

Incident Status Summary (ICS-209)

Incident: **RADFORD**

1. Incident Name: RADFORD		2. Incident Number: CA-BDF-012958												
3. Report Version (check one box): Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization: Chris Fogle-FS IC Scott Tuttle-SBC Fire Mike Maltby-Big Bear Fire Tim Nichols-SBC SO	5. Incident Management Organization: Type 2 Team <input checked="" type="checkbox"/> Unified Command	6. Incident Start Date/Time: Date: 09/05/2022 Time: 1330 PDT											
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): 1088 Acres	8a. Percent (%) Contained or Completed: 40 %	9. Incident Type: Wildfire	10. Incident Complexity Level: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Complex CIIMT11 (Fogle)	11. Report Time Period: From Date/Time: 09/08/2022 0600 PDT To Date/Time: 09/08/2022 1600 PDT										
	8b. Total Percentage (%) of Perimeter that will be Contained or Completed: 100 %	9. Incident Description: B. Incident Description: C. Cause: Undetermined D. Fire Suppression Strategy:												
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Strategy</th> <th style="width: 50%;">Percent (%)</th> </tr> </thead> <tbody> <tr> <td>Monitor</td> <td></td> </tr> <tr> <td>Confine</td> <td></td> </tr> <tr> <td>Point Zone Protection</td> <td></td> </tr> <tr> <td>Full Suppression</td> <td style="text-align: center;">100</td> </tr> </tbody> </table>	Strategy	Percent (%)	Monitor		Confine		Point Zone Protection		Full Suppression	100		
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12. Prepared By: Print Name: Chris Brenzel Date/Time Prepared: 09/08/2022 1600 PDT		13. Approved By: Print Name: James Cortright Signature: _____												
14. Date/Time Submitted: 09/08/2022 1819 PDT		15. Primary Location, Organization, or Agency Sent To: CA-FICC												
16. State: CA	17. County / Parish / Borough: San Bernardino	18. City: Big Bear / Seven Oaks												
19. Unit or Other:	20. Incident Jurisdiction: CA-BDF	21. Incident Location Ownership (if different than jurisdiction): CA-BDF												
22. Latitude/Longitude: Latitude: 34° 11' 5" Longitude: 116° 55' 5"	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): Santa Anna River Drainage, Snow Summit Ski Resort, Big Bear City			26. UTM Coordinates: Zone: Easting: Northing:											
27. Note any geospatial data available (indicate data format, content, and collection time information and labels): https://ftp.wildfire.gov/public/incident_specific_data/calif_s/!2022_Incidents/CA-BDF-012958_Radford/														
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):														

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**Moderate
Backing
Creeping
Smoldering**

Narrative:
The fire activity has been reduced due to rain showers over the fire area.

Branch I Divs. E: There continues to be a concentration of heat in heavy dead and down fuels in the northwest corner of this division that has potential to spread under strong winds. Divs. M & S have experience a marked reduction in activity.

Branch V - Div. A & Z: These divisions have a higher Oak and brush component

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

**Timber (Litter and Understory)
Chaparral (6 feet)
Brush (2 feet)**

Narrative:
Fuels in the area are Timber and mixed brush with no significant fire history. There is significant heavy ground fuels due to lack of fire history and beetle kill from the early 2000s. Most fuel indices are considered at average levels for this time of year but those indices are slowly climbing due to the persistent high pressure system producing record heat in the area.

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):

Although the threat has been greatly reduced due to favorable weather and hard work by the crews, the above listed structures will remain threatened until forecasted rain falls over the fire area.

Five large organizational Camps (Camp Radford, Camp Wasewagon, Camp Alandale, Camp Arbolado, and Camp Riverglen) all with numerous buildings and associated infrastructure are threatened by the fire. An additional 12 organizational camps are south of the 39 and have a delayed threat. Large number of recreational residence tracts continue to be threatened by the fire. Areas of high density housing including single family dwellings and condominiums surround the ski areas with a high likelihood of impacts from the fire.

