

Resources List and Assignments for June 30, 2013

Yarnell Hill Fire (AZ-A1S-130688)

Structure Protection Group II

Group Supervisor Darrell Willis, Prescott Fire Department

Task Force #1 Leader Todd Foster, Tempe Fire Department

Task Force #1 Trainee Cory Mosser, Prescott Fire Department

Resources:

TNF E58	Daisy Mountain BR146
BLM E3665	Wickenburg SQ751
Chino Valley E61	Congress WT 1
Rio Verde E441	Phoenix WT54
Phoenix BR48	Surprise WT
Mesa BR219	Yuma DOC T2 crew

Assignment:

Scout Double Bar A Ranch and the Model Creek area for residences, structures and improvements. Try to map area and get a count on number of threatened structures. Begin structure prep on threatened locations and set up structure protection sprinkler kits where indicated. Create a defensive plan. Overall strategy expressed to me by Chief Willis was "prep and leave" based on established trigger points. We expected the fire to move through the area, and no crews would stay as the fire moved through as there was none/limited defensible space and no established safety zones.

Initial resources on line prior to my arrival:

AZ-TNF Engine 58 (Type 3): Working on Structure prep at Double Bar A Ranch
BLM E3665 (Type 3): Working on Structure prep at Double Bar A Ranch
BLM E1660 (Type 6): Release at approx 1030 after scouting Model Creek Road. They were going on 30+ hours, so I sent them in to ICP for rest.

Assigned resources:

Yuma DOC Type 2 crew: working with Darrell on Double Bar A ranch prep, along with TNF E58 and BLM E3665.

Chino Valley E61 (Type 6): assigned to prep structures (3 residences) on Miner's Camp Road. Initial work was on pumpkin house and then "ranch house", the middle or second residence on Miner's Camp Road.

Rio Verde E441 (Type 6): Initially assigned to map western areas of Model Creek Road. Then assigned to most southern house on Miner's Camp Road to set up sprinkler kit (Would be referred to as the "pumpkin house" as it was first with a pumpkin tank set up for sprinklers): This residence was identified as the most threatened.

Prescott FD Sprinkler trailer: Assigned to most southern residence on Miner's Camp Road with Rio Verde E441. Tasked to set up sprinklers at residence and then prepare additional houses when identified.

Mesa BR219 (Type 6): Assigned to the Rough Residence off Model Creek Road. This location had a prominent view of the area. BR219 was to prep the structure and serve as a lookout for the Task Force working in the area. Trigger points were established with 219 for notification of crews to end preparations and leave the area.

TFLD(t) Mosser was asked to make contact with resources (TNF E58 and BLM E3665) at Double Bar A Ranch that I had not been able to meet face-to-face yet. Assignment was to brief them on assignment to Task Force, ensure we had LCES, and assist Chief Willis with prepping the ranch. He was asked to get back to me with any additional needs or concerns. I met face to face with him mid-day and he indicated he was comfortable with the plan and operations and briefed me on the ranch defense plan. Later Chief Willis, TFLD(t) Mosser and the resources at Double Bar A ranch would implement their burn plan and leave the site as the fire moved around and through the ranch.

Phoenix BR48 (Type 6): Assigned to what would be referred to as the "Rock House". This was the first residence on Miner's Camp Road when turning in off Model Creek Road. Structure was made of local rock. Crew was to prep structure and set up a sprinkler system.

Groom Creek Sprinkler Trailer: Assigned with BR48 at the Rock House to set up a sprinkler system. A drop tank would be brought in to support the system by Phoenix Tender 54.

Congress WT 1: Assigned to maintain a water supply to sprinkler system at the "pumpkin house" at the end of Miner's Camp Road with Rio Verde E441.

Phoenix WT54: Assigned to drop off fold-a-tank at the "rock house" on Miner's Camp Road and maintain a water supply to support sprinkler system.

Daisy Mountain BR146 (Type 6): Assigned to structure triage and prep in the Monica Mine Road area. This area was west of Miner's Camp Road location.

Wickenburg Squad 751 (Type 6): Assigned to assist BR146 with structure triage and prep in the Monica Mine Road area.

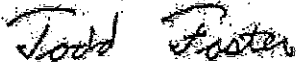
Surprise WT: Assigned to stage at intersection of Double Bar A Road and Model Creek Road. Intent was to provide a water supply location for engines if needed that was not in the way on narrow roads in Double Bar A ranch and up Model Creek Road. This location was very close to ICP and a safety zone and accessible by resources in both areas.

Queen Creek WT411: Assigned to provide additional water to both pumpkins on Miner's Camp Road. WT411 made only one trip and was then instructed to head into ICP with Surprise WT due to fire advance on Model Canyon Road near Double Bar A intersection.

Surprise WT, Queen Creek WT411 and Phoenix WT54 were all later pulled from Task Force for use in Yarnell.

In general, I did not work with TNF E58, BLM E3665, or Yuma DOC. They were at all times with Darrell Willis and Cory Mosser in the Double Bar A ranch. I did meet with them at the ranch at one point, and both indicated they were fine, had a plan in place and needed nothing further. Once the main fire impacted the ranch, they implemented their plan and departed the ranch area. Those resources departed with Willis to my knowledge, and I did not interact with them the rest of the day. I believe they went into Yarnell with Chief Willis to assist with structure protection there.

NOTE: Miner's Camp Road is not listed on included map. It is a general north/south running road connecting the Model Creek road on the north with the Hays Ranch Road or Double Bar A Road on the south.



Todd Foster, TFLD
July 21, 2013

UNIT LOG		1. Incident Name	2. Date Prepared	3. Time Prepared
4. Unit Name/Designators		5. Unit Leader (Name and Position)	6. Operational Period	
TF2D 2		Tyson Esquivel TFLD(H)	6/30	
7. Activity Log (Continue on Reverse)				
Major Events				
Time				
0720	check in @ Peoples Valley HS			
0830-0930	briefing assigned E-59(H), WT 755(D), E-751(2), E-146(H), E-59, WT 54, E-64, E-131(4), E-103(4) - working for St. George 1 Gary Linderes with TF2			
1015	all TF2 resources @ Gate for breakfast briefing			
	Gate is safety zone on Tac 2, local units collecting maps			
1030	E-103 + E-146 to Mazanita Rd to Boulder Sprgs Ranch to meet w/ St George 1, assess KM suggests + start triage in area			
1055	all other units assigned from Shawa Rd to mtld Vannell to begin structure triage + Locana Rds			
	lookout/PID contact WT 755 at Gate, Gate at			
	inquiries from citizens to all resources			
	escape route, 1 way rds to Gate			
1130-1200	E-156(5), assigned to TF2 per my request thru TF1 + St George 2, E-103 + E-146 triage and working around structures, E-131 found lookout pt. on Westway Rd, will be taking notes			
8. Prepared By (Name and Position):				
Tyson Esquivel TFLD(H)				

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7. Activity Log (Continued)

Major Events

Time	
1330	met w/ all TF2 resources to change to Tac 3 as requested by St Group 1, Tac 2 was becoming overloaded w/ traffic
1345	met w/ St Group 1 on Hwy 89 - to discuss evac pts for Yarnall, line is N of main range N of Yarnall, wind driven moving towards Peoples Valley
1400	Indicators of unstable atmosphere observed on head of line
1415	TF2 1 request E-146 to St Group 2, sent to Peoples Valley.
1445	met w/ St Group 2, plan to use TF2 resources to tie Dozer Inc to rock outcrop on Mtn. W of Shrine Rd in Harper Canyon, Blue Ridge IHC & Granite Mtn. IHC to improve Dozer Inc, prepared burnout possible in night on evening MCSO starts evac of Yarnall.
1500	brief resources on plan
1515	set trigger pt in Harper Canyon for crews to pull out, saddle W of work area about 1/2 mile
1610	Fire behavior increase, horizontal vortex, moving 3-4 mi/hr, lots of commo w/ leakouts, E-131 at leakout on Westway, St Group 1 on Hwy 89.

