

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>									
3. Report Version (check one box): <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Update <input type="checkbox"/> Final	4. Incident Commander(s) & Agency or Organization: <b>Karson Geissinger Ryan Sommers</b>	5. Incident Management Organization: <b>Type 3 IC</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>								
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>6600 Acres</b>	8a. Percent (%) Contained or Completed: <b>0 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Lightning/Natural</b> D. Fire Suppression Strategy:	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Complex	11. Report Time Period: From Date/Time: <b>07/16/2021 1400 PDT</b> To Date/Time: <b>07/17/2021 0600 PDT</b>							
	8b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>				<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><b>Monitor</b></td> <td></td> </tr> <tr> <td><b>Confine</b></td> <td></td> </tr> <tr> <td><b>Point Zone Protection</b></td> <td></td> </tr> <tr> <td><b>Full Suppression</b></td> <td style="text-align: center;"><b>100</b></td> </tr> </tbody> </table>	Strategy	Percent (%)	<b>Monitor</b>		<b>Confine</b>	
Strategy	Percent (%)										
<b>Monitor</b>											
<b>Confine</b>											
<b>Point Zone Protection</b>											
<b>Full Suppression</b>	<b>100</b>										
12. Prepared By: Print Name: <b>Patrick K Howard</b> Date/Time Prepared: <b>07/17/2021 0815 PDT</b>		13. Approved By: Print Name: <b>Shawn Mceders</b> Signature:									
14. Date/Time Submitted: <b>07/17/2021 0823 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>UT-GBCC</b>									
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>									
19. Unit or Other:	20. Incident Jurisdiction: <b>NV-HTF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>									
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township:    Range:    Section: 1/4 Sec: of 1/4 Sec:									
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville NV.</b>			26. UTM Coordinates: Zone: Easting: Northing:								
27. Note any geospatial data available (indicate data format, content, and collection time information and labels):											
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):  <b>Extreme Wind Driven Runs Group Torching Crowning</b>											

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Narrative:  
**Extreme fire behavior with wind driven runs in all directions.**

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

**Timber (Grass and Understory)  
 Brush (2 feet)**

Narrative:

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):	A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
	E. Single Residences	50	0	3
	F. Multiple Residences	0	0	0
	G. Mixed Commercial / Residential	5	0	0
	H. Nonresidential Commercial Property	12	0	0
	I. Other Minor Structures	10	0	0

31. Public Status Summary: <i>C. Indicate the Number of Civilians (Public) Below:</i>				32. Responder Status Summary: <i>C. Indicate the Number of Responders Below:</i>			
	Previous Report Total	A. # this Reporting Period	B. Total # to-date		Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0	D. Fatalities	0		0
E. With Injuries/Illness	0		0	E. With Injuries/Illness	0		0
F. Trapped/In Need of Rescue	0		0	F. Trapped/In Need of Rescue	0		0
G. Missing	0		0	G. Missing	0		0
H. Evacuated	0	200	200	H. Evacuated	0		0
I. Sheltering in Place	0		0	I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0	J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0	K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0	L. Require Immunizations	0		0
M. In Quarantine	0		0	M. In Quarantine	0		0
<b>N. Total # Civilians (Public) Affected:</b>	<b>0</b>	<b>200</b>	<b>200</b>	<b>N. Total # Responders Affected:</b>	<b>0</b>		<b>0</b>

33. Life, Safety, and Health Status/Threat Remarks: <b>Primary focus on public and fire fighter safety with extreme fire behavior.</b>	34. Life, Safety, and Health Threat Management:	
		Active?
35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): <b>Fire weather watch for dry thunder storms, low RH and high Haines index.</b>	A. No Likely Threat	
	B. Potential Future Threat	X
	C. Mass Notifications in Progress	X
	D. Mass Notifications Completed	

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	Active?
E. No Evacuation(s) Imminent	
F. Planning for Evacuation	<b>X</b>
G. Planning for Shelter-in-Place	<b>X</b>
H. Evacuation(s) in Progress	<b>X</b>
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	<b>X</b>
O. Road Closure	<b>X</b>
P. Trail Closure	<b>X</b>
Q. Area Closure	<b>X</b>

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: **Continue extreme fire behavior with group torching. Winds, terrain, fuels contributing to future fire growth.**

24 hours: **Continue extreme fire behavior with group torching. Winds, terrain, fuels contributing to future fire growth.**

48 hours: **Continue extreme fire behavior with group torching. Winds, terrain, fuels contributing to future fire growth.**

72 hours: **Continue extreme fire behavior with group torching. Winds, terrain, fuels contributing to future fire growth.**

Anticipated after 72 hours:

37. Strategic Objectives (define planned end-state for incident):  
**Point protection for values at risk.**

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:

12 hours: **Town of Markleeville, Grover Hot Spring, East Fork resort, Markleeville Village. Critical water shed and municipal water source, recreationally areas.**

24 hours: **Town of Markleeville, Grover Hot Spring, East Fork resort, Markleeville Village. Critical water shed and municipal water source, recreationally areas.**

48 hours: **Town of Markleeville, Grover Hot Spring, East Fork resort, Markleeville Village. Critical water shed and municipal water source, recreationally areas.**

72 hours: **Town of Markleeville, Grover Hot Spring, East Fork resort, Markleeville Village. Critical water shed and municipal water source, recreationally areas.**

Anticipated after 72 hours:

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:

12 hours: **Air Resources, Crews, Engines**

24 hours: **Air Resources, Crews, Engines**



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48 hours: <b>Air Resources, Crews, Engines</b>										
72 hours: <b>Air Resources, Crews, Engines</b>										
Anticipated after 72 hours:										
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.										
41. Planned Actions for Next Operational Period: <b>Point protection for values at risk. Great Basin Type 2 Team in brief 1800.</b>										
42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):										
43. Anticipated Incident Containment or Completion Date: <b>07/31/2021</b>										
44. Projected Significant Resource Demobilization Start Date:										
45. Estimated Incident Costs to Date: <b>\$400,000.00</b>										
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):										
<b>48. Agency or Org</b>		CR1	CR2	CR2IA	HEL2	ENG3	DOZR	<b>50. Ovhd</b>	<b>51. Tot Pers</b>	
<b>BLM</b>	Rsrc	0	0	0	0	3	0			
	Pers	0	0	0	0	14	0	3	17	
<b>C&amp;L</b>	Rsrc	0	1	1	0	6	2			
	Pers	0	20	21	0	18	4	8	71	
<b>CA-CDF</b>	Rsrc	4	0	4	0	4	1			
	Pers	80	0	80	0	60	2	17	239	
<b>FS</b>	Rsrc	1	0	0	0	4	1			
	Pers	21	0	0	0	12	3	12	48	
<b>NVD</b>	Rsrc	0	0	0	2	0	0			
	Pers	0	0	0	20	0	0	0	20	
<b>52. Total Resources</b>		5	1	5	2	17	4		395	
53. Additional Cooperating and Assisting Organizations Not Listed Above:										

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3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Ron Bollier</b>	5. Incident Management Organization: <b>Type 2 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>23078 Acres</b>	8a. Percent (%) Contained or Completed: <b>0 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex
	b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>		
12. Prepared By: Print Name: <b>Alexis Martin, SITL (t)</b> Date/Time Prepared: <b>07/18/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Craig Glazier, Deputy ICT2</b> Signature:	
14. Date/Time Submitted: <b>07/18/2021 1743 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>	
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>	
19. Unit or Other:	20. Incident Jurisdiction: <b>NV-HTF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>	
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township:    Range:    Section: 1/4 Sec: of 1/4 Sec:	
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville NV.</b>			26. UTM Coordinates: Zone:    Easting: Northing:
27. Note any geospatial data available (indicate data format, content, and collection time information and labels):			
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):  <b>Extreme Running Crowning Short-range Spotting</b>			



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Narrative:

**Extreme fire behavior in the form of crowning, spotting and surface runs along active perimeter of the fire. Fire is burning in mixed conifer, heavy mountain brush/grass, sage and juniper.**

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

**Timber (Grass and Understory)  
Brush (2 feet)  
Short Grass (1 foot)**

Narrative:

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):

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	200	0	10
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	5	0	0
H. Nonresidential Commercial Property	24	0	0
I. Other Minor Structures	100	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	300	0	300
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0
M. In Quarantine	0		0
<b>N. Total # Civilians (Public) Affected:</b>	<b>300</b>	<b>0</b>	<b>300</b>

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
L. Require Immunizations	0		0
M. In Quarantine	0		0
<b>N. Total # Responders Affected:</b>	<b>1</b>	<b>0</b>	<b>1</b>

33. Life, Safety, and Health Status/Threat Remarks:

**Primary focus on public and firefighter safety.**

**Hwy. 88 & 89 remain closed in the fire area to all traffic except incident personnel.**

**Weather pattern is changing with associated Red Flag Warning,**

34. Life, Safety, and Health Threat Management:

	Active?
A. No Likely Threat	
B. Potential Future Threat	<b>X</b>
C. Mass Notifications in Progress	

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<p><b>winds will increase with the weather front approaching, leading to the likelihood for increased extreme fire behavior conditions.</b></p> <p><b>Uncontrolled fire with extreme fire behavior is still a threat to all surrounding communities, public and firefighters.</b></p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):  <b>Red Flag Warning in effect through 11AM Monday for lightning on dry fuels.</b></p> <p><b>Today's weather was heavy smoke with light NW winds 5-10 mph and high temperature near 80 degrees.</b></p> <p><b>Tonight--Isolated showers and thunderstorms in the evening and overnight. Min Temp near 50 degrees. Max humidity around 60%. LAL 2. Chance of wetting rains 15%.</b></p> <p><b>Monday--Numerous showers and thunderstorms through the day. High Temps 72-82. Min RH 20-30%. SW 9-14 mph with gusts to 25 mph in the afternoon. LAL 4. Chance of wetting rain 40%.</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">Active?</th> </tr> </thead> <tbody> <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 style="text-align: center;">X</td></tr> <tr><td>G. Planning for Shelter-in-Place</td><td style="text-align: center;">X</td></tr> <tr><td>H. Evacuation(s) in Progress</td><td style="text-align: center;">X</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?	D. Mass Notifications Completed		E. No Evacuation(s) Imminent		F. Planning for Evacuation	X	G. Planning for Shelter-in-Place	X	H. Evacuation(s) in Progress	X	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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P. Trail Closure	X																														
Q. Area Closure																															

<p>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:</p>	
12 hours:	<p><b>Extreme fire behavior will continue into the evening under Red Flag Warning conditions for wet/dry thunderstorms and very dry fuels. Thunderstorm winds could cause rapid fire spread if occurring in areas of active burning. Rainfall could moderate fire behavior where fuels are wetted.</b></p>
24 hours:	<p><b>Fire is anticipated to continue to be extreme to very active despite cooling temperature, higher humidity, and possible rain showers. Fuels are critically dry and fire indexes at record levels.</b></p>
48 hours:	<p><b>Expect similar or more moderate fire activity in the 48-hour period as the 24-hour period as temperatures cool higher humidity more probable rain showers. Fire growth is expected to continue because of dry fuels.</b></p>
72 hours:	<p><b>Expect fire activity in the 72-hour period to return to very active to extreme with hot, dry and windy conditions returning to the fire area. Fire growth is likely on all fire flanks where active burning is present.</b></p>
Anticipated after 72 hours:	<p><b>Fire potential will continue to approach extreme with predicted weather into the 96-hour period. Fire spread to the northeast is anticipated.</b></p>

<p>37. Strategic Objectives (define planned end-state for incident):</p> <p><b>Firefighter and public safety is the highest priority. Point protection and perimeter control are being implemented to minimize damage to infrastructure values at risk. Utilize full perimeter control to limit fire spread.</b></p>
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<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>	
12 hours:	<p><b>Towns of Markleeville, Grover Hot Spring, East Fork resort, Markleeville Village, Sierra Pines, and Woodfords are imminently threatened with structure protection currently being implemented in all these location. Numerous infrastructure in Diamond and Dutch Valley are</b></p>



