

Zion

Fire & Aviation Management

National Park Service
U.S. Department of the Interior



Annual Report 2012



2012 Season Overview

The 2012 season was another busy one for Zion National Park's Fire and Aviation Management Program and its staff of 25 people (both seasonal and permanent). Color Country Fire Management Area also had a busy season with 469 fires burning approximately 106,194 acres with many of these being human caused. Nationally it was a very busy season as well with 67,315 fires burning approximately 9,211,281 acres.

Zion had 10 wildland fires in 2012 that burned approximately 3.1 acres within the park. None of these fires reached over an acre in size, due the fires' location and quick response of firefighters. 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.

The staff conducted numerous fuel treatment and mechanical thinning projects for a total of 166 acres treated in the park. They also assisted with fuel treatments projects in other area NPS units.

Zion continues to staff its two Type 6 wildland engines modules with a total of six personal. Crewmembers responded to 52 incidents and spent a total of 414 days on fire assignments. They also had numerous out of state fire support assignments. The two engines combined for over 17,000 miles driven. They had no lost time injuries during the season.

The four person Zion Fire Effects Crew completed all 29 of their FMH plots at ZION and BRCA. They also read 122 Aspen plots in planned prescribed fire areas in ZION and read 140 plots in the Kolob Fire Cheatgrass treatment project. 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 Wildland Fire Module underwent major changes during the 2012 season. Three permanent crewmembers, including the Lead, vacated their positions. Only one returning seasonal was hired to go along with the only remaining permanent position, the Assistant Lead. They were able to get a lot of work done in NPS units on wildland and prescribed fires and structure assessments, but were not able to be utilized as a module as in the past.

Zion has lost 12 positions in the last few years through budget cuts.

The Zion Helitack Module recorded 260 hours flown, carried 785 passengers and delivered 125,200 gallons of water to wildland fires. They were also involved in 19 hours flown and 8 person days on Search and Rescue operations in the local area. They also supported numerous fires and staffed incident helibases. They were awarded the 2012 Wright Aviation Award for their quality program and leadership.

The Fire Communication Education Specialist made approximately 1,800 contacts with the public, park staff, and elected officials relating to NPS wildfire and planned fire projects. Thousands of 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 authorized funding in fiscal year 2012 was approximately 2 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 June for Zion and the Utah Parks Group and areas of the Color Country Interagency Fire Management Area and statewide during the summer months. Transition out of restrictions was not well coordinated state-wide, which lead to confusion for the public.

Zion assisted with the fire management programs of the Utah Parks Group (BRCA, PISP, TICA, GOSP, CEBR, 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. Color Country had 469 fires reported totaling 106,194 acres burned. No National Incident Management Teams were brought in to manage fires.

Personnel Changes in 2012 (permanent)

No new permanent hires in 2012

Ed Waldron left the Wildland Fire Module Lead Position to take the FMO position in BIBE

Travis Hartsburg left the Wildland Fire Module Lead Crewmember position to take a position on the BAND Wildland Fire Module

Sarah Cooper left the Wildland Fire Module Crewmember position and took a position on the BAND Fire Effects Crew

Katie Johnson left the Fire Ecologist position to take the Vegetation Manager position at BRCA

Michael Peters left the Assistant Wildland Fire Module Lead position to manage a family business

Mike Wilson left the Wildland Fire module to take a position in private business

Fire Effects Monitoring Program 2012

The Southern Utah Parks Group Fire Effects Crew had a safe and productive year in 2012. The field staff consisted of a permanent GS-07 lead fire effects monitor, and three GS-05 seasonal staff members. The crew completed all scheduled FMH plots (29) at Zion NP and Bryce Canyon NP, read 122 Aspen monitoring plots in the Pocket Mesa burn unit and the Kolob Creek thinning project, read all 140 plots in the Kolob Fire cheatgrass treatment project and assisted with structure assessments at Zion NP and Glen Canyon NRA. The fire ecologist assisted with ignitions on a 40 acre prescribed burn, the Zion Grass RX, which was completed early spring in the developed area of Zion Canyon.

