

GOODWIN FIRE

Prescott National Forest
Arizona Department of Forestry and Fire Management
Bureau of Land Management



AZ-PNF - 000904

P3K2YF (0309)

Incident Action Plan

July 5, 6 & 7, 2017

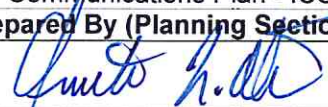
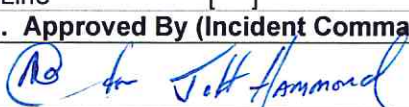
Operational period 0600-2000



GOODWIN FIRE

Values at Risk

- **Firefighter and Public Safety.**
- **Non Federal lands and Structures, Communities of; Breezy Pines, Walker, Pine Flat, Groom Creek, Union, Potato Patch, Mayer, Turkey Creek, Dewey-Humbolt, Chauncey Ranch, Poland Junction, Upper Blue Hills, and Rec Summer Camps.**
- **Infrastructure (Communication towers, APS powerlines, Union and Spruce Lookout towers, Grey Wolf Landfill).**
- **Developed and non-developed recreation sites including supportive infrastructure.**
- **Smoke sensitive receptors.**
- **Cultural resources, range allotments including structural range improvements, Grapevine Botanical Area and sensitive plants and species, wildlife T&E species, soil integrity and watershed quality, noxious weeds and aquatic invasives.**
- **Maintaining relationships with local communities, private property holders, cooperators, local public safety agencies, local business, and political appointees.**

INCIDENT OBJECTIVES	1. Incident Name GOODWIN FIRE	2. Date Prepared 7/4//2017	3. Time Prepared 1500 hrs
4. Operational Period			
Sunday July 5, 6, 7, 2017		DAY SHIFT 0600-2000	
5. Leaders Intent			
<p>The intent for the incident is to effectively utilize strategies and tactics that provide for firefighter and public safety first and foremost and which have a high probability of success. Objectives to be accomplished shall utilize risk-based decisions that minimize unnecessary exposure for the purpose of implementing tasks associated with protecting priority values at risk.</p>			
6. General Control Objectives For The Incident (Include Alternatives)			
<ul style="list-style-type: none"> • Ensure firefighter, public and aviation safety through clear, concise leader's intent, work prioritization and implementation of fundamental firefighting principals. • Protect and minimize threats to all private property and other identified values at risk including; non-Federal lands and Structures (Communities of Breezy Pines, Walker, Pine Flat, Groom Creek, Union, Potato Patch, Mayer, Turkey Creek, Dewey-Humbolt, Chauncey Ranch, Poland Junction, Upper Blue Hills, and Rec Summer Camps). • Protect and minimize threats to infrastructure, developed recreational sites, cultural resources, threatened and endangered species, habitats and structural range improvements. • Maintain and develop partnerships and relationships with stakeholders and cooperators through timely and accurate information while continually identifying smoke and other impacts to communities. • Effectively manage incident costs by planning strategies that have a high probability of success. 			
7. Weather Forecast For Period – See Incident Weather Forecast			
<h1>See attached Incident Weather Forecast.</h1>			
8. General Safety Message			
Use caution when traveling, maintain safe distances, use headlights at all times.			
Hydrate, Hydrate, Hydrate.			
9. ATTACHEMENTS (X IF ATTACHED)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Division Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Unit Log 214	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> WF206 9 Line	<input type="checkbox"/>	
10. Prepared By (Planning Section Chief)		11. Approved By (Incident Commander)	
			

(T)ORGANIZATION ASSIGNMENT LIST					
1. Incident Name		GOODWIN FIRE		Operations Section	
2. Date Prepared	July 4, 2017	3. Time Prepared	1900 hrs.	Operations	KEVIN STOCK
4. Operational Period July 5 – 7, 2017				Operations (t)	MIKE VARLJEN
Incident Commander and Staff					
Incident Commander	JEFF HAMMOND			Day Operations	
Deputy	CORY CARLSON (T)				
Safety Officer	MARTY COLE/DEAN FERNANDEZ (T)			North Division	MARIO OROZCO
Safety Officer	NICK BIANCHINI (T)				ZACK MASSEY (T)
Information Officer	DEBBIE MANEELY/KALE CASEY				
Information Officer	STEVE KLIEST/MICHAEL JOHNSON				
Agency Representative					
Prescott NF	JESSIE BERNER				
	SARA TOMSKY				
AZ Dept. of Forestry	JAKE GUADIANA			South Division	CHRIS LOXTERMAN
Yavapai County EM	DENNY FAULK				JASON MCDADE (t)
YCSO	DAVE RHODES/RICH MARTIN				
BLM	RON TIPTON				
WALKER FD	ROGER NUSBAUM				
MAYER FD	MIKE MCGEE			LEO Group	ANDY MULLINEX
APS	WADE WARD				
Planning Section					
Section Chief	CHETO OLAIS				
Section Chief					
Situation Unit					
Demobilization Unit					
Resources Unit Leader				Air Operations Branch	
Status Check-in				Air Operations Branch Director	
Fire Behavior Analyst				Air Support G.S.	
LTAN				Helibase Manager	
READ	JEFF GILMORE/JAKE RUSSELL/TONY PAPA				
Meteorologist				Finance Section	
Human Resource				Chief	DONNA SANDERS
Training Specialist				Time Unit	REISA ECKEL
Logistics Section				Equipment Time	
Section Chief				Personnel Time	SALLY JEWEL/ KENDRA BULL(t)
Deputy				Cost Unit	
Supply Unit				Procurement Unit Leader	DEBBYWESSELLINS
Facilities Unit				COMPS/CLAIMS	
Base Camp	ROB FOCHT/STEVE KELLY (T)				
Ground Support Unit					
Communications Unit					
Security	USFS Andy Mullinex			Prepared by: CHETO OLAIS (PSC)	
Security					
Medical Unit					
Equipment Manager					



Goodwin Incident Weather Forecast



Forecast Info

FORECAST NO: 16

NAME OF FIRE: Goodwin

PREDICTION FOR: 5 Day Outlook
SHIFT DATE: Wed-Sun, Jul 5-9, 2017

UNIT: AZ-PNF
SIGNED: *Jason Clapp*

TIME AND DATE
FORECAST ISSUED: 2000 Tuesday 7/4/17

Jason Clapp
Incident Meteorologist
Jason Clapp

**Call NWS Flagstaff for forecast updates
(928) 774-4414 or request a point-specific Spot forecast @ www.weather.gov/spot**

Weather Discussion:

**** Erratic outflow winds initial concerns followed by heavy rains later this week ****

High pressure builds over AZ with warming temperatures and a slight decrease in dewpoints. Haines index remains high today and Thursday as higher mid-level moisture remains in southern AZ. High pressure moves over the Four Corners area by Friday with more mid-level moisture and higher dewpoints over the fire. Thunderstorm and heavy rain potential increases later this week with best chances this weekend and beyond.

WEATHER FORECAST for Today (Wednesday): 10% chance of isolated drier TS with outflows

	Ridgetops / Upper Slope (6-7K ft)	Valleys / Lower Slopes (5K ft)
Weather	Partly cloudy with some afternoon cumulus buildups. Slight chance of an isolated thunderstorms.	
Highs	82 – 86 (<i>up 2</i>)	94 – 98 (<i>up 2</i>)
Min RH	12 – 16% (<i>down 2 – 4%</i>)	9 – 13% (<i>down 2 – 4%</i>)
20 ft Winds	SW 6 mph gusting to 12 mph After 1200, W 8-12 mph G20 mph	Light upslope, then upcanyon 3-6 mph After 1200, Variable W-E 3-7 mph in Breezy Pines

Haines: 6

WEATHER FORECAST for Thursday: 20% chance of TS with outflows and potential heavy rain

	Ridgetops / Upper Slope (6-7K ft)	Valleys / Lower Slopes (5K ft)
Weather	Partly cloudy with some afternoon cumulus buildups. Slight chance of an isolated thundestorms.	
Highs	82 – 86 (<i>little change</i>)	94 – 98 (<i>little change</i>)
Min RH	15 – 19% (<i>up 2 – 3%</i>)	10 – 15% (<i>down 2 – 3%</i>)
20 ft Winds	W 6 mph gusting to 12 mph After 1200, WSW 8-12 mph G20 mph	Light upslope, then upcanyon 3-6 mph After 1200, Variable W-E 3-7 mph in Breezy Pines


Haines: 6

OUTLOOK for Friday – Sunday: 30 – 50% chance of TS with outflows and potential heavy rain

	Ridgetops / Upper Slope (6-7K ft)	Valleys / Lower Slopes (5K ft)
Weather	Partly cloudy with some afternoon cumulus buildups. Increasing chances of thunderstorms.	
Highs	79 – 84	90 – 96
Min RH	18 – 30% (highest over weekend)	10 – 20% (highest over weekend)
20 ft Winds	SW 6 mph gusting to 10 mph After 1200, WSW 8-13 mph G20-25 mph	Light upslope, then upcanyon 3-6 mph After 1200, Variable W-E 3-7 mph in Breezy Pines

Haines: 5, becoming 3

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 17	TYPE OF FIRE: Wildfire
FIRE NAME: Goodwin Fire	OPERATIONAL PERIODS: 05 July – 07 July
DATE ISSUED: 04 July 2017	TIME ISSUED: 1500
UNIT: AZ-PNF	SIGNED: Dan Pearson FBAN 

INPUTS

WEATHER SUMMARY:

Wednesday Partly cloudy, 82°-98°, 12-22% rH, West winds 8-12 G-20 mph, LAL-1, H-6, POP-10%
Thursday Partly cloudy, 82-98°, 10-19% rH, WSW winds 8-12 G-20 mph, LAL-2, H-6, POP-15%
Friday Partly cloudy, 79-96°, 10-30% rH, SW winds 8-13 G-25 mph, LAL-2, H-5, possible heavy rain

See attached Fire Weather Forecast for more details.

FIRE BEHAVIOR

GENERAL:

Pockets of fuels inside the perimeter will continue burning out primarily on the western interior of Big Bug Mesa. This activity is strengthening and widening the containment lines and poses low risk. A few isolated/single tree torching instances are possible, but unlikely to endanger lines. Relative humidity recovery and limited horizontal fuel continuity will limit continued fire growth except in areas with significant dead and down fuels.

Saturday Smoldering, creeping/backing fire with single/small group torching in the early afternoon
Sunday Smoldering, creeping/backing fire in the early afternoon
Monday Smoldering, creeping/backing fire in the early afternoon

FUELS:

Pine with shrub understory (western portion of Big Bug Mesa) (Fuel Models TL8/TU5):

Flame Length: 3-5' when actively burning, up to 20' when torching

Rate of Spread: 0-0.5 chains/hour backing, up to 2 chains/hour head fire

Spotting Distance: 0-2 chains (roughly 100')

*If dispatched to initial attack, fire behavior will likely be much more active than listed above. The fire behavior listed above is specific to a backing/flanking fire in the pine on Big Bug Mesa where Infrared shows the remaining heat sources for the Goodwin Fire.

AIR OPERATIONS: Terrain influenced shifty winds are common in the vicinity of Big Bug Creek and Canyon.

SAFETY

Convective cumulus cloud development will become more prevalent each day. Three dangers are increasing as the monsoonal pattern gains in strength. Lightning will become more common, gusty outflow winds can rekindle smoldering fire as well as topple fire weakened trees, and finally rain can compromise dusty roads and initiate flash flooding. Stay alert for cloud buildup and do not hesitate to call NWS-Flagstaff for up-to-date fire weather information at 928-774-4414.

7/5DIVISION ASSIGNMENT LIST		Branch	Division/Group
Incident Name		North (D,O,P,Q,R,C)	
Goodwin		Operational Period	
		Date: 7/5 - 7/7/2017	Time: 0700-1900

Operations Personnel			
Operations Chief	Kevin Stock/Michael Varljen	Division/Group Supervisor	Mario Orozco
Safety Officer	Marty Cole	Division/Group Supervisor	Jason McDade

Resources Assigned This Period							
Strike Team/Task Force/ Resource Designator	Req#	Last Shift	Leader	# Persons	Trans. Needed	Drop Off Point/Time	Pick Up Point/Time
IHC MORMON LAKE	C-29	7/5					
IHC PRESCOTT	C-1	7/7	Darin Fisher	20	N		
PRESCOTT CREW 2	0-335	7/6	Levi Guffey	10	N		
ENG6 PNF 952	E-100	7/9	Renee Misfeldt				
ENG 6 PRESCOTT 71	E-246	7/11	Tom Cooley	3	N		
ENG6 CENTRAL AZ	E-17	7/8	Tim Snyder	3	N		
MOUNTAIN EXCAVATOR	E-340	7/17	Shane Edmonds	1	N		
MANN EXCAVATOR	E-136		Don Sullivan	1	N		
WT TACTICAL T3	E-130	7/10	Ben Duffle	2	N		
HEQB	O-115	7/11	Willie Hoggard	1	N		
HEQB	O-36	7/10	Randy Howard	1	N		
SOF1	O-20.75	7/9	Marty Cole	1	N		
SOFR	O-171	7/12	Nick Bianchini	1	N		
REM TEAM 1	E-191		Phil Wurr	4	N		

Work Assignments (Task and Purpose)

- Task:**
- Patrol existing control lines
 - Complete indirect fireline rehab to forest standards in all divisions, including water barring, chipping, fence repair and scattering brush on the dozer and handlines.
- Purpose:**
- Keep fire from crossing control lines
 - To avoid watershed damage
 - Minimize soil loss
 - To repair damage from fireline suppression activities
 - Prevent unauthorized vehicle access to firelines

End State (Desired outcome and Time Frame)

Fire perimeter remains at existing control lines.
Mitigated long term adverse effects to soil, water quality and riparian resources.

EMS Transport Time Risk Analysis			Note
X <2HRS GREEN	<3HRS YELLOW	>3HRS RED	

Special Instructions

Use Medical Incident Report (MIR); yellow and above severity coordinate through Prescott Dispatch
Prescott Dispatch will staff IMET for weather updates. Notify dispatch on rain events.

Division/Group Communication Summary

Function	Frequency RX	Frequency TX	TONE	CHANNEL	Function	Frequency RX	Frequency TX	Channel
Command	173.9250	165.750	103.5	2	Air to Ground	167.625	167.625	12
Tactical	168.675	168.675		10	Air to Ground Secondary			

Prepared by	Approved By 	Date 7/4/17	Time
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DIVISION ASSIGNMENT LIST		Branch	Division/Group
Incident Name			South (T,V,Z,A)
Goodwin		Operational Period	
		Date: 7/5 – 7/7/2017	Time: 0700-1900

Operations Personnel			
Operations Chief	Kevin Stock/Michael Varljen	Branch Director	
Safety Officer	Marty Cole	Division/Group Supervisor	Chris Loxterman/ Zack Massey (t)

Resources Assigned This Period							
Strike Team/Task Force/ Resource Designator	Req#	Last Shift	Leader	# Persons	Trans. Needed	Drop Off Point/Time	Pick Up Point/Time
LEWIS DOC T2			J. Robbins	20	N		
ENG6 COF-461	E-208	7/11	Erin Mattix	5	N		
ENG6 GCP 811	E-200	7/12	Michael Epperson	6	N		
ENG6 AZ-KNF 314	E-212	7/11	Ryan Russart	6	N		
WT TACTICAL	E-131	7/11	Dana Salibury	1	N		
AJ EXCAVATOR	E-339		Rory Freidank	1	N		
PARKER EXCAVATOR	E-138		Dillon Smith	1	N		
DOZ2 PNF	O-121	7/10	Curt Carlise	1	N		
ARROW CHIPPER	O-341	7/16	David Bowden	1	N		
SOFR	O-20.75	7/9	Marty Cole	1	N		
TFLD	O-31	7/10	Mark Rudkin	1	N		
HEQB	O-35	7/10	Tim Delphe	1	N		
HEQB	O-175	7/12	Matt Todd	1	N		
HEQB (t)			Aaron Stafford	1	N		
WT Mayer	E-1	7/7	Dan Wilson	2	N		
MEDIC 10	E-161	E-160	7/12	E. Phares/R. Sandler	2		
SOFR	O-250		Deano Fernandez	1	N		

Work Assignments (Task and Purpose)

- Task:**
- Patrol existing control lines
 - Complete indirect fireline rehab to forest standards in all divisions, including water barring, chipping, fence repair and scattering brush on the dozer and handlines.

- Purpose:**
- Keep fire from crossing control lines
 - To avoid watershed damage
 - Minimize soil loss
 - To repair damage from fireline suppression activities
 - Prevent unauthorized vehicle access to firelines

End State (Desired outcome and Time Frame)

Fire perimeter remains at existing control lines
Mitigated long term adverse effects to soil, water quality and riparian resources.

EMS Transport Time Risk Analysis			Note
X	<2HRS GREEN	<3HRS YELLOW	>3HRS RED

Special Instructions

. Use Medical Incident Report; yellow and above severity coordinate through Prescott Dispatch
Prescott Dispatch will staff IMET for wether updates. Notify dispatch for and rain events.

Division/Group Communication Summary

Function	Frequency RX	Frequency TX	TONE	CHANNEL	Function	Frequency RX	Frequency TX	Channel
Command	173.925	165.750	103.5	2	Air to Ground	167.625	167.625	12
Tactical	168.775	168.775		11	Air to Ground Secondary			
Prepared by	Approved By		Date		Time			

AIR OPERATIONS SUMMARY 220	Prepared By: Mark Pater	Prepared: 07/04/2017	Prepared Time: 1900 hrs.
1. INCIDENT NAME: GOODWIN FIRE	2. OPERATIONAL PERIOD 07/05/2017 – 07/07/2017	START TIME: 0700	END TIME: 2000
		SUNRISE: 0523	SUNSET: 1946

3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.).

AVIATION SAFETY IS A TEAM EFFORT

AIR OPERATIONS INTENT

ALL MISSIONS WILL BE ANALYZED IN TERMS OF HAZARDS AND RISKS

- THE RISK ASSESSMENT IS AN OPEN PROCESS WELCOMING INPUT.
- HAZARDS WILL BE MITIGATED, RISK WILL BE REDUCED.
- RISK MANAGEMENT PROCESS WILL BE DOCUMENTED AND DISPLAYED.

IF A MISSION FEELS UNSAFE, IDENTIFY SAFE ALTERNATIVES!

Clear Communication is the Key to a Successful Operation.

4. READY ALERT AIRCRAFT: H-1SH Short Haul Capable Order through Dispatch See Medical Plan in the IAP	5. TFR: 7/3893 34°23'32"N 112°18'34"W 7 nautical mile radius 11000' MSL 1400 to 0500 UTC Daily
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6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING Avail/ Type/ Make-Model/ N#/ Base
AOBD			A/A (Fixed)	124.7250		AIRTANKERS: Order thru ATGS
ASGS						ATGS Platforms:
ATGS	Ryan Meyers	916-207-0233	A/G 44		167.6250	N93ME - Aero Commander 690B, Ryan Myers
HMGB (2FH)	Stacia Marks	509-954-7711				
HMGB (1SH)	Jaime Sarabia	509-885-3218				
			VFire 21		154.2800	
			V-Med 28		155.3400 (156.7 TX)	
			Air Guard		168.6250 (110.9 RX/TX)	Prescott Dispatch Center – 928-777-5700 prescott.dispatch@gmail.com

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	TY	MAKE/ MODEL	BASE	START	AVAIL	REMARKS	FAA N#	TY	MAKE/ MODEL	BASE	START	AVAIL	REMARKS
H-1SH	3	AS-350B3	PRC	0700	0800	Recon/Short Haul	2FH	1	S-70C	PRC	0700	0800	Water Drops



10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.)					
TYPE/FUNCTION	PRIORITY	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	MISSION START	FLY FROM	FLY TO
ATGS		Provide coverage as needed and requested by IC/Ops.	TBD	PRC	Fire
Initial Attack		Support Initial Attack actions as requested.	TBD	PRC	IA
Medevac		**See Medical Plan in IAP**	TBD		Fire
Water Drops		As needed and approved by IC/OPS	TBD	PRC	Fire
Recon		Fire reconnaissance by IC/OPS.	TBD	PRC	Fire

Helibase, Dip Sites, Pick Up Sites, etc.	
H-1: N34° 22.19' W112° 15.83' (4,712' elevation)	Pine Flat Pond (Type 3 only): N34° 21.40' W112° 21.04' (5,429' elevation) pond
H-2: N34° 21.780' W112° 21.220' (5,534' elevation)	Cedar Tank: N34° 21.65' W112° 16.61' (4,700' elevation) dirt tank
H-3: N34° 18.830' W112° 22.357' (5,693' elevation)	Blue Dip: N34° 31.844' W112° 18.556' (5,328' elevation) 6,000 gal. pumpkin
H-4: N34° 26.920' W112° 16.230' (4,887' elevation)	Eugene Dip: N34° 27.256' W112° 18.906' (5,185' elevation)
H-5: N34° 24.036' W112° 21.902' (6,812' elevation)	
H-7: N34° 25.775' W112° 20.993' (5,178' elevation)	
H-10: N34° 28.858' W112° 17.463' (5,141' elevation)	
H-11: N34° 29.285' W112° 16.368' (4,986' elevation)	
H-12: N34° 29.690' W112° 15.970' (4,859' elevation)	

Wind Restrictions	
Flights above ground level	Flight Permitted in Winds
	Less than / Maximum Gust Spread
More than 500' AGL	Type 1 Helicopters <50kts / Gusts: N/A
Less than 500' AGL	Type 2 Helicopters <50kts / Gusts: N/A
	Type 3 Helicopters <30kts / Max Gust Spread: 15kts
	<40 kts / Max Gust Spread: 15kts
	<30kts / Max Gust Spread: 15kts

M. Schwab

Approved by: /s/ Pete Schwab, AOBD

Group 3 - PNF West Zone

User Tone Select Enabled

CHANNEL	RX	RX CG	TX	TX CG
1. PNF FIRENET	173.9250	N/A	173.9250	N/A
2. PNF FIRENET RPT	173.9250	N/A	165.7500	User Select
3. PNF ADMIN RPT	170.4625	N/A	165.0125	User Select
4. ALARM 1 - DISP	154.1600	146.2	158.9625	Tone 11
5. CMND 2 - PFD	154.3400	146.2	153.9500	Tone 11
6. CMND 5 - CAFD	155.5575	156.7	158.9325	Tone 12
7. CMND 8	155.7075	156.7	159.0375	Tone 12
8. GCFD/WALKER	155.0100	156.7	159.0600	Tone 12
9. FS TAC 1	167.5500	N/A	167.5500	N/A
10. FS TAC 2 NORTH	168.6750	N/A	168.6750	N/A
11. FS TAC 3 SOUTH	168.7750	N/A	168.7750	N/A
12. AIR-GRND 44 <i>primary</i>	167.6250	N/A	167.6250	N/A
13. AIR-GRND 34 <i>secondary</i>	167.1750	N/A	167.1750	N/A
14. VFIRE 21 (MUT AID)	154.2800	N/A	154.2800	N/A
15. TRAVEL	168.3500	N/A	168.3500	N/A
16. AIR GUARD	168.6250	110.9	168.6250	Tone 4

Number	Tone	PNF (CH. 2 & 3)
1	100.0	---
2	103.5	UNION
3	107.2	FIRST CHOICE COMMAND
4	110.9	---
5	114.8	MINGUS
6	123.0	---
7	127.3	BILL WILLIAMS
8	131.8	---
9	136.5	TOWERS
10	141.3	SQUAW
11	146.2	---
12	156.7	HYDE
13	162.2	WILDFLOWER
14	167.9	---
15	179.9	PORTABLE
16	192.8	SPRUCE

SAFETY MESSAGE

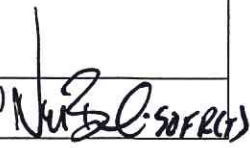
INCIDENT NAME: GOODWIN FIRE	OPERATIONAL PERIOD: 7/5/17-7/7/17
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MAJOR HAZARDS:

<ul style="list-style-type: none"> ➤ DRIVING/UTV OPERATIONS – Drive defensibly and sensibly. Use your head and protect your head. ➤ CUMULATIVE FATIGUE – Take care of yourselves. We need you for the long haul. ➤ COMPLACENCY – We still have a job to do, stay focused and vigilant. 	 <p>SOUTHWEST AREA TYPE 1 INCIDENT MANAGEMENT TEAM 2 JOHN PIERSON - INCIDENT COMMANDER</p> <p style="font-size: 1.2em; font-weight: bold;">Let's keep up the great safety record going for the duration of this fire.</p>
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NARRATIVE:

<h3 style="margin: 0;">TRANSITION!!!!</h3> <p>As we all know, transitions are potentially a Watch Out situation. It is important to insure that every firefighter has good direction and true Leaders Intent. Additionally, take the time to discuss the task, purpose and end state of the work assignment; the residual safety risks of the work assigned; and the transport times to a hospital in the case of an injury so that the firefighters in the field can make the best risk informed decisions possible.</p> <p>Important Items to Keep in Mind:</p> <p>BRIEFINGS: It is a requirement to conduct a briefing prior to beginning the work shift. Review all parts of the IAP with crews. If you are unsure about your assignment, obtain clarification prior to beginning work. Reassess your situation and re-brief crews whenever the situation or conditions change.</p> <ul style="list-style-type: none"> • DRIVING: Expect heavy traffic due to Holiday travelers and residents returning. Full attention should be focused on “your” driving and always be considerate of others on the roadways. Interior roads are rough and hazardous to your undercarriage and tires. Drive slow and consider using alternate vehicles (ATV, UTV). • UTV OPERATIONS: The operation of ATV/UTVs can be high risk. The use of ATV/UTVs should be evaluated to ensure the use is essential to accomplish the mission, rather than for convenience. All personnel authorized to operate an ATV/UTV must first complete agency specific in safe operating procedures and appropriate PPE. Helmets must be DOT certified.....wearing hardhats while driving a UTV is not allowed. Forest Service policy provides no exception to the helmet requirement for low speeds, smooth travel surfaces, or administrative use. (FSH 6709.11, Chapter 10) • CUMULATIVE FATIGUE: Studies have shown that sleep quality and quantity throughout multiday fires increases fatigue-related risk and decreases firefighters’ health. Ensure firefighters are getting enough sleep when it is time to sleep. • COMPLACENCY: Interesting definition.....self-satisfaction especially when accompanied by unawareness of actual dangers or deficiencies •When it comes to safety, complacency can be dangerous. Try looking at each task with a different set of eyes and think, “what’s the worst thing that can happen to me.” • Heat Related Illness (HRI): The Southwest Geographic Area has experienced 24 HRI cases over the last several weeks. Two cases of Rhabdomyolysis, twenty two cases of Dehydration and one case of Heat Stress. On days with abnormally hot temperatures implement mitigations such as bi-modal shifts, increased rest breaks, and expect lower production rates. See the attached Heat Illness Prevention Guide.
<p>SAFETY OFFICERS: Marty Cole/Dean Fernandez(t)/Nick Bianchini(t)</p>

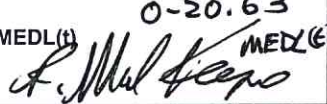
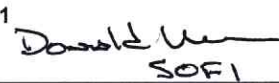

 JOHN PIERSON

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name				2. Operational Period			
GOODWIN FIRE				Date/Time 07-05-17, 07-06-17, 07-07-17 / Day 0600-1900			
3. Ambulance Services							
Name	Complete Address	Phone & EMS Frequency		Advanced Life Support (ALS) Yes No			
Lifeline Ambulance	1099 W Iron Springs Rd, Prescott, AZ 86305	(911) (928) 445-3814		ALS YES			
Mayer Fire	11975 S State Route 69, Mayer AZ 86333	(911) (928) 632-9534		ALS YES			
4. Air Ambulance Services							
Name	Phone	Type of Aircraft & Capability					
Native 14 YRMC East, Prescott Valley AZ	(800) 642-7828 Disp (928) 445-3304 Office	A-Star Nurse and Paramedic NVG Contact on AZ Mutual Aid / VFIRE21 20 minute response after notification					
Native 4 YRMC West, Prescott AZ	(800) 642-7828 Disp (928) 445-3304 Office	A-Star Nurse and Paramedic NVG Contact on AZ Mutual Aid / VFIRE21 20 Min response after notification					
Angels 3 Guardian Air Cottonwood AZ	1-800-523-9391	Bell 407 Nurse and Paramedic NVG Contact on AZ Mutual Aid / VFIRE21 30 min after notification					
DPS Ranger 42 Phoenix AZ	1-800-247-6337	Short Haul NVG Contact on AZ Mutual Aid / VFIRE21 45 min after notification					
DPS Ranger 58 Deer Valley, AZ	1-800-247-6337	Short Haul NVG Contact on AZ Mutual Aid / VFIRE21 50 min after notification					
DPS Ranger 52 Kingman AZ	1-800-247-6337	Short Haul NVG Contact on AZ Mutual Aid / VFIRE21 60 min after notification					
5. Hospitals							
Name Complete Address	GPS Datum – WGS 84 Coordinate Standard Degrees Decimal Minutes DD° MM.MMM' N - Lat DD°MM.MMM' W - Long	Travel Time Air Gnd		Phone	Helipad YesNo		Level ofCare Facility
Yavapai Regional Medical Center East 7700 E Florentine Rd Prescott Valley Az 86314	Lat: N34° 35.510	15 min	9 min	(928)771-5555 Patch ED (928) 445-2700 Main Line	X	<input type="checkbox"/>	Level 4
	Long: W112° 19.841						
	VHF:						
Yavapai Regional Medical Center West 1003 Willow Creek Rd Prescott, AZ 86301	Lat: N34° 33.491	15 min	26 min	(928)771-5555 Patch ED (928) 445-2700 Main Line	X	<input type="checkbox"/>	Level 4
	Long: W112° 28.896						
	VHF:						
Maricopa Medical Center 2601 E. Roosevelt Phoenix, Az. 85008	Lat: N 33° 27.450	35 min	1hr 17 min	(602) 344-5726	X	<input type="checkbox"/>	TRAUMA CENTER Level 1 BURN CENTER
	Long: W 112° 01.567						
	VHF:						
John C Lincoln Medical Center 250 E Dunlap Phoenix AZ 85020	Lat: N33° 34.130	32 min	1hr 12 min	(602) 943-2381 (602) 870-6060 (602) 997-7165 Patch ED	X	<input type="checkbox"/>	TRAUMA CENTER Level 1
	Long: W112° 4.2488						
	VHF:						
Flagstaff Medical Center 1200 N Beaver St Flagstaff AZ 86001	Lat: N35° 12.558	30 min	1hr 17 min	(928) 779-3366	X	<input type="checkbox"/>	TRAUMA CENTER Level 1
	Long: W111° 38.657						
	VHF:						

MEDICAL PLAN (ICS 206 WF)

6. Division Branch Group	Area Location Capability	
<h1>North</h1>	EMS Responders & Capability:	REM Team 1: Phil Wurr, Rick Hiltner, Chris Krechmar, Joel Stevenson.
	Equipment Available on Scene:	ALS, ALS REM
	Medical Emergency Channel:	Command Air Medical Evac VFIRE21
	ETA for Ambulance to Scene:	All Times approximate to Definitive Care
	Air:	35 min to Burn center and Trauma Center
	Ground:	1 Hr 45 min to Burn Center and Trauma Center
	Approved Helispot:	H4 H5
	Lat:	N 34° 26.920' N34° 24.036'
Long:	W112° 16.230' W112° 21.902'	
<h1>South</h1>	EMS Responders & Capability:	Medic Team 10 Ron Sandler (ALS) Liz Phares (BLS)
	Equipment Available on Scene:	ALS, BLS
	Medical Emergency Channel:	Command Air Medical Evac VFIRE21
	ETA for Ambulance to Scene:	All Times approximate to Definitive Care
	Air:	35 min to Burn center and Trauma Center
	Ground:	1 Hr 45 min to Burn Center and Trauma Center
	Approved Helispot:	H1 H2 H3
	Lat:	N34° 22.19' N34° 21.780' N34° 18.803'
Long:	W112° 15.83' W112° 21.220' W112° 22.357'	

7. Prepared By (Medical Unit Leader)	8. Date/Time	9. Reviewed By (Safety Officer)	10. Date/Time
Scott Philips MEDL (602) 300-2156 Robert Keegan MEDL(I) (602) 502-8521 <i>0-20.63 MEDL(E)</i> 	7/4/2017	Mike Gillespie SOF 1 Don Muise SOF 1 	7/4/2017 7/4/2017

Goodwin Fire Suppression Damage Repair Plan

Objectives

- To avoid watershed damage in excess of that which would be caused by the fire itself.
- Rehabilitate watershed features and functions damaged by wildland fire control and suppression related activities to avoid, minimize, or mitigate long-term adverse effects to soil, water quality, and riparian resources.
- To stabilize all areas that exhibit a significant increase in erosion potential, or a drainage pattern altered by suppression related activities.
 - Where soil has been exposed and compacted for parking areas, safety zones, and dozer lines it will be necessary to re-contour with the use of equipment and cover with slash material.

Repair Standards

General

- Collect and carry out all trash, excess equipment, and flagging from fire lines, staging areas, Heli-spots, safety zones, escape routes, drop points, pump sites, and Heli-wells.
- Provide information to division supervisors about fire damage to fences, gates, troughs, cattle guards, corrals, signs, roads, and any archeology features or artifacts that personnel believe should be assessed.
- Ensure all equipment and vehicles demobilizing from incident use the weed wash station before leaving.

Range Infrastructure

- Provide information to division supervisors about any cut fences, broken gates, or cattle guards impacted by fire suppression actions.

Hazardous Tree Mitigation

- Remove trees felled during suppression activities or other obstructions, such as rocks, from road culverts, bar ditches which may create post-fire safety hazards or drainage issues in the instance of flooding.
- Clear all streambeds and borrow ditches of brush and debris generated as a result of fire suppression actions. Do NOT pile down vegetation, spread out on site.
- Clear snags along roadways that pose an immediate threat to firefighter and public safety.

Flagging

- Be sure to leave flagging marking Heli-spots, safety zones, escape routes or other key features until end of operations. Division Supervisors will make this determination.
- For all other non-essential fire related flagging, remove once it is no longer required. For example, along Dozer lines and hand lines that were used as perimeters for machinery.

Heli-spots, and Pump Sites

- Make sure all materials are removed.
- Inspect sites for spilled gas or oil and remove contaminated soil in plastic garbage bag, double bag. Dispose in dumpster.
- If materials were cut, scatter back over site.

Fire Lines

Repair of fire lines, both hand and dozer types, should only occur after spread of fire has stopped and lines are secure. Fire lines may require water control features to prevent erosion. In the chaparral vegetation type the most effective method of repair for lines is to achieve as much brush to earth contact as possible using the windrowed material from construction. Water bars should reduce erosion in the short term and shouldn't last for more than a few years, don't build them too big. Work with Resource Advisors to determine specifications for the various lines.

Water Bars

Water Bars are only necessary on slopes for water control. Place organic debris on the outlet to dissipate the water. This distance may be more or less depending on vegetation type, topography, and/or areas where drainage can naturally occur such as natural dips, rocky ground, or where slash & vegetation can filter sediment. Ensure each water bar has a direct natural outlet, ideally into rocks or vegetation and ideally away from burned area. When in doubt, reduce the spacing. Resource Advisors will work individually with Heavy Equipment Bosses and equipment operators to give specific repair instructions on the larger dozer lines.

Spacing of Road Water Bars by Gradient

Less than 15%	150 feet
16-30%	75 feet
30 to 45%	50 feet
Greater than 45%	35 feet, or specified by Resource Advisor.

For slopes greater than 30%, angle water bars to 20-30 degrees to fall line.

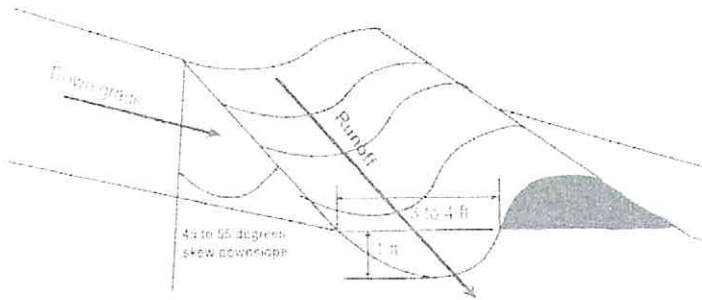


Figure 1 Water Bar Example

Roads

Reconstruct roads damaged by mechanized equipment to stabilize the road prism and running surface.

- Check any culverts or other drainage structures on roads in fire perimeter for damage caused by suppression activities. Pay particular attention to County Roads 58 & 177. Notify division supervisor if damage is found.
- Ensure bar ditches and culverts are free of slash and other debris so water can flow freely. Also inspect immediate area above these features and remove materials that have high probability of clogging these drainage features during monsoon rains.
- Work with Resource Advisor to determine need for drainage installation on roads impacted by heavy equipment.
- Cut any stumps flush with the ground along roadways.
- Chip any windrows of brush stacked along roadways- don't pile chips any thicker than 2 inches, disperse as you go. Thick covering of chips changes the PH of the soil and prohibits vegetation growth.

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report					
FOR ALL MEDICAL EMERGENCIES: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.					
Use items one through nine to communicate situation to communications/dispatch.					
1. CONTACT COMMUNICATIONS/DISPATCH <i>Ex: "Communications, Div. Alpha. Stand-by for Priority Medical Incident Report." (If life threatening request designated frequency be cleared for emergency traffic.)</i>					
2. INCIDENT STATUS: <i>Provide incident summary and command structure.</i>					
Nature of Injury/Illness			<i>Describe the injury (Ex: Broken leg with bleeding)</i>		
Incident Name			<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>		
Incident Commander			<i>Name of IC</i>		
Patient Care			<i>Name of Care Provider (Ex: EMT Smith)</i>		
3. INITIAL PATIENT ASSESSMENT: <i>Complete this section for each patient. This is only a brief, initial assessment. Provide additional patient info after completing this 9 Line Report.</i>					
Number of Patients:	Male / Female	Age:	Weight:		
Conscious? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!					
Breathing? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!					
Mechanism of Injury: <i>What caused the injury?</i>					
Lat/Long (Datum WGS84) <i>Ex: N 40° 42.45' x W 123° 03.24'</i>					
4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY					
SEVERITY			TRANSPORT PRIORITY		
<input type="checkbox"/> URGENT-RED Life threatening injury or illness. <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.</i>			Ambulance or MEDEVAC helicopter. Evacuation need is IMMEDIATE .		
<input type="checkbox"/> PRIORITY-YELLOW Serious Injury or illness. <i>Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.</i>			Ambulance or consider air transport if at remote location. Evacuation may be DELAYED .		
<input type="checkbox"/> ROUTINE-GREEN Not a life threatening injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>			Non-Emergency. Evacuation considered Routine of Convenience .		
5. TRANSPORT PLAN:					
Air Transport: (Agency Aircraft Preferred)					
<input type="checkbox"/> Helispot	<input type="checkbox"/> Short-haul/Hoist	<input type="checkbox"/> Life Flight	<input type="checkbox"/> Other		
Ground Transport:					
<input type="checkbox"/> Self-Extract	<input type="checkbox"/> Carry-Out	<input type="checkbox"/> Ambulance	<input type="checkbox"/> Other		
6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:					
<input type="checkbox"/> Paramedic/EMT(s)	<input type="checkbox"/> Crew(s)	<input type="checkbox"/> SKED/Backboard/C-Collar			
<input type="checkbox"/> Burn Sheet(s)	<input type="checkbox"/> Oxygen	<input type="checkbox"/> Trauma Bag			
<input type="checkbox"/> Medication(s)	<input type="checkbox"/> IV/Fluid(s)	<input type="checkbox"/> Cardiac Monitor/AED			
<input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter)					
7. COMMUNICATIONS:					
Function	Channel Name/Number	Receive (Rx)	Tone/NAC *	Transmit (Tx)	Tone/NAC *
<i>Ex: Command</i>	<i>Forest Rpt, Ch. 2</i>	<i>168.3250</i>	<i>110.9</i>	<i>171.4325</i>	<i>110.9</i>
COMMAND					
AIR-TO-GRND					
TACTICAL					
*(NAC for digital radio system)					
8. EVACUATION LOCATION:					
Lat/Long (Datum WGS84) <i>EX: N 40 42.45' x W 123 03.24'</i>					
Patient's ETA to Evacuation Location:					
Considerations: <i>If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...</i>			REMEMBER: Confirm ETA's of resources ordered Act according to your level of training Be Alert. Keep Calm. Think Clearly. Act Decisively.		