Zion
Fire & Aviation Management

National Park Service
U.S. Department of the Interior

Annual Report 2009

East Entrance Prescribed Fire

2009 Season Overview

The 2009 season was another busy one for Zion National Park's Fire and Aviation Management Program and its staff of 35 people (both seasonal and permanent). Nationally though, it was one of the slower seasons in years with 79,151 fires burning 6,409,479 acres.

Zion had 11 wildland fires in 2009 that burned approximately 2448 acres within the park. This included the resource benefit Horse Fire, at 2,110 acres and the Cliff Fire at 306 acres. Zion was also involved in numerous wildland and prescribed fire support actions within the Color Country Interagency Fire Management Area and throughout the country.

This was the first year since 2001 that fire restrictions were not enacted in the park or anywhere in Color Country.

Zion once again assisted with the fire management programs of its seven cluster parks (BRCA, PISP, TICA, GOSP, CEBR, GLCA, and CARE). Zion supported all fire management activities in these parks including prescribed fire in BRCA and technical expertise for planned fuel treatment projects at GOSP.

Zion continues its tradition of interagency cooperation as a member of the Color Country Interagency Fire Management Area whose response zone covers 14.7 million acres of federal, state and private lands in Southwest Utah and Northwest Arizona. This group helps to promote safe and effective fire management in Color Country through interagency cooperation and coordination. Zion representatives served on the Operations, Fuels and Information/Education Committees. Color Country had a relatively busy season with 340 fires reported totaling 29,593 acres burned. The area also hosted one Type I Incident Management Teams on the Forest Services's Mill Flat Fire.

Taiga Rohrer was welcomed back to Zion's staff in October as our new Fire Management Officer (FMO). He had recently served as our Assistant FMO in 2008. Bruce Fields, Fuels Specialist from Bryce Canyon, served as our Acting FMO after Brent Woffinden left in July to take an NPS regional position in Santa Fe. Katie Johnson was hired as our new Fire Ecologist after serving as our Lead Fire Effects Monitor for two years. Joel Silverman was hired to fill the position of Lead Fire Effects Monitor. Ben Surig and Ben Thayer are both now permanent employess with Helitack. Kelly Boyd was hired as the Lead Crewmember on the Fire Use Module.

2009 Season Highlights

- Management of 11 wildland fires within the park totaling 2,448 acres
- Hiring of two permanent fire management positions including Fire Management Officer, Lead Fire Effects Monitor, two helitack positions and two Wildland Fire Module positions.
- Assisted with 162 fires outside the park
- 12 fuel treatments involving 389 acres in the park
- Continued development of Zion Fire Management webpage (http://www.nps.gov/zion naturescience/fire-management-homepage.htm)
- Assistance with the production of Regional Community Fire Plans and assistance with other communities in the planning phase
- First year since 2001 that fire restrictions were not enacted
- The Zion Wildland Fire Module participated in over 1027 person days worked
- The successful management of the 2,110 resource benefit Horse Fire which burned from July 4 until it was declared out on September 25
- Zion Helitack Module flew approximately 358 hours in support of fire and other operations throughout Color Country

Zion Engine Operations 2009

2009 was an average fire year nationally with over 5 million acres burned. The Color Country Interagency Response Area had an average season with close to 800 incidents by mid-October and the Eastern Great Basin had a relatively light season. Zion, also, had a light fire season with eleven wildfires within park boundaries. However, due to favorable indices the park was able to manage the Horse Fire and achieve over 2100 acres through fire for resource benefits. By all accounts the Horse Fire was a success for the resource, with low severity in the Ponderosa Pine ecosystem.

This fire season saw large changes in the staffing and organization of Zion Fire Management. Two key positions were vacated early in the season (FMO and AFMO). As a result numerous staff members took on greater responsibilities. Organizational change saw the engines go from three person staffing to five person staffing and absorb all fuels treatment responsibilities. The Zion engines continued the typical cooperation beyond park boundaries in our response area by initial attacking and staffing 41 fires with 197 shifts worked by E-611 staff in Color Country, and 144 shifts worked by E-612 staff.

With the new organization returning fuels crew members were absorbed into the engine modules. This provided greater staff cohesion and provided the engine modules with two additional engine bosses/ IC's. The experience brought to the engines by the fuels crew members greatly increased the capability of the engine modules. Progress in accomplishing fuels treatment acres did not suffer, but was enhanced due to the new staffing arrangement.