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	<b>threatened and direct perimeter control is currently being implemented to stop fire spread in this area. Washoe Indian Colony is also threatened and fire is within a 1/4 mile of the area. Also impacted are the Indian Creek Recreation Lands.</b>
24 hours:	<b>Communities of Paynesville, and Mesa, critical watershed and municipal water sources, and Grover Hot Springs.</b>
48 hours:	<b>Communities of Paynesville, and Mesa, critical watershed and municipal water sources. Hawkins Peak communication site.</b>
72 hours:	<b>Charity Valley impacting cattle permittees, infrastructure in Carson Canyon and private in-holdings adjacent to fire area.</b>
Anticipated after 72 hours:	<b>Charity Valley impacting cattle permittees, infrastructure in Carson Canyon and private in-holdings adjacent to fire area.</b>
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:	
12 hours:	<b>Air Attack and Platform, 2 Helicopter Coordinators, 4 Line Safety Officers, Type 1 and Type 2 IA Handcrews, T6, T4, T3 Engines. At this time, the specific number of handcrew and engine resources needed is still being assessed, as the fire has actively grown since the T2 team has arrived.</b>
	<b>Helicopters ordered and en-route to incident will be critical rotor wing needs for the incident.</b>
24 hours:	<b>Air Attack and Platform, 2 Helicopter Coordinators, 4 Line Safety Officers, Type 1 and Type 2 IA Handcrews, T6, T4, T3 Engines.</b>
48 hours:	<b>Air Attack and Platform, 2 Helicopter Coordinators, 4 Line Safety Officers, Type 1 and Type 2 IA Handcrews, T6, T4, T3 Engines.</b>
72 hours:	<b>Air Attack and Platform, 2 Helicopter Coordinators, 4 Line Safety Officers, Type 1 and Type 2 IA Handcrews, T6, T4, T3 Engines.</b>
Anticipated after 72 hours:	<b>Air Attack and Platform, 2 Helicopter Coordinators, 4 Line Safety Officers, Type 1 and Type 2 IA Handcrews, T6, T4, T3 Engines.</b>
40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to: <ol style="list-style-type: none"> <li>1) critical resource needs identified above,</li> <li>2) the Incident Action Plan and management objectives and targets,</li> <li>3) anticipated results.</li> </ol> Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts. <b>Extreme fire behavior makes direct containment of perimeter very difficult. Loss of loaned cooperater resources on 7/20/21 and 7/21/21 back to home units will severely limit our ability to make progress towards containment of fire unless critical resource needs are filled.</b>	
41. Planned Actions for Next Operational Period: <b>Continue structure protection efforts at all areas currently being impacted by fire and begin securing established line around Markleeville by mopping up and improving line. Continue line construction along northwest flank in DIV K, and DIV A to limit fire spread to the north towards Highway 88 and Carson Canyon. Extend containment lines in DIV O. Staff DIV T as resources become available and begin line construction at Highway 89 progressing to the southwest.</b>	
42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):	
43. Anticipated Incident Containment or Completion Date: <b>07/31/2021</b>	
44. Projected Significant Resource Demobilization Start Date:	



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45. Estimated Incident Costs to Date: <b>\$879,292.00</b>													
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 1/2 of box, show # of personnel associated with resource on bottom 1/2 of box):													
48. Agency or Org		CR1	CR2	CR2IA	HEL1	HEL2	HEL3	ENG1	ENG3	DOZR	WTDS	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	0	0	1	0	0	0	0	0	0	0		
	Pers	0	0	18	0	0	0	0	0	0	0	0	18
<b>BLM</b>	Rsrc	0	0	0	0	0	2	0	0	0	0		
	Pers	0	0	0	0	0	16	0	0	0	0	18	34
<b>FS</b>	Rsrc	1	0	0	0	0	0	0	5	1	0		
	Pers	21	0	0	0	0	0	0	20	3	0	22	66
<b>FWS</b>	Rsrc	0	0	0	0	2	0	0	0	0	0		
	Pers	0	0	0	0	13	0	0	0	0	0	1	14
<b>NPS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	2	2
<b>NWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	1	1
<b>PRI</b>	Rsrc	0	0	1	1	0	0	0	1	0	3		
	Pers	0	0	20	2	0	0	0	3	0	16	0	41
<b>ST</b>	Rsrc	12	2	1	0	1	0	5	51	0	0		
	Pers	240	40	20	0	8	0	20	255	0	0	37	620
<b>52. Total Resources</b>		<b>13</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>57</b>	<b>1</b>	<b>3</b>		<b>796</b>
53. Additional Cooperating and Assisting Organizations Not Listed Above:													

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>										
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Bill Hahnenberg, Deputy IC</b>	5. Incident Management Organization: <b>Type 1 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>									
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>39045 Acres</b>	8a. Percent (%) Contained or Completed: <b>0 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:		10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex	11. Report Time Period: From Date/Time: <b>07/18/2021 1800 PDT</b> To Date/Time: <b>07/19/2021 1730 PDT</b>							
	8b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>					<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><b>Monitor</b></td> <td></td> </tr> <tr> <td><b>Confine</b></td> <td></td> </tr> <tr> <td><b>Point Zone Protection</b></td> <td></td> </tr> <tr> <td><b>Full Suppression</b></td> <td style="text-align: center;"><b>100</b></td> </tr> </tbody> </table>		Strategy	Percent (%)	<b>Monitor</b>		<b>Confine</b>
Strategy	Percent (%)											
<b>Monitor</b>												
<b>Confine</b>												
<b>Point Zone Protection</b>												
<b>Full Suppression</b>	<b>100</b>											
12. Prepared By: Print Name: <b>Nate Williamson</b> Date/Time Prepared: <b>07/20/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Dan Dallas, Bill Hahnenberg</b> Signature:										
14. Date/Time Submitted: <b>07/20/2021 1756 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>										
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>		18. City: <b>Markleeville</b>									
19. Unit or Other:	20. Incident Jurisdiction:	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>										
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>		23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:		24. Legal Description: Principal Meridian: Township:    Range:    Section: 1/4 Sec: of 1/4 Sec:								
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville, NV</b>				26. UTM Coordinates: Zone:    Easting: Northing:								
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack</a></b>												
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):  <b>Extreme Crowning Running</b>												



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

**Short-range Spotting**  
 Narrative:  
**Extreme fire behavior in the form of crowning, spotting and surface runs along active perimeter of the fire. Fire is burning in mixed conifer, heavy mountain brush/grass, sage and juniper.**

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):  
**Timber (Grass and Understory)**  
**Brush (2 feet)**  
**Short Grass (1 foot)**  
 Narrative:

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): <b>200 additional residences and 35 additional commercial properties are now threatened in Woodfords and Mesa Vista.</b>	A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
	E. Single Residences	<b>400</b>	<b>0</b>	<b>10</b>
	F. Multiple Residences	<b>0</b>	<b>0</b>	<b>0</b>
	G. Mixed Commercial / Residential	<b>5</b>	<b>0</b>	<b>0</b>
	H. Nonresidential Commercial Property	<b>59</b>	<b>0</b>	<b>0</b>
	I. Other Minor Structures	<b>100</b>	<b>0</b>	<b>0</b>

31. Public Status Summary: <i>C. Indicate the Number of Civilians (Public) Below:</i>				32. Responder Status Summary: <i>C. Indicate the Number of Responders Below:</i>			
	Previous Report Total	A. # this Reporting Period	B. Total # to-date		Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0	D. Fatalities	0		0
E. With Injuries/Illness	0		0	E. With Injuries/Illness	1	0	1
F. Trapped/In Need of Rescue	0		0	F. Trapped/In Need of Rescue	0		0
G. Missing	0		0	G. Missing	0		0
H. Evacuated	600	200	800	H. Evacuated	0		0
I. Sheltering in Place	0		0	I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0	J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0	K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0	L. Require Immunizations	0		0
M. In Quarantine	0		0	M. In Quarantine	0		0
<b>N. Total # Civilians (Public) Affected:</b>	<b>600</b>	<b>200</b>	<b>800</b>	<b>N. Total # Responders Affected:</b>	<b>1</b>	<b>0</b>	<b>1</b>

33. Life, Safety, and Health Status/Threat Remarks: <b>An unknown number of civilians are seeking temporary shelter in hotels.</b>  <b>An Air Resource Advisor is monitoring air quality impacts associated with the incident.</b>	34. Life, Safety, and Health Threat Management: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">Active?</td> </tr> <tr> <td>A. No Likely Threat</td> <td></td> </tr> <tr> <td>B. Potential Future Threat</td> <td style="text-align: center;"><b>X</b></td> </tr> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	<b>X</b>
	Active?						
A. No Likely Threat							
B. Potential Future Threat	<b>X</b>						



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<p><b>Primary focus on public and firefighter safety.</b></p> <p><b>Hwy 88 &amp; 89 remain closed in the fire area to all traffic except incident personnel.</b></p> <p><b>Dry fuels, warm temperatures, and low humidities are contributing to extreme fire behavior conditions.</b></p> <p><b>Uncontrolled fire with extreme fire behavior continues to be threat to surrounding communities, public, and firefighters.</b></p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):  <b>Today's weather was mostly sunny. High Temps 75-85. Min RH 15-25%. SW 9-14 mph with gusts to 25 mph in the afternoon.</b>  <b>HAINES 5</b></p> <p><b>Tonight: Clear with smoke. Min Temp 50-60. Max humidity around 45%.</b></p> <p><b>Wednesday: Mostly sunny. High Temps 77-87. Min RH 10-20%. SW 9-14 mph with gusts to 25 mph in the afternoon.</b></p>		Active?
	C. Mass Notifications in Progress	<b>X</b>
	D. Mass Notifications Completed	
	E. No Evacuation(s) Imminent	
	F. Planning for Evacuation	
	G. Planning for Shelter-in-Place	
	H. Evacuation(s) in Progress	<b>X</b>
	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	<b>X</b>	
P. Trail Closure	<b>X</b>	
Q. Area Closure		

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:	<b>Extreme fire behavior will continue into the evening with lower humidity recovery and very dry fuels. Thunderstorm winds could cause rapid fire spread if occurring in areas of active burning. Rainfall could moderate fire behavior where fuels are wetted.</b>
24 hours:	<b>Fire is anticipated to continue to be extreme to very active as warmer and dry weather conditions return. Fuels are critically dry and fire indexes at record levels. Fire spread to the northeast is anticipated.</b>
48 hours:	<b>Expect similar fire activity in the 48-hour period as the 24-hour period as temperatures trend warmer with lower humidity. Fire growth is expected to continue because of dry fuels.</b>
72 hours:	<b>Expect fire activity in the 72-hour period to remain extreme with hot, dry and windy conditions persisting in the fire area. Fire growth is likely on all fire flanks where active burning is present.</b>
Anticipated after 72 hours:	<b>Fire potential will continue to be extreme with predicted weather into the 96-hour period</b>

37. Strategic Objectives (define planned end-state for incident):	
<b>1) Provide for firefighter and public safety by implementing a course of action that achieves incident objectives with the least firefighter exposure necessary, mitigates any public safety issues, and is based on sound risk management principles.</b>	
<b>2) Minimize fire spread North towards the communities of the Woodfords, and the Washoe Indian Colony; South of CA State Highway 88 and Northwest of CA State Highway 4.</b>	
<b>3) Reduce the threat to the town of Markleeville and private property. Reduce the potential for high severity fire effects on watershed, wildlife, fisheries, and cultural resources on National Forest and Bureau of Land Management administered public lands.</b>	

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	
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## Incident Status Summary (ICS-209)

