 Sec: of 1/4 Sec:											
25. Short Location or Area Description (list all affected areas or a reference point): 23 miles west of Salmon, Idaho			26. UTM Coordinates: Zone: Easting: Northing:										
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): All GIS data and products are available at: https://ftp.nifc.gov/public/incident_specific_data/great_basin/2021_Incidents/2021/MudLick/													
28. Observed Fire Behavior or Significant Events for the Time Period Reported (describe fire behavior using accepted terminology. For non-fire incidents, describe significant events related to the materials or other causal agents): Moderate Flanking													

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**Group Torching
Short-range Spotting**

Narrative:
Moderate fire behavior along the upper third and ridgetops along the northern flank. Occasional isolated short duration runs upslope in draws along the west flank. Moderate fire behavior currently in draw bottoms with available fuels upslope. Two primary fingers on the southern perimeter continue to advance south followed by moderate fire behavior consuming available fuels between the fingers.

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):

**Timber (Litter and Understory)
Short Grass (1 foot)**

Narrative:
Predominately ponderosa pine intermixed with douglas fir on north slopes. Grass and brush dominate south slopes. Timber regeneration stands. ERC at 97th percentile. 1000 hr fuels at 90th percentile.

30. Damage Assessment Information (summarize damage and/or restriction of use or availability to residential or commercial property, natural resources, critical infrastructure and key resources, etc):

Blackbird Mine is a superfund cleanup site with critical water treatment facilities protecting the Panther Creek watershed from potential environmental damage and re-contamination. The associated but separate nearby cobalt mine is the only active cobalt mine in the U.S. Structure assessment continues to identify and triage residential areas. Other values at risk include TEPC bull trout and sage grouse, wilderness, and an abundance of culturally significant areas and artifacts.

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	48	0	0
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	2	0	0
H. Nonresidential Commercial Property	0	0	0
I. Other Minor Structures	0	0	0

31. Public Status Summary:
C. Indicate the Number of Civilians (Public) Below:

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0
E. With Injuries/Illness	0		0
F. Trapped/In Need of Rescue	0		0
G. Missing	0		0
H. Evacuated	0		0
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0

32. Responder Status Summary:
C. Indicate the Number of Responders Below:

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0
E. With Injuries/Illness	1	0	1
F. Trapped/In Need of Rescue	0		0
G. Missing	0		0
H. Evacuated	0		0
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0

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	Previous Report Total	A. # this Reporting Period	B. Total # to-date		Previous Report Total	A. # this Reporting Period	B. Total # to-date
L. Require Immunizations	0		0	L. Require Immunizations	0		0
M. In Quarantine	0		0	M. In Quarantine	0		0
N. Total # Civilians (Public) Affected:	0		0	N. Total # Responders Affected:	1	0	1

<p>33. Life, Safety, and Health Status/Threat Remarks: PREVIOUS: 32E. One minor non-injury accident. 32H. Disengagement and reassessment by fire resources previous to GBT5 mobilization.</p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): Red Flag Warning through the end of the day with a Haines of 6 and low RH. Isolated thunderstorms with gusty outflow winds. Unseasonably warm and very dry conditions through the weekend. A strong upper ridge of high pressure will then begin to build over the fire area.</p>	<p>34. Life, Safety, and Health Threat Management:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 90%;"></th> <th style="width: 10%;">Active?</th> </tr> </thead> <tbody> <tr><td>A. No Likely Threat</td><td></td></tr> <tr><td>B. Potential Future Threat</td><td style="text-align: center;">X</td></tr> <tr><td>C. Mass Notifications in Progress</td><td></td></tr> <tr><td>D. Mass Notifications Completed</td><td></td></tr> <tr><td>E. No Evacuation(s) Imminent</td><td></td></tr> <tr><td>F. Planning for Evacuation</td><td></td></tr> <tr><td>G. Planning for Shelter-in-Place</td><td></td></tr> <tr><td>H. Evacuation(s) in Progress</td><td></td></tr> <tr><td>I. Shelter-in-Place in Progress</td><td></td></tr> <tr><td>J. Repopulation in Progress</td><td></td></tr> <tr><td>K. Mass Immunization in Progress</td><td></td></tr> <tr><td>L. Mass Immunization Complete</td><td></td></tr> <tr><td>M. Quarantine in Progress</td><td></td></tr> <tr><td>N. Area Restriction in Effect</td><td></td></tr> <tr><td>O. Road Closure</td><td style="text-align: center;">X</td></tr> <tr><td>P. Trail Closure</td><td style="text-align: center;">X</td></tr> <tr><td>Q. Area Closure</td><td></td></tr> </tbody> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	X	C. Mass Notifications in Progress		D. Mass Notifications Completed		E. No Evacuation(s) Imminent		F. Planning for Evacuation		G. Planning for Shelter-in-Place		H. Evacuation(s) in Progress		I. Shelter-in-Place in Progress		J. Repopulation in Progress		K. Mass Immunization in Progress		L. Mass Immunization Complete		M. Quarantine in Progress		N. Area Restriction in Effect		O. Road Closure	X	P. Trail Closure	X	Q. Area Closure	
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36. Projected Incident Activity, Potential, Movement, Escalation, or Spread and influencing factors during the next operational period and in 12-, 24-, 48-, and 72-hour time frames:	
12 hours:	Multiple thunderstorms with gusty down draft winds will result in increased fire behavior with the chance of short and long distance spotting into extremely dry fuels. Fire on ridge tops along the north, south, and west flanks will be exposed to erratic winds. Any precipitation over the fire area will be isolated and minimal in amounts producing minimal influence on already extremely dry fuels.
24 hours:	A transition in weather from thunderstorm-dominated burn periods to a steep uptick in hot, dry conditions will again raise the fire danger with continuous dry fuels in steep, radiating drainages increasing the chances of slope reversal with the likelihood of resulting advanced uphill runs in heavy fuels.
48 hours:	Warming and drying continues in the fire area. Escalation of fire behavior is possible with multiple hot and dry burn periods between thunderstorm-associated weather conditions coupled with drought stricken fuels. The fire intensity of the previous Clear Creek Complex has resulted in heavy fuel loading that is highly receptive to a high probability of ignition when spotting is observed.