All field crew members were able to participate in at least one detail and worked on a wide range of wildland fire fighting skills. All crew members also assisted the Zion wildland fire engines with several fires in the local Color Country Interagency Area. Elizabeth Dodson worked on two Color Country crews and traveled to Montana and Idaho for full detail assignments. Adam Birely worked one Color Country crew and traveled to Montana for a full two week assignment. Andrea Tomlinson detailed with the Color Country dispatch center in Cedar City and spent 10 shifts working on expanded dispatch skills. Katie Walsh worked one Color Country crew assignment as a squad boss trainee and was able to complete her FFT1 taskbook.



Fire Effects Monitoring Program 2012 continued

Mid-summer the fire ecologist, Katie Johnson, took another Park Service position at Bryce Canyon as their vegetation specialist. The program continues to look forward to using her recently completed research to make changes to the data protocols that will increase the efficiency and usefulness of the field data collected. Katie Walsh, the lead fire monitor, detailed into the position for 120 days from early September until the end of December. The duties included continuing to lead the fire effects crew until the end of the field season in October.

Katie Walsh was the recipient of an Intermountain Region Individual Development Grant in the amount of \$1,940 to attend training in Santa Fe titled Measuring and Monitoring Plant Population and Vegetation. The BLM sponsored training focuses on sampling design and monitoring protocols. It is intended to provide participants with the knowledge to design and implement protocols for monitoring vegetation types for various reasons.

Similar to previous years, the fire effects program continued to help support the development of the Zion working herbarium. An intern from the Chicago Botanical Gardens continued to collect and catalog herbarium specimens from the park, with a total of 1233 voucher plants cataloged. 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.



Fire Information and Education 2012

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.

2012 was another busy year for the Information and Education portion of Zion's Fire Management Program. The park experienced 10 wildland fires that burned 3.1 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, park memos, posters and webpages.

The FECS 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 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. This committee is part of the Color Country Interagency Fire Management Area that coordinates fire management activities throughout Southwestern Utah and northwestern Arizona.

The FECS 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 FECS 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.

Fire Information and Education 2012 continued

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 2012 concerning non-personal fire-related messages, but it certainly numbered in the thousands.

Zion and other NPS Cluster Parks 2012

Information/Education Activity	Staff	Efforts	Contacts
Personal			
Nature Center Fire Education Evening Program (Fire)	Interpretation	4	230
Informal roving during fire activities	Interpretation	11	1321
Zion Staff Training	FECS, staff	5	210+
Color Country Educ/Prev Programs	FECS, staff	2	28
	Interagency	38	9,000+
Non-personal			
Fire Webpage	FECS	on-going	-
Success Stories	FECS	6	-
NPS Fire Reporting	FECS	2	-
Fire Press Releases	FECS	4	-
Bulletin Boards in Zion	FECS	25	-



Bryce Canyon NP Lodge Information Station

Zion Wildfire Module 2012

A lot of change has occurred with the Zion Wildland Fire module in 2012. Basically, region has put a hiring freeze in place on the Module. As a result, as spring got under way this year the module was down to only 2 of the normal 7 crew members on for the 2012 fire season, Michael Peters the Assistant Lead permanent full time employee GS-07, and Bethany DeBlander seasonal employee GS-05. As a result we were not able to meet NWCG standards for a WFM, and our focus shifted to other activities that supported the National Parks fire programs. Below is a Brief summary of our activities and accomplishments:

- Assisted Color Country BLM with Greenville Bench Prescribed fire activities near Beaver Utah.
- DeBlander and Peters filled in on Zion's Engines and assisted with various Initial attack missions around the Color Country area in April and May
- For the latter part of May and the month of June, DeBlander and Peters performed regionally directed structure assessments at Capitol Reef, Timpanogos Cave, Golden Spike, Glen Canyon and Pipe Springs. Total number of assessments completed was 633.
- From July 1 – Oct 1 DeBlander was detailed to the Saguaro Wildland Fire Module in support of their operations.
- From July to present Peters assisted with providing supervision on numerous different Type 3 incidents in the Color Country area. Peters also supported fire activities on the larger fires in Idaho. Additionally, Peters filled in on a few different occasions as the Utah Parks Group Duty officer and acting FMO.
- Training Accomplishments: DeBlander was able to finish her Incident Commander Type 5 task book. Peters was able to finish his Fire Effects Monitor and Field Observer Task books.