Incident: **Tamarack**

economic or cascading impacts:	
12 hours:	<b>Markleeville, Grover Hot Spring, East Fork Resort, Sierra Pines, Mesa Vista and Woodfords are imminently threatened with structure protection currently being implemented in all these location. Numerous infrastructure in Diamond and Dutch Valley are threatened and direct perimeter control is currently being implemented to stop fire spread in this area. Washoe Indian Colony is also threatened and Indian Creek Recreation Lands have been impacted by fire.</b>
24 hours:	<b>Threatened infrastructure includes communities of Paynesville, and Mesa Vista, critical watersheds and municipal water sources, and Grover Hot Springs. Also, infrastructure in Carson Canyon and private inholdings adjacent to the fire area.</b>
48 hours:	<b>Threatened infrastructure includes communities of Paynesville, and Mesa, critical watershed and municipal water sources and Hawkins Peak communication site. Also, infrastructure in Carson Canyon and private in-holdings adjacent to fire area, the Leviathan Mine, Highway 395 corridor including multiple subdivision and other private residence along corridor.</b>
72 hours:	<b>Charity Valley threatened impacting cattle permittees. Also Leviathan Mine, Highway 395 corridor including multiple subdivision and other private residence along corridor., and Blue Lakes Recreational Area (has been evacuated). Carson Valley including Gardnerville Rancho.</b>
Anticipated after 72 hours:	<b>Highway 88 corridor infrastructure, campgrounds and private properties to Pickets Junction. Charity Valley impacting cattle permittees, infrastructure in Carson Canyon and private in-holdings adjacent to fire area. Carson Valley including Gardnerville Rancho.</b>
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:	
12 hours:	<b>1 UASP with 2 operators (5 operational periods), 1 HECO, 2 DIVS, 4 Line Safety Officers, 3 TFLD, 2 HEQB 4 Type 1, 4 Type 2 IA Handcrews, 2 T1/2 Wildland Fire Modules. T6, T4, T3 Engines. At this time, the specific number of engine resources needed is still being assessed.</b>
24 hours:	<b>1 UASP with 2 operators (5 operational periods), 1 HECO, 2 DIVS, 4 Line Safety Officers, 3 TFLD, 2 HEQB 4 Type 1, 4 Type 2 IA Handcrews, 2 T1/2 Wildland Fire Modules. T6, T4, T3 Engines. At this time, the specific number of engine resources needed is still being assessed.</b>
48 hours:	<b>1 UASP with 2 operators (5 operational periods), 1 HECO, 2 DIVS, 4 Line Safety Officers, 3 TFLD, 2 HEQB 4 Type 1, 4 Type 2 IA Handcrews, 2 T1/2 Wildland Fire Modules. T6, T4, T3 Engines. At this time, the specific number of engine resources needed is still being assessed.</b>
72 hours:	<b>1 UASP with 2 operators (5 operational periods), 1 HECO, 2 DIVS, 4 Line Safety Officers, 3 TFLD, 2 HEQB 4 Type 1, 4 Type 2 IA Handcrews, 2 T1/2 Wildland Fire Modules. T6, T4, T3 Engines. At this time, the specific number of engine resources needed is still being assessed.</b>
Anticipated after 72 hours:	<b>1 UASP with 2 operators (5 operational periods), 1 HECO, 2 DIVS, 4 Line Safety Officers, 3 TFLD, 2 HEQB 4 Type 1, 4 Type 2 IA Handcrews, 2 T1/2 Wildland Fire Modules. T6, T4, T3 Engines. At this time, the specific number of engine resources needed is still being assessed.</b>
40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:	
<ol style="list-style-type: none"> <li>1) critical resource needs identified above,</li> <li>2) the Incident Action Plan and management objectives and targets,</li> <li>3) anticipated results.</li> </ol>	
Explain major problems and concerns such as operational challenges, incident management problems, and social,	



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

political, economic, or environmental concerns or impacts.  
**Extreme fire behavior and inaccessible terrain makes direct containment of perimeter very difficult. Loss of loaned cooperator resources on 7/20/21 and 7/21/21 back to home units will severely limit our ability to make progress towards containment of fire unless critical resource needs are filled.**

41. Planned Actions for Next Operational Period:  
**Continue structure protection efforts at all areas currently being impacted by fire and continue securing established line around Markleeville by mopping up and improving line. Continue line construction along northwest flank in DIV F to limit fire spread to the north towards Highway 88. Staff DIV T as resources become available and begin line construction at Highway 89 progressing to the southwest. Continue structure prep along Highway 395 from Leviathan Road to Topaz Lake. Prep structures in China Spring area. Look for direct and indirect opportunities to protect values at risk. Particularly threatened are values along Highway 395. Evaluate and establish additional Management Action Points.**

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

43. Anticipated Incident Containment or Completion Date: **07/31/2021**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **\$4,980,000.00**

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	HEL1	HEL2	HEL3	ENG1	ENG3	ENG4	ENG6	DOZR	WTDS	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	0	0	1	0	0	0	0	0	0	0	0	0		
	Pers	0	0	20	0	0	0	0	0	0	0	0	0	1	21
<b>BLM</b>	Rsrc	0	0	0	0	0	1	0	3	0	0	0	0		
	Pers	0	0	0	0	0	8	0	13	0	0	0	0	10	31
<b>FS</b>	Rsrc	4	0	1	2	2	1	0	2	1	1	1	0		
	Pers	84	0	18	2	24	8	0	9	5	4	3	0	56	213
<b>FWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	3	3
<b>NPS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	5	5
<b>NWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>PRI</b>	Rsrc	0	0	0	1	1	0	0	0	0	0	0	8		
	Pers	0	0	0	1	1	0	0	0	0	0	0	5	0	7
<b>ST</b>	Rsrc	16	3	2	0	1	0	11	81	0	0	2	0		
	Pers	320	59	37	0	8	0	44	405	0	0	3	0	62	938
<b>52. Total Resources</b>		<b>20</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>11</b>	<b>86</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>8</b>		<b>1219</b>

53. Additional Cooperating and Assisting Organizations Not Listed Above:  
**Alpine County, CA; Douglas County, NV; Washoe Tribe, CALFIRE, EPA, CalTrans, Nevada Department of**



## **Incident Status Summary (ICS-209)**

Incident: **Tamarack**

**Transportation, Liberty Electric.**

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>	
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Bill Hahnenberg, Deputy IC</b>	5. Incident Management Organization: <b>Type 1 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>43900 Acres</b>	8a. Percent (%) Contained or Completed: <b>0 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex
	b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>		
12. Prepared By: Print Name: <b>Nate Williamson</b> Date/Time Prepared: <b>07/21/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Dan Dallas / Bill Hahnenberg</b> Signature:	
14. Date/Time Submitted: <b>07/21/2021 1800 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>	
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>	
19. Unit or Other:	20. Incident Jurisdiction: <b>NV-HTF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>	
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township:    Range:    Section: 1/4 Sec: of 1/4 Sec:	
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville, NV</b>			26. UTM Coordinates: Zone:    Easting: Northing:
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack</a></b>			
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):  <b>Active</b> <b>Crowning</b> <b>Short Crown Runs</b>			

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

**Uphill Runs**  
 Narrative:  
**Fire is burning in mixed conifer and brush fuel types. Fuels with high rates of spread. Short and mid-range spotting.**

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):  
**Timber (Grass and Understory)**  
**Chaparral (6 feet)**  
**Timber (Litter and Understory)**  
 Narrative:

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):  
**Fire spread into Nevada has resulted in recommended evacuations in the Spring Valley and Holbrook areas along US Highway 395.**  
**Reduction in number of destroyed residences result of updated damage assessment data. Assessments are continuing.**

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	<b>400</b>	<b>1</b>	<b>7</b>
F. Multiple Residences	<b>0</b>	<b>0</b>	<b>0</b>
G. Mixed Commercial / Residential	<b>5</b>	<b>0</b>	<b>0</b>
H. Nonresidential Commercial Property	<b>59</b>	<b>0</b>	<b>1</b>
I. Other Minor Structures	<b>100</b>	<b>0</b>	<b>0</b>

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	<b>0</b>		<b>0</b>
E. With Injuries/Illness	<b>0</b>		<b>0</b>
F. Trapped/In Need of Rescue	<b>0</b>		<b>0</b>
G. Missing	<b>0</b>		<b>0</b>
H. Evacuated	<b>800</b>	<b>0</b>	<b>800</b>
I. Sheltering in Place	<b>0</b>		<b>0</b>
J. In Temporary Shelters	<b>0</b>		<b>0</b>
K. Have Received Mass Immunizations	<b>0</b>		<b>0</b>
L. Require Immunizations	<b>0</b>		<b>0</b>
M. In Quarantine	<b>0</b>		<b>0</b>
<b>N. Total # Civilians (Public) Affected:</b>	<b>800</b>	<b>0</b>	<b>800</b>

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

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

33. Life, Safety, and Health Status/Threat Remarks:  
**An unknown number of civilians are seeking temporary shelter in hotels.**  
**An Air Resource Advisor is monitoring air quality impacts associated**

34. Life, Safety, and Health Threat Management:

	Active?
A. No Likely Threat	



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<p><b>with the incident. Southwest winds will transport smoke to the NE towards areas such as Fallon, Yerington, and Hawthorne. Smoke will settle into valleys NE and E of the fire tonight and dissipate late morning tomorrow. Smoke from the Dixie Fire may reach Reno and Fallon.</b></p> <p><b>Smoke may cause reduced visibility on Highway 395 during the overnight hours between Carson City and Coleville.</b></p> <p><b>Primary focus on public and firefighter safety.</b></p> <p><b>Hwy 88 &amp; 89 remain closed in the fire area to all traffic except incident personnel. US Highway 395 was closed today.</b></p> <p><b>Uncontrolled fire with extreme fire behavior continues to be threat to surrounding communities, public, and firefighters.</b></p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):  <b>Today weather was sunny. High Temps 78-88. Min RH 10-20%. SW 9-14 mph with gusts to 25 mph in the afternoon and evening. HAINES 5</b></p> <p><b>Tonight: Clear with smoke. Min Temp 50-60. Max humidity around 35-45%.</b></p> <p><b>Thursday: Mostly sunny. High Temps 79-89. Min RH 10-20%. SW 9-14 mph with gusts to 25 mph in the afternoon and evening. HAINES 5</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">Active?</th> </tr> </thead> <tbody> <tr><td>B. Potential Future Threat</td><td style="text-align: center;"><b>X</b></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 style="text-align: center;"><b>X</b></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;"><b>X</b></td></tr> <tr><td>P. Trail Closure</td><td style="text-align: center;"><b>X</b></td></tr> <tr><td>Q. Area Closure</td><td></td></tr> </tbody> </table>		Active?	B. Potential Future Threat	<b>X</b>	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	<b>X</b>	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	<b>X</b>	P. Trail Closure	<b>X</b>	Q. Area Closure	
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<p>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:</p>
<p>12 hours: <b>Very active to extreme fire behavior. High rates of spread with torching and spotting associated with both running and backing fire.</b></p>
<p>24 hours: <b>Continued extreme to active fire behavior. Fire spread primarily to the North and East.</b></p>
<p>48 hours: <b>Afternoon winds will continue to push the fire through the crowns well into the evening hours. High rates of spread and extreme fire behavior.</b></p>
<p>72 hours: <b>Continued dry conditions and high winds will continue to promote rapid rates of spread with torching and crowning.</b></p>
<p>Anticipated after 72 hours: <b>A warming trend will continue the process of drying fuels. Active fire spread is possible when in alignment.</b></p>

<p>37. Strategic Objectives (define planned end-state for incident):</p>
<p><b>1) Implement strategies and tactics that commit responders only to operations where and when they can be successful and under conditions where important values at risk are protected with the lowest possible risk.</b></p>
<p><b>2) Minimize fire spread to the north toward HWY 88, the Washoe Indian Colony, and affected communities; to the west toward the West Fork of the Carson River; to the east toward the HWY 395 corridor; and to the south toward the Eldorado National Forest.</b></p>
<p><b>3) Reduce the threat to Markleeville, the Washoe Indian Colony, the Woodfords and surrounding communities, private land and facilities; communication infrastructure, and transportation and utility</b></p>

## Incident Status Summary (ICS-209)

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**infrastructure.**

- 4) Minimize the potential for high severity fire effects on watersheds, wildlife, fisheries, and natural and cultural resources on National Forest, Bureau of Land Management, and Bureau of Indian Affairs Western Nevada Agency administered public lands.**
- 5) Provide timely and accurate information to the Agency Administrators, Cooperators, Stakeholders, media, and the public.**
- 6) Maintain and enhance relationships with adjoining agencies, cooperators, stakeholders, permittees, and local communities.**
- 7) Develop strategies and tactics that are cost effective and do not unnecessarily increase risk to firefighters or reduce the likelihood of success.**

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:

12 hours:	<b>Markleeville, Grover Hot Spring, East Fork Resort, Sierra Pines, Mesa Vista and Woodfords are imminently threatened with structure protection currently being implemented in all these location. Numerous infrastructure in Diamond and Dutch Valley are threatened and direct perimeter control is currently being implemented to stop fire spread in this area. Washoe Indian Colony is also threatened and Indian Creek Recreation Lands have been impacted by fire. Areas along the west side of US Highway 395 including Spring Valley and Holbrook Highlands are under imminent threat.</b>
24 hours:	<b>Threatened infrastructure includes communities of Paynesville, and Mesa Vista, critical watersheds and municipal water sources, and Grover Hot Springs. Also, infrastructure in Carson Canyon and private inholdings adjacent to the fire area. Communities to the west of US Highway 395 including Holbrook and Topaz Ranch Estates are now threatened.</b>
48 hours:	<b>Threatened infrastructure includes communities of Paynesville, and Mesa, critical watershed and municipal water sources and Hawkins Peak communication site. Also, infrastructure in Carson Canyon and private in-holdings adjacent to fire area, the Leviathan Mine, and multiple subdivisions along Highway 395 corridor.</b>
72 hours:	<b>Charity Valley threatened impacting cattle permittees. Also Leviathan Mine, Highway 395 corridor including multiple subdivision and other private residences along corridor, and Blue Lakes Recreational Area (has been evacuated). Carson Valley including Gardnerville Rancho.</b>
Anticipated after 72 hours:	<b>Highway 88 corridor infrastructure, campgrounds and private properties to Pickets Junction. Charity Valley impacting cattle permittees, infrastructure in Carson Canyon and private in-holdings adjacent to fire area. Carson Valley including Gardnerville Rancho.</b>

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:

12 hours:	<b>1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-Type 2IA crews, 2-T1/2 Wildland Fire Modules.</b>
24 hours:	<b>1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-Type 2IA crews, 2-T1/2 Wildland Fire Modules.</b>



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

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Anticipated after 72 hours:	<b>1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-Type 2IA crews, 2-T1/2 Wildland Fire Modules.</b>

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.