8. Prepared By (Name and Position):

UNIT LOG		1. Incident Name	2. Date Prepared	3. Time Prepared
4. Unit Name/Designators		5. Unit Leader (Name and Position)	6. Operational Period	
		TF2 Tyson Esquibel	6/30	
7. Activity Log (Continue on Reverse)				
Major Events				
Time				
1620	met w/ lpt 1008, plan to move resources to safety zone			
1622	winds increase to 45 mph out of w/ visibility, drop to 150 yds, spraying increase, crews quickly move towards trucks			
1630	all crews assembled + accounted for at trucks TF2 + Blue Ridge IHC move towards safe safety zone			
1632	St Group 1 request (1) engine to Boulder Spgs. TF2 request after regroup @ Safety Zone St Group 1 agrees and will meet at safe safety zone			
approx 1645	deployment traffic			
1655	assemble w/ 4 medics, myself, and all A's gear to do recon for GM IHC + start treatment if needed			
1705	G-131, G-156-G-59 go back into Glen Hill to help evac citizens + save salvageable structures			
1715	resources come back out, Blue Ridge IHC and more out			
1750	plan to reengage structures but is too hot and winds increase from N			
8. Prepared By (Name and Position):				
Tyson Esquibel TF2 (1)				

waiting for info

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7. Activity Log (Continued)	
Time	Major Events
1840	leave safety zone, resources to save structures on Hwy 89 from cave to N of downtown (2) evacuees transported to ICP by myself Bob + Ruth Hodge 22680 W. Marzanita
1900	added G-287 + Phx WT 54 to TF 2, resources down, sm burnout on E side of Hwy 89 around cave, other units forming cave and structures in vicinity, lots of ember wash
2020	NTV (4) Sahara takes G-103 + G-287, G-13, to Yarnell Hill area for structure protection of threatened homes
2100	resources will either work thru night or keep in rotation one person awake to monitor, G-156 will work Glen Tlah area thru night, will mitigate all resources in morning
2200	NTV Philbin takes night shift NTV

8. Prepared By (Name and Position):

UNIT LOG		1. Incident Name	2. Date Prepared	3. Time Prepared
		Yarnell Hill	06/30/2013	2400
4. Unit Name/Designators		5. Unit Leader (Name and Position)		6. Operational Period
Fire Behavior		Byron R. Kimball Fire Behavior Analyst		06/30/2013
7. Roster of Assigned Personnel				
Name		ICS Position		Home Base
Byron R. Kimball		Fire Behavior Analyst		Phoenix, AZ
8. Activity Log				
Time	Major Events			
1330	Fire has moved further to the east.. Making additional pushes at ICP. (Photo)			
1402	receive call from NWS Flagstaff about developing Thunder storms to east of fire. Possible downdrfat winds with cells.			
	Winds predicted to be 30 to 40 mph. Had had previous conversation with OPS about presence of cells to east of fire..			
	Warning from NWS Flagstaff passed on to OPS			
1500	Fire continuing to bounce East at north end. continued flanking and head runs. (Photo)			
1526	receive call from NWS Flagstaff. Outflow boundary from Strong T-cells approaching fire from North North east.			
	Outflow boundary predicted to hit fire within the next hour. Winds 45 to 50 mph.			
	Warning of Outflow Boundary passed to OPS with timing and predicted winds.			
1615	Increase in Fire Behavior and Fire starts to move south.			
1645	Fire moving strongly South, across slope behind Yarnell. (Photos)			
1652	Notified of potential entrapment by IC. Moved to Ranch House Restaurant on South end of Yarnell.			
1900	Back at ICP, begin working on fire behavior forecast for tomorrow			
2123	Place request for Spot forecast for tomorrow with NWS Flagstaff			
2151	Notified from NWS Flagstaff, Spot Complete			
2400	off shift			

9. Prepared by (Name and Position)

Byron R. Kimball, Fire Behavior Analyst.

INCIDENT – FIRE BEHAVIOR LOG

NAME OF INCIDENT:	Yarnell Hill	AZ-A1S-130688	
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DAY 01 Friday	DATE: June 28, 2013	
Yarnell Hill Incident reported as a single lightning struck tree at 1745. Fire is ringed with retardant and not active.		

DAY 02 Saturday	DATE: June 29, 2013	
Recon flight is flown early and fire appears inactive. At approximately 1430, fire activity picks up and fire starts to grow. Fire is estimated at 6 acres by 1730 and 100 acres by 2130.		

DAY 03 Sunday	DATE: June 30, 2013	
Fire reported to have been active till after midnight. At 0800, estimated size is 300 acres. Fire is quiet with only two areas of activity. One area on the west side of the ridge backing down towards Congress. The other area is in the upper third of the slope above Yarnell. Fire begins to be active at approx 0830 on the east side of the ridge and is fully active and moving by 1000. By Noon, fire has advanced north through draw at toe of the slope and threatening structures at Double A Bar Ranch. ROS of 30 to 40 ch/hr with Flame Lengths of 15 to 25 ft. during the run. Fire sends several pulses to the north threatening Subdivisions and ICP on South side of Peeples Valley. At Approx 1600, Out flow winds from Thundercell activity East of the fire push fire rapidly to the south and into the south end of Yarnell. Run covered 4 miles in approx 20min. with 20 to 30 ft flame lengths. Spotting not a significant problem. Fire continues to be active through the evening, with reported active fire behavior till 0300.		

DAY 04 Monday	DATE: July 01, 2013	
Fire is quiet till about 0830. Activity starts on the Northwest corner to continue to push north midslope along a bench.		

DAY 05	DATE:	

DAY 06	DATE:	

DAY 07	DATE:	

DAY 08	DATE:	

DAY 09	DATE:	

Fire Behavior Summary
Yarnell Hill Incident, AZ-A1S-130688

The Yarnell Hill Fire started as a single lightning struck tree on the ridge near Yarnell Hill at approximately 1735 on Friday, June 28, 2013. Fire activity was minimal the first day and by the end of the burning period the fire had little growth and had been ringed with retardant. Fire activity picked up by midafternoon on June 29th and the fire had grown to 300 acres by 0800 on the 30th. The fire spread aggressively all day and by midafternoon had grown to approximately 1000 acres and was threatening the developed areas of the community of Peebles Valley. Thunder cell outflows then struck the fire, sending it south with extreme fire behavior associated with it. It impacted the South end of Yarnell and was able to cross HWY 89.

Fuels and Fuel Moisture

The entire state of Arizona is seeing the effects of multiple years of below average winter rainfall and spotty monsoonal flow. Live fuel moistures were calculated in the mid to low 75% range in woody fuels, and in the low 30% range for herbaceous fuels. Local RAWS units were showing 1000-hr fuel moistures to be below 9% across the fire area. Fine fuel growth had been limited by the lack of moisture, and what fine fuel was present was fully cured. All dead fuel classes were calculated as having fuel moistures in the single digits.

Fuels in the fire area are characterized by where they fall along the slope of the ridge. The valley floor is grass in large swaths that has been grazed. From the toe of the slope up through the middle third, fuels are fairly continuous fields of oak brush, mixed with Manzanita. The upper third of the slope is characterized by a more open and non contiguous brush field. Fine fuels are present in the grass fields and in some of the openings in the brush. As the fire moves north, Pinyon Pine and Juniper become present along the ridges and in the more moist locations on the Northern and Eastern aspects of the slopes.

Fuels on the fire were modeled using the 40 fuel models from "Standard Fire Behavior Fuel Models: A Comprehensive Set for Use with Rothermel's Surface Fire Spread Model". The models chosen were GS-2, Moderate Load, Dry Climate Grass-Shrub, and SH-5 High Load, Dry Climate Shrub. The Pinyon Juniper fuels are also modeling as a brush model.

Terrain

The terrain in the fire area is dominated by a ridge which runs along the western edge of Peebles Valley. The high points of the ridge are at about 5500 ft and drops off to about 4200 ft along State Hwy 89. The West side of the ridge drops down to 3200 ft in the Congress area west of the fire. The valley floor is relatively flat with gentle slopes and draws in the lower third of the slope. The terrain steepens the farther upslope one goes.

Weather

A predominate feature of the weather for the Yarnell Hill incident was the presence for several days before the fire of record high temperatures across the state. Associated with this were single digit relative humidities and very poor overnight recovery. The fire was ignited by lightning and thundercells continued to be present in the fire area. The large growth day on June 30 was partially driven by 35 to 45 mph outflow winds from thundercells to the east of the fire area.

TONY SCIACCA
LINE Safety

Unit Log

On July 30 2013 1500 hours ICP Yarnell Incident

1505 in-briefed with IC Roy Hall General overview

1515 In-briefed with ops Paul Musser on general fire conditions. Assigned as line safety officer

1530 meet with structure group supervisor Darrell Willis on north end of fire.

1600 moved to east side of fire due to changing wind direction recon safety concern in the town of Yarnell

1615 In town of Yarnell, Evacuation in progress with sheriff department, driving roads trying to evaluate impact of fire entering community.

1630 on highway 89 at restaurant in Yarnell hearing reports of fire shelter entrapment with Granite Mt hotshots.

1630 and beyond I was in Yarnell as the fire hit the community and a rescue operation was being organized by Todd Able and others.

