

## Incident Status Summary (ICS-209)

Incident: **RADFORD**

1. Incident Name: <b>RADFORD</b>		2. Incident Number: <b>CA-BDF-012958</b>									
3. Report Version (check one box):  Initial <input checked="" type="checkbox"/> Update Final	4. Incident Commander(s) & Agency or Organization:  <b>Chris Fogle IC</b> <b>Scott Tuttle (SBC IC)</b> <b>Dave Clifford (LE)</b>	5. Incident Management Organization:  <b>Type 2 Team</b>  <input checked="" type="checkbox"/> Unified Command	6. Incident Start Date/Time: Date: <b>09/05/2022</b> Time: <b>1330 PDT</b>								
7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"): <b>1100 Acres</b>	8a. Percent (%) Contained or Completed: <b>2 %</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>CIIMT11 (Fogle)</b>	11. Report Time Period: From Date/Time: <b>09/07/2022 1800 PDT</b> To Date/Time: <b>09/08/2022 0500 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>	
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12. Prepared By: Print Name: <b>Chris Brenzel</b>  Date/Time Prepared: <b>09/08/2022 0400 PDT</b>		13. Approved By: Print Name: <b>James Courtright</b>  Signature: _____									
14. Date/Time Submitted: <b>09/08/2022 0610 PDT</b>		15. Primary Location, Organization, or Agency Sent To: <b>CA-FICC</b>									
16. State: <b>CA</b>	17. County / Parish / Borough: <b>San Bernardino</b>	18. City: <b>Big Bear / Seven Oaks</b>									
19. Unit or Other:	20. Incident Jurisdiction: <b>CA-BDF</b>	21. Incident Location Ownership (if different than jurisdiction): <b>CA-BDF</b>									
22. Latitude/Longitude: Latitude: <b>34° 11' 5"</b> Longitude: <b>116° 55' 5"</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>Santa Anna River Drainage, Snow Summit Ski Resort, Big Bear City</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/calif_s/!2022_Incidents/CA-BDF-012958_Radford/">https://ftp.wildfire.gov/public/incident_specific_data/calif_s/!2022_Incidents/CA-BDF-012958_Radford/</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>Moderate</b>											

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**Backing**  
**Single Tree Torching**  
**Short-range Spotting**

Narrative:  
**Overall fire activity was moderate through the night with only minimal growth. Fire continues to burn in the understory with only limited torching or uphill runs.**

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.**

<p>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):</p> <p><b>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.</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">A. Structural Summary</th> <th style="width: 33%;">B. # Threatened (up to 72 hrs)</th> <th style="width: 17%;">C. # Damaged</th> <th style="width: 17%;">D. # Destroyed</th> </tr> </thead> <tbody> <tr> <td>E. Single Residences</td> <td style="text-align: right;"><b>302</b></td> <td style="text-align: right;"><b>0</b></td> <td style="text-align: right;"><b>0</b></td> </tr> <tr> <td>F. Multiple Residences</td> <td style="text-align: right;"><b>10</b></td> <td style="text-align: right;"><b>0</b></td> <td style="text-align: right;"><b>0</b></td> </tr> <tr> <td>G. Mixed Commercial / Residential</td> <td style="text-align: right;"><b>20</b></td> <td style="text-align: right;"><b>0</b></td> <td style="text-align: right;"><b>0</b></td> </tr> <tr> <td>H. Nonresidential Commercial Property</td> <td style="text-align: right;"><b>25</b></td> <td style="text-align: right;"><b>0</b></td> <td style="text-align: right;"><b>0</b></td> </tr> <tr> <td>I. Other Minor Structures</td> <td style="text-align: right;"><b>50</b></td> <td style="text-align: right;"><b>0</b></td> <td style="text-align: right;"><b>0</b></td> </tr> </tbody> </table>	A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed	E. Single Residences	<b>302</b>	<b>0</b>	<b>0</b>	F. Multiple Residences	<b>10</b>	<b>0</b>	<b>0</b>	G. Mixed Commercial / Residential	<b>20</b>	<b>0</b>	<b>0</b>	H. Nonresidential Commercial Property	<b>25</b>	<b>0</b>	<b>0</b>	I. Other Minor Structures	<b>50</b>	<b>0</b>	<b>0</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	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	0	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