**Extreme fire behavior and inaccessible terrain makes direct containment of perimeter very difficult. Loss of loaned cooperator resources back to home units will severely limit our ability to make progress towards containment of fire unless critical resource needs are filled.**

**UASP is needed for critical burnout operations to protect threatened structures.**

41. Planned Actions for Next Operational Period:

**Continue structure protection efforts at all areas currently being impacted by fire and continue securing established line around Markleeville by mopping up and improving line. Continue line construction along northwest flank in DIV F to limit fire spread to the north towards Highway 88. Staff DIV T as resources become available and begin line construction at Highway 89 progressing to the southwest. Continue structure prep along Highway 395 from Leviathan Road to Topaz Lake. Prep structures in China Spring area. Look for direct and indirect opportunities to protect values at risk. Particularly threatened are values along Highway 395. Evaluate and establish additional Management Action Points.**

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: **\$6,650,000.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):  
**Acreage estimated from FireWatch flight: 0928 7/21/2021**

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	HEL1	HEL2	HEL3	ENG1	ENG3	ENG4	ENG6	DOZR	WTDS	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	0	0	1	0	0	0	0	0	0	0	0	0		
	Pers	0	0	20	0	0	0	0	0	0	0	0	0	1	21
<b>BLM</b>	Rsrc	0	0	0	0	0	1	0	0	0	0	0	0		
	Pers	0	0	0	0	0	8	0	0	0	0	0	0	16	24
<b>FS</b>	Rsrc	4	0	1	2	2	1	0	2	1	1	1	0		
	Pers	84	0	18	2	24	8	0	9	5	4	3	0	56	213



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<b>FWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>NPS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
<b>NWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
<b>PRI</b>	Rsrc	0	0	0	1	1	0	0	0	0	0	0	8				
	Pers	0	0	0	1	1	0	0	0	0	0	0	5	0	7		
<b>ST</b>	Rsrc	16	3	2	0	1	0	11	81	0	0	2	0				
	Pers	320	59	37	0	8	0	44	405	0	0	3	0	62	938		
<b>52. Total Resources</b>		<b>20</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>11</b>	<b>83</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>8</b>		<b>1213</b>		

53. Additional Cooperating and Assisting Organizations Not Listed Above:

**Alpine County, CA; Douglas County, NV; Washoe Tribe, CALFIRE, EPA, CalTrans, Nevada Department of Transportation, Liberty Electric.**

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>	
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Bill Hahnenberg, Deputy IC</b>	5. Incident Management Organization: <b>Type 1 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>50129 Acres</b>	8a. Percent (%) Contained or Completed: <b>4 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex
	b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>		
12. Prepared By: Print Name: <b>Nate Williamson</b> Date/Time Prepared: <b>07/22/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Dan Dallas / Bill Hahnenberg</b> Signature:	
14. Date/Time Submitted: <b>07/22/2021 1745 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>	
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>	
19. Unit or Other:	20. Incident Jurisdiction: <b>NV-HTF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>	
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township:    Range:    Section: 1/4 Sec: of 1/4 Sec:	
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville, NV</b>			26. UTM Coordinates: Zone: Easting: Northing:
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack</a></b>			
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):  <b>Extreme Running Short Crown Runs</b>			

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Incident: **Tamarack**

**Short-range Spotting**  
 Narrative:  
**Extreme fire behavior observed and is expected to continue well into the evening.**

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):  
**Timber (Grass and Understory)**  
**Chaparral (6 feet)**  
**Timber (Litter and Understory)**  
 Narrative:

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):  
**Fire spread into Nevada has resulted in additional recommended evacuations in the Topaz ranch Estates and Topaz Lake areas east of US Highway 395.**  
**Damage assessment data from CALFIRE damage assessment team. Assessments will continue.**

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	<b>800</b>	<b>2</b>	<b>9</b>
F. Multiple Residences	<b>0</b>	<b>0</b>	<b>0</b>
G. Mixed Commercial / Residential	<b>5</b>	<b>0</b>	<b>0</b>
H. Nonresidential Commercial Property	<b>125</b>	<b>0</b>	<b>1</b>
I. Other Minor Structures	<b>200</b>	<b>0</b>	<b>4</b>

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	<b>0</b>		<b>0</b>
E. With Injuries/Illness	<b>0</b>		<b>0</b>
F. Trapped/In Need of Rescue	<b>0</b>		<b>0</b>
G. Missing	<b>0</b>		<b>0</b>
H. Evacuated	<b>800</b>	<b>1,639</b>	<b>2,439</b>
I. Sheltering in Place	<b>0</b>		<b>0</b>
J. In Temporary Shelters	<b>0</b>		<b>0</b>
K. Have Received Mass Immunizations	<b>0</b>		<b>0</b>
L. Require Immunizations	<b>0</b>		<b>0</b>
M. In Quarantine	<b>0</b>		<b>0</b>
<b>N. Total # Civilians (Public) Affected:</b>	<b>800</b>	<b>1,639</b>	<b>2,439</b>

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

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	<b>0</b>		<b>0</b>
E. With Injuries/Illness	<b>1</b>	<b>1</b>	<b>2</b>
F. Trapped/In Need of Rescue	<b>0</b>		<b>0</b>
G. Missing	<b>0</b>		<b>0</b>
H. Evacuated	<b>0</b>		<b>0</b>
I. Sheltering in Place	<b>0</b>		<b>0</b>
J. In Temporary Shelters	<b>0</b>		<b>0</b>
K. Have Received Mass Immunizations	<b>0</b>		<b>0</b>
L. Require Immunizations	<b>0</b>		<b>0</b>
M. In Quarantine	<b>0</b>		<b>0</b>
<b>N. Total # Responders Affected:</b>	<b>1</b>	<b>1</b>	<b>2</b>

33. Life, Safety, and Health Status/Threat Remarks:  
**Additional evacuees primarily from the US Highway 395 corridor.**  
**A firefighter sustained a second degree burn to the arm (~1%).**

34. Life, Safety, and Health Threat Management:

	Active?
A. No Likely Threat	



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<p><b>Similar conditions today compared to yesterday. Southwest to West winds afternoon transported smoke to the Northeast and then East towards to the areas of Fallon, Yerington, Smith, and Hawthorne. Winds will become variable tonight, which may bring smoke into areas south of the fire, including Topaz Lake and Bridgeport. Smoke will settle into valleys Northeast, East, and Southeast of the fire tonight and dissipate late morning tomorrow. Smoke from the Dixie Fire will impact the Fallon area later tonight.</b></p> <p><b>Smoke may cause reduced visibility on Highway 395 during the overnight hours between Carson City and Coleville.</b></p> <p><b>Hwy 88 &amp; 89 remain closed in the fire area to all traffic except incident personnel. US Highway 395 remains closed due to major spot due to major spot across highway.</b></p> <p><b>Uncontrolled fire with extreme fire behavior continues to be threat to surrounding communities, public, and firefighters.</b></p>		Active?
	B. Potential Future Threat	<b>X</b>
	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	<b>X</b>
	I. Shelter-in-Place in Progress	
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	K. Mass Immunization in Progress	
	L. Mass Immunization Complete	
	M. Quarantine in Progress	
N. Area Restriction in Effect		
O. Road Closure	<b>X</b>	
P. Trail Closure	<b>X</b>	
Q. Area Closure		
<p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):  <b>Today's weather was mostly sunny. High Temps 79-89. Min RH 15-20%. WSW 9-14 mph with gusts to 25 mph in the afternoon and evening. HAINES 5</b></p> <p><b>Tonight-Clear with smoke. Min Temp 50-60. Max humidity around 35-45%. Localized downcanyon winds.</b></p> <p><b>Friday-Mostly sunny. High Temps 79-89. Min RH 15-20%. Upslope 4-8 mph with NW 10-15 G25 late in the afternoon and evening mainly on the Nevada side. HAINES 5</b></p>		

<p>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:</p>	
12 hours:	<b>Poor humidity recovery will result in continued very active to extreme fire behavior into the evening hours. High rates of spread with torching and spotting associated with both running and backing fire.</b>
24 hours:	<b>Burning conditions expected to be similar to Thursday with continued extreme to active fire behavior. Fire spread primarily to the North and East.</b>
48 hours:	<b>Afternoon winds will continue to push the fire through the crowns well into the evening hours. High rates of spread and extreme fire behavior.</b>
72 hours:	<b>Chance of thunderstorms with associated gusty outflow winds. Continued rapid rates of spread with torching and crowning.</b>
Anticipated after 72 hours:	<b>Warm temperatures will continue the process of drying fuels. Active fire spread is possible when in alignment.</b>

<p>37. Strategic Objectives (define planned end-state for incident):</p>	
<p><b>1) Implement strategies and tactics that commit responders only to operations where and when they can be successful and under conditions where important values at risk are protected with the lowest possible risk.</b></p>	
<p><b>2) Minimize fire spread to the north toward HWY 88, the Washoe Indian Colony, and affected communities; to the west toward the West Fork of the Carson River; to the east toward the HWY 395</b></p>	

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

**corridor; and to the south toward the Eldorado National Forest.**

- 3) Reduce the threat to Markleeville, the Washoe Indian Colony, the Woodfords and surrounding communities, private land and facilities; communication infrastructure, and transportation and utility infrastructure.**
- 4) Minimize the potential for high severity fire effects on watersheds, wildlife, fisheries, and natural and cultural resources on National Forest, Bureau of Land Management, and Bureau of Indian Affairs Western Nevada Agency administered public lands.**
- 5) Provide timely and accurate information to the Agency Administrators, Cooperators, Stakeholders, media, and the public.**
- 6) Maintain and enhance relationships with adjoining agencies, cooperators, stakeholders, permittees, and local communities.**
- 7) Develop strategies and tactics that are cost effective and do not unnecessarily increase risk to firefighters or reduce the likelihood of success.**

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:

12 hours:	<b>Markleeville, Grover Hot Spring, East Fork Resort, Sierra Pines, Mesa Vista and Woodfords are imminently threatened with structure protection currently being implemented in all these location. Numerous infrastructure in Diamond and Dutch Valley are threatened and direct perimeter control is currently being implemented to stop fire spread in this area. Washoe Indian Colony is also threatened and Indian Creek Recreation Lands have been impacted by fire. Areas along and to the east of US Highway 395 are under imminent threat.</b>
24 hours:	<b>Threatened infrastructure includes communities of Paynesville, and Mesa Vista, critical watersheds and municipal water sources, and Grover Hot Springs. Also, infrastructure in Carson Canyon and private inholdings adjacent to the fire area. Communities to the east of US Highway 395 are threatened.</b>
48 hours:	<b>Threatened infrastructure includes communities of Paynesville, and Mesa, critical watershed and municipal water sources and Hawkins Peak communication site. Also, infrastructure in Carson Canyon and private in-holdings adjacent to fire area, the Leviathan Mine, and multiple subdivisions along and to the east of Highway 395 corridor.</b>
72 hours:	<b>Charity Valley threatened impacting cattle permittees. Also Leviathan Mine, Highway 395 corridor including multiple subdivision and other private residences along and to the east of corridor, and Blue Lakes Recreational Area (has been evacuated). Carson Valley including Gardnerville Rancho.</b>
Anticipated after 72 hours:	<b>Highway 88 corridor infrastructure, campgrounds and private properties to Pickets Junction. Charity Valley impacting cattle permittees, infrastructure in Carson Canyon and private in-holdings adjacent to fire area. Carson Valley including Gardnerville Rancho.</b>