This year Zion fire staff was able to accomplish "acres treated" for the Regional Office by both applying fire to the landscape and allowing fire to burn for management objectives when appropriate. Zion Engine staff completed the East Entrance RX, multiple burn units for the Joint Fire Science program, aka Zion Grass RX, and was able to prepare the Pocket Mesa RX unit for ignition (2400 acres with 5 miles of perimeter treated), the Hidden Slough RX at Glen Canyon NRA and management of the Horse Fire, 100th Anniversary Fire and the Phantom Fire for resource benefits. In addition to the above mentioned prescribed fire and wildfire projects our staff completed Wildland Urban Interface (WUI) defensible space fuels treatment around multiple facilities in Zion Canyon.

Engine staff continued local cooperation by providing training for local VFDs and national park sites within our Utah Park Group cluster. Our staff coordinated field exercises and hosted developmental training and NWCG "S" classes. Zion engine staff continued to support the Color Country mission by providing a crew boss for two Color Country Type 2 IA crews. With our new organization and responsibilities and the void left by vacated overhead positions our staff maintained a high degree of flexibility, completing WUI fuels reduction projects, fire effects plot work, fuel moisture sampling, pre-suppression duties, and training here at Zion and in our cluster parks.

2009 Engine Operations Accomplishments

Safety
No lost time accidents or recordable injuries in the park this this season.

Training
•Four fire refreshers conducted with over 80 participants.
•Two S classes coordinated, providing staff with key operational and safety training.
•David Brothwell was a unit instructor for the Interagency Engine Operator course in Moab, UT.
•Four staff members completed the Engine Operator Course.

Taskbooks Completed
•E-611, nine taskbooks were completed by staff members, 29 blocks were completed in taskbooks and key roles were filled on a Local Type 3 incident management team.
•E-612 staffmembers were able to complete 7 key taskbooks providing the operation with a new degree of flexibility and staffing capabilities not seen before at Zion.

Fires Staffed
40 wildfires and 11 prescribed fire projects

Cohesion
•Engines hosted detailers from seven different inter-park divisions. Our staff helped fire effects, archaeology, GIS, the Canyon District and Plateau District Ranger Staffs with a variety of projects and emergency operations.
•Staff arranged and conducted parkwide powersaw safety training for over 40 participants from multiple park divisions.

Fire Effects Monitoring Program 2009

The Zion Fire Effects team experienced a challenging, rewarding, and highly productive year despite changes within Zion Fire Management and a very demanding workload. Not only did the crew have a large number of standard fire monitoring (FMH) plots to re-visit, it also needed to ground-truth remotely-sensed burn severity images and monitor the effectiveness of treatments against cheatgrass (Bromus techtorum) invasion as well. The crew collected data from 81 FMH plots, 75 CBI plots, and 155 other plots for a total of 311 plots! Part of the team's success was due the continuity and level of experience within the team. The Fire Ecologist, Lead Monitor, and Assistant Lead Monitor were all returning staff, while the two additional crew members had worked within the NPS Fire Effects Program in previous years. The crew also received assistance from a number of sources: two Northwestern University student interns, two Grand Canyon Fire Effects Monitors, and a number of other staff at Zion and Bryce Canyon (particularly from the Resources division of each). In addition, crew members improved their botany skills by continuing to piece together a working herbarium complete with 100s of mounted plant samples, a digital catalog, and storage. By making good use of occasional office days during the summer, the crew was also able to complete all FMH data entry & checking by late October.

Despite the fact it was a slow fire year nationally, all members of the team were able to participate in fire operations. Crew members detailed in with Zion Helitack and the Zion Fire Use Module (2 week assignments), as well as assisted in prescribed fires, fire for resource benefit, and wildfires under full suppression. In addition, several team members gained valuable experience acting as Resource Advisors, writing BAER assessments, and writing fire monitoring reports. The crew received performance awards for their outstanding work and several of the team members were included in a special group award for "achievement in restoring fire-adapted communities." Individuals also received high marks from their detail supervisors during fire assignments and were able to complete HECM and FEMO taskbooks, while adding experiences to new taskbooks.