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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>200</b>	<b>0</b>	<b>200</b>	<b>N. Total # Responders Affected:</b>	<b>0</b>		<b>0</b>

<p>33. Life, Safety, and Health Status/Threat Remarks:  <b>Smoke will continue to affect the health of firefighters and the public. Air quality in Big Bear City remained very unhealthy. The air quality monitor near Big Bear City measured the AQI near 300. The fires continue to threaten Hwy 38, a major east west transportation route. Long drive times combined with steep dirt roads and smoke inversions could delay emergency transport or evacuation. 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.</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: 85%;"></th> <th style="width: 15%;">Active?</th> </tr> </thead> <tbody> <tr><td>A. No Likely Threat</td><td></td></tr> <tr><td>B. Potential Future Threat</td><td style="text-align: center;">X</td></tr> <tr><td>C. Mass Notifications in Progress</td><td></td></tr> <tr><td>D. Mass Notifications Completed</td><td></td></tr> <tr><td>E. No Evacuation(s) Imminent</td><td></td></tr> <tr><td>F. Planning for Evacuation</td><td 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></td></tr> <tr><td>I. Shelter-in-Place in Progress</td><td style="text-align: center;">X</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 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		E. No Evacuation(s) Imminent		F. Planning for Evacuation	X	G. Planning for Shelter-in-Place	X	H. Evacuation(s) in Progress		I. Shelter-in-Place in Progress	X	J. Repopulation in Progress		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):  <b>Hurricane Kay is currently around 200 miles W of Cabo San Lucas and should reach a point about 130 miles southwest of San Diego Saturday morning as a weakening tropical storm. The current NHC track forecast is having Kay move west once it reaches about 31.5 deg N and eventually southwest as a tropical depression around Sunday. The impacts here will include the strong east winds which will be enhanced by the mountains--in fact, the local WRF has a mountain wave as strong east winds in the 850-700 MB interact with a bit of a stable layer above that and the mountain crest and result in wind gusts likely over 70 MPH in parts of San Diego County, especially the mountains Friday and across San Diego and Riverside Counties. The Friday scenario looks more likely with more uncertainty for Saturday winds. Coastal areas could have gusts over 50 MPH but uncertainty is still high, and these winds could be local. Due to the easterly flow and a very warm profile, there could be major heat near the coast Friday, even though it should be a little cooler in the mountains and deserts then. This easterly wind will bring the downsloping which could result in very high daytime and nighttime temperatures Thursday night, Friday and/or Friday night. Increasing precipitable water aloft could amplify the nighttime temperatures due to the blanketing effect from clouds or even just the moisture without the clouds, so this could be similar to the nocturnal heat last Saturday night with lows over 80 possible in some near-coastal areas Thursday night, but that is not a certainty yet. Friday night is a little less likely to have very high lows as rainfall could offset the offshore flow and warm profile. Of course, flooding could be a threat with heavy rain, which could be in the 2-4</b></p>																																					

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<p><b>inch range from the mountains east into the deserts, with locally greater amounts possible. Heavy rain is most likely late Friday through Saturday, but lingering moisture, especially if Kay remains nearby, could bring more rain Sunday. With so much easterly flow, heavy rain is looking less likely west of the mountains, but enough moisture aloft could still result in periodic showers there.</b></p>	
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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>	
12 hours:	<p><b>Fire behavior could rapidly increase later in the shift as the first impacts of Tropical Depression Kay begin to arrive. Expecting very hot and dry temperatures with the possibility of moderate to strong east winds. With the adverse conditions the fire could burn quickly to the west and impact additional communities and set up to burn back towards Big Bear when the onshore flow returns.</b></p>
24 hours:	<p><b>The fire will continue to grow towards the west with short range spotting causing north with a continued threat to the Big Bear area. Flanking and backing fire will slowly continue to the east and south with rollout and short-range spotting. Additional strong winds and high temperatures will impact the fire area leading to the possibility of large fire growth. Predicted strong East winds will push fire to the west into the Hamilton Creek drainage allowing for more uphill runs toward the Big Bear area. Further spread to the south and east with move toward the Seven Oaks area. Forecasted east winds could reach 50mph over the incident.</b></p>
48 hours:	<p><b>Predicted widespread rainfall should moderate fire behavior and mitigate spread into critical areas.</b></p>
72 hours:	<p><b>Additional scattered rainfall should moderate fire behavior and mitigate spread into critical areas.</b></p>
Anticipated after 72 hours:	<p><b>Since there will be a lot of clouds, heating should be subdued on Friday and Saturday, and much of the rain could be more stratiform and showery, instead of the typical thunderstorms we see during the Monsoon. Given the E-SE wind flow, the best chance for orographic rain accumulations will be in the mountains, and on the desert slopes. Estimating amounts will be of more value in another day or so as we build confidence on the track and timing of Kay. 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.</b></p>