Yarnell Hill Opps 214

- Paul Musser and Todd Abel were first called for Type 3 assignment on evening of June 29, (6 acres at call time)
- T. Abel arrived 0600 at Yarnell Fire Station
- Abel began resource tracking
- 0700 Paul Musser arrived
- Discussion with Type 4 IC
- Granite MTN on scene, in briefed with Abel and E. Marsh. Talked about spot weather forecast, current monsoon weather, frequencies, and tactics with OSC Abel. Abel and Marsh discussed and agreed that Marsh would take Division Supervisor on Division A. J. Steed would be the Granite Mountain crew boss. Establish an anchor point was their first mission.
- Gary Cortis is running structure protection on the south end.
- Gary led Granite Mtn. to dozer line and old road to access ridge.
- T. Abel staged Blue Ridge at Yarnell Fire Station and then assigned Blue Ridge crew to Division A.
- T. Abel set up two Structure Protection task forces.
- Dozer worked road down in the flats.
- At about 10:20 am team assumed command of the fire. OSC Abel and Musser flew fire at 1045-1100 am and at that time fire was moving to the N – NE. SEATS were working on fire. Around 1200 first VLAT arrived.
- T. Abel flew fire for the second time, around 1230-1300. At that time, fire was active on east flank and head of fire was pushing to the north with a horseshoe shape. Fire was pushing towards Model Creek and threatening structures.
- Rance Marquez was assigned Division Z and briefed by OSC Abel. He was informed to contact Div A and decide on a division break.
- Paul Musser and the IC talked about the fire threatening the ICP. They moved vehicle to the back of the school to better protect the school. The fire slowed at Model Creek road and was held at that location.
Bravo 33 is working air tankers and SEATS including a VLAT.
- Abel requests Bravo 33 to check on Granite Mountain crew. Bravo 33 confirms that Granite Mountain crew is in the black.
- The fire turned and is running due east, acquired a type 6 engine and other personnel to protect structures on sickles road. The fire turned to the south. Air attack asked about evacuation of Yarnell. Checked on Blue Ridge crew, they were on dozer line.
- Both Abel and Musser hear very excited radio traffic that was not understandable from Granite 7 or a Granite Mountain member on air to ground radio frequency.
- Structures were burning in Yarnell, heavy smoke, fire crossed highway 89, propane tanks exploding all as search began for the Granite Mountain crew.
- Abel moved from north end of fire to Yarnell where an incident within an incident was set up at the restaurant with Abel as Granit IC for the burn-over response and Musser running all

operations for the fire. Gary Cortis continued with structure protection with the resources not committed to the Granit incident. Bravo 33 and other aircraft made attempts to get into area of last reported locations of Granite mountain crew. Blue Ridge and Prescott NF personnel began looking for Granite Mountain crew by ground search.

- A dust storm warning came again about 2400 that evening after the deployments the wind shifted and pushed the fire to the northeast burning a few additional structures.

UNIT LOG

1. Incident Name
YARNELL Hills

2. Date Prepared

JUN 30 13

3. Time Prepared

2200

4. Unit Name/Designators

Safety

5. Unit Leader (Name and Position)

Cole

6. Operational Period

2 DAY

7. Activity Log (Continue on Reverse)

Time

Major Events

1330

Genn Sokie from the AZ State Type III team called me and asked if I would come to the fire in Yarnell to help out with Safety. I said I would and waited for order from Prescott NF Dispatch.

1345

Tony Sciacca called me and said he was enroute to YARNELL. I told him I would be there as soon as I got the order.

1430

received order and travel to Yarnell. Drove through large rain storm Williamson Valley to Prescott got fuel in Prescott, left Prescott via Iron Springs Rd. encountered large amount of rain west of Prescott. Before entering into Skull Valley observed large column over Yarnell Area.

8. Prepared By (Name and Position):

7. Activity Log (Continued)

Major Events

Also encountered large wind 30 to 40 mph just before Skull Valley Attempted to make contact with Tommy Sicker and Darrel Willis but only got answering machine. Called Glenn Jorie he said he would forward info about the winds to IC Hall at ICP.

Arrived at ICP in Peoples Valley checked in with finance and talked to medical unit. Asked in camp if there was anyone who could clone a radio no one could.

Proceeded to the fire area to get someone on the fire to clone radio going from Peoples Valley to Yarnell observed extreme fire behavior moving from the north to the south. Saw one of the AZ State truck along the highway asked for a clone.

by (Name and Position):

Rain Drops were encountered at this time.

LOG

1. Incident Name

2. Date Prepared

3. Time Prepared

Designators

Nue from

5. Unit Leader (Name and Position)

Page 1

6. Operational Period

7. Activity Log (Continue on Reverse)

Major Events

When I Aproved him A lot of Radio traffic, he asked me to stand by while he Listen to the traffic.

Listening to the traffic I heard a excited voice GRANIT M-7 calling to I believe Air Attack, Air Attack tried to get him to CALM down. I heard Todd Able call Air Attack to find out what the problem was. few minutes went by and I heard Eric marsh GM Sup call Air Attack and said they had been cut off from there escape Route. And where Preparing to deploy the shelters, and would call back when everyone was in shelters. NO further communication was heard. Deployment occurred in division A.

Name and Position):

7. Activity Log (Continued)

Major Events

Incident within a Incident was
Established Todd Allen being

Grant Mt IC

Cocaine clothes medical group

Steve Emery Triad Group

Gary Cordes Treatment Group

Grant Mt Fire Attack was established

DPS Ranger 58 Recon

Packs were seen 34 13, 70 112 4750

Arrow Holberg Jason Clawson

KC Vowell made Access into the
fire Area Looking for the crew.

Search party found All Victims,

multiple homes destroyed in Varnell
Extreme fire behavior, Fire crossed
eg made multiple runs on town

All times are Approximate.

by (Name and Position):

UNIT LOG		1. Incident Name	2. Date Prepared	3. Time Prepared
4. Unit Name/Designators		5. Unit Leader (Name and Position)	6. Operational Period	
TF2D 2		Tyson Esquivel TFLD(H)	6/30	
7. Activity Log (Continue on Reverse)				
Major Events				
Time				
0720	check in @ Peoples Valley HS			
0830-0930	briefing assigned E-59(4), WT 755(10), E-751(2), E146(4), E-94, WT 54, E-64, E-131(4), E-103(4) - working for St. Group 1 bary Cordes with TF2			
1015	Weather: 101-104, RH around 10%, wind SW 10-20 mph all TF2 resources @ Cafe for breakfast briefing Cafe is safety zone on Tac 2, local units collecting maps			
1030	E-103 + E-146 to Mazanita Rd to Boulder Sprgs Ranch to meet w/ St Group 1, assess KM buggies + start triage in area			
1055	all other units assigned from Shawa Rd to mtld Vannell to begin structure triage + learn Rds lookout/PID contact WT 755 at Cafe, photo at inquiries from citizens to all resources			
1130-1200	escape route, 1 way pds to cafe E-156(5), assigned to TF2 per my request thru TF1 + St Group 2, E-103 + E-146 triage and working around structures, E-131 found lookout pt. on Westway Rd, will be taking weather			
8. Prepared By (Name and Position):				
Tyson Esquivel TFLD(H)				

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7. Activity Log (Continued)

Major Events

Time	Major Events
1330	met w/ all TF2 resources to change to Tac 3 as requested by St Group 1, Tac 2 was becoming overloaded w/ traffic
1345	met w/ St Group 1 on Hwy 89 - to discuss evac jobs for Yarnell, line to N at main range N of Yarnell, wind driven moving towards Peoples Valley
1400	indicators of unstable atmosphere observed on head of fire
1415	TF2 1 request E-146 to St Group 2, sent to Peoples Valley.
1445	met w/ St Group 2, plan to use TF2 resources to tie Dozer line to rock outcrop on Mtn. W of Shrine Rd in Harper Canyon, Blue Ridge IHC & Granite Mtn. IHC to improve Dozer line, proposed burnout possible in night on evening MCSO starts evac of Yarnell.
1500	brief resources on plan
1515	set trigger pt in Harper Canyon for crews to pull out, saddle W of work area about 1/2 mile
1610	fire behavior increase, horizontal vortex, moving 3-6 ft/s, lots of commo w/ lookouts, E-131 not lookout on Westway, St Group 1 on Hwy 89.

8. Prepared By (Name and Position):

UNIT LOG		1. Incident Name	2. Date Prepared	3. Time Prepared
4. Unit Name/Designators		5. Unit Leader (Name and Position)	6. Operational Period	
		TF 2 Tyson Esquivel	6/30	
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1622	winds increase to 45 mph out of W, visibility drops to 150 yds, spotting increase, crews briskly move towards trucks			
1630	all crews assembled & accounted for at trucks TF 2 & Blue Ridge THC move towards late safety zone			
1632	St Group 1 request (1) engine to Boulder Spgs. TF 2 request after regroup @ Safety Zone (7 Group) agrees and will meet at late safety zone			
approx 1645	deployment traffic			
1655	assemble w/ 4 medics, myself, and all ALS gear to do recon for GM THC & start treatment if needed			
1705	G-131, E-156-G-59 go back into Glen Hill to help crew citizens / save saveable structures			
1715	resources come back out, Blue Ridge THC and more			
1750	plan to reengage structures but is too hot and winds increase from N			
8. Prepared By (Name and Position):				
Tyson Esquivel TFLA (7)				

waiting for info

out

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7. Activity Log (Continued)	
Time	Major Events
1840	leave safety zone, resources to save structures on Hwy 89 from cafe to N of downtown (2) evacuees transported to ICP by myself Bob + Ruth Hodge 22680 W. Manzanita
1900	added G-287 + Phx WT 54 to IF 2, resources down sm burnant on E side of Hwy 89 around cafe, other units forming cafe and structures in vicinity, lots of ember mesh
2020	DIV (H) Sahara takes G-103 + G-287, G-131, to Yarnall Hill area for structure protection of threatened homes
2100	resources will either work three night or keep in rotation one person awake to monitor, G-156 will work Glen Tlah area three night, will mitigate all resources in morning
2200	DIV Philbin takes night shift DIV
8. Prepared By (Name and Position):	

Helibase Manager until the HEB1 that was on order arrived.

- 1115 Received contact information for the manager of Maughn Ranches. Met with Ranch Manager Don Glasgow and advised that we needed to create a land use agreement with the ranch for helicopter operations. Also advised that the original helibase site could not meet our needs, and asked if he had any suggestions for an alternate site. He agreed to meet me back at the Incident Command Post for further discussion.
- 1130 Dan Sullivan, a qualified Air Support Group Supervisor from the Prescott National Forest arrived and offered to assist.
- 1150 Dan Sullivan and myself met with Don Glasgow at the Incident Command Post and discussed an alternative helibase location. Don offered a private airstrip owned by the ranch. Dan said that he would check out the airstrip to see if it could safely meet our needs.
- 1205 Our team held a stand-up meeting at the Incident Command Post to discuss progress, concerns, and issues within our respective groups.
- 1245 I went to the helicopter dipsite located at Hidden Springs Ranch in Peebles Valley and visited with the dipsite manager. They were doing a good job, however, I was concerned about the dipsite location being in close proximity to buildings, powerlines, Highway 89, and an overall congested area. This location was initially selected as it was the only water source available that could adequately support the incident.
- 1430 Met with Helibase Manager (Eric) and discussed our concerns as to the location of the temporary helibase which was on the west side of Hayes Ranch Road. The fire was moving in that direction and on the same side of the road. We decided to move the aircraft to a safer area on the east side of Hayes Ranch Road to mitigate this situation. We still did not have an approved helibase location.

1700 Met with the pilot and crew of DPS Ranger 58 and talked about the possibility of doing an aerial reconnaissance mission to search for the Granite Mountain Hotshot Crew. The pilot felt that the smoke had cleared enough to initiate a search. He contacted Bravo 3 and the search began.

1740 Yavapai County Sheriffs ordered six "life flight" helicopters. As they arrived, they began landing in a field at the junction of Hayes Ranch Road and Highway 89. This became the primary helibase for all rotorwing aircraft.

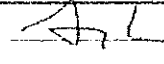
1830 Yavapai County Sheriff asked if I could locate the ground ambulances that had staged on Highway 89 east of Peeples Valley, and have them join up with the medevac aircraft. I did so.

1930 It was determined that the medevac aircraft and ground ambulances would not be needed and they were all released back to their home units.

2000 All other agency rotorwing aircraft were put out of service due to official aircraft "cut-off" times.

2020 DPS Ranger 58 released back to Phoenix.

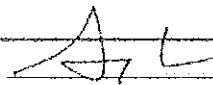
ACTIVITY LOG (ICS 214)

1. Incident Name: HARNELL HILL		2. Operational Period: Date From: 6/29/13 Date To: 6/30/13 Time From: 2230 Time To: 2330	
3. Name: GARY CORDESS		4. ICS Position: STRUCTURE GROUP 1	
5. Home Agency (and Unit): CYFD			
6. Resources Assigned:			
Name		ICS Position	
Home Agency (and Unit)			
7. Activity Log:			
Date/Time		Notable Activities	
6/29 2230		DISPATCHED TO HARNELL HILL	
2340		TIED IN WITH IC. RUSS. SCHEMATIC ASSIGNMENT S&I	
2350		DRIVE TOWN ROADS ASSESS ACCESS & VALUED AT RISK	
		IDENTIFY TRAVEL ROUTES, SAFETY ZONES AMOUNT OF	
		STRUCTURES AT RISK	
6/30 0100		MET WITH IC & DREW FROM BLM WENT OVER MAPS	
		AND LOOKED FOR ROADS THAT COULD BE USED OR	
		IMPROVED FOR FIRE CONTROL	
6/30 0115		ASSESSING ROADS FOR INDIRECT CONTROL	
6/30 0215		ORDERED DOZER FROM IC	
6/30 0300		MET WITH IC AND STRUCTURE GROUP 2 REQUESTING	
		ADDITIONAL RESOURCES FOR OPERATIONAL PERIOD	
6/30 0330		CONTINUED DRIVING ROADS, SURVEYING AREA	
6/30 0440		PARKED ON SESAME STREET HILLON WEST INTO EAST	
		FLANIL OR FIRE. FIRE LINE COULD HOLD IN CUTOIL	
		WITH SLURRY FROM YESTERDAY. WALKED BRANCA ROAD	
		NORTH ASSESS DOZER LINE POTENTIAL	
6/30 0600		REPORTED FINDING WITH IC, TODD ABOL, PAUL MUSSOR	
		AND FIRE MARSHAL	
		IT WAS DECIDED IT WOULD BE PRUDENT TO GO DIRECT ON	
		THE INACTIVE EAST FLANIL TO WORK THE HILL TO SOUTH	
6/30 0645		ESCORTED GRANITE MOUNTAIN DOWN SESAME STREET	
		AND STATED LOCATION OF SAFETY ZONE @ BOULDER SPR	
		RANCA & BLACK. DISCUSSED DOZER LINE PLAN.	
8. Prepared by: Name: GARY CORDESS Position/Title: STRUCTURE GRPSignature: 			
ICS 214, Page 1		Date/Time: 7/26/13 1400	

ACTIVITY LOG (ICS 214)

1. Incident Name: <u>YARNOLL HILL</u>		2. Operational Period: Date From: <u>6/29/13</u> Date To: <u>6/30/13</u> Time From: <u>2230</u> Time To: <u>2330</u>	
7. Activity Log (continuation):			
Date/Time	Notable Activities		
6/30 0845	DOZER ARRIVED - STARTED THEM TO WORK AFTER BRIEFING ON SESAME STREET. ORDERED DOZER BOSS STAYED WITH DOZER PUSHING LINE UNTILL BALL FROM BLUE RIDGE TOOK THE DOZER BOSS POSITION. BALL WAS BRIEFED ON OPERATION AND INTENT.		
6/30 1000	TYSON - TASK FORCE LONDON WITH 4 TYPE 6 & 2 TOWDORS SHOWED UP. BRIEFED & ASSIGNED TO RECON THE COMMUNITY & MADE A PRESENT REQUESTED A FREQUENCY CHANGE TO A SEPARATE TAC DUE TO INCREASE ACTIVITY WITH STR GRP 2 SHARING TAC 2. TAC 3 ASSIGNED ALL RESOURCES NOTIFICATION & MOVED TO TAC 3		
6/30 1230	YCSO STARTED PRE EVAL NOTICE		
6/30 1530	FIRE TURNED 90° FROM NE ACTIVITY TO SSW FROM OUT FLOW OF STORM N OF FIRE FLANK - APPROX 3 MILES BECAME ACTIVE HEAD MOVING S-SW		
6/30 1540	YARNOLL EVAL TRIGGER POINT MET EVAL REQUESTOR		
6/30 1545	OPS - MUSSON MET & DISCUSSED OPTIONS		
6/30 1550	TRIGGER POINT FOR CREW REMOVAL MET ORDERED TO START OUT OF ASSIGNED AREA		
6/30 1555	FIRE HITTING TOP OF RIDGE NORTH SIDE OF TOWN ASL OPS - ABL TO HAVE AIR OPS START DROPPING AT WILL. ALSO ADVISED I HAD LOST USE OF AIR TO GROUND FX.		
6/30 1600	FIRE HITTING TOWN ASSISTING WITH EVAL		
6/30 1615	MET @ STABLING TO THE IN WITH ASSIGNED RESOURCES ADVISED OF DEPLOYMENT BY G59.		
6/30 1620	ENTERED SUBDIVISION OF GLENN PLANT REMOVING 4 STRANDED ELDERLY ON SEVERAL TRIPS IN AND OUT TURNED OVER TO AMBULANCE FOR TX.		
1650	TALKED WITH OPS - MUSSON ON CONDUCTING ASSIGNMENT OF TAKING TRANSPORT GROUP FOR THE MEDICAL GROUP & ABANDONING THE STRUCTURE ASSIGNMENT. ADVISED TO STAY WITH ORIGINAL MISSION		
8. Prepared by: Name: <u>LARRY CORN</u>		Position/Title: <u>STRUCTURE GRP</u> Signature: <u>AL</u>	
ICS 214, Page 2		Date/Time: <u>7/26/13 1400</u>	

ACTIVITY LOG (ICS 214)

1. Incident Name: YARNELL HILL		2. Operational Period: Date From: 6/29/13 Date To: 6/30/13 Time From: 2230 Time To: 2330	
7. Activity Log (continuation):			
Date/Time	Notable Activities		
6/30 1715	ATTENTION TO ENTER STRUCTURE AREA WITH WIND SHIFTS & FIRE POSITED EAST, BURNING AROUND STABLE AREA (RANCH RESTAURANT)		
6/30 1845	RE ENTERED GLOWN ILAW SCENE & DESTROY ALL AVAILABLE RESOURCES		
	STRUCTURE GROUP 3 TOOK NORTH SIDE OF YARNELL		
6/30 2130	CROWS PULLED OUT FOR ROTA & ACCOUNTABILITY CROWS ALL ACCOUNTED FOR AND REASSIGNED TO TASK FORCE LOCATIONS		
6/30 / 2230	DIVISION / GROUP TURNED OVER TO DAN ALBIN		
6/30 2300	MET WITH OPS MANAGER @ ICP DISCUSS OPERATION NEXT PERIOD		
	ALL TIMES ARE APPROXIMATE		
8. Prepared by: Name: GARY CRODES		Position/Title: STRUCTURE WEP	Signature: 
ICS 214, Page 3		Date/Time: 7/26/13 1400	

6/30 - 7/1 Dan Philbin

1450

Rollled in to JCP at Peoples Valley.
Fire head toward JCP. evacuating
Took two water tenders for structure
protection in Peoples Valley.
House saved by a SEAT Drop.

Tied in with Div. (Rance) and
then headed to Yarnell.

Talked to Clawson and headed in
to Shrine Road. Crew carries coming
out. Helped get citizens out.
Heard emergency traffic on A/G
Shelters being Deployed.

went to find Blue Ridge IHC.
to ask about last known where
abouts of Granite Mountain HS.

Blue Ridge Supt. & Assistant already
trying to get back in there via
L.T.V. Heard on Radio from Blue
Ridge assistant that there were 18
confirmed.

2030

Took over as Structure Group 2 in
Yarnell. Bedded down water tenders
Kept 1 engine up to Patrol and Secure.
Assisted with getting Dorr untangled from powerline

0800

Transition with Day shift

7/1-2 Dan Phillips Div (2)
2000 Briefing for night shift. Div. 2
3 engines water tender Type 2 crew

Crew worked south side of fire around
Glenn Hall

Eng. spread out to patrol and mop up.
2300 Dust storm warning.

0800 Transition with Day shift

7/27-3

Man Philbin Dis. 2

2000

Briefing for Night Shift

Crew working middle of town.
Engines Patrolling & Map up.

0200

Pulled crew back to Buggies due
to lightning & Rain

0800

Transition with Day Shift.

Yarnell Hill Fire

IA Action Log

Compiled from handwritten notes and recollection by

Russ Shumate

July 19, 2013

Draft

All timeframes are approximate.

Friday 28 June 2013

Mid afternoon on Friday a large lightning bust started around Mingus Mnt and moved SW over Prescott toward Congress. Multiple fires were reported over 911 and by USFS lookout towers. Very confusing time as many reports were coming in, and resources being directed to respond. There were many reports through different dispatch centers of multiple fires. I headed toward Skull Valley to look for any smokes in the State Trust Lands west of Prescott.

I located a smoke east of Skull Valley that was previously unreported. 911 started receiving calls also on this smoke. (This was named West Spruce fire eventually) Due to the number of fires, and the number of multi agency responses, I determined I should go to the Prescott Fire Center and assist in coordinating the location, prioritization, and response of the many smoke reports. As I got there Darrel Willis from Prescott Fire Department (PFD) was there with the USFS fire staff. Eventually at least 8 smokes were identified on Prescott National Forest (PNF). All smoke reports in fire districts or departments were contained quickly and at small sizes. I reviewed the lightning map to see that the lightning extended down toward Congress.

Around this time reports of fires in and around Yarnell reached me. I left the fire center to respond to the Yarnell area to size up the situation. ADC advised me that Yarnell FD was seeing a fire above town, but could not access it. ADC advised me Congress FD was also responding to a fire above Yarnell, but had no access. It was unclear if this was the same or different fires.

I ordered Air Attack (AA) to recon the Yarnell area. I was advised that BLM was in the area as well and was looking at what would be named the Yarnell Hill Fire. The BLM engine was advising that the fire looked to be inaccessible by road. Air Attack from the Doce Fire was lent to ASFD for a recon as it finished a recon of the PNF. I was able to talk direct with AA on Air to

ground frequency (A/G), and he gave me a size up of the Yarnell Hill fire. AA had a difficult time finding the fire. When AA did find it the size up was approx. 2 acres, no smokes, on a ridgetop, no direct threats, a jeep trail on the east side of the fire. A recon of the surrounding area turned up no sightings of additional smokes.

During this time, I had arrived at Yarnell and tied in with the BLM Duty Officer Bruce Olsen and BLM Engine 1660. Through discussions with BLM and ADC and Yarnell FD (YFD) and Peeples Valley FD (PVFD) it was determined that 4 fires had been seen. 2 were named, Yarnell Hill and Oso. A third was seen east of Peeples Valley, and heavy rain was observed to put it out by PVFD. A fourth was reported to be somewhere on Weaver Peak, and PVFD was planning to hike 3 miles into it. I asked them not to hike folks into that country in the dark. Due to past experience in this area, I understood that the steepness of terrain and fuels conditions would not allow for safe nighttime operations by Volunteer Fire Department engine crews. PVFD had a visual on this smoke. I could not see the Yarnell hill fire at this time, as there were no smokes showing. I directed BLM engine 1660 to suppress the Oso fire, as they had a visual on it and could gain access for a short hike. The Oso was .1 acres and fully suppressed that night.

I coordinated with BLM for our next day's actions. It was thought that multiple smokes would show in the morning in this area. I ordered 2 AZ State Forestry Division (ASFD) crews (Lewis and Yuma), and ASFD engine 151 to report to Peeples Valley store at 0800 to stage. I ordered Air Attack to show up as soon as they came on duty Saturday morning. SEATS were in SE Az at the time, and I talked with dispatch about timeframes for getting them in play Saturday morning. BLM would have eng 1660 and a T3 helo as well as overhead report to Yarnell in the morning as well. We planned on having a collection of resources in hand to divide as needed as smokes showed in the morning.

I determined that Yarnell FD and Congress FD were back in quarters. I had BLM Eng 1660 report to me after they left the Oso fire then go back to Wickenburg to go out of service. I had PVFD report to me before going OOS. All resources that had responded were accounted for and off the line by 2130, and enroute back to quarters, except myself.

I placed an order for a spot weather forecast for Yarnell at approximately 2100.

At approximately 2100 the Yarnell Hill Fire flared up. Through binoculars, I determined it was a single bush flaring up. This was the first sight of the fire I had, but due to darkness, was still unable to pinpoint the location on the ridge. I advised ADC to contact YCSO to inform them that calls might come to them through the night as the fire glow was very visible.

I started back to quarters at approximately 2200.

Back in Quarter at approximately 2300.

Saturday 29 June 2013 -

In service, enroute to Yarnell Hill fire at approximately 0530.

On scene at Yarnell FD 0645.

Cannot give size up, but I can see a small smoke, so I could now determine the location of the fire on the ridge. Ordered a spot weather for the day.

At 0700 ordered 2 SEATS and for Wickenburg SEAT base to be opened.

Coordinated with BLM Duty Officer Bruce Olsen, who was on scene as well. Our plan from last night was still our plan of action. We would set ICP at Yarnell FD, and divide resources as needed as smokes showed up around the area. Heavy lightning from yesterday was expected to produce multiple smokes throughout the morning. BLM had ordered a T3 helo to come out of Payson, and as soon as practical fly a recon of the fire and deliver a BLM IC (Dean Fernandez) to assist in the day's response.

By 0830, on scene resources included Lewis crew, Yuma Crew, ENG 1660, a ICT4(t), ICT3 (myself), BLM Duty Officer. PVFD and YFD were tied in with command as well.

0900 Briefed on scene resources with weather, and plan for the day.

Plan for the day, assess access to Yarnell Hill fire. Prep to fly crew if feasible. Risks identified; being on a ridge top when lightning came in afternoon (Big concern is having folks stuck on the hill as the afternoon T-storms set up), Change in fire behavior, as Doce fire showed extreme fire behavior, and this area is same fuels and similar topo. AA will determine best retardant use, but the plan is to have retardant drops asap, and then get folks up there to coldtrail and mop up. AA will recon area for new smokes. Helo will recon Yarnell hill and find helispots to insert folks. Then stage to support ongoing ops, and respond to any new starts in the area. Russ Shumate and Dean Fernandez (BLM IC) will coordinate responses to new smokes with resources on scene. YFD will be helibase. Comm Plan: Command, ASFD repeater 1. Tac, ASFD Tac1. A/G, A/G 16. State crews would RON in Prescott at Armory. BLM would return to Wickenburg.

Assignments: Yuma; stage at YFD for response to additional smokes, Lewis; CRWB determine if there is a route to drive or hike to fire, being mindful of if the fire behavior changes, would the

crew be safe hiking through the fuels, crew stage at YFD, prepare for helo flight if needed. PVFD and Eng 1660, go to last night's staging location and try to locate fire on Weaver Peak, and propose a course of action for that smoke.

0915 AA out of service, so another AA on order. SEATS will be enroute.

1000 AA on Scene as well as Helo 4HX. Recon the fire, size up 2-8 acres from air found a helispot. AA will work SEATS to surround fire with retardant.

1000 E 151 on scene. Briefed and staged at YFD.

Lewis CRWB reports that none of the roads are drivable and that a hike in would not be achievable with the crew.

I determine the best course of action would be to fly in a half crew to coldtrail and mop up. The plan is to limit the total number of folks on the hill to a manageable number to allow the T3 to quickly retrieve them in case t-storms move in. Density altitude is a big limiting factor, as it will be 100 degrees at 6000 ft, the elevation of the helispot.

At approximately 1045 6 Lewis crew members (1 CRWB, 1 CRWB(t) 4 ft's) and 1 Helitack (also qual'ed at a T4IC but remaining as helitack for this assignment) are inserted at helispot and hike approx. ¼ mile down the jeep trail to the fire. Size up remains 2 acres and very little heat. Will coldtrail and mop up. They plan on being flown off at around 1600.

No other smokes showing around area. The smoke near weaver peak cannot be located by air or by PVFD and BLM Eng 1660. I tell PVFD and BLM 1660 to report to YFD at 1300 to stage.

By 1200 or so the retardant is laid. All air resources are held in Prescott as Wickenburg retardant base is not yet operational.

1245 ADC notified me that AA was OOS mechanical. I indicated that I was not needing AA unless we had new starts, and we could then order one from the system.

1330-1400 We could see t-storms building up to the north. My concern remained being able to get folks off the hill in case of lightning. ADC informed that the build up was around Seligman. I was not too concerned about fire starts up there due to low spread potential in the juniper. Lewis Crew reported good progress, and were still on track for 1600 shuttle flight off the hill.

1500 ADC advised of T-storm movement. Personnel advised on fire, and we had visual of the cells far to the north.

1530 released VFD and BLM engines back to home units. BLM had their severity engines staged in Yarnell, I released BLM 1660 back to BLM severity. Eng 151 stayed on scene staged at YFD.

1530-1630 Lewis crew started to report creeping fire on the west side of the fire in the rocks on the steep slope. I determined that more folks were needed on the hill, and thunderstorm buildup was not moving our way. The altitude density was going to affect how many folks per load however. I directed a sling load of bladder bags be sent up, and half the helitack crew shuttle up. During this operation a green island on the east side of the fire started to flare up. The Lewis crew moved to address this and the bladder bags were set down near them. SW winds increased at this point and the flare up spotted over the road. 7 helitack were delivered to the helispot, 6 hiked to the fire, one remained at the helispot for helitack duties.

1600 Spot across the road was established and crews were having a difficult time hooking it. Slop was approximately 1-2 acres. Ordered AA and SEATs to launch. Ordered YFD Water Tender to utilize for creation of a dip site for potential bucket work.

1615 ADC indicated a new start near Pine Lakes community in Hualapis. That fire was requesting 2 seats from me. I allowed one seat to be diverted, but retained the other.

1715-1745 Crew and SEAT are doing good work, just can't hook it. Ordered a heavy helitanker as there is one in Prescott. No Large Air Tankers (LAT) in the area. Try to reclaim the 2nd SEAT from Dean Peak Fire.

1800 send J Smith ICT4(t) up to the fire, and prep the rest of Lewis crew to fly up as well. Change command structure to following; J smith no longer ICT4(t), he will be Div A on the hill. Peck, a carded ICT4, from 4HX helitack, will be Operations on the hill. Phone call with Peck explains what I want as the command structure. I indicate my strategy is anchor and flank the east flank working with aviation. Stay direct and the black is the safety zone. I am now expecting the forces on the hill to stay up all night, and ask Peck to get a supply list together so supplies can be delivered as the rest of Lewis crew is shuttled up.

1730 Heavy Helitanker still not on scene, so I ordered a Large Air Tanker (LAT) as well.

1730-1830 shuttle up supplies, but fire is below helispot so helitack person at helispot is picked up, and crew shuttle canceled. Operations continue on the hill, anchor and flank east flank with a total of 14 folks on the hill. Start ordering up forces for tomorrow. Operations expected to last all night, so a replacement ICT3 ordered. Paul Mussar was going to be the one to fill this order

1800 ADC asked about using the Very Large Air Tanker (VLAT). AA over the fire and The BLM IC (and AA qualified individual) indicated that the steep terrain the fire was currently on was not

suitable for VLAT, as well as timeframes might not allow the plane to be utilized before dark. The LAT on order was the best tool. Both LAT and Heavy helo orders were unable to respond due to weather at the respective airports. Ordered additional SEATS.

1900-2400 Fire behavior consistently moving north. Organization was setting up for extended ops. ICP would move to Model Creek School. Had BLM severity Engines report to YFD and become incorporated into the fire organization as night structure protection. These engines were TNF E58, BLM E1660, BLM E3665. I added E151 as well to this task. Briefed the engine crews at YFD at approx. 2130 and the plan was to have them learn the area of Yarnell and Peebles Valley so as to facilitate the preparation of a triage plan. Ordered up 2 DIVS from Prescott Basin to help in structure protection utilizing these engines. These DIVS (Gary Cordes from Central Yavapai FD and Darrel Willis from PFD) showed up approx. 2230-2330 and were briefed by myself on conditions and the plan. Gave structure protection AZ state Tac 2 as a freq. Structure protection worked for IC. Plan of action for Structure protection: Gary Cordes would recon and direct actions in Yarnell. Darrel Willis would take the engines (who had already had area familiarization of Yarnell) out the Model creek road and assess that area. Prepare a structure protection plan to implement with all the ordered incoming resources in the morning.

Ops briefed on new set up. Peck would continue operations on the hill, and not oversee structure protection. I directed Ops to focus efforts only on effective actions, and staying safe through the night. Prep for crew shuttle in morning as priority would be to get the guys off the hill asap with helo 4HX. Determine appropriate helispot at first light. Monitor fire behavior and fire spread as practical. Ops acknowledged and understood the instructions.

Started determining additional resources needed for tomorrows ops. Through a verbal complexity analysis conducted with Dean Fernandez, I determined that the organization that would be needed to handle the resources we would be ordering would be a Type 2 Organization. This determination was based on logistical needs, projected aviation use, and high risk of evacuations within the next burn period.

The list as it approximately totaled is as follows:

T2 management organization

3 T1 Crews	3 LAT's
2 T2 Crews	2 T1 Helo
16 engines	2 T2 Helo
5+ DIVS	2 T3 Helo

5+ TFLD

4 SEAT's

6 WT

Air Attack and lead planes to cover all day

1 Dozer and DOZB

2 structure protection trailers

AA to be over fire by 0700, SEATS to be dropping by 0800

2230 had ADC contact YCSO to send a rep out to discuss preparations for evacuations. YCSO came on scene at approx. 2330 and we determined a course of action to prep for expected evacuations during tomorrow's burn period.

Sunday 30 June 2013

2400-0700 fire behavior slowed down. Structure protection created a plan to implement with the incoming resources and team. Status updates were given as needed to IC and to ADC

0600 very little smoke at sun up. Only smokes visible is in drainage due east of Yarnell and up on ridge on SE heel of fire right near the point of origin.

0600-1000 incoming crews were staged at ICP. Yuma and the Lewis (excluding the folks on the hill) crews were tasked with organizing ICP and the incoming resources into staging.

Incoming ops tied in with myself and the BLM IC to get an operational briefing at YFD at approx. 0700. Discussed operations of the past 24 hours, and the situation as we saw it. Briefed on what resources would be available to them and what the structure protection folks had created. Very extensive, in depth ops briefing. Had a spot weather for them as well.

At approx. 0900 moved over to Model Creek School ICP to tie in with incoming ICT2 Roy Hall. Roy wanted me to be involved with the briefing of the incoming resources at ICP. Most of the ordered engines seemed to be there, but I have no records of who was checked in. The briefing was very detailed and indepth regarding the past ops period and what the plan for this ops period was. Comm plan would stay as my organization had developed. I indicated AIRS Vfire 21 might be a logical next freq to add as they transitioned into a full comm plan. Extreme fire behavior was heavily stressed by myself, the BLM IC, the FBAN Byron Kimball, and Roy Hall. Roy made it a point that he wanted all of us to touch on the potential for extreme fire behavior.

At 1020 I officially transferred command to Roy Hall. I announced the change over the command freq to ADC and Operations.

1100 left scene enroute back to quarters.

UNIT LOG		1. INCIDENT NAME Yarnell Hill	2. DATE PREPARED 7/22/13	3. TIME PREPARED
4. UNIT NAME/DENIGNATORS Structure Group #1		5. UNIT LEADER (NAME AND POSITION) Darrell Willis, DIVS/Group Sup.	6. OPERATIONAL PERIOD Night/Day 6/29-6/30	
7. PERSONNEL ROSTER ASSIGNED				
NAME	ICS POSITION	HOME BASE		
BLM E-3665, Shawn +3	Engine			
TNF E-58, Sawyer +5	Engine			
BLM E1660, Larwoc +5	Engine			
AZ State E-151, Phil +5	Engine			
Bruce Olsen BLM	TNSP	Weaver BLM Station		
Yuma DOC Crew +20	Crew	Yuma		
Todd Foster AZ-Tempe Fire Department	TFLD TF#1	Tempe Fire Department		
Cory Moser	TFLD(t)	Prescott Fire Department		
Groom Creek Structure Protection Trailer +2	Equipment	Groom Creek Fire Department		
WT-1				
E-61				
E-156				
WT-401				
Brush 441				
WT 304				
Other resources assigned to TF#1 unknown				
8. ACTIVITY LOG (CONTINUE ON NEXT PAGE)				
TIME	MAJOR EVENTS			
6/29/13				
2000	Request from AIDC to fill STPS position on Yarnell Hill fire. Turned down request.			
2200	Second Request from AIDC to assist Russ Shumate with Yarnell Hill, patched me through to Russ we discussed need and I accepted the assignment. Enroute at 2230, in AOV #1272.			
2300	Met with IC Shumate on Hayes Ranch Road and received briefing, resources and objective for incident.			
	IC Shumate assined me to scout fire location and begin triage of structures at Double Bar A Ranch, and Model Creek subdivision, as well as give him resource needs. I immediately assigned E-58& BLM E-3665 to triage Double Bar A Ranch and E-1660 & E-151 to Model Creek subdivison to begin triage.			
6/30/13				
0100	Met with Bruce Olsen and E-58, E-3665 at Double Bar A Ranch, did a walk through of the property. Met with caretaker Larry Kester 928.910.9148 asked for permission to conduct defensible space work on property and set up hose lays. Permission granted. Tasked Engines 58 and 3665 with coming up with a plan and to start working. 7 structures present all are high risk/low probability of success structures but thought we might be able to save some.			
0130	Bruce Olsen and I traveled down a two track south behind the ranch, and determined where fire was above ranch. Active fire behavior witnessed high up on mountain aproximately 1.5 miles to the Southwest.			
0230	Met with E-1660 and E-151 along Model Creek Road, they debriefed that there were aprox. 35 residences that needed work and I requested that the map the homes and get some rest because we would need them in the morning.			
0330	Met IC Shumate at the Yarnell Fire Station, we discussed fire location, what I found at risk and general tactics. He informed me that there was a team ordered and they will start trickling in around 0700. Gary Cordes was there and he had been designated at the Yarnell Structure Group Structure Group #2. We both discussed the resource needs for Day shift including Engines, crews, aircraft and structure protection trailers. We all agreed that we needed to hammer the fire with aircraft as early as we could get them up in daylight. Fire behavior is active.			
0600	ICP at Peeples Valley School, resources showing up. Fire laying down no flames visible, just smoke.			
0700	Added Yuma DOC crew to Double Bar A Ranch, plan is to prep a two track road around structures and then burn out around the road when the time is appropriate.			

1000	Briefing at ICP, Roy Hall team
1030	Additional Resources assigned, Structure trailer deployed to Double Bar Ranch,
1030	TFLD Foster and Moser Arrived, Foster assigned to Model Creek, Moser to Double Bar A Ranch
1025	Fire activity picking up went to look out site South of Ranch. line of fire visible coming towards ranch

NFES 1337

[illegible]

214 ICS 5-80	9. PREPARED BY (NAME AND POSITION) Darrell Willis, DIVS/Group Supervisor, (this information was taken from my notes from 6/29/13)

Unit Log for Robb Beery DIVS, June 30 2013

0900 Enroute the Yarnell Hill fire. Ordered as a TFLD.

1130 Arrived at fire, checked in with Paul Musser OPS. Was assigned as Group Supervisor (Structure 3) to assess homes North of the Model Creek homes. This would include Buckhorn Acres and the Peoples Valley subdivisions.

Darrell Willis was assigned the Structure 2 Group for the homes along Model Creek Rd. and a ranch further South.

1300 The Globe DOC crew arrived and I used them for structure prep. in Buckhorn Acres. The fire was being driven from the south toward our area by the predominate West Southwest winds. The established lookout was from the Structure 2 group and was on a ridge between Model Creek Rd. and Buckhorn Rd.

1545 approx. A wind warning from the National Weather Service was given over the command channel for strong outflow winds approaching the fire area from the North. The command channel used was the existing Arizona Division of Forestry repeater and it was scratchy but readable. Confirmation was not requested from the Divisions.

I later overheard a conversation between operations and Division A asking if they copied the wind warning. Division A acknowledged and came back with something like " copy, we are in the black".

I pulled up the radar on my smartphone and saw what appeared to be a strong outflow boundary approaching from the North. I advised my resources and Structure 2 of the possible timing of the wind front.

1615 approx. winds started shifting from the West Southwest to the North pushing the column to the South and East away from our position. These increased so that by approx. 1630 they were approx. 20-30 mph from the North.

Enclosed photo taken at 1617 from the Buckhorn Acres subdivision looking South shows the column bending to the South and the East.

1700 approx. Copied over the command channel that Granite Mountain Hotshots had deployed South of the fire. Structure 2 (Darrell Willis) turned his resources over to me and he left for the South end of the fire to assist operations.

Continued structure protection operations with the combined resources along Model Creek Rd. and in the Buckhorn Acres subdivision.

2200 approx. Met up with all Structure Group resources at a Safety Zone at the Model Creek and Miners Camp Rd. junction. The winds at this time were calm and fire behavior was minimal. Task Force Leader Mark Sahara advised that the engines from the Structure group would spike at the safety zone and they would maintain a rotating one-engine patrol of the area. The two crews assigned would head back to ICP. I agreed and advised I would be available by cell phone if any problems arose.

07/01/2013

0100 approx. At ICP winds from the South increased to approx.. 20-30 mph sustained and looking toward the West I observed fire activity increasing on the slopes. At approximately 0115 I contacted the Task

Force leader to evacuate the area and move all forces back to ICP. I drove out to the division and met up with the Strike Team on Model Creek Rd. All equipment and personnel was accounted for and we arrived back at ICP at approximately 0300.

Photo taken from Buckhorn Rd. looking South at 1617. (Photo w/EXIF info is available)

EXIF info: File Name: IMG_20130630_161713_586.jpg

Location: 34.16'55" , 112.46'06"

Date and Time: Sunday, June 30, 2013 4:17:13 PM



Robb Beery (DIVS)
928-595-0442
rbeery@ringis.com

Record of my activities on the Yarnell Hill Fire on June 31, 2013

In lieu of a 214 Unit Log

Chris Horyza

June 29, 2013

2100 - I was called to see if I was interested in taking a Task Force Leader assignment on the Yarnell Hill fire at about 9pm Saturday, June 30, 2010. I accepted the assignment. I told the dispatcher I needed a vehicle and a radio before I left town. They said they could get me a vehicle at expanded dispatch, but not until morning. I would also need to contact the Phoenix BLM district to see if I could check out a radio... again Sunday morning.

I spent the evening getting my gear together and went to bed at about 2300

June 30, 2013

0600 - I woke up and called expanded dispatch to see about the vehicle. I was told that they had begun working on it, but it probably wouldn't be available until later in the morning. They would call me when it was ready, and I'd have to go to expanded at Williams Gateway

0615 - I called Dan Philbin at BLM Phoenix District to see if he had a radio available for me to check out. He did, and told me I could come to PDO to pick it up at 0800.

0800 - Went to PDO to get radio.

0900 - Dispatch called to say they had a vehicle and I could come and pick it up. Loaded my gear in my POV and went to dispatch in Mesa.

1030 - Picked up vehicle and headed for ICP at Peeples Valley.

1300 - Passed through Congress headed up the hill towards Yarnell. I could see a pretty well defined plume and a well-developed thunderstorm north of the fire.

1330 - Arrived at ICP. Met with Paul Musser, Operations Section Chief, who told me I'd be assigned to night shift and I should get some sleep. I could see the fire pushing north from the ridge west of Yarnell towards Peeples Valley. The ICP was at an elementary school, and I went in to find a classroom thatr was cool and dark. I probably laid down to sleep at about 1400.

1600 - I awoke from my sleep and packed my stuff preparing for a night shift.

1615 - I went to find Operations to see what my assignment would be so I could try to get familiar with the area before shift. Nobody was around and I could see the fire had made a push to about 100 yards south of the ICP, turned east along a ridge south of Peeples Valley, and was now pushing hard to the south. There was a very well developed plume and strong winds coming from the north coming from a thunder cell.

1630 – The fire was continuing to push south, and I could see fire-whirls in the plume that extended, in my estimation, approximately 200 feet in the air. It was obvious fire behavior was extreme. It was no wonder Operations was nowhere to be found at ICP, they were in Yarnell where the action was. I had my radio on and tuned to command and air-to-ground channels being used by the fire. There was a lot of excitement and it was obvious the activity trying to deal with the fire was chaotic.

1700 – At some time around 1700, I could hear radio traffic associated with the Granite Mountain Incident. I couldn't hear who was talking (or wasn't familiar enough with the aircraft on the fire to remember who it was) but heard someone say they could see shelters deployed, but they couldn't land. In a few minutes I heard someone who was on the ground say there were "... 18 confirmed. No medical assistance was required." This is a sickening thing to hear on the radio. I was stunned...

1800 – The hour from 1700 to 1800 was pretty chaotic. Some person came driving up to ICP looking for people with medical training to make a medical unit... but the medical unit leader showed up and put that effort to rest. At about 1800, Bruce Olson arrived with another Task Force Leader (TFLD) who's vehicle had broken down. He had engines and crews on the fire line on the northern end of the fire and needed transportation. Since I was unassigned, but had a vehicle, I offered to drive him around until his vehicle was fixed, or ground support found him a replacement. I spent the evening driving him around the northern edge of the fire line and getting familiar with the resources assigned, the roads, and the residences potentially at risk.

2300 – At approximately 2300, we went to one of the residences along the northern fire line to get some sleep. The fire had laid down and we needed to get sleep for some of the engine crews because they'd been on the fire a long time. We let some people sleep, while 2 people would stay awake and watch the fire. I helped with the watch until approximately 0030.

July 1, 2013

0030 – I had just lay down to sleep when the wind started to blow from the southeast. The smoke and blowing ash was choking. I stood up to see what was going on and could see the fire was picking up on the ridge about 2 miles south of us. We watched the fire to see which way it might go, and since there was green between us and the fire, to be able to leave if the fire appeared to threaten our position.

0100 – At about 1 am the fire was moving pretty quickly to the northwest along a ridge, and fire behavior was pretty severe. We could see what appeared to be 40 to 50 foot flame lengths and rates of spread of several chains per minute. The fire had moved about a mile to the northwest along the ridge and didn't appear to be slowing. We decided to pull everyone off the fire and retreat to ICP. The TFLD called all resources he was responsible for and headed them towards camp. When he was certain all his resources were on their way, we headed in as well, following everyone in to ICP. We arrived at ICP at approximately 0130. After assuring that all resources were in off the fire, we went to bed.

[illegible]

All times Approx.

TIME	MAJOR EVENTS
	Work on Miner's Camp Rd. Three residences identified. Rio Verde BR441 Arrives and assign them to assist on Miner's Camp Rd, specifically end house near Double A Bar ranch. Prescott F.D. Sprinkler trailer also assigned to this residence. MESA F.D. T6 BR219 assigned to Rough Residence on prominent ridge off Model Creek Rd. To prep site and serve as a Lookout for Task Force.
↓	
1023	BLM Engine 1660 (T6) gave info on area and was then released for rest as they were in area of 30+ hours work. TNF ESB and BLM E3605 Working w/ DARRELL ON Double BAR A Ranch along w/ Yuma D.O.C. handcrew. SURPRISE WT assigned to Stage @ intersection of Double BAR A Rd. and Model Creek Rd. Congress WT-1 assigned to fill Pumpkin at Residence w/ BR441. Trigger points established.
↓	
1100	TRD(t) messer Assigned by DUS Willis. Assigned Cory to go into Double Bar A ranch and Communicate with ESB and E3605 who I had not talked to yet. (They had been on line since night before). Brief messer and he agreed to assignment. Chino Valley prepping Ranch house on Miner's Camp.
↓	
1230	PHX BR48 assigned to "Rock House," 1 st house on Miner's Camp Rd. PHX KTS4 to drop off pumpkin and fill.
↓	
1300	Lunch. Resources @ Double BAR A prepping to burn Daisy mtn. o/s.
1400	Fire activity picking up. Crews prep for burnout around last house on Miner's Camp Rd. OPS Abel meets face to face to approve plan. Wickenburg E751 Arrives, Staged.
↓	
1410	Fire makes hard push to east. Fire crosses Model Creek Rd east of our location per BLM Fuels BC Bruce. Escape route out Buckhorn Dr. Still viable. Fire pushing north previously dies down. Daisy mtn. BR146 and Wickenburg E751 working on structures west of on Monica mine Road. Queen Creek WT, PHX Tender and Surprise tenders had been moved to ICP.
1600	Attempt burnout around south end of pumpkin house, last or Southern residence on Miner's camp Rd. Ignition is poor and fire doesn't carry well.
1616	VLAT makes drop on/near residence. Still attempting to improve burn. Fire appears to be carrying to E/SE.
↓	
214 ICS 5-80	9. PREPARED BY (NAME AND POSITION) Todd Foster, TRD

All times Approx.

TIME	MAJOR EVENTS
1646	Hard Push to South/SE. PIC taken, looking South.
↓	Fire activity and push (D) diminishes.
1700	Overheard radio traffic on A/G off A/A telling ground unit to stop screaming and provide coherent radio report.
↓	Did not hear ground traffic. Todd Abel departs Division.
1800	Heard radio traffic on A/G of trying to get air medical units assembled. TRINOMASSER arrives and advises of some pass. Injuries to FFs and requests to leave assignment I agree, and Cory states Darrell has already left and I have the Street Prot. Group.
↓	Crews continue to hold burnout and prep ground structures.
1900	Begin planning for night ops. No contact w/ ops or plans will plan or remaining on Street. All night
2000	Informed All TF resources of accident, unk. details, but to have all personnel contact agency supervisors and families and advise of normal ops.
↓	
2030	Released Prescott trailer to ICP and to contact PFD.
↓	Contact w/ Robb Beery who will assume the Group/DNS. Expressed plan to remain on line due to no relief.
↓	Will try to bed down crews so they can all work in a.m.
2200	Myself and BR219 will Rm @ Rough house. Rio 441 will Rm @ pumpkin house w/ Chino. PHX, Daisy, Wickburg will bed down @ Ranch house. Fire activity minimal.
↓	
7/1/13	
0015	Winds become very strong. Gusty winds are picking fire activity up. Extreme fire behavior noted in mountains.
0030	make decision to get crews up and head in to ICP.
0000 0100	Rio E441 dead battery @ Ranch house. Vehicle left in safe area. Crews driven out in other engines. Resources drive out via Buckhorn Dr.
↓	
0100 0200	All TF resources back in Camp/ICP. Crews to bed down for morning briefing.
↓	
↓	
↓	
↓	
214 ICS 5-80	9. PREPARED BY (NAME AND POSITION) Todd Foster, TRFD