In conclusion, the future of the Zion WFM looks to be in jeopardy, that is that the hiring freeze will continue due to continuing budget cuts to fire and fuels. While it is a loss to the Module program for now, the bright side is that DeBlander and Peters were presented with new and different opportunities to grow and expand professionally in ways that would not have happened during a “normal “ year, and for that we are grateful. While the future remains uncertain, we remain committed to the park service and look forward to serving in the different capacities that can be expected.

At the end of the season, with Michael Peters departure, the module was completely disbanded. Module vehicles and equipment was vacated from the Color Country Fire center and brought back to Zion Canyon. The equipment will be utilized by other modules and the positions will be held vacant until such a time that NPS Fire budgets recover. This does not appear likely in the next five years.

Zion Helitack Module 2012

The 2012 fire season started slow for Zion Helitack, but it didn't stay that way for a majority of the four-month contract.

Despite seeing almost no fire all the way into late June, when the smoke cleared on the year the crew had logged more than 45 fires, search and rescues, details in three other states and a 260 flight hours.

Zion Helitack handled everything from initial attack and incident command on Type 4 and 5 incidents to almost all aviation aspects of Type 1 fires. Crewmembers worked as air operations, air support, helibase manager and air base radio operator, and undertook such tasks as constructing fire line, building cargo loads, transporting hand crews and helping coordinate fire recon and mapping missions.

The crew's biggest non-fire accomplishment of the year was bringing short haul back to Zion National Park after it was set aside for 2011. In reintroducing the program, Zion Helitack conducted multiple field days in the park and Three Peaks Recreation Area to help certify and recertify law enforcement and fire personnel. Though it was not used in a live situation in 2012, short haul adds an invaluable search and rescue tool for the future.

On the training front, Zion Helitack helped teach Color Country's fire academy at Ponderosa Ranch and the Helicopter Crewmember course (S-271) in St. George. Though Zion Helitack had almost no action on the Arizona Strip, the crew saw fire off district in Idaho and sent detailers on engines and hand crews and to helibases as far as California, South Dakota and Colorado to assist the state with some of its most devastating wildfires in years. Crewmembers either got signed off on or moved closer to qualifications for Engine Boss, Crew Boss, Helicopter Manager, Type 1 Helibase Manager and Single-Engine Air Tanker Manager. All but one crewmember returned to Zion Helitack from 2011, something that proved almost necessary as the crew handled a dynamic season with just eight firefighters.

Throughout the season, the crew also completed miscellaneous missions and tasks such as smoke jumper retrievals, waste removal from Angels Landing and facilities renovation and improvement around the air center in Cedar City.

Zion Helitack was awarded the 2012 Wright Aviation Award for their quality program and leadership.

Zion Helitack Module 2012 continued

Flight Time	Passengers	Internal Cargo (lbs)	External Cargo (lbs)	Water Delivered (gl)
260.1	785	55,010	24,900	125,200

Initial Attacks = **39**

Aerial Ignition = **1**



Zion Engine Module 2012

The 2012 fire season was a particularly busy and challenging season for the staff of our Engine Modules. Fire season started on April 30th and continued to the end of September. Our engine modules responded to numerous incidents in all districts of Color Country and beyond, and played pivotal roles on WUI fires in Washington County. The apparatus was staffed at reduced levels and crews were stretched thin for most of the year.



Staffing created challenges

in 2012. Early season saw the loss of Ryan Muff to a permanent position on the Boise NF and the detail of Tom Green to CCIFC Dispatch. Ryan was the fourth crewmember in recent years that we trained up to ENGB only to have leave for the same position elsewhere, because the position elsewhere, while at the same grade level, was permanent. The National Park Service's inability to adequately fund these engines is the single greatest hurdle the module leaders and the Engine program faces. As a result of Ryan's departure the Assistant Module Leader positions remained vacant for the season. Two additional seasonal positions were left unfilled, leaving three person engine staffing on each truck, to perform all suppression staffing and fuels work for Zion and the Utah Parks Group.

Along with the reduction in staffing the 2012 fire season was one of the busiest in recent memory for our engine staff. The Zion Engine Modules responded to fifty-two incidents during a fire season that started on the last day of April and continued until the end of September. Engine Crewmembers spent a total of 414 days on fire assignments in 2012. In 2012 Color Country experienced record breaking indices in the months of May, June and July. Zion National Park was in Severity by early June and remained there through late July. Zion hosted three different engines on severity from the Boise NF and multiple overhead detailed as Duty Officer.

Zion Engine Module 2012 continued

Engine 611 was staffed with Greg Bartin as Module Leader. Trevor Williams and Ted Childers returned to staff E-611. Opportunities for growth were seized upon and Trevor was signed off as ICT5, HECM and ENGB this season. Ted Childers was able to complete FFT1 and ICT5 this season. Engine 612 was staffed with Bryan Bird as Module Leader. Patrick Johnson joined the staff from Zion Helitack and Andrew Becker returned to join the staff of E-612 for the season. Patrick also finished FFT1 and ICT5. While the staff was significantly smaller, it was a talented, experienced and flexible one.

Zion Engine Module staffing once again conducted all the fire refreshers for the Zion National Park fire program and all arduous duty pack testing for nearly 100 participants. The engine module leaders conducted and coordinated all of these trainings. Staff members issued gear to all park collateral duty firefighters assigned off unit, managed the fire cache, performed PM checks on seven fire management vehicles and the Type 2 support Water Tender, briefed incoming severity resources, monitored fuel moistures, performed all fuels reduction and RX burn preparation, strove for seven day staffing of the engines, supported Color Country Type 2 IA Crews with staff and overhead and supported Color Country IMT Type 3 with overhead (line supervision). In addition, staff went on details to both the Arizona Strip BLM helitack and the Grand Canyon Helicopter Training Academy. E-612 went on two out-of-the-area assignments to the Northern Rockies and Northern Great Plains regions for a total of 37 days serving as a severity resource for Wind Cave National Park and responding to 6 fires in three states. This assignment provided crucial Engine Boss detail opportunities for one Zion Helitack crew member and also one of our own Engine Module staff members. All reports were that Zion Engine Module Crewmembers performed an exceptionally high level of work while off unit on assignment.

Engine Module Crewmembers attended developmental training in May and worked on multiple task books. Six task books were completed by Engine Module staff in 2012, including ENGB and ICT5. The qualifications gained this year should make our staff stronger and more adaptable next season.

When not busy with fire suppression our engine modules performed fuels treatment work on the Upper Kolob Creek project and the Wildcat West RX unit. Throughout the season crewmembers spent 20+ days on those projects with an average of three people per day working. Eight hour work days and the Zion Soundscape Management Plan (no chainsaw use after 4pm) helped to limit the amount of work that could be accomplished daily. Hurdles notwithstanding, by the end of October 2012, 12 acres will have been treated in that area.

Zero lost time injuries were reported in 2012 by Engine Module Crewmembers and by all accounts it was a safe and productive fire season.

Zion Engine Module 2012 continued

Safety

- No lost time accidents this season.
- 17000+ miles driven with zero accidents or near misses.
- Numerous safety trainings completed, including Blood Borne Pathogen, HAZwopper, EMT refresher and Wilderness First Aid/CPR.

Training

Zion Engine staff conducted much of the training coordinated by the Utah Parks Group fire program. Engine staff members, once again, coordinated all three Zion Fire refreshers in 2012, coordinated all pack tests for Zion primary fire and collateral duty personnel, 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

Fires Staffed

52 wildfires/severity incidents staffed by the Zion Engines for a total of 109,251 acres burned.

92 total incidents responded to by engine staff including multiple SAR incidents at Zion and Grand Canyon National Park.

Fuels and Prescribed Fire

Fuels treatments in 2012 were impacted by the severity of the national and local fire season. Coupled with a 40% reduction in engine staffing in 2012, our capability to accomplish targeted acres was challenged. Zion Engine Module crewmember worked almost exclusively on the Upper Kolob Creek Mechanical treatment and the adjacent Wildcat West RX prep. By the end of October over 10 acres were mechanically cut and piled in the thick FM10 unit.

E-611 and E-612 staff helped complete the Zion Grass RX burn for a total of 40 acres.

2012 Zion Fire Business Management

Fire Management at Zion National Park 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, Fire Ecologist (vacant as of 8/11/12), Fire Information and Education Specialist, and Fire Program Management Assistant. Zion hosts a seven person Wildland Fire Module and Clerk but this year the PFT Module Leader, 3 STF Crewmembers and 1 seasonal position were vacant. Zion also hosts a four person Fire Effects Crew with a PSF Lead and three seasonal crewmembers, a 10 person Helicopter Module for the 120 day exclusive use helicopter contract and staffs three 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. The 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 NPS 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.

All fire related fiscal and administrative duties are accomplished by the Fire Program Management Assistant and the Fire Program Clerk. In 2012, duties included the timely and accurate preparation of Fire and Aviation Branch time and attendance reports for 30 employees and 3 emergency hires (ADs). The fire year resulted in the preparation and processing of 168 travel authorizations and vouchers related to meetings, training, emergency and non-emergency operations for branch employees.

In 2012 there were 96 accounts created by the Fire Program Management Assistant for the branch of fire and aviation under the direction and authorization of the Intermountain Region. Thirteen accounts were set up for suppression activities within the park boundary. Five Step-Up accounts were set up due to holiday (state and federal) weekends where a spike in visitation during hot, dry periods and Red Flag conditions warranted the need for additional staffing. Two FUEL accounts were set up (P11, W11) to track branch personnel working base hours on fuels related projects. Forty two P21 accounts were set up to track P funded personnel working base hours on emergency wildland fire incidents. Other accounts were created as base and project accounts. The authorized funding in fiscal year 2012 was approximately 2.04 million dollars.

FY 2011 AUTHORIZED FUNDING AMOUNTS

Wildland Fire Preparedness

P11 Readiness \$624,112

Hazardous Fuels Reduction – WUI

W11 Fuels Management \$556,067

W12 Fuels Projects-Prescribed Fire \$82,500

W14 Fire Effects Monitoring \$83,671

W15 Community Assistance Planning \$1,500

W22 Fuels Projects-Mechanical \$368,006

W32 Fuels Projects-Other Treatments \$3,000

Fire Protection Assistance

F13 Expenditure Account (Operations) \$10,000

Reimbursable Accounts

Program 474 (BRCA/Heli) \$24,800

Small Grant

Program SYG \$1,940

Severity

Program E14 \$288,123

Fuels Treatment Projects 2012

Project	Treatment Type	Acres
Campground Burn	Broadcast Burn	26
Kolob Creek Hand Piles	Pile Burn	19
Kolob Creek Thinning	Mechanical	19
Wildcat Rx Prep	Mechanical	19
Zion Grass Prep	Mechanical	5
Zion Grass Chemical	Chemical	29
Zion Grass Rx	Broadcast Burn	44
Parkwide WUI Piles	Pile Burn	5

Total **166 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



Zion Canyon Grass Prescribed Fire



Oak Creek Housing Fuel Reduction

Zion NP Wildland Fires – 2012

Wildland Fire	Date	Acres	Cause	Action Taken
Switchback	1/20	.1	Human	Suppression
Checkerboard	5/19	.2	Human	Suppression
Jobs Head	7/17	.5	Lightning	Suppression
Heaps	7/20	.5	Lightning	Managed
Clave	7/24	.5	Lightning	Suppression
Timber Creek	8/4	.1	Lightning	Suppression
Kinesava	8/17	.1	Lightning	Suppression
Stake	8/19	.1	Lightning	Suppression
Ram	8/31	.1	Lightning	Suppression
Bridge Mt.	9/24	.5	Lightning	Suppression
Total (10 Fires)		3.1 acres		



Checkerboard Fire



Springdale Fire

2012 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 Martin
Engine Supervisor - Bryan Bird

Helitack Module

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

Wildland Fire Module

Assistant Module Leader – Michael Peters

Seasonal Staff

Fire Effects Crew - Andrea Tomlinson
Fire Effects Crew - Elizabeth Dodson
Fire Effects Crew - Adam Birely

Engine Crew - Trevor Williams
Engine Crew - Andrew Becker
Engine Crew - Patrick Johnson
Engine Crew - Ted Childers

Wildland Fire Module - Bethany Deblander

Helitack Module - Norman Allen
Helitack Module - Michael Sellers
Helitack Module - Isaiah Guzman
Helitack Module - Gabriel Ramirez