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72 hours:	<p>Yet another transition from hot, dry conditions creating atmospheric instability with continued deterioration of live fuel moistures. Low probability of dry fuel moisture recovery.</p> <p>Thunderstorms again return to the fire area creating uncertain fire behavior with the combination of heavy fuel loading, historically dry fuels, steep and rugged terrain, low relative humidity values, and gusty winds.</p>
Anticipated after 72 hours:	<p>the combination of heavy fuel loading, historically dry fuels, steep and rugged terrain, low relative humidity values, and gusty winds.</p>
<p>37. Strategic Objectives (define planned end-state for incident):</p> <p>Keep the fire:</p> <p>--north of Fourth of July Creek and Yellow Jacket Guard Station</p> <p>--south of the Salmon River</p> <p>--west of the Panther Creek Road and adjacent private land</p> <p>--east of Clear Creek Trail and Bighorn Crags</p>	
<p>38. Current Incident Threat Summary and Risk Information in 12-, 24-, 48-, and 72-hour timeframes and beyond. Summarize primary incident threats to life, property, communities and community stability, residences, health care facilities, other critical infrastructure and key resources, commercial facilities, natural and environmental resources, cultural resources, and continuity of operations and/or business. Identify corresponding incident-related potential economic or cascading impacts:</p>	
<p>The southeast flank of the fire continues to threaten Blackbird mine superfund site and the U.S's only cobalt mine are both in direct line with the fire's advancement. The threat to Panther Creek residential areas, public and private infrastructure, and grazing allotments continues to elevate as the fire spreads to the east. Uncontrolled fire edge along the north and west flanks continues to extend further towards the Clear Creek drainage potentially compromising public use.</p>	
12 hours:	<p>Increased threat to the south-southeast high value assets of Blackbird mine superfund site and nearby sole cobalt mine in the U.S. threatening socioeconomic stability, power infrastructure, water quality and watershed health, and inventoried cultural resources. Increased fire behavior along the eastern flank of the fire. Continued fire spread towards Panther Creek threatens private land, residences, outbuildings, and sensitive plant and animal species. Multiple trails have been closed due to concerns for human health and safety.</p>
24 hours:	<p>Southeast movement will impact both the Blackbird mine superfund site and Idaho Cobalt mine due to the close proximity of the mine to the fire's edge. High fire behavior would be detrimental to mine infrastructure and extensive water reclamation infrastructure resulting in suspension of mine operations and watershed instability and potential re-contamination. Fire spread to the east will begin impacting residential areas and access along Panther Creek. Spread to the north will begin to impact the Clear Creek drainage, the location of a high use recreation area. Spread further west will begin to impact high use recreation areas of the Bighorn Crags and Middle Fork of the Salmon River.</p>
48 hours:	<p>Fire will have reached Blackbird and Idaho Cobalt mines. High potential for negative impacts to these locations. Fire spread to the east will have begun to impact residential areas within Panther Creek. North and west fire progression will potentially restrict long term public use of the area and associated socioeconomic stability to the local community of Salmon. Further fire advancement to the north or west will also impact the socioeconomics associated with the Middle Fork of the Salmon River, a high value whitewater recreation destination providing economic stability to many surrounding communities.</p>
72 hours:	<p>If increased fire behavior continues in South Fork Big Deer Creek then the threat remains for negative impacts to Blackbird mine operations and water treatment facilities and Cobalt mine. Major power lines that support Blackbird Mine, Idaho Cobalt Mine, and area residents will halt operations, potentially impact human health and safety, result in an extensive and complex repair operation. Any fire progression to the east will negatively impact residential areas within</p>