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	302	0	0
F. Multiple Residences	10	0	0
G. Mixed Commercial / Residential	20	0	0
H. Nonresidential Commercial Property	25	0	0
I. Other Minor Structures	50	0	0

<p>31. Public Status Summary: <i>C. Indicate the Number of Civilians (Public) Below:</i></p>	<p>32. Responder Status Summary: <i>C. Indicate the Number of Responders Below:</i></p>
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	Previous Report Total	A. # this Reporting Period	B. Total # to-date		Previous Report Total	A. # this Reporting Period	B. Total # to-date
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	200	-200	0	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
N. Total # Civilians (Public) Affected:	200	-200	0	N. Total # Responders Affected:	0		0

<p>33. Life, Safety, and Health Status/Threat Remarks: Fire continues to threaten firefighters and the public but favorable weather conditions have helped to mitigate some of the hazards. There will continue to be a threat until the area receives the forecasted rainfall within the next 24-48 hours. Road closures exist around the burn area limiting access. Threat for severe weather impacting the area first with east winds gusting to 50mph and then heavy localized rainfall that could cause flooding and road damage.</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%;">Active?</th> </tr> </thead> <tbody> <tr><td>A. No Likely Threat</td><td></td></tr> <tr><td>B. Potential Future Threat</td><td style="text-align: center;">X</td></tr> <tr><td>C. Mass Notifications in Progress</td><td></td></tr> <tr><td>D. Mass Notifications Completed</td><td style="text-align: center;">X</td></tr> <tr><td>E. No Evacuation(s) Imminent</td><td></td></tr> <tr><td>F. Planning for Evacuation</td><td></td></tr> <tr><td>G. Planning for Shelter-in-Place</td><td></td></tr> <tr><td>H. Evacuation(s) in Progress</td><td></td></tr> <tr><td>I. Shelter-in-Place in Progress</td><td></td></tr> <tr><td>J. Repopulation in Progress</td><td style="text-align: center;">X</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 style="text-align: center;">X</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 style="text-align: center;">X</td></tr> </tbody> </table>		Active?	A. No Likely Threat		B. Potential Future Threat	X	C. Mass Notifications in Progress		D. Mass Notifications Completed	X	E. No Evacuation(s) Imminent		F. Planning for Evacuation		G. Planning for Shelter-in-Place		H. Evacuation(s) in Progress		I. Shelter-in-Place in Progress		J. Repopulation in Progress	X	K. Mass Immunization in Progress		L. Mass Immunization Complete		M. Quarantine in Progress		N. Area Restriction in Effect	X	O. Road Closure	X	P. Trail Closure	X	Q. Area Closure	X
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<p>35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern): Hurricane Kay will bring a variety of weather hazards over the fire through the weekend. Increasing cloud cover has allowed for cooler temperatures and higher humidity along with scattered showers and thunderstorms. Temperatures will max out in the upper 60s on Friday. Increasing E/SE winds Friday morning will lead to gusts near 50mph in the higher terrain thru mid-afternoon Friday as Hurricane Kay approaches SW of San Diego. Showers and thunderstorms training over the burn area will increase Friday afternoon and lead to potential flash flooding and debris flows over burned terrain. Showers will continue into Saturday before diminishing on Sunday. Cooler temperatures with diurnal wind patterns will return late Sunday and Monday. A Flash Flood Watch is in effect of the fire area through Saturday evening.</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: 12 hours: Fire behavior will be minimal overnight. 24 hours: Predicted strong easterly winds will impact the fire area and have the potential to bring to life remaining areas of heat in the timbered areas of the fire. Any flare-ups could cause spread to the west, especially from the northwest corner of the fire.</p>
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48 hours:	Fire activity is expected to be minimal due to predicted precipitation in the area.
72 hours:	Fire activity is expected to be minimal due to predicted precipitation in the area.
Anticipated after 72 hours:	By Sunday, we should see more sun, but moisture levels will remain excessive, so if we get some heating, thunderstorms with intense downpours will become a flash flood threat, focused near the mountains, but they could also occur at lower elevations. Kay is forecast to quickly weaken to a remnant low southwest of Diego as subtropical moisture continues to spread over the region into early next week, maintaining a threat for scattered showers and thunderstorms.

37. Strategic Objectives (define planned end-state for incident):
<p>Keep the fire north of State Route 38 to prevent the fire from spreading into the San Gorgonio Wilderness and recreation facilities.</p> <p>Keep the fire south of Forest System Road 2N10(E) to protect Big Bear Lake and Big Bear City.</p> <p>Keep the fire east of Clarks Grade to protect the Bear Creek watershed and Snow Valley ski resort.</p> <p>Keep the fire west of Forest System Road 2N93 and State Route 38 to protect the Santa Ana River watershed and the communities of Erwin Ranch, Lake Williams, Burns Canyon, and Rim Rock.</p> <p>Safety for firefighters and the public through hazard recognition and application of the risk management process. Protect property, both public and private, including the following areas: Communities of Big Bear, Big Bear Lake, Baldwin Lake, Moonridge, Sugarloaf, and Boulder Bay. California Spotted Owl PACs, cultural resources, Wilderness Areas, Class 1 airsheds and heritage resources. Mitigate the spread of Covid-19 using best practices precautions. Integrate with cooperating agencies. This is a full suppression incident and the incident will use roads, ridges, and fuels treatment areas as holding opportunities to keep the fires as small as possible.</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:	
12 hours:	Evacuation orders have been downgraded to warnings, warnings are in place for segments of the Big Bear Community and surrounding areas due to the incoming inclement weather concerns. Overall impact to the Big Bear Community and HWY 38 Corridor. Moderated Fire growth due to favorable weather conditions. Expect to increase the containment percentage.
24 hours:	Incoming Inclement weather may adversely impact the fire containment lines. Maintain fire containment and seek out additional opportunities to ensure fire line containment. Possibility of additional evacuation orders.
48 hours:	Weather concerns, wind, rain, flooding. Maintaining fire containment lines. Assisting with flood control and containment.
72 hours:	Weather Concerns, wind, rain, flooding. Managing and Maintaining fire line containment. Assisting with flood control and containment. Possibility of lingering rain showers.
Anticipated after 72 hours:	Fire area should see cooler conditions after the weekend with lingering chance of thunderstorms.