A number of staffing changes took place within Fire Effects this year. The Fire Ecologist received NPS approval and funding to enroll in a Masters Program at Northern Arizona University. She is studying fire ecology, and specifically looking at making adjustments to the Zion Fire Effects Monitoring Program. She started classes in Flagstaff full-time in late August but continues to make herself available via phone, email, and occasional meetings. To help fill the gap back at Zion, the Lead Monitor received a temporary promotion as acting Fire Ecologist in October (NTE 120 days). He used the remainder of the year to prepare fire monitoring results for the annual report and to update the Pocket Mesa burn plan. Finally, the Assistant Lead took a separate short-term GIS position in the Fire Effects office to assist in data analysis, and learn some new skills in ArcGIS. The Zion Fire Effects team continues to work closely with both fire operations and resource managers to address the current needs of the Southern Utah NPS units which they serve.

Fire Information and Education 2009

The Fire Information and Education program at Zion is coordinated by the Fire Information and Education Specialist (FIES) whose primary responsibility is to establish and coordinate internal and external fire information, education and prevention programs in order to present an integrated interdisciplinary fire program within Zion (and the other Utah cluster parks) and the National Park Service (NPS) as a whole.

Public information on the Horse Fire

2009 was another busy year for the Information and Education portion of Zion's Fire Management Program. The park experienced 11 wildland fires that burned 2,448 acres including the 2,110 acre resource benefit Horse Fire The FIES served as Information Officer (PIO), either directly or indirectly, on all these incidents. The incidents required the production and dissemination of fire information, both internally and externally, and in a variety of mediums, including press releases, media interviews, park memos, posters and webpages.

The FIES produced numerous fire-related brochures, posters, handouts, site bulletins, and other information for Zion, the NPS and Color Country. The messages were delivered in an assortment of mediums, both directly and indirectly, and by a wide variety of individuals, including the FIES, fire staff, park interpreters, resource management staff, and IOFs assisting the FIES. The FIES was also involved in the training of seasonal park employees and concession staffs in regards to fire management.

One of the major duties of the FIES is the updating and continued development of the wildland fire webpage (http://www.nps.gov/zion/naturescience/fire-management-homepage.htm), which is hosted by Zion's main webpage. The site contains a wealth of information regarding wildland fire management in Zion and the NPS.

The FIES is a qualified PIO1 and is currently serving in that function on a Type I Incident Management Team that manages wildland fires throughout the country. The FIES also served as a PIO on numerous wildland and prescribed fires in the Color Country area and served on a detail to Grand Canyon and Great Sand Dunes National Parks to help them prepare for planned prescribed fires. All of these fire events, especially the prescribed burns, depended heavily upon the timely and accurate dissemination of information to the public, staff and media.

The FIES serves as the NPS representative and Chairperson for the Color Country Interagency Information and Education Committee, an active group that produces and disseminates wildland fire-related information and educational materials/programs. This committee is part of a larger group known as the Color Country Interagency Fire Management Area that coordinates fire management activities throughout Southwestern Utah and northwestern Arizona.

The FIES also represents the NPS on two other interagency committees including, the Great Basin Fire Education and Prevention Committee and the Utah Fire Communications Committee.

As well as the FIES duties in the Fire Management Program, the position also assists with the Public Information Program in the park. This involves the production of numerous press releases, media interviews, a park profile, co-managing the park's website and being a member of various park committees and work groups.

Following is a list of specific fire-related information/education activities for both Zion and associated national parks and the Color Country Interagency Fire Management Area. There are no exact figures for the number of people contacted in 2009 concerning non-personal fire-related messages, but it certainly numbered in the thousands.

Zion and other NPS Cluster Parks 2009

Information/Education Activity	Staff	Efforts	Contacts
Personal			
Kids Fire program	Interpretation	5	190
Evening Program (Fire)	Interpretation	12	967
Earth Day Booth	FIES, staff	1	420
Informal roving during fire activities	FIES, staff	5	400+
Community Fire Meetings	FIES, staff	3	100+
Zion Staff Training	FIES, staff	3	37
Color Country Educ/Prev Programs	Interagency	38	15,000+
Color Country Media Day	Interagency	1	12
Non-personal			
Fire Webpage	FIES	on-going	-
Success Stories	FIES	11	-
NPS Fire Reporting	FIES	15	-
Fire Press Releases	FIES	9	-
Bulletin Boards in Zion	FEIS	25	-
Spectrum Newspaper Articles (Fire)	FEIS	5	-

Zion Fire Use Module 2009

The 2009 fire season was another busy, productive season for the Zion Fire Use Module. Like many seasons past, we assist both National Park Service (NPS) and interagency customers with prescribed and wildland fires, as well as mechanical fuels projects. Unlike seasons past, we worked in Arizona and Utah exclusively, with the newly formed "North Zone" (Grand Canyon National Park and Kaibab National Forest) serving as our main host and customer.

For the 2009 season, the module was available from April 20 through November 09. During that time, we assisted 4 NPS units with 18 projects, and 5 interagency units with 10 projects. We provided support for 9 prescribed fires (prep and implementation), 12 wildland fires (resource and suppression objectives), and 2 hazardous fuels reduction projects. While providing this support, crewmembers were able to work on the following qualifications: Ed Waldron- DIVS(t); Alex Viktora- HGMB, READ(t), ICT4; Travis Hartsburg- FIRB(t) ; Sarah Cooper- GISS(t), FIRB(t) ; Kelly Boyd- FIRB(t), FALC(t); Izaak McHenry- ICT5(t), FALB(t); Brian Wilson- FEMO(t), FALC(t).

Several notable personnel changes occurred for the 2009 season. Shane Paxton, our lead crewmember from 2006-2008, left Utah and our crew for the greener pastures of Tennessee, his wife, a new house and a Squad Leader job with the Cherokee Hotshots. Travis Hartsburg, module crewmember since 2003, was promoted into the lead crewmember position. This move opened up a permanent spot on the crew that was filled with Kelly Boyd, seasonal module crewmember since 2005. Ben Suerig moved on and up to a permanent position with Zion Helitack, just down the road from us.

Our two seasonal positions were filled by two very experienced NPS Firefighters. Izaak McHenry joined our crew after a season at Sequoia-Kings Canyon National Park. In addition, Izaak has several seasons of experience at Zion National Park, where he worked on both engine and fire effects crews. Brian Wilson (not the Beach Boy) accepted our second seasonal position. Brian joined our crew after four seasons at Olympic National Park. These two gentlemen were excellent additions to our crew, and they quickly adapted to our systems and put their unique skill sets to work.

Our season consisted of a typical mix of prescribed and wildland fire support. We spent a majority of our season on the North Zone, a newly formed interagency unit consisting of Grand Canyon's North Rim, and the North Kaibab District of the Kaibab National Forest. All told, we spent 60 operational periods on the North Zone, supporting prescribed and wildland fire events.

Just as the season wound down, seasonal crewmember Izaak McHenry accepted a permanent position with the Great Smoky Mountains (GRSM) Fire Use Module. We congratulate Izaak on this appointment and wish him well! Izaak will be in great company, as he'll be joining our former lead crewmember, Shane Paxton, who also recently accepted a position on the GRSM module. We are confident that each of their experiences on the Zion Fire Use Module will serve them well.

Zion Fire Use Module 2009

Activity Summary

TASK	Person Days Worked	2009	Average (1996-2008)
Wildland Fire: Suppression	72	7.0%	21.7%
Prescribed Fire: Execution/Prep	209	20.4%	12.7%
Travel	43	4.2%	11.9%
Module Operations	260	25.3%	13.6%
Wildland Fire: Resource Benefit	339	33.0%	26.1%
Training	61	5.9%	8.2%
Hazard Fuels	37	3.6%	4.6%
Fire Effects Plot Work	6	0.6%	1.1%
	1027		

2009 Acreage Accomplishments

Wildland Fire Resource Benefit		Wildland Fire Suppression		Prescribed Fire Execution		Hazard Fuels	
#	ACRES	#	ACRES	#	ACRES	#	ACRES
6	**8,390**	**6**	**142**	**11**	**1,530**	**2**	**4**

2009 Roster

NAME	POSITION	STATUS
Edward Waldron	Module Leader	GS-08 Permanent Full Time
Alex Viktora	Assistant Module Leader	GS-07 Permanent Full Time
Travis Hartsburg	Lead Crewmember	GS-06 Career Seasonal
Kelly Boyd	Crewmember	GS-05 Career Seasonal
Sarah Cooper	Crewmember	GS-05 Career Seasonal
Izaak McHenry	Crewmember	GS-05 Seasonal
Brian Wilson	Crewmember	GS-05 Seasonal

Zion Helitack Module 2009

2009 was a successful season for Zion Helitack. Despite a couple of minor injuries the crew had a fairly active and safe season with no catastrophic events to report. We enjoyed the return of many crewmembers, adding only one unfamiliar face to the mix this year. Paul Damron and Ben Suerig both returned to the crew after chasing other adventures during 2008. Paul spent a season actively pursuing his love of GIS in the corporate world, only to decide that a return to Zion Helitack was desired. We gladly extended him a job as a seasonal helicopter crewmember. Ben Suerig spent 2008 with the Fire Use Module. He learned a lot and enjoyed his time with the FUM; however in the end we offered him a permanent position as a Lead Crewmember. A position he could not pass up, and in the end it allowed him to return to aviation where he felt his heart was. Again, we were excited to have him back on the crew. We hired Thea Hamm as a seasonal senior firefighter this year. She came to us from the Price Valley Helirappel crew and quickly found herself a comfortable place on Zion Helitack. She stepped up to unfamiliar people and unfamiliar terrain in spectacular fashion. We are excited to have her on board! Many of the old crew still remains with Zion Helitack for another season; Alicia Tanrath – Asst Helitack Mgr, Ben Thayer – Senior Lead Crewmember, Norman "Iceman" Allen – Senior Firefighter, Chris Jensen – Helicopter Crewmember, & Todd Bevans – Helicopter Crewmember.

You could call this the season of "Fire for Resource Benefit". We spent many days supporting fires that were being managed for resource benefit. Alicia took on the Type I Helicopter Program for the Dixie N.F. again this year. She traveled with the Heavy Helicopter for the majority of the season. Our crew supported several SAR's in the park this year. It was a bad season for hikers, especially on the Angels Landing Trail. We were called to assist on several occasions. We also played a large role in many aerial ignition operations, performing PLDO support for the Horse Fire and Helitorch support for fires on the Manti-Lasal and Cedar City BLM. The close of the season allowed us the opportunity to support aerial seeding and mulching projects on the Fishlake N.F. It was a great opportunity that furthered the experience of our remaining crewmembers.

Two major things stand out for the 2009 season. We began an organized detail program that was successful in helping to recertify or train 25 individuals in helicopter operations. All detailers cycled through the crew for a minimum of 14 days, some remaining as long as 30 days. We had people from as far away as Texas but most were local. It was considered a big success and we obtained a lot of useful feedback that we intend to implement into our 2010 season of detailers. Be watching for the announcement and your opportunity to take advantage of a detail position with Zion Helitack in the 2010 season. The second major accomplishment for the crew was the successful deployment of Cargo Letdown on 2 fires. This was the first operational request to utilize this great tool and both opportunities were very successful. We delivered gear to a FUM that was hiking into the Horse fire during its final days. We also delivered food and water to resupply a group of Jumpers on the Italian incident on the Dixie N.F. They were appreciative and we were excited to have finally put this wonderful tool to good use.

We finished the final contracted season with Hillsboro Aviation. It was a great 4 year partnership. 2010 will bring a new solicitation which may or may not see Hillsboro back again. Despite who obtains the new contract for Zion, we are hopeful that our track record of good helicopter companies will continue. We are also very appreciative of the personal stake that Hillsboro took in helping to making Zion Helitack the crew a well thought of and respected organization. Our 2009 season was not an incredibly busy one, but we will not complain about the amount of flight time and fire activity that we were fortunate enough to participate in.

Agency	Flight Time	Passengers	Internal Cargo (lbs)	External Cargo (lbs)	Water Delivered (gl)
N. P.	49.7	241	12,490	19,550	3,980
B.L.M.	63.2	142	7,325	10,760	18,350
F.S.	116.9	414	14,775	14,200	38,535
State	23.9	66	3,665	2,500	3,530
Totals	253.7	863	38,255	47,010	64,395

Initial Attacks = 13 / Fires supported = 34 / SAR's = 2 / Prescribed Fire = 1 / Projects = 3

Fuels Treatment Projects 2009

Project	Treatment Type	Acres
Campground Leaf Burning	Broadcast Burn	15
Zion Piles	Pile Burning	7
East Entrance Rx	Broadcast Burn	40
Kolob Canyons VC	Pile Burning	5
Pocket Mesa Prep	Mechanical	10
Zion Grass Rx	Broadcast Burn	40
Lava Point Rx	Broadcast Burn	39
HQ Defensible Space	Mechanical	5
Upper Kolob Creek	Lop and Scatter	6
Pine Valley Peak Restoration	Mechanical	90
Rockville Bench	Mechanical	12
Zion Canyon Restoration	Chemical	120
Total		**389**

Communities Protected

- East Zion - (Focus Area of the Color Country Interagency Fire Management Area)
  - Little Ponderosa Subdivision
  - Zion Estates
- Kolob - (Focus Area of the Color Country Interagency Fire Management Area)
- Zion National Park Infrastructures

Zion Canyon Grass Rx

East Entrance Rx

Zion NP Wildland Fires – 2009

Wildland Fire	Date	Acres	Cause	Action Taken
Patron	4/20	.1	Human	Suppression
Lava	5/23	.1	Lightning	Suppression
Tower	5/30	.1	Lightning	Suppression
Woofman	7/3	.4	Lightning	Suppression
Gregory Butte	7/3	.1	Lightning	Suppression
Horse	7/5	2,110.0	Lightning	Resource Benefit
Cliffs	7/28	306.0	Lightning	Suppression
Cougar	7/29	1.0	Lightning	Suppression
100th Anniversary	7/31	8.0	Lightning	Confine/Contain
Phantom	9/10	.1	Lightning	Suppression
Lava Point	10/4	22.0	Escaped Rx	Suppression

Total (11 Fires) **2,448 acres**

Out of Park Assignments
Support Assignments - 4

Woofman Fire

Aerial view of 100th Anniversary Fire

2009 Zion Fire Business Management

Fire Management at Zion National Park is a highly complex program incorporating a full range of management objectives. The authorized funding in fiscal year 2009 was over $2 million.

All fire related fiscal and administrative duties are accomplished by the Fire Program Management Assistant (FPMA). The Fire Program Management Assistant oversees all office and administrative functions in the Fire and Aviation Branch, ensuring appropriate guidelines are followed as they pertain to budget, procurement, fleet management, personnel, payroll, travel and correspondence. The FPMA provides expertise in Incident Business Management to Zion National Park as well as 7 other parks in the Utah Parks Group.

In 2009, duties included the timely and accurate preparation of Fire and Aviation Branch time and attendance reports for approximately 36 employees and 4 emergency hire personnel. The fire year resulted in the preparation and processing of 201 travel authorizations / vouchers related to training and emergency operations for branch employees.

FY 2009: AUTHORIZED FUNDING AMOUNTS

Preparedness		
P11	Readiness	$619,443
Fire Protection Assistance		
F12	Preparedness	$17,100
F13	Operations	$10,000
Burned Area Rehabilitation		
B11	Burned Area Rehab	$473,453
Hazardous Fuels Reduction - NonWUI		
H11	Fuels Management	$438,374
H12	Fuels Prescribed Burn Projects	$84,200
H14	Fire Effects Monitoring	$108,795
H22	Fuels Projects-Mechanical	$2,500
H32	Fuels Projects-Other	$4,200
Hazardous Fuels Reduction – WUI		
W11	Fuels Management	$218,644
W12	Fuels Prescribed Burn Projects	$48,300
W13	Compliance	$9,200
W15	Community Assistance	$4,000
W22	Fuels Projects-Mechanical	$50,500
W32	Fuels Projects-Other	$3,400

Zion Fire and Aviation Management Staff 2009 (not all present)

Permanent Staff

Fire Management Officer - Taiga Rohrer
Fire Program Management Assistant – Kristine Evenson
Fire Ecologist – Katie Johnson
Lead Fire Effects Monitor – Joel Silverman
Fire Information/Education Specialist – David Eaker
Station Manager – James Courtright
Engine Supervisor – David Brothwell
Engine Supervisor - Greg Bartin

Helitack Module
Helitack Leader – Mike Reid
Assistant Helitack Leader – Alicia Tanrath
Crewmember - Ben Thayer
Crewmember - Ben Suerig

Fire Use Module
Module Leader – Ed Waldron
Assistant Module Leader – Alex Viktora
Lead Crewmember - Travis Hartsburg
Crewmember – Kelly Boyd
Crewmember - Sarah Cooper

Bryce Canyon
Fuels Specialist - Bruce Fields
Spervisory Forest Tech - Andrew Hostad

Seasonal Staff

Fire Effects Crew - Katie Walsh
Fire Effects Crew - Shannon Eberhard
Fire Effects Crew - Matthew Smith

Engine Crew - Bryan Bird
Engine Crew - Gina Allbright
Engine Crew - Andrew Gavin
Engine Crew - Cresston Lay
Engine Crew - Tyler Bandurski
Engine Crew - Tom Green
Engine Crew - Ryan Muff
Engine Crew - Bill Whitacre

Fire Use Module - Izaak McHenry
Fire Use Module - Brian Wilson

Helitack Module - Norman Allen
Helitack Module - Thea Hamm
Helitack Module - Chris Jensen
Helitack Module - Paul Dameron