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:

12 hours: **1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-**

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

	<b>Type 2IA crews, 2-T1/2 Wildland Fire Modules, 2-Line Safety Officers.</b>
24 hours:	<b>1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-Type 2IA crews, 2-T1/2 Wildland Fire Modules, 2-Line Safety Officers.</b>
48 hours:	<b>1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-Type 2IA crews, 2-T1/2 Wildland Fire Modules, 2-Line Safety Officers.</b>
72 hours:	<b>1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-Type 2IA crews, 2-T1/2 Wildland Fire Modules, 2-Line Safety Officers.</b>
Anticipated after 72 hours:	<b>1-UASP with 2 operators (5 operational periods), 2-DIVS, 3-TFLD, 2-HEQB 4-Type 1 crews, 5-Type 2IA crews, 2-T1/2 Wildland Fire Modules, 2-Line Safety Officers.</b>
<p>40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:</p> <ol style="list-style-type: none"> <li>1) critical resource needs identified above,</li> <li>2) the Incident Action Plan and management objectives and targets,</li> <li>3) anticipated results.</li> </ol> <p>Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.</p> <p><b>Extreme fire behavior and inaccessible terrain makes direct containment of perimeter very difficult. All field resources identified above are critical to completing direct, indirect, and contingency lines protecting the communities and other values at risk within the potential path of the fire.</b></p> <p><b>UASP is needed for critical burnout operations to protect threatened structures, energy transmission lines, and infrastructure values.</b></p>	
<p>41. Planned Actions for Next Operational Period:</p> <p><b>Branch I - Secure line in DIV K, finish prep on dozerline in K south of China Springs Youth Camp. Prepare for burnout and structure protection along US Highway 395. Identify contingency east of Highway 395 and secure major spot fire east of the highway.</b></p> <p><b>Branch II - continue to scout indirect Line opportunities.</b></p> <p><b>Branch III - Prep and hold Highway 88 and Crystal Springs area. Scout opportunities from Hawkins communication site to A/F Division break.</b></p> <p><b>Structure - Continue to assess and prep structures along US Highway 395. Mop up and secure around structures in Woodfords, Grover Hot Springs, and Markleeville areas.</b></p>	
42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):	
43. Anticipated Incident Containment or Completion Date: <b>08/31/2021</b>	
44. Projected Significant Resource Demobilization Start Date:	
45. Estimated Incident Costs to Date: <b>\$8,700,000.00</b>	
46. Projected Final Incident Cost Estimate:	
47. Remarks (or continuation of any blocks above – list block number in notation): <b>Acreage estimated from NIROPS flight: 2000 7/21/2021</b>	
49. Resources (summarize resources by category, kind, and/or type; show # of resources on top 1/2 of box, show # of personnel associated with resource on bottom 1/2 of box):	



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

48. Agency or Org		CR1	CR2	CR2IA	HEL1	HEL2	HEL3	ENG1	ENG3	ENG4	ENG6	DOZR	WTDT	WTDS	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	0	0	1	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	20	0	0	0	0	0	0	0	0	0	0	2	22
<b>BLM</b>	Rsrc	0	0	0	0	0	1	0	1	0	0	0	0	0		
	Pers	0	0	0	0	0	8	0	7	0	0	0	0	0	19	34
<b>FS</b>	Rsrc	6	0	1	2	2	1	0	2	1	1	0	0	0		
	Pers	123	0	20	2	24	8	0	8	5	4	0	0	0	76	270
<b>FWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>NPS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
<b>NWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>PRI</b>	Rsrc	0	0	0	1	1	0	0	0	0	3	1	4	10		
	Pers	0	0	0	1	1	0	0	0	0	9	4	8	10	0	33
<b>ST</b>	Rsrc	16	3	2	0	2	0	14	81	0	0	3	0	0		
	Pers	320	59	37	0	11	0	56	405	0	0	5	0	0	90	983
<b>52. Total Resources</b>		<b>22</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>14</b>	<b>84</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>10</b>		<b>1353</b>

53. Additional Cooperating and Assisting Organizations Not Listed Above:  
**Alpine County, CA; Douglas County, NV; Washoe Tribe, CALFIRE, EPA, CalTrans, Nevada Department of Transportation, Liberty Electric.**

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>									
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Bill Hahnenberg, Deputy IC</b>	5. Incident Management Organization: <b>Type 1 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>								
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>59112 Acres</b>	8a. Percent (%) Contained or Completed: <b>4 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex	11. Report Time Period: From Date/Time: <b>07/22/2021 1800 PDT</b> To Date/Time: <b>07/23/2021 1730 PDT</b>							
	b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>				<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><b>Monitor</b></td> <td></td> </tr> <tr> <td><b>Confine</b></td> <td></td> </tr> <tr> <td><b>Point Zone Protection</b></td> <td></td> </tr> <tr> <td><b>Full Suppression</b></td> <td style="text-align: center;"><b>100</b></td> </tr> </tbody> </table>	Strategy	Percent (%)	<b>Monitor</b>		<b>Confine</b>	
Strategy	Percent (%)										
<b>Monitor</b>											
<b>Confine</b>											
<b>Point Zone Protection</b>											
<b>Full Suppression</b>	<b>100</b>										
12. Prepared By: Print Name: <b>Nate Williamson</b> Date/Time Prepared: <b>07/23/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Dan Dallas / Bill Hahnenberg</b> Signature:									
14. Date/Time Submitted: <b>07/23/2021 1754 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>									
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>									
19. Unit or Other:	20. Incident Jurisdiction: <b>NV-HTF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>									
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township:    Range:    Section: 1/4 Sec: of 1/4 Sec:									
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville, NV</b>			26. UTM Coordinates: Zone: Easting: Northing:								
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack</a></b>											
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):  <b>Active</b> <b>Crowning</b> <b>Short Crown Runs</b>											



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

**Uphill Runs**  
 Narrative:  
**Fire is burning in mixed conifer, Pinyon-Juniper and brush fuel types with high rates of spread. Crowning, torching, and running fire behavior. Short and mid-range spotting is prolific in lower elevation fuels.**

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):  
**Timber (Grass and Understory)**  
**Chaparral (6 feet)**  
**Timber (Litter and Understory)**

Narrative:

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):  
**Fire spread into Nevada has resulted in additional recommended evacuations east of the Topaz Ranch Estates and Topaz Lake areas to the Lyon County line.**  
**Douglas County Assessment Team will initiate damage assessment surveys.**  
**Damage assessment data from CALFIRE damage assessment team. Assessments will continue.**

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	1,500	2	9
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	5	0	0
H. Nonresidential Commercial Property	125	0	1
I. Other Minor Structures	200	0	5

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	2,439	0	2,439
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0
M. In Quarantine	0		0
<b>N. Total # Civilians (Public) Affected:</b>	<b>2,439</b>	<b>0</b>	<b>2,439</b>

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	2	0	2
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
L. Require Immunizations	0		0
M. In Quarantine	0		0
<b>N. Total # Responders Affected:</b>	<b>2</b>	<b>0</b>	<b>2</b>



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<p>33. Life, Safety, and Health Status/Threat Remarks:</p> <p><b>Road Closures include Highway 88 from the Nevada state line to Pickets Junction, State Route 89 from the junction of Highway 88 to Highway 395, State Route 4 from the junction of Statue Route 89 to Ebbett's Pass, and US Highway 395 from China Spring Road to the Nevada/California state line, and the junction of Highway 295 and State Route 208.</b></p> <p><b>Area Closure: The Humboldt-Toiyabe National Forest has closed all areas, campgrounds, trails, and roads on the Carson Ranger District located within the boundaries of the Tamarack Fire.</b></p> <p><b>Smoke impacts: Through mid-afternoon, most smoke impacts will be near and to the east of the fire. This evening, smoke will also impact areas south of the fire, such as Coleville and Bridgeport. Overnight, smoke will move in all directions from the fire, and smoke from the Dixie Fire will move into the outlook area and combine with smoke from the Tamarack Fire. Widespread smoke will settle into valleys across the outlook area tonight, including Tahoe, and dissipate late morning tomorrow.</b></p> <p><b>Smoke may cause reduced visibility on Highway 395 during the overnight hours between Minden and Coleville.</b></p>	<p>34. Life, Safety, and Health Threat Management:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">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;"><b>X</b></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 style="text-align: center;"><b>X</b></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;"><b>X</b></td></tr> <tr><td>P. Trail Closure</td><td style="text-align: center;"><b>X</b></td></tr> <tr><td>Q. Area Closure</td><td style="text-align: center;"><b>X</b></td></tr> </tbody> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	<b>X</b>	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	<b>X</b>	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	<b>X</b>	P. Trail Closure	<b>X</b>	Q. Area Closure	<b>X</b>
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<p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):</p> <p><b>Today's weather was mostly sunny. High Temps 79-89. Min RH 15-20%. Mostly sunny. Upslope 4-8 mph with NW 10-15 G25 late in the afternoon and evening mainly on the Nevada side. HAINES 5</b></p> <p><b>Tonight-Clear with smoke. Min Temp 50-60. Max humidity around 35-45%. Localized downcanyon winds.</b></p> <p><b>Saturday-Mostly sunny. High Temps 79-89. Min RH 15-20%. Upslope 4-8 mph with NW 10-15 G25 late in the afternoon and evening mainly on the Nevada side. HAINES 5</b></p>																																					

<p>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:</p>
<p>12 hours: <b>Very active to extreme fire behavior. High rates of spread with torching and spotting associated with brush and Pinyon-Juniper fuel types.</b></p>
<p>24 hours: <b>Continued extreme to active fire behavior. Fire spread primarily to the East.</b></p>
<p>48 hours: <b>Afternoon winds will continue to impact the fire well into the evening hours. High rates of spread and extreme fire behavior.</b></p>
<p>72 hours: <b>Continued dry conditions and instability will continue to promote rapid rates of spread with torching and crowning.</b></p>
<p>Anticipated after 72 hours: <b>A slight cooling trend will have little effect on the fire in the absence of precipitation on the fire. Active fire spread is possible when in alignment.</b></p>

<p>37. Strategic Objectives (define planned end-state for incident):</p> <p><b>1) Implement strategies and tactics that commit responders only to operations where and when they can be successful and under conditions where important values at risk are protected with the lowest possible risk.</b></p>
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## Incident Status Summary (ICS-209)

Incident: **Tamarack**

- 2) Minimize fire spread to the north toward HWY 88, the Washoe Indian Colony, and affected communities; to the west toward the West Fork of the Carson River; to the east toward the HWY 395 corridor; and to the south toward the Eldorado National Forest.**
- 3) Reduce the threat to Markleeville, the Washoe Indian Colony, the Woodfords and surrounding communities, private land and facilities; communication infrastructure, and transportation and utility infrastructure.**
- 4) Minimize the potential for high severity fire effects on watersheds, wildlife, fisheries, and natural and cultural resources on National Forest, Bureau of Land Management, and Bureau of Indian Affairs Western Nevada Agency administered public lands.**
- 5) Provide timely and accurate information to the Agency Administrators, Cooperators, Stakeholders, media, and the public.**
- 6) Maintain and enhance relationships with adjoining agencies, cooperators, stakeholders, permittees, and local communities.**
- 7) Develop strategies and tactics that are cost effective and do not unnecessarily increase risk to firefighters or reduce the likelihood of success.**

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:

12 hours:	<b>Fire poses an immediate threat to approximately 1500 structures in the communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under imminent threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
24 hours:	<b>Fire poses an immediate threat to approximately 1500 structures in the communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under imminent threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
48 hours:	<b>Communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under imminent threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
72 hours:	<b>Communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under imminent threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues</b>