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:	
24 hours:	
48 hours:	
72 hours:	
Anticipated after 72 hours:	

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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.

Overall strategy is to go direct where possible and limit the overall fire footprint. Resource orders are commensurate with direct and indirect containment methods. Anticipation of diminishing fire effects, however weather conditions may adversely affect the overall foreground containment strategies. Steep rugged terrain, High temperatures, with weather forecasts showing the probability of rain and wind which will affect the operational strategies. Avoidance and other sensitive areas impact the ability to utilize closest attack methods. Local technical specialists will assess cultural resource sites if possible, prior to engagement, and in the planning process to identify categories of archaeological sites, and recommend appropriate level of protection. Fire managers will consult with archaeological resources advisors assigned to the incident to minimize direct and indirect impacts. Numerous threatened and endangered plants as well as designated Critical Habitat occur from Bear Mountain east to Sugarloaf Mountain. Additional areas of Critical Habitat occur in meadow habitat west of the fire. Protect property, improvements, and infrastructure on the private lands adjacent to the forest. Incident overhead will strive to develop and maintain relationships with the cooperators and stakeholders while working toward the continued improvement of those relationships. The Sugarloaf Inventoried Roadless Area is east of the fire at Staircase Canyon continuing east along the ridge of Bear Mountain and Sugarloaf Mountain. Creation of dozer lines is not authorized within the IRA without appropriate approvals.

41. Planned Actions for Next Operational Period:

Resources will continue to go direct on the fire taking advantage of the favorable weather conditions. Crews and engines on the ground will continue to be supported by aircraft as needed. Additional crews and engines will continue to strengthen control lines and mop up to further secure control lines.

42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"): **1,200**

43. Anticipated Incident Containment or Completion Date: **09/30/2022**

44. Projected Significant Resource Demobilization Start Date: **09/14/2022**

45. Estimated Incident Costs to Date: **\$3,200,000.00**

46. Projected Final Incident Cost Estimate: **\$10,000,000.00**

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

Incident is in Unified Command with San Bernardino County fire, San Bernardino County Sheriffs, San Bernardino National Forest and Big Bear Fire Department. ICP for the incident will be moving from Yucaipa Regional Park to Bear Mountain to allow for better access and firefighter safety due to shorter drive times.

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	HEL2	ENG3	ENG6	DOZR	ASM	FWAT	WTDT	WTDS	50. Ovhd	51. Tot Pers
		BIA	Rsrc	1	0	1	0	0	0	0	0	0		
	Pers	21	0	21	0	0	0	0	0	0	0	0	2	44
BLM	Rsrc	0	0	0	0	4	0	0	0	0	0	0		
	Pers	0	0	0	0	20	0	0	0	0	0	0	2	22
C&L	Rsrc	0	0	2	0	5	4	1	0	0	6	0		

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C&L	Pers	0	0	30	0	18	12	2	0	0	12	0	25	99
CA-CDF	Rsrc	4	0	0	1	5	0	1	0	0	0	0		
	Pers	72	0	0	10	20	0	2	0	0	0	0	0	104
FDF	Rsrc	0	0	1	0	0	0	0	0	0	0	0		
	Pers	0	0	20	0	0	0	0	0	0	0	0	0	20
FS	Rsrc	5	1	0	4	22	4	0	5	1	2	0		
	Pers	100	20	0	18	110	16	0	10	2	4	0	51	331
PRI	Rsrc	0	0	0	0	0	0	5	0	0	0	2		
	Pers	0	0	0	0	0	0	10	0	0	0	2	0	12
52. Total Resources		10	1	4	5	36	8	7	5	1	8	2		632

53. Additional Cooperating and Assisting Organizations Not Listed Above:
Caltrans, California Highway Patrol.