<p>37. Strategic Objectives (define planned end-state for incident):</p> <p><b>Keep the fire north of State Route 38 to prevent the fire from spreading into the San Gorgonio Wilderness and recreation facilities.</b></p> <p><b>Keep the fire south of Forest System Road 2N10(E) to protect Big Bear Lake and Big Bear City.</b></p> <p><b>Keep the fire east of Clarks Grade to protect the Bear Creek watershed and Snow Valley ski resort.</b></p> <p><b>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.</b></p> <p><b>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</b></p>
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<b>suppression incident and the incident will use roads, ridges, and fuels treatment areas as holding opportunities to keep the fires as small as possible.</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 economic or cascading impacts:	
12 hours:	<b>Evacuation orders are in place for a small segment of the Big Bear Community including Pine Knot south to Skyline Road, and Knickerbocker west to Castle Rock. Overall impacts will be to the community of Big Bear and the Hwy 38 corridor. Fire Directly impact Snow Summit and Bear Mountain ski resorts and the related infrastructure, damage to these facilities could dramatically impact the local economy. Fire will continue to burn downslope and threaten communities along the shores of Big Bear Lake. Numerous organizational camps along the Santa Anna river drainage. Recreational residences and scattered communities are also threatened.</b>
24 hours:	<b>Possibility of additional evacuations with fire growth to the North of Snow Summit.</b>
48 hours:	<b>Adverse winds could impact the fire during the next 48hrs. There is the potential for strong dry east winds up to 50mph to surface over the fire area which could push the fire west into more difficult terrain and further threaten communities along the Lake and infrastructure. This activity could cause additional evacuations.</b>
72 hours:	<b>Chance for strong winds with wetting rains. There could be impacts to travel routes from the heavy localized rain.</b>
Anticipated after 72 hours: <b>Fire area should see cooler drier conditions after the weekend.</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>6- Type 1 Crews, 7- Type 2IA Crews, 4- Type 2 Crews, 10- Type 1 engines, 2- Type 1 ST, 3- Type 3 engines, 5- Type 3 ST, 9- Watertenders, 10- Dozers, 4- Excavators, 3- Graders</b>
24 hours:	
48 hours:	
72 hours:	
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. <b>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.</b>	
41. Planned Actions for Next Operational Period: <b>Resources will continue to go direct on the fire and look for areas to hold the fire from progressing</b>	

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**towards populated areas. Crews and engines on the ground will continue to be supported by aircraft. Additional crews and engines will continue to strengthen control lines and mop up secured line.**

42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"): **5,000**

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: **\$3,000,000.00**

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 Snow Summit 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
<b>BIA</b>	Rsrc	1	0	1	0	0	0	0	0	0	0	0		
	Pers	21	0	21	0	0	0	0	0	0	0	0	2	44
<b>BLM</b>	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
<b>C&amp;L</b>	Rsrc	0	0	2	0	5	4	1	0	0	6	0		
	Pers	0	0	30	0	18	12	2	0	0	12	0	25	99
<b>CA-CDF</b>	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
<b>FDF</b>	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
<b>FS</b>	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
<b>PRI</b>	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
<b>52. Total Resources</b>		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.**