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	<p>the Panther Creek corridor, public infrastructure, and mine infrastructure. Threat remains to TEPC bull trout and sage grouse, wilderness, and an abundance of culturally significant areas and artifacts.</p>
Anticipated after 72 hours:	<p>Cumulative, cascading impacts to county, state, and federal lands that contribute to the national mining industry, human health and safety, and economic stability to the region.</p>
<p>39. Critical Resource Needs in 12-, 24-, 48-, and 72-hour timeframes and beyond to meet critical incident objectives. List resource category, kind, and/or type, and amount needed, in priority order:</p>	
12 hours:	<p>4 HECM 1 ASGS 1 AOBD 1 HMGB 4 REAF 1 COML 1 SOPL 1 ORDM 1 COMT 3 HEQB</p>
24 hours:	<p>4 HECM 1 ASGS 1 AOBD 1 HMGB 4 REAF 1 COML 1 SOPL 1 ORDM 1 COMT 3 HEQB</p>
48 hours:	<p>4 HECM 1 ASGS 1 AOBD 1 HMGB 4 REAF 1 COML 1 SOPL 1 ORDM 1 COMT 3 HEQB</p>
72 hours:	<p>4 HECM 1 ASGS 1 AOBD 1 HMGB 4 REAF 1 COML 1 SOPL 1 ORDM 1 COMT 3 HEQB</p>
Anticipated after 72 hours:	<p>4 HECM 1 ASGS 1 AOBD</p>

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1 HMGB 4 REAF 1 COML 1 SOPL 1 ORDM 1 COMT 3 HEQB

40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:
 1) critical resource needs identified above,
 2) the Incident Action Plan and management objectives and targets,
 3) anticipated results.

Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.

In alignment with the Salmon Challis Forest Plan and WFDSS direction for the Mud Lick Fire, implement a modified suppression strategy to meet incident objectives. Current Critical Resource Needs are necessary to meet incident objectives and fulfill the Delegation of Authority.

41. Planned Actions for Next Operational Period:

Resources will continue to perform suppression activity along the north, east, and south flanks when conditions allow and fire behavior dictates. A heavy equipment task force continues preparatory operations along Panther Creek Road extending to the east of the fire to protect homes within Panther Creek and will continue for the next several shifts. Structure assessment will advance further along Panther Creek to include Yellowjacket Guard Station and the nearby area on the southern flank of the fire. Water delivery infrastructure installation will expand to the south extending further south along the Panther Creek corridor. Fire resources are coordinating with Blackbird Mine on pre-planning and protection responsibilities. Air resources are being utilized for local initial attack support. Dozers will begin creating fire line from Black Mountain to the Blackbird Mine area.

42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):

43. Anticipated Incident Containment or Completion Date: **08/31/2021**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$3,000,000.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):

49. Resources (summarize resources by category, kind, and/or type; show # of resources on top ½ of box, show # of personnel associated with resource on bottom ½ of box):

48. Agency or Org		CR1	CR2	CR2IA	CRC	HEL1	HEL2	HEL3	ENG3	ENG4	ENG5	ENG6	FWRE	WTDS	50. Ovhd	51. Tot Pers
		BIA	Rsrc	0	0	0	2	0	0	0	0	0	0	0	0	0
	Pers	0	0	0	20	0	0	0	0	0	0	0	0	0	2	22
BLM	Rsrc	0	0	0	0	0	0	0	0	0	0	1	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	4	0	0	38	42
FS	Rsrc	3	0	2	0	3	1	1	0	1	0	0	1	0		
	Pers	63	0	42	0	3	4	4	0	8	0	0	1	0	60	185
FWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		

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FWS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
NPS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
NWS	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	Rsrc	0	3	2	0	0	0	1	1	3	2	3	0	4		
PRI	Pers	0	59	40	0	0	0	2	4	10	7	10	0	4	0	136
	Rsrc	1	0	0	0	0	0	0	2	1	0	1	0	1		
ST	Pers	20	0	0	0	0	0	0	7	4	0	2	0	1	16	50
	Rsrc	1	0	0	0	0	0	0	2	1	0	1	0	1		
52. Total Resources		4	3	4	2	3	1	2	3	5	2	5	1	5		440

53. Additional Cooperating and Assisting Organizations Not Listed Above: