Zion
Fire & Aviation Management

National Park Service
U.S. Department of the Interior

Annual Report 2013

2013 Season Overview

The 2013 season was a fairly active one for Zion National Park's Fire and Aviation Management Program and its staff of 22 people (both seasonal and permanent).

Zion had 15 wildland fires in 2013 that burned 58.3 acres within the park. The largest of these was the Crater Fire at 54 acres. Four of the these fires were human caused and all the others lightning caused. The other parks in the Utah Park Group had two fires for 73 acres. Zion was also involved in numerous wildland and prescribed fire support actions within the Color Country Interagency Fire Management Area and other areas throughout the country. Zion and Color Country started the fire season in very high to extreme fire danger and spent 30 days in severity. Color Country overall had a relatively slow season with 382 fires burning approximately 9,284 acres with 24% of these being human caused. Mid summer rains caused a green up of vegetation which ameliorated fire danger and thus reduced ignitions. Nationally it was also a below average season with 42,182 fires burning approximately 4,083,157 acres through mid-November.

The Zion staff conducted numerous fuel treatment and mechanical thinning projects for a total of 653 acres treated in the park. This included the second entry, 621 acre Clear Trap Prescribed Fire along a portion of the park's eastern boundary. They also assisted with fuel treatments projects in other area NPS units.

Zion continued to staff its two Type 6 wildland engines modules, but with a reduced total of six personnel. Engine Crewmembers responded to 35 incidents, including wildfire and SARs. They also had some out of state fire support assignments. The two engines combined for 13,275 miles driven with no accidents. They had one lost time injury during the season, which was a back strain during training.

The two-person Zion Fire Effects Crew (with some assistance from volunteers) completed all 41 of their FMH plots at ZION and BRCA. They also completed 140 wildland fire risk assessments of structures in Zion NP and Cedar Breaks NM. They also helped support the engine module on numerous wildfires and prescribed fires and continued their support of the development of a working Zion Herbarium.

The Zion Helitack Module initial attacked 41 fires and supported another five. They recorded 198 hours flown, carried 557 passengers and delivered 73,110 gallons of water to wildland fires. They were also involved in five short haul Search and Rescue operations in the local area and supported numerous fires and staffed incident helibases out of the area.

The Fire Communication Education Specialist made thousands of contacts with the public, park staff, and elected officials relating to NPS wildfire and planned fire projects. Numerous contacts were also made through indirect methods such as websites, posters, news releases and other publications. The position continues to support all of the NPS units in both Utah and Colorado.

The Fire Administrative Staff dealt with a frequently changing budget not fully finalized until August 6th and was able to bring the park within 2% of the allocated despite the obstacles. They provided excellent administrative support for the staff and around 120 separate incidents.

The authorized funding in fiscal year 2013 was approximately $1.9 million dollars. All fire related fiscal and administrative duties are accomplished by the Fire Program Management Assistant (FPMA). The FPMA also provides expertise in Incident Business Management to Zion National Park as well as seven other parks in the Utah Parks Group. Fiscal management was complicated again this year by having no congressional budget, continuing resolution, fiscal cliffs and further complicated by having FBMS.

Fire restrictions were once again instituted in the summer of 2013 for Zion and the Utah Parks Group, the Color Country Interagency Fire Management Area and most of Utah.

Zion assisted with the fire management programs of the Utah Parks Group (BRCA, PISP, TICA, GOSP, CEBR, NABR, GLCA, RABR and CARE). Zion supported all fire management activities in these parks.

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. No National Incident Management Teams were brought in to manage fires.

Personnel Changes in 2013 (permanent)
No new permanent hires in 2013

James Courtright left the AFMO position to take the FMO position in Hawaii Volcanos . The position has not been filled as yet.

Fire Effects Monitoring Program 2013

The Southern Utah Parks Group had a challenging yet safe and productive year in 2013. The field staff consisted of a permanent GS-07 lead fire effects monitor, Katie Walsh and one seasonal GS-06 assistant lead fire effects monitor, Liz Dodson. The program proceeded this year without a fire ecologist, additional seasonal crew members, or an assigned vehicle to complete fieldwork. Without a fire ecologist the fire effects program lacks direction, a funding advocate and guidance. Without new project proposals or input, the crew was only able to focus on reading plots already installed and scheduled. During the 2013 field season, the crew completed close to all scheduled FMH plots: 17 at Zion NP and 24 at Bryce Canyon NP. They also completed wildland fire risk assessments of 140 structures at Zion and Cedar Breaks.

The 620 acre Clear Trap prescribed burn was completed early spring along the east border of the park to provide better defensible space and reduce fuels in the unit. Post-burn reads were completed on the 3 Ponderosa, 2 Juniper, and 1 Gambel Oak FMH plots in the unit. Zion Engine 611 and 612 assisted with the post reads for all 6 FMH plots. The fire effects crew served as FEMO on the burn for the two days of ignitions and six days of holding, monitoring and mop-up. They worked with Bandelier FUM to provide daily summaries of fire activity and weather observations and produced a final report.

The crew spent 16 days over three periods camped at Bryce to complete fieldwork. To assist the crew with monitoring, volunteers from other departments in Zion and Bryce Canyon were relied on to help collect data. Thirteen volunteers were trained on monitoring techniques and used throughout the summer. While it is important and useful to train others in FMH plot protocols it was also time consuming and allowed for inconsistences within the data collection.

Fire Effects Monitoring Program 2013 continued

The structure assessment process was made more efficient this year when the database and data dictionary template was made available digitally on Trimble GPS units and NPMap database. Another digital advance for the crew was the use of an iPad. The iPad was loaded up with digital guides, plant keys, maps, and fire resource guides. All the data collected this season was FMH plot reads and had to be collected on paper in the field and entered into FFI at the office. Ideally the iPad could be used in future seasons for field data collection. The iPad was very handy for monitoring and documentation during the Clear Trap RX. Weather and fire behavior observations were entered into an iPad report document while in the field.

Both Katie and Liz were able to participate in at least one detail assignment and worked on a wide range of wildland fire skills. Crew members also assisted the Zion wildland fire engines with several small fires in Zion NP and the local Color Country Interagency Area. Zion was in severity for several weeks, but received an abundance of monsoonal moisture in August and September. The fire effects program was also able to continue supporting plant identification training with assistance from the Zion Natural History Association and the Zion Vegetation Program. All crew members participated in 20 hours of plant identification and herbarium skills training.

Park	Monitoring Unit	Plot Type	Pre-burn	Immed. Post	Post-burn (1-20 years)	Annual Total	Total Plots
Zion	Ponderosa Pine	FMH Forest	-	3	6	9	19
Zion	Sagebrush	FMH Brush	-	-	2	2	20
Zion	Gambel Oak	FMH Forest	-	1	2	3	12
Zion	Juniper Woodland	FMH Forest	-	2	1	3	8
Zion	Aspen	FMH Forest	-	-	-	-	10
Zion	White Fir	FMH Forest	-	-	-	-	10
Zion	Kolob Fire	Cheat grass	-	-	-	-	140
Bryce	White Fir	FMH Forest	-	-	14	14	18
Bryce	Ponderosa Pine	FMH Forest	-	-	10	10	23
Bryce	Black Sage	FMH Brush	-	-	-	-	7
Bryce	Dave's Hollow RX	Tree Density (Pondo Pine)	-	-	-	-	15
Bryce	Dave's Hollow RX	Photo Points	-	-	-	-	3
Bryce	Lodge Thinning	Photo Points	-	-	-	-	7
Golden Spike	Sagebrush	FMH Brush	-	-	-	-	10
Total FMH	---	FMH Plots	-	6	35	41	137
Plot Total	**---**	**All Plot Types**	**122**	**-**	**187**	**316**	**429**

Fire Effects Monitoring Program 2013 continued

Category	Percent Time	Notes
FMH plots	50	17 FMH plots at Zion, 24 FMH plots at BRCA
WUI plots	0	
CBI plots	0	
Other plot work	0	
Wildfire assignments	10	9 shifts spent assisting engine with severity coverage Lead- 1, 2 week assignment on Color Country crew Crewmember- 1,3 week assignment on Color Country crew
Prescribed fire projects	5	Project prep for Clear Trap RX- digging hand line, cleaing brush. Assisted with RX as FEMO and holding.
Non-fire fuels projects	10	Structure assessments for Zion Canyon and Cedar Breaks.
Travel out-of-park for plot or project work	<2	3 trips to Bryce Canyon, 2 half days travel
Data entry	15	Completed all data entry for FMH and structure assessment photos
Data analysis	0	This is expected to be very low number or zero for fire effects crew/lead monitor
Supervision/Admin	<5	Lead hired and supervised seasonal assistant lead employee, time and travel paperwork
Training	5	All attended refresher. L-280, plant ID
Miscellaneous	5	Assist other park work groups with monitoring or surveys. Excessive amount of time spent on logistics for getting to work site due to lack of assigned vehicle

Fire Information and Education 2013

The Fire Information and Education program at Zion is coordinated by the Fire Education/Communication Specialist (FECS) 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, the Utah Parks Group and the National Park Service (NPS) as a whole.

2013 was another busy year for the Information and Education portion of Zion's Fire Management Program. The park experienced 15 wildland fires that burned 58.3 acres. The FECS served as Public Information Officer (PIO), either directly or indirectly, on all these incidents as needed. 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, posters and webpages.

The FECS produced numerous fire-related brochures, posters, handouts 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 FECS, fire staff, park interpreters, resource management staff, and PIOs assisting the FECS. The FECS was also involved in the training of seasonal park employees and concession staffs in regards to fire management.

The FECS continued development and updating 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 FECS 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 FECS also served as a PIO on wildland and prescribed fires in the Color Country area.

The FECS serves as the NPS representative for the Color Country Interagency Information and Education Committee, an active group that produces and disseminates wildland fire-related information and educational materials/programs.

The FECS also represents the NPS on three other interagency committees including, the Great Basin Fire Education and Prevention Committee, the Utah Fire Communications Committee and the Rocky Mountain Information/Education Committee. Travel caps and budget did constrain some participation.

As well as the FECS duties in the Fire Management Program, the position also assists with the Public Information Program in the park. This involves the production of press releases, media interviews and being a member of various park committees and work groups.

Zion Helitack Module 2013

Zion Helitack's goal for 2013 was to provide for a safe and efficient operation. The eight-person crew worked hard at achieving this goal. This was also another year for transformation of the module. Two new helicopter pilots came to the program and the module lost one key member, but overall few personnel changes occurred. The majority of the module arrived in May and the training process began immediately.

Despite very high fire danger, the season started pretty slow in Color Country which gave us the opportunity to ensure all of our training was completed. The helicopter assigned to us was a Bell 407. We conducted an S-271 class and also helped with S-270 along with many helicopter drills including loading and unloading people, water bucket hook-up and short-haul training. We were able to assist with initial attack firefighting efforts in the Color Country area along with running helibase operations. During the fire season, we sent our Assistant Module Foreman Chad Runyan to help with the management of a S.E.A.T in Oregon for a 20 day assignment. The module was involved with five SAR's and five short-haul operations in the park, along with two projects including flights for the radio repeater maintenance and the slingloading of human waste from Angels Landing. We also flew fire detection flights for the Dixie National Forest. Everyone in the crew got a chance to work on their open task books, with one getting signed off.

The module hosted a total of three local crewmember detailers from Color Country during the fire season which was a good experience for both detailers and the module. We had one, extended out of district assignment in Wyoming and Idaho for 53 days where we got the opportunity to work on larger fires and helibases. This was a good year for the Zion Helitack Module and we look forward to next fire season.

Flight Time	Passengers	Internal Cargo (lbs)	External Cargo (lbs)	Water Delivered (gl)
198.3	**557**	**56,980**	**24,840**	**73,110**

Initial Attacks = **41** Fires Supported = 5 SARs = **5** Short-hauls = **5** Projects = **6**

Zion Engine Module 2013

The 2013 Fire season was a challenging one for the Zion Engine Module. Budget cuts to the Department of the Interior Wildland Fire and Fuels Program, caused engine staffing to be further cut back. Engine staffing was further cut back. Assistant Module Leader positions, and a seasonal firefighter position on each engine remained vacant The program had two engine, five day effective coverage with its six firefighters, which was reduced from seven day coverage last season. The future of the Wildland Fire program calls for only one engine due to budget cuts. likely starting in 2014.

In 2013 the Program's Captain/Module Leader positions were again filled by Bryan Bird and Greg Bartin. Zion staffed its two Type 6 engines, (E-611 and E-612) with a Captain, a seasonal GS-5 Senior Firefighter and a seasonal GS-4 Firefighter. Training budgets were also cut, limiting opportunities for our employees.

As with previous seasons, the Engine program was tasked to accomplish the majority of the mechanical fuels reduction in the park. Engine staff conducted WUI fuels reduction around the Zion Emergency Operations Center (3 acres) and at the Upper Kolob Creek Project Area (10 acres). In addition the engine staff conducted the pre-burn prep and played an important role in the Clear Trap RX in May, (620 acres).

While June saw Zion in fire severity early, fire season had a typical late June start in Color Country. Engine Staff supported local suppression efforts with assistance lent to both the State of Utah and the Color Country District of the BLM. Zion had a particularly busy July, with five fires burning concurrently in the park at one point that month. Multiple lightning busts saw both engines Initial Attacking fires in different areas of the park simultaneously on four separate occasions. The Crater Fire, which started on July 20th, burned 54 acres in the first operational period. Both E-611 and E-612 responded and we able to hold the fire at 54 acres. At the end of the season Zion had recorded fifteen fires for 58 acres burned.

Zion Engine Module 2013 continued

With the arrival of a very wet monsoon, engine staff supported suppression efforts outside of Color Country. While nationally the preparedness level spent several weeks at PL5, one Type 6 engine spent three weeks listed "Available National" before being picked up on the North Kaibab National Forest, at the Castle Fire. Bryan Bird was able to complete a two week assignment as a Task Force Leader trainee on the Castle Fire since fortunately one of our seasonal crewmembers being carded as an ENGB. The willingness of Trevor Williams to step up and fill Bird's ENGB role was the only way to provide Bird with this trainee assignment. This will continue to be problematic with inability to fill positions.

In 2013 our staff again supported Color Country by filling crewmember slots on Interagency Handcrews in the late season, by providing initial attack and emerging incident support of Type 4 and Type 3 fires, and by filling overhead roles on Color Country Type 3 teams. Shawn Jaca's team was mobilized to the Payette National Forest in early August for the Thunder City Fire. Greg Bartin went as a Task Force Leader. Bryan Bird was rostered on Adam Heyder's Type Three Team, but the team was not mobilized in 2013.

Fire season came to an end early in Color Country with a second wave of monsoonal style moisture at the end of August. Several inches of rain fell over a week's time frame and served to effectively end the threat of large wildland fire. The seasonal workforce was terminated on 9/30/2013, one day prior to the Federal Government Shutdown and last day of the fiscal year.

Zion has perennially been known as a program that supports and provides for a wide range of training opportunities and diverse fire management experiences. Hopefully this will continue and be improved upon from 2013 as funding opportunities amd implementing different stratigies.

Zion Engine Module 2013 continued

Safety
•One lost time injury/incident this season.
•13,275 miles driven with zero accidents or near misses.
•Numerous safety trainings completed, including Blood Borne Pathogen, HAZwopper, EMT refresher.

Training
Engine staff members coordinated all Zion Fire refreshers and pack tests in 2013 for both primary fire and collateral duty personnel at the park. They also coordinated and hosted Threatened and Endangered Species training, OSHA training, EEO training and Blood Borne Pathogen training.

Engine staff provided Engine orientation training for collateral duty firefighters and the Fire Effects Monitors. The Engine staff also taught S-211 Hydraulics for two engine crew members.

Taskbooks Completed
Patrick Johnson- ENOP, FALB

Fires Staffed
32 wildfires/severity incidents staffed by the Zion Engines for a total of 29,823.95 acres burned.

35 total incidents responded to by engine staff, which includes multiple SAR incidents at Zion.

Fuels and Prescribed Fire
Zion Engine Module crewmembers worked on both the Clear Trap Prescribed Fire and the Upper Kolob Creek Mechanical treatment. Fuels treatments in 2013 were impacted by the lack of resources and the local fire season. Coupled with a 40% reduction in engine staffing from 2011, two crewmembers leaving mid season and one experiencing two weeks of light duty, our capability to accomplish targeted acres was challenged. By the end of October over 10 acres were mechanically cut and piled in the thick FM10 unit and 621 acres were treated with Prescribed Fire with the assistance of Engine Module Crewmembers. In October of 2013 6 acres of piles were burned.

In addition, E-611 was ordered with one individual to the Chickasaw NRA in OK. Over 800 acres were treated during the course of ten days of implementation there.

2013 Zion Fire Business Management

The Zion Fire Program Management Assistant provides expertise in Incident Business Management to Zion National Park as well as 8 other parks in the Utah Parks Group. These National Park Service areas include Pipe Spring, Cedar Breaks , Timpanogos Cave and Rainbow Bridge National Monuments, Golden Spike National Historic Site, Bryce Canyon and Capital Reef National Parks and Glen Canyon National Recreation Area.

Fire Management at Zion National Park and the Utah Park Group is a highly complex program incorporating a full range of management objectives. The Zion fire staff includes a full time Fire Management Officer, Assistant Fire Management Officer (vacant as of 07/13/13), Fire Ecologist (vacant as of 8/11/12), Fire Information and Education Specialist, Helicopter Manager and Fire Program Management Assistant. Zion typically hosts a seven person Wildland Fire Module but all positions are vacant due to lack of funds. Zion hosts a Fire Effects Crew but due to lack of funding it was much smaller than in years past with a Career Seasonal Lead and one temporary crewmember. Zion also hosts an 8 person Helicopter Module for the120 day exclusive use helicopter contract and staffs two Type 6 Wildland Fire Engines.

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. All fire related fiscal and administrative duties are accomplished by the Fire Program Management Assistant and the career seasonal Fire Program Clerk in support of the fire management staff.

In 2013, duties included the timely and accurate preparation of Fire and Aviation Branch time and attendance reports for 24 employees. Federal employee's time was processed through QuickTime. Time was also prepared and submitted to the National Interagency Fire Center's Casual Payment Center for emergency hires (ADs) after each callout. Eleven payments were made to four AD employees. The fire year resulted in the preparation and processing of 85 travel authorizations / vouchers related to meetings, training, emergency and non-emergency operations for branch and AD employees.

In 2013, fifteen accounts were set up for suppression activities within Zion National Park boundary: Coal, Shunes Creek, Lava, Lemon, Watchman, Pole Canyon, Crater, Pocket, White Cliffs, Echo, Simon, Lodge, Esplin, Checkerboard and Oso. Six accounts were set up for Utah Parks Group parks for suppression activities or false alarms: AZ-GLP 8 Mile Bar, (the North Fire occurred but no account was created), UT-GSP 119 and Spike, UT-CBP FA01, UT-BRP Farview and Midnight. One Step-Up account was set up for Zion due to the Memorial Day holiday weekend where a spike in visitation during a hot, dry period and Red Flag conditions warranted the need for additional staffing. In addition, Severity funding was authorized from June 26 through July 25th. Other accounts were created as base and project accounts. The authorized funding in fiscal year 2013 was approximately 1.19 million dollars.

FY 2013 AUTHORIZED FUNDING AMOUNTS

Wildland Fire Preparedness	
P11 Readiness	$601,294
Hazardous Fuels Reduction – WUI	
W11 Fuels Management	$331,280
W12 Fuels Projects-Prescribed Fire	$55,500
W14 Fire Effects Monitoring	$55,500
W32 Fuels Project Staffing	$59,900
H11 GOSP Mowing	$3,000

Fire Protection Assistance	
F13 Expenditure Account (Operations)	$5,000
Severity	
E14 Program	$78,288

2013 Fire Business Management Accomplishments

- Managed approximately 1.19 million dollars in approved funding and balanced Zion Fire and Aviation budget with IMR. Fire budget independent of Zion National Park budget. Actual fire budget received in writing on 8/06/2013.
- Attended week long field training for DOI's roll out of Financial and Business Management System (FBMS) which uses Systems Applications and Products (SAP) software. FBMS replaces the Federal Financial System.
- Preparation for the Financial and Business Management System (FBMS) through continued attendance of IMR webinex meetings.
- In FPPS, initiated SF-52s for all temporary fire and aviation employees (13) prior to hire and then again prior to resignation/termination working to deliver all associated documentation for hire and loss of employees to Zion Human Resources Office.
- Initiated SF-52s for all career seasonal fire employees for placement in non-pay status and NTE dates.
- Scheduled all temporary fire staff for pre-season drug test through eDrugTest.
- Prompt payment of all fire and aviation staff pre-employment medicals.
- Prompt payment of all militia medicals required for Work Capacity Test.
- Complete National Fire Office database sheet to track medicals and charges to national account.
- Complete DOI Medical Standards Program Employee Medical Clearance Tracker sheet for Zion and the Utah Parks Group employees.
- Created Zion and the Utah Parks Group parks accounts in both FBMS and AFS3.
- Assisted GRCA in setting up fire accounts for their park in the absence of the FPMA (2 week period).
- Assisted IMR but setting up region wide accounts in the absence of the IMR FPMA (3 week period).
- Prepared all purchase requisitions (PR) for Branch of Fire and Aviation.
- Completed 53 purchases for the Branch of Fire and Aviation. Prepared charge card statements timely and ac curately attaching appropriate documentation in preparation for supervisor signature and date stamp.
- Provided fire business management expertise and support for Zion and 8 other parks in the Utah Parks Group pertaining to fire accounts, payroll and travel.
- Prepared all new employee GovTrip profile requests forms for submission to Zion GovTrip Federal Agency Travel Administrator (FATA).
- Prepared and processed 85 travel authorizations/vouchers for 24 Fire & Aviation personnel and 2 ADs pertaining to meetings, training, emergency and non-emergency operations.
- Prepared all new employee JPMorgan Chase applications for GOVCC travel or purchase cards.
- Prepared all new fleet JPMorgan Chase applications for GOVCC fleet cards.
- Work closely with Zion Budget Office to coordinate use of Zion Corporate Card for Invitational Travel and t-enter of Travel Vouchers once ready for submission to AOC.
- Timely and accurate preparation of complex time and attendance reports for 24 Fire and Aviation branch employees for submission into QuickTime each pay period and 4 ADs for submission to Casual Payment Center per assignment callout.
- Reconcile Payroll bimonthly.
- Cleared all charges on Zion fire default account prior to monthly deadline set by Zion Budget Office. These include hundreds of charges for fuel/maintenance to vehicles and charges for travel/travel fees and purchases for fire and aviation operations at home and in the field.
- Review for accuracy all 23e (Aircraft Use Report) for 120 day exclusive use contract Helicopter N407HRL.
- Keep equipment/fleet inventory up to date.
- Report GSA fleet mileage / fuel purchases / maintenance for accurate billing on a monthly basis to the EFR.
- Assisted in prescribed fire operations in the field.
- Preparation and processing of all end of fiscal year accruals for operations spending that does not stop early August due to the nature of wildland fire operations (154 lines of accounting prepared and entered into FBMS).
- Participated in several CGE Concur Solutions training webinars for DOI roll out of new e-travel system software replacing GovTrip.

Fuels Treatment Projects 2013

Project	Treatment Type	Acres
South Campground Burn	Broadcast Burn	26
Clear Trap Rx	Prescribed Fire	621
Parkwide Piles	Pile Burn	6

Total 653 **acres**

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

Clear Trap Rx

Lava Point Pile Burning

Zion NP Wildland Fires – 2013

Wildland Fire	Date	Acres	Cause	Action Taken
Coal	4/6	.1	Human	Suppression
Shunes Creek	7/17	.1	Lightning	Confine/contain
Lava	7/15	.1	Lightning	Suppression
Lemon	7/18	.1	Lightning	Suppression
Pole Canyon	7/19	.1	Lightning	Suppression
Watchman	7/19	.1	Human	Suppression
Crater	7/20	54	Lightning	Suppression
Pocket	7/21	.1	Lightning	Suppression
White Cliffs	7/21	.1	Lightning	Suppression
Echo	7/22	.2	Lightning	Suppression
Simon	8/3	.1	Human	Suppression
Lodge	8/6	.1	Human	Suppression
Esplin	8/12	2.5	Lightning	Suppression
Checkerboard	8/14	.5	Lightning	Confine/contain
Oso	8/24	.1	Lightning	Suppression

Total (15 Fires) **58.3 acres**

Crater Fire

Lava Fire

2013 Permanent and Seasonal Staff

Permanent Staff
Fire Management Officer (FMO) - Taiga Rohrer
Assistant FMO - James Courtright
Fire Program Management Assistant – Kristine Evenson
Fire Program Clerk - Stephanie Trimmer
Lead Fire Effects Monitor – Katie Walsh
David Brothwell - Fuel Management Specialist (BRCA)
Fire Information/Education Specialist – David Eaker
Engine Supervisor – Greg Bartin
Engine Supervisor - Bryan Bird

Helitack Module
Helitack Leader – Ray Ucha
Assistant Helitack Leader – Chad Runyan
Crewmember - Ben Thayer
Crewmember - Ben Suerig

Seasonal Staff
Fire Effects Crew - Elizabeth Dodson

Engine Crew - Trevor Williams
Engine Crew - John Clay (2 pp)
Engine Crew - Patrick Johnson
Engine Crew - Ted Childers
Engine Crew - Joshua Green (3 pp)

Helitack Module - Norman Allen
Helitack Module - Michael Sellers
Helitack Module - Tom Green
Helitack Module - Gabriel Ramirez