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

	<p><b>to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b></p>
Anticipated after 72 hours:	<p><b>Communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under imminent threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b></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><b>3-TFLD, 2-HEQB 1-Type 1 crews, 5-Type 2IA crews, 1-T1/2 Wildland Fire Modules, 1-Line Safety Officer</b></p>
24 hours:	<p><b>3-TFLD, 2-HEQB 1-Type 1 crews, 5-Type 2IA crews, 1-T1/2 Wildland Fire Modules, 1-Line Safety Officer</b></p>
48 hours:	<p><b>3-TFLD, 2-HEQB 1-Type 1 crews, 5-Type 2IA crews, 1-T1/2 Wildland Fire Modules, 1-Line Safety Officer</b></p>
72 hours:	<p><b>3-TFLD, 2-HEQB 1-Type 1 crews, 5-Type 2IA crews, 1-T1/2 Wildland Fire Modules, 1-Line Safety Officer</b></p>
Anticipated after 72 hours:	<p><b>3-TFLD, 2-HEQB 1-Type 1 crews, 5-Type 2IA crews, 1-T1/2 Wildland Fire Modules, 1-Line Safety Officer</b></p>
<p>40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:</p> <ol style="list-style-type: none"> <li>1) critical resource needs identified above,</li> <li>2) the Incident Action Plan and management objectives and targets,</li> <li>3) anticipated results.</li> </ol> <p>Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.</p> <p><b>Extreme fire behavior and inaccessible terrain makes direct containment of perimeter very difficult. All field resources identified above are critical to completing direct, indirect, and contingency lines protecting the communities and other values at risk within the potential path of the fire.</b></p> <p><b>UASP is needed for critical burnout operations to protect threatened structures, energy transmission lines, and infrastructure values.</b></p>	
<p>41. Planned Actions for Next Operational Period:</p> <p><b>Branch I - Hold fire south of China Spring. Secure Hwy 395 slopover. Secure structures along Hwy 395, Topaz Ranch Estates, and Smith Valley.</b></p> <p><b>Branch II - continue to scout indirect Line opportunities from Leviathan Peak west to Q/T break.</b></p> <p><b>Branch III - Hold fire south of Hwy 88. Secure structures in Crystal Springs. Hold fire east of Rocky Spine Ridge.</b></p> <p><b>Structure - Secure structures along Hwy 395, Spring Valley, and Holbrook.</b></p> <p><b>Night Operations - Patrol and secure structures along Hwy 88 and Hwy 395. Conduct firing operations as conditions allow (BR I and III).</b></p>	



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):
43. Anticipated Incident Containment or Completion Date: <b>08/31/2021</b>
44. Projected Significant Resource Demobilization Start Date:
45. Estimated Incident Costs to Date: <b>\$11,050,000.00</b>
46. Projected Final Incident Cost Estimate:
47. Remarks (or continuation of any blocks above – list block number in notation): <b>Acreage estimated from NIROPS flight: 1930 7/22/2021</b>

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	ENG1	ENG3	ENG4	ENG6	DOZR	WTDT	WTDS	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	20	0	0	0	0	0	0	0	0	0	0	0	2	22
<b>BLM</b>	Rsrc	0	1	0	0	0	0	1	1	0	0	0	0	0	0		
	Pers	0	18	0	0	0	0	8	7	0	0	0	0	0	0	23	56
<b>FS</b>	Rsrc	6	0	1	1	2	2	1	0	2	1	1	0	0	0		
	Pers	123	0	20	8	2	24	8	0	8	5	4	0	0	0	81	283
<b>FWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>NPS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
<b>NWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>PRI</b>	Rsrc	1	0	0	0	1	1	1	0	1	0	5	1	4	11		
	Pers	20	0	0	0	1	1	1	0	3	0	15	4	8	11	0	64
<b>ST</b>	Rsrc	16	3	2	0	0	2	0	14	82	0	1	3	0	0		
	Pers	320	59	37	0	0	11	0	56	409	0	2	5	0	0	90	989
<b>52. Total Resources</b>		23	4	4	1	3	5	3	15	85	1	7	4	4	11		1425

53. Additional Cooperating and Assisting Organizations Not Listed Above:  
**Alpine County, CA; Douglas County, NV; Washoe Tribe, CALFIRE, EPA, CalTrans, Nevada Department of Transportation, Liberty Electric, NV Energy.**

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>	
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Bill Hahnenberg, Deputy IC</b>	5. Incident Management Organization: <b>Type 1 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>66744 Acres</b>	8a. Percent (%) Contained or Completed: <b>4 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex
	b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>		
12. Prepared By: Print Name: <b>Nate Williamson</b> Date/Time Prepared: <b>07/24/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Dan Dallas / Bill Hahnenberg</b> Signature:	
14. Date/Time Submitted: <b>07/24/2021 1746 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>	
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>	
19. Unit or Other:	20. Incident Jurisdiction: <b>NV-HTF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>	
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township:    Range:    Section: 1/4 Sec: of 1/4 Sec:	
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville, NV</b>			26. UTM Coordinates: Zone:    Easting: Northing:
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack</a></b>			
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):  <b>Extreme Crowning Short Crown Runs</b>			



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<b>Uphill Runs</b>																											
Narrative: <b>Fire is burning in mixed conifer, Pinyon Juniper and brush fuel types, with high rates of spread. Crowning, torching, and running fire behavior with short/ midrange spotting.</b>																											
29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):  <b>Timber (Grass and Understory) Chaparral (6 feet) Timber (Litter and Understory)</b>																											
Narrative:																											
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): <b>Recommended evacuations in place east of the Topaz Ranch Estates and Topaz Lake areas to the Lyon County line.</b>  <b>Douglas County Assessment Team in place.</b>  <b>CALFIRE damage assessments complete.</b>			<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 40%;">A. Structural Summary</th> <th style="width: 20%;">B. # Threatened (up to 72 hrs)</th> <th style="width: 15%;">C. # Damaged</th> <th style="width: 25%;">D. # Destroyed</th> </tr> </thead> <tbody> <tr> <td>E. Single Residences</td> <td><b>1,500</b></td> <td><b>2</b></td> <td><b>9</b></td> </tr> <tr> <td>F. Multiple Residences</td> <td><b>0</b></td> <td><b>0</b></td> <td><b>0</b></td> </tr> <tr> <td>G. Mixed Commercial / Residential</td> <td><b>5</b></td> <td><b>0</b></td> <td><b>0</b></td> </tr> <tr> <td>H. Nonresidential Commercial Property</td> <td><b>125</b></td> <td><b>0</b></td> <td><b>1</b></td> </tr> <tr> <td>I. Other Minor Structures</td> <td><b>200</b></td> <td><b>0</b></td> <td><b>5</b></td> </tr> </tbody> </table>	A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed	E. Single Residences	<b>1,500</b>	<b>2</b>	<b>9</b>	F. Multiple Residences	<b>0</b>	<b>0</b>	<b>0</b>	G. Mixed Commercial / Residential	<b>5</b>	<b>0</b>	<b>0</b>	H. Nonresidential Commercial Property	<b>125</b>	<b>0</b>	<b>1</b>	I. Other Minor Structures	<b>200</b>	<b>0</b>	<b>5</b>
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31. Public Status Summary: <i>C. Indicate the Number of Civilians (Public) Below:</i>				32. Responder Status Summary: <i>C. Indicate the Number of Responders Below:</i>			
	Previous Report Total	A. # this Reporting Period	B. Total # to-date		Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0	D. Fatalities	0		0
E. With Injuries/Illness	0		0	E. With Injuries/Illness	2	0	2
F. Trapped/In Need of Rescue	0		0	F. Trapped/In Need of Rescue	0		0
G. Missing	0		0	G. Missing	0		0
H. Evacuated	2,439	0	2,439	H. Evacuated	0		0
I. Sheltering in Place	0		0	I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0	J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0	K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0	L. Require Immunizations	0		0
M. In Quarantine	0		0	M. In Quarantine	0		0
<b>N. Total # Civilians (Public) Affected:</b>	<b>2,439</b>	<b>0</b>	<b>2,439</b>	<b>N. Total # Responders Affected:</b>	<b>2</b>	<b>0</b>	<b>2</b>

33. Life, Safety, and Health Status/Threat Remarks: <b>Road Closures include Highway 88 from the Nevada state line to Pickets Junction, State Route 89 from the junction of Highway 88 to Highway 395, State Route 4 from the junction of Statue Route 89 to</b>	34. Life, Safety, and Health Threat Management:
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## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<p><b>Ebbett's Pass, and US Highway 395 from China Spring Road to the Nevada/California state line, and the junction of Highway 295 and State Route 208.</b></p> <p><b>Area Closure: The Humboldt-Toiyabe National Forest has closed all areas, campgrounds, trails, and roads on the Carson Ranger District located within the boundaries of the Tamarack Fire.</b></p> <p><b>Smoke impacts: Heavy smoke from the Dixie Fire arrived last night and spread throughout the outlook area, causing poor air quality for many areas. Winds were light for most of the day, smoke will persist until stronger winds arrive tomorrow late afternoon. For most areas, conditions will gradually improve somewhat, but more Dixie Fire smoke will arrive tonight, similar to last night. Some areas could see periods of Very Unhealthy to Hazardous air quality conditions this morning and tonight through tomorrow morning.</b></p> <p><b>Evacuations have been lifted in the communities of Mesa Vista and Hung-a-lel-ti (approximately 100 repopulated).</b></p> <p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):  <b>Today's weather was mostly sunny. High Temps 79-89. Min RH 15-20%. Mostly sunny. Upslope 4-8 mph with NW 10-15 G25 late in the afternoon and evening mainly on the Nevada side. HAINES 5</b></p> <p><b>Tonight-Clear with smoke. Min Temp 50-60. Max humidity around 35-45%. Localized downcanyon winds.</b></p> <p><b>Sunday-Partly cloudy, becoming mostly cloudy with a chance of thunderstorms and gusty outflow winds. High Temps 79-89. Min RH 15-20%. Upslope 4-8 mph with WSW 10-15 G25 late in the afternoon and evening. HAINES 4</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">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;"><b>X</b></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 style="text-align: center;"><b>X</b></td></tr> <tr><td>I. Shelter-in-Place in Progress</td><td></td></tr> <tr><td>J. Repopulation in Progress</td><td style="text-align: center;"><b>X</b></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;"><b>X</b></td></tr> <tr><td>P. Trail Closure</td><td style="text-align: center;"><b>X</b></td></tr> <tr><td>Q. Area Closure</td><td style="text-align: center;"><b>X</b></td></tr> </tbody> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	<b>X</b>	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	<b>X</b>	I. Shelter-in-Place in Progress		J. Repopulation in Progress	<b>X</b>	K. Mass Immunization in Progress		L. Mass Immunization Complete		M. Quarantine in Progress		N. Area Restriction in Effect		O. Road Closure	<b>X</b>	P. Trail Closure	<b>X</b>	Q. Area Closure	<b>X</b>
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<p>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:</p> <p>12 hours: <b>Active fire behavior. Crown fire runs in heavy fuels.</b></p> <p>24 hours: <b>Continued active fire behavior. Fire spread is primarily backing and flanking to the south. Possible strong outdrafts from nearby thunderstorms may affect the fire.</b></p> <p>48 hours: <b>Fire spread will be affected by a mosaic of fuels. Active fire spread with single tree and group torching.</b></p> <p>72 hours: <b>A slight cooling trend will have little effect on the fire in the absence of precipitation on the fire. Active fire spread is possible when in alignment.</b></p> <p>Anticipated after 72 hours: <b>Cooling trend continues but will not substantially impact the fire without precipitation. Active fire spread still possible.</b></p>	
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<p>37. Strategic Objectives (define planned end-state for incident):</p> <p><b>1) Implement strategies and tactics that commit responders only to operations where and when they can be successful and under conditions where important values at risk are protected with the lowest possible risk.</b></p> <p><b>2) Minimize fire spread to the north toward HWY 88, the Washoe Indian Colony, and affected communities; to the west toward the West Fork of the Carson River; to the east of the HWY 395</b></p>	
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## Incident Status Summary (ICS-209)

Incident: **Tamarack**

**corridor; and to the south toward the Eldorado National Forest.**

- 3) Reduce the threat to Markleeville, the Washoe Indian Colony, the Woodfords and surrounding communities, private land and facilities; communication infrastructure, and transportation and utility infrastructure.**
- 4) Minimize the potential for high severity fire effects on watersheds, wildlife, fisheries, and natural and cultural resources on National Forest, Bureau of Land Management, and Bureau of Indian Affairs Western Nevada Agency administered public lands.**
- 5) Provide timely and accurate information to the Agency Administrators, Cooperators, Stakeholders, media, and the public.**
- 6) Maintain and enhance relationships with adjoining agencies, cooperators, stakeholders, permittees, and local communities.**
- 7) Develop strategies and tactics that are cost effective and do not unnecessarily increase risk to firefighters or reduce the likelihood of success.**

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:

12 hours:	<b>Fire poses threat to approximately 1500 structures in the communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
24 hours:	<b>Fire poses threat to approximately 1500 structures in the communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
48 hours:	<b>Fire poses threat to approximately 1500 structures in the communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
72 hours:	<b>Fire poses threat to approximately 1500 structures in the communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under threat from the fire; Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
Anticipated after 72 hours:	<b>Fire poses threat to approximately 1500 structures in the communities along and to the east of US Highway 395 including Spring Valley, Holbrook Highlands, Holbrook, Topaz Ranch Estates, and Topaz Lake are under threat from the fire;</b>

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<b>Communities along State Highways 88 and 89 including Markleeville, Grover Hot Spring, East Fork Resort, and Crystal Springs continue to be threatened; structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.</b>
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: 12 hours: <b>2-TFLD</b> 24 hours: <b>2-TFLD</b> 48 hours: <b>2-TFLD</b> 72 hours: <b>2-TFLD</b> Anticipated after 72 hours: <b>2-TFLD</b>
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. <b>Extreme fire behavior and inaccessible terrain makes direct containment of perimeter very difficult. Task Force Leaders critical to provide leadership and supervision to field personnel.</b>
41. Planned Actions for Next Operational Period: <b>Branch I - Hold fire south of China Spring. Secure Hwy 395 slopover. Secure structures along Hwy 395, Topaz Ranch Estates, and Topaz Lake.</b> <b>Branch II - Keep fire north of Highway 89, monitor pass between Hwy 395 and Hwy 4.</b> <b>Branch III - Hold fire south of Hwy 88. Secure structures in Crystal Springs. Hold fire east of Rocky Spine Ridge.</b> <b>Structure - Secure structures along Hwy 395, Spring Valley, and Holbrook.</b> <b>Night Operations - Patrol and secure structures along Hwy 88 and Hwy 395. Conduct firing operations as conditions allow (BR I and III).</b>
42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):
43. Anticipated Incident Containment or Completion Date: <b>08/31/2021</b>
44. Projected Significant Resource Demobilization Start Date:
45. Estimated Incident Costs to Date: <b>\$14,050,000.00</b>
46. Projected Final Incident Cost Estimate:
47. Remarks (or continuation of any blocks above – list block number in notation): <b>Acreege estimated from FireWatch flight: 1319 7/24/2021</b>
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):



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

48. Agency or Org		CR1	CR2	CR2IA	CRC	HEL1	HEL2	HEL3	ENG1	ENG3	ENG4	ENG6	DOZR	WTDT	WTDS	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	20	0	0	0	0	0	0	0	0	0	0	0	2	22
<b>BLM</b>	Rsrc	1	2	0	0	0	0	1	1	0	0	1	0	0	0		
	Pers	20	38	0	0	0	0	8	7	0	0	2	0	0	0	25	100
<b>FS</b>	Rsrc	7	0	1	1	2	2	1	0	2	1	1	0	0	0		
	Pers	145	0	20	8	2	24	8	0	8	5	4	0	0	0	91	315
<b>FWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>NPS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
<b>NWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>PRI</b>	Rsrc	0	2	0	0	2	0	1	0	1	0	6	1	5	11		
	Pers	0	40	0	0	2	0	1	0	3	0	17	4	8	13	0	88
<b>ST</b>	Rsrc	16	3	2	1	0	2	0	14	83	0	4	3	0	0		
	Pers	320	59	37	10	0	11	0	56	416	0	6	5	0	0	101	1021
<b>52. Total Resources</b>		<b>24</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>15</b>	<b>86</b>	<b>1</b>	<b>12</b>	<b>4</b>	<b>5</b>	<b>11</b>		<b>1557</b>

53. Additional Cooperating and Assisting Organizations Not Listed Above:  
**Alpine County, CA; Douglas County, NV; Washoe Tribe, CALFIRE, EPA, CalTrans, Nevada Department of Transportation, Liberty Electric, NV Energy.**

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>									
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Bill Hahnenberg, Deputy IC</b>	5. Incident Management Organization: <b>Type 1 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>								
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>66744 Acres</b>	8a. Percent (%) Contained or Completed: <b>27 %</b>  b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>	9. Incident Type: <b>Wildfire</b> B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:									
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10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex		11. Report Time Period: From Date/Time: <b>07/24/2021 1800 PDT</b> To Date/Time: <b>07/25/2021 1730 PDT</b>									
12. Prepared By: Print Name: <b>Nate Williamson</b>  Date/Time Prepared: <b>07/25/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Dan Dallas / Bill Hahnenberg</b>  Signature:									
14. Date/Time Submitted: <b>07/25/2021 1743 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>									
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>									
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27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack</a></b>											
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## Incident Status Summary (ICS-209)

Incident: **Tamarack**

**Fire is burning in mixed conifer, Pinyon Juniper and brush fuel types, with high rates of spread. Crowning, torching, and running fire behavior with short/ midrange spotting.**

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

**Timber (Grass and Understory)  
Chaparral (6 feet)  
Timber (Litter and Understory)**

Narrative:

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):

**Recommended evacuations in place west of Highway 395 including Spring Valley and Holbrook Highlands.**

**Douglas County has initiated preliminary damage assessments in the fire area.**

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	<b>300</b>	<b>2</b>	<b>9</b>
F. Multiple Residences	<b>0</b>	<b>0</b>	<b>0</b>
G. Mixed Commercial / Residential	<b>5</b>	<b>0</b>	<b>0</b>
H. Nonresidential Commercial Property	<b>75</b>	<b>0</b>	<b>1</b>
I. Other Minor Structures	<b>150</b>	<b>0</b>	<b>5</b>

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	<b>0</b>	<b>0</b>	<b>0</b>
E. With Injuries/Illness	<b>0</b>	<b>0</b>	<b>0</b>
F. Trapped/In Need of Rescue	<b>0</b>	<b>0</b>	<b>0</b>
G. Missing	<b>0</b>	<b>0</b>	<b>0</b>
H. Evacuated	<b>2,439</b>	<b>0</b>	<b>300</b>
I. Sheltering in Place	<b>0</b>	<b>0</b>	<b>0</b>
J. In Temporary Shelters	<b>0</b>	<b>0</b>	<b>0</b>
K. Have Received Mass Immunizations	<b>0</b>	<b>0</b>	<b>0</b>
L. Require Immunizations	<b>0</b>	<b>0</b>	<b>0</b>
M. In Quarantine	<b>0</b>	<b>0</b>	<b>0</b>
<b>N. Total # Civilians (Public) Affected:</b>	<b>2,439</b>	<b>0</b>	<b>300</b>

32. Responder Status Summary:

*C. Indicate the Number of Responders Below:*

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	<b>0</b>	<b>0</b>	<b>0</b>
E. With Injuries/Illness	<b>2</b>	<b>1</b>	<b>3</b>
F. Trapped/In Need of Rescue	<b>0</b>	<b>0</b>	<b>0</b>
G. Missing	<b>0</b>	<b>0</b>	<b>0</b>
H. Evacuated	<b>0</b>	<b>0</b>	<b>0</b>
I. Sheltering in Place	<b>0</b>	<b>0</b>	<b>0</b>
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L. Require Immunizations	<b>0</b>	<b>0</b>	<b>0</b>
M. In Quarantine	<b>0</b>	<b>0</b>	<b>0</b>
<b>N. Total # Responders Affected:</b>	<b>2</b>	<b>1</b>	<b>3</b>

33. Life, Safety, and Health Status/Threat Remarks:

**A firefighter suffered a minor injury that required stitches.**

**Road Closures include Highway 88 from the Nevada state line to Pickets Junction (residents may re-enter with proof of residency), State Route 89 from the junction of Highway 88 to Highway 395, State Route 4 from the junction of Statue Route 89 to Ebbett's Pass.**

**Area Closure: The Humboldt-Toiyabe National Forest has closed all areas, campgrounds, trails, and roads on the Carson Ranger District**

34. Life, Safety, and Health Threat Management:

	Active?
A. No Likely Threat	
B. Potential Future Threat	<b>X</b>
C. Mass Notifications in Progress	
D. Mass Notifications Completed	
E. No Evacuation(s) Imminent	



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<p><b>located within the boundaries of the Tamarack Fire.</b></p> <p><b>Smoke impacts: Smoke from the Dixie Fire arrived again last night and spread throughout the outlook area, but not as heavy as the previous night. Light winds will allow smoke to persist. Additional Dixie Fire smoke will arrive tonight, similar to last night. There is a chance of thunderstorms in the area today and the next few days. If gusty outflow winds occur from these storms, it could help move smoke out of the area of the storms.</b></p> <p><b>Evacuations have been lifted in the communities of Woodfords, Alpine Village, Crystal Springs, Grover Hot Springs, Shay Creek, Markleeville, Topaz Lake, and Topaz Lake Estates.</b></p> <p><b>Mandatory evacuations remain for the following areas: Blue Lakes Road, Upper and Lower Blue Lakes Campgrounds, State Route 4 from the State Route 89 junction to Ebbetts.</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 20%; text-align: center;">Active?</th> </tr> </thead> <tbody> <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 style="text-align: center;"><b>X</b></td></tr> <tr><td>I. Shelter-in-Place in Progress</td><td></td></tr> <tr><td>J. Repopulation in Progress</td><td style="text-align: center;"><b>X</b></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;"><b>X</b></td></tr> <tr><td>P. Trail Closure</td><td style="text-align: center;"><b>X</b></td></tr> <tr><td>Q. Area Closure</td><td style="text-align: center;"><b>X</b></td></tr> </tbody> </table>		Active?	F. Planning for Evacuation		G. Planning for Shelter-in-Place		H. Evacuation(s) in Progress	<b>X</b>	I. Shelter-in-Place in Progress		J. Repopulation in Progress	<b>X</b>	K. Mass Immunization in Progress		L. Mass Immunization Complete		M. Quarantine in Progress		N. Area Restriction in Effect		O. Road Closure	<b>X</b>	P. Trail Closure	<b>X</b>	Q. Area Closure	<b>X</b>
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<p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):</p> <p><b>Today's weather was mostly cloudy with scattered showers and thunderstorms. High Temps 79-89. Min RH 20%. Upslope 4-8 mph with gusty outflow winds over the fire area today with gusts up to 45 mph.</b></p> <p><b>Tonight-Clear with smoke. Min Temp 50-60. Max humidity around 45-55%. Localized downcanyon winds.</b></p> <p><b>Monday-Partly cloudy, becoming mostly cloudy with numerous thunderstorms and potential for heavy rains. High Temps 78-88. Min RH 25-35%. Upslope 4-8 mph with WSW 8-13 G20 in the afternoon and evening. HAINES 4</b></p>																											
<p>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:</p> <p>12 hours: <b>Active fire behavior. Primarily backing and flanking fire. Outflow winds from thunderstorms could cause erratic and extreme fire behavior.</b></p> <p>24 hours: <b>Continued active fire behavior. Fire spread is primarily backing and flanking to the south.</b></p> <p>48 hours: <b>Fire spread will be affected by a mosaic of fuels. Active fire spread with single tree and group torching possible.</b></p> <p>72 hours: <b>A slight cooling trend will have little effect on the fire in the absence of precipitation on the fire. Active fire spread is possible when in alignment</b></p> <p>Anticipated after 72 hours: <b>Cooling trend continues but will not substantially impact the fire without precipitation. Active fire spread still possible.</b></p>																											
<p>37. Strategic Objectives (define planned end-state for incident):</p> <p><b>1) Implement strategies and tactics that commit responders only to operations where and when they can be successful and under conditions where important values at risk are protected with the lowest possible risk.</b></p> <p><b>2) Minimize fire spread to the north toward HWY 88, the Washoe Indian Colony, and affected communities; to the west toward the West Fork of the Carson River; east of HWY 395; and to the south toward the Eldorado National Forest.</b></p>																											

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

- 3) Reduce the threat to Markleeville, the Washoe Indian Colony, the Woodfords and surrounding communities, private land and facilities; communication infrastructure, and transportation and utility infrastructure.**
- 4) Minimize the potential for high severity fire effects on watersheds, wildlife, fisheries, and natural and cultural resources on National Forest, Bureau of Land Management, and Bureau of Indian Affairs Western Nevada Agency administered public lands.**
- 5) Provide timely and accurate information to the Agency Administrators, Cooperators, Stakeholders, media, and the public.**
- 6) Maintain and enhance relationships with adjoining agencies, cooperators, stakeholders, permittees, and local communities.**
- 7) Develop strategies and tactics that are cost effective and do not unnecessarily increase risk to firefighters or reduce the likelihood of success.**

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:

- 12 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- 24 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- 48 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- 72 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- Anticipated after 72 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**

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:

- 12 hours: **1-HLCO**
- 24 hours: **1-HLCO**
- 48 hours: **1-HLCO**
- 72 hours: **1-HLCO**

Anticipated after 72 hours:

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,



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

3) anticipated results.  
 Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.  
**Helicopter Coordinator needed to assist with management of incident airspace.**

41. Planned Actions for Next Operational Period:  
**Branch I - Hold fire south of China Spring. Secure Hwy 395 slopover. Secure structures along Hwy 395, Topaz Ranch Estates, and Topaz Lake.**

**Branch II - Keep fire north of Highway 89, monitor pass between Hwy 395 and Hwy 4.**

**Branch III - Hold fire south of Hwy 88. Secure structures in Crystal Springs. Hold fire east of Rocky Spine Ridge.**

**Structure - Secure structures along Hwy 395, Spring Valley, and Holbrook.**

**Night Operations - Patrol and secure structures along Hwy 88 and Hwy 395. Conduct firing operations as conditions allow (BR I and III).**

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: **\$15,850,000.00**

46. Projected Final Incident Cost Estimate:

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

**Acres estimated from FireWatch flight: 1319 7/24/2021**

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	ENG1	ENG3	ENG4	ENG6	DOZR	WTDT	WTDS	MAST	50. Ovhd	51. Tot Pers
		Rsrc	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
BIA	Pers	20	0	0	8	0	0	0	0	0	0	0	0	0	0	0	2	30
BLM	Rsrc	2	2	0	0	0	0	0	0	1	0	0	0	0	0	0		
	Pers	40	38	0	0	0	0	0	0	7	0	0	0	0	0	0	27	112
FS	Rsrc	7	0	1	1	0	0	0	0	2	2	1	0	0	0	0		
	Pers	145	0	20	8	0	0	0	0	8	11	4	0	0	0	0	96	292
FWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
NPS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
NWS	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
PRI	Rsrc	0	2	0	0	4	4	3	0	1	3	6	2	6	11	0		
	Pers	0	40	0	0	4	13	12	0	3	9	17	6	9	13	0	6	132
ST	Rsrc	16	3	2	1	0	0	0	9	88	0	8	3	0	3	3		
	Pers	320	59	37	10	0	0	0	36	441	0	22	5	0	5	6	105	1046



## Incident Status Summary (ICS-209)

Incident: **Tamarack**

<b>52. Total Resources</b>	<b>26</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>9</b>	<b>92</b>	<b>5</b>	<b>15</b>	<b>5</b>	<b>6</b>	<b>14</b>	<b>3</b>		<b>1623</b>
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53. Additional Cooperating and Assisting Organizations Not Listed Above:  
**Alpine County, CA; Douglas County, NV; Washoe Tribe, CALFIRE, EPA, CalTrans, Nevada Department of Transportation, Liberty Electric, NV Energy.**

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

1. Incident Name: <b>Tamarack</b>		2. Incident Number: <b>NV-HTF-030419</b>	
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: <b>Dan Dallas, IC</b> <b>Bill Hahnenberg, Deputy IC</b>	5. Incident Management Organization: <b>Type 1 Team</b>	6. Incident Start Date/Time: Date: <b>07/04/2021</b> Time: <b>1157 PDT</b>
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>66744 Acres</b>	8a. Percent (%) Contained or Completed: <b>27 %</b>  b. Total Percentage (%) of Perimeter that will be Contained or Completed: <b>100 %</b>	9. Incident Type: <b>Wildfire</b>	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single Complex
		B. Incident Description: C. Cause: <b>Undetermined</b> D. Fire Suppression Strategy:	
		Strategy	Percent (%)
		<b>Monitor</b>	
		<b>Confine</b>	
		<b>Point Zone Protection</b>	
		<b>Full Suppression</b>	<b>100</b>
11. Report Time Period: From Date/Time: <b>07/24/2021 1800 PDT</b> To Date/Time: <b>07/25/2021 1730 PDT</b>			
12. Prepared By: Print Name: <b>Nate Williamson</b>  Date/Time Prepared: <b>07/25/2021 1730 PDT</b>		13. Approved By: Print Name: <b>Dan Dallas / Bill Hahnenberg</b>  Signature:	
14. Date/Time Submitted: <b>07/25/2021 1743 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>GBCC</b>	
16. State: <b>NV</b>	17. County / Parish / Borough: <b>Alpine</b>	18. City: <b>Markleeville</b>	
19. Unit or Other:	20. Incident Jurisdiction: <b>NV-HTF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>NV-HTF</b>	
22. Latitude/Longitude: Latitude: <b>38° 37' 40"</b> Longitude: <b>119° 51' 25"</b>	23. US National Grid Reference: Grid Zone: x-Coordinate: y-Coordinate:	24. Legal Description: Principal Meridian: Township:      Range:      Section: 1/4 Sec: of 1/4 Sec:	
25. Short Location or Area Description (list all affected areas or a reference point): <b>16 Miles south of Gardnerville, NV</b>		26. UTM Coordinates: Zone:      Easting: Northing:	
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): <b><a href="https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack">https://ftp.wildfire.gov/public/incident_specific_data/great_basin/2021_Incidents/2021_Tamarack</a></b>			
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):  <b>Active</b> <b>Crowning</b> <b>Short Crown Runs</b> <b>Uphill Runs</b>  Narrative:			

## Incident Status Summary (ICS-209)

Incident: **Tamarack**

**Fire is burning in mixed conifer, Pinyon Juniper and brush fuel types, with high rates of spread. Crowning, torching, and running fire behavior with short/ midrange spotting.**

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

**Timber (Grass and Understory)  
Chaparral (6 feet)  
Timber (Litter and Understory)**

Narrative:

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):

**Recommended evacuations in place west of Highway 395 including Spring Valley and Holbrook Highlands.**

**Douglas County has initiated preliminary damage assessments in the fire area.**

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	Active?																										
F. Planning for Evacuation																											
G. Planning for Shelter-in-Place																											
H. Evacuation(s) in Progress	<b>X</b>																										
I. Shelter-in-Place in Progress																											
J. Repopulation in Progress	<b>X</b>																										
K. Mass Immunization in Progress																											
L. Mass Immunization Complete																											
M. Quarantine in Progress																											
N. Area Restriction in Effect																											
O. Road Closure	<b>X</b>																										
P. Trail Closure	<b>X</b>																										
Q. Area Closure	<b>X</b>																										
<p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):</p> <p><b>Today's weather was mostly cloudy with scattered showers and thunderstorms. High Temps 79-89. Min RH 20%. Upslope 4-8 mph with gusty outflow winds over the fire area today with gusts up to 45 mph.</b></p> <p><b>Tonight-Clear with smoke. Min Temp 50-60. Max humidity around 45-55%. Localized downcanyon winds.</b></p> <p><b>Monday-Partly cloudy, becoming mostly cloudy with numerous thunderstorms and potential for heavy rains. High Temps 78-88. Min RH 25-35%. Upslope 4-8 mph with WSW 8-13 G20 in the afternoon and evening. HAINES 4</b></p>																											
<p>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:</p> <p>12 hours: <b>Active fire behavior. Primarily backing and flanking fire. Outflow winds from thunderstorms could cause erratic and extreme fire behavior.</b></p> <p>24 hours: <b>Continued active fire behavior. Fire spread is primarily backing and flanking to the south.</b></p> <p>48 hours: <b>Fire spread will be affected by a mosaic of fuels. Active fire spread with single tree and group torching possible.</b></p> <p>72 hours: <b>A slight cooling trend will have little effect on the fire in the absence of precipitation on the fire. Active fire spread is possible when in alignment</b></p> <p>Anticipated after 72 hours: <b>Cooling trend continues but will not substantially impact the fire without precipitation. Active fire spread still possible.</b></p>																											
<p>37. Strategic Objectives (define planned end-state for incident):</p> <p><b>1) Implement strategies and tactics that commit responders only to operations where and when they can be successful and under conditions where important values at risk are protected with the lowest possible risk.</b></p> <p><b>2) Minimize fire spread to the north toward HWY 88, the Washoe Indian Colony, and affected communities; to the west toward the West Fork of the Carson River; east of HWY 395; and to the south toward the Eldorado National Forest.</b></p>																											

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- 3) Reduce the threat to Markleeville, the Washoe Indian Colony, the Woodfords and surrounding communities, private land and facilities; communication infrastructure, and transportation and utility infrastructure.**
- 4) Minimize the potential for high severity fire effects on watersheds, wildlife, fisheries, and natural and cultural resources on National Forest, Bureau of Land Management, and Bureau of Indian Affairs Western Nevada Agency administered public lands.**
- 5) Provide timely and accurate information to the Agency Administrators, Cooperators, Stakeholders, media, and the public.**
- 6) Maintain and enhance relationships with adjoining agencies, cooperators, stakeholders, permittees, and local communities.**
- 7) Develop strategies and tactics that are cost effective and do not unnecessarily increase risk to firefighters or reduce the likelihood of success.**

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:

- 12 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- 24 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- 48 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- 72 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**
- Anticipated after 72 hours: **Fire poses threat to the communities along US Highway 395 including Spring Valley and Holbrook Highlands. Structure protection continues to be implemented in these locations. Other values at risk include municipal watersheds, power distribution lines, the Pacific Crest Trail.**

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:

- 12 hours: **1-HLCO**
- 24 hours: **1-HLCO**
- 48 hours: **1-HLCO**
- 72 hours: **1-HLCO**

Anticipated after 72 hours:

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,



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3) anticipated results.  
 Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.  
**Helicopter Coordinator needed to assist with management of incident airspace.**

41. Planned Actions for Next Operational Period:  
**Branch I - Hold fire south of China Spring. Secure Hwy 395 slopover. Secure structures along Hwy 395, Topaz Ranch Estates, and Topaz Lake.**  
**Branch II - Keep fire north of Highway 89, monitor pass between Hwy 395 and Hwy 4.**  
**Branch III - Hold fire south of Hwy 88. Secure structures in Crystal Springs. Hold fire east of Rocky Spine Ridge.**  
**Structure - Secure structures along Hwy 395, Spring Valley, and Holbrook.**  
**Night Operations - Patrol and secure structures along Hwy 88 and Hwy 395. Conduct firing operations as conditions allow (BR I and III).**

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: **\$15,850,000.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):  
**Acresage estimated from FireWatch flight: 1319 7/24/2021**

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	ENG1	ENG3	ENG4	ENG6	DOZR	WTDT	WTDS	MAST	50. Ovhd	51. Tot Pers
<b>BIA</b>	Rsrc	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
	Pers	20	0	0	8	0	0	0	0	0	0	0	0	0	0	0	2	30
<b>BLM</b>	Rsrc	2	2	0	0	0	0	0	0	1	0	0	0	0	0	0		
	Pers	40	38	0	0	0	0	0	0	7	0	0	0	0	0	0	27	112
<b>FS</b>	Rsrc	7	0	1	1	0	0	0	0	2	2	1	0	0	0	0		
	Pers	145	0	20	8	0	0	0	0	8	11	4	0	0	0	0	96	292
<b>FWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
<b>NPS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
<b>NWS</b>	Rsrc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Pers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
<b>PRI</b>	Rsrc	0	2	0	0	4	4	3	0	1	3	6	2	6	11	0		
	Pers	0	40	0	0	4	13	12	0	3	9	17	6	9	13	0	6	132
<b>ST</b>	Rsrc	16	3	2	1	0	0	0	9	88	0	8	3	0	3	3		
	Pers	320	59	37	10	0	0	0	36	441	0	22	5	0	5	6	105	1046



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<b>52. Total Resources</b>	<b>26</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>9</b>	<b>92</b>	<b>5</b>	<b>15</b>	<b>5</b>	<b>6</b>	<b>14</b>	<b>3</b>		<b>1623</b>
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53. Additional Cooperating and Assisting Organizations Not Listed Above:  
**Alpine County, CA; Douglas County, NV; Washoe Tribe, CALFIRE, EPA, CalTrans, Nevada Department of Transportation, Liberty Electric, NV Energy.**