- INCIDENT ACTION PLAN -

Vantage Highway

Cow Canyon

Vantage Highway WA-SES-000263 WA-SES-000277 221-CBA

Cow Canyon PN PX8Y (1522) PN PYS3 (1522) 221-CBB



DOWNLOAD IAP and MAPS



SCAN QR for BRIEFING OR **ZOOM PHONE IN** +1 253 215 8782 Meeting ID: 886 8227 5977

Passcode: 830227



August 8, 2022 - 0600-1800

INCIDENT OBJECTIVES (ICS 202)

	NCIDENT OBJEC	11723 (103 202)		
1. Incident Name:	2. Operational Perio	d: 0600-1800		
VANTAGE HIGHWAY / COW CANYON	Date/Time From	1:	Date/Time To:	
	08/08/2022 060	0 MON	08/08/2022 1800	MON
3. Objective(s):	1		1	
 Provide for firefighter and public safety identified hazards. Minimize impacts to communities, infra Protect tribal, cultural, aquatic and wild Provide Initial Attack response and ass Maintain and enhance relationships wit and timely information. Manage cost commensurate with value Treat each other with dignity and respe Ensure COVID-19 best management p 	structure, and acres bu life resources, and sen istance for private and h cooperators, stake h es at risk and maintain ect and act in a profess	urned on private lands sitive plant sites. public lands within th olders, landowners, a fiscal accountability. ional manner while or	e delegated area. Ind communities by pro	viding accurate
4. Operational Period Command Emphasis:				
Implement firefighting tactics to minimize fir firefighter and aviation resources as practic	3		s and the least amount	of risk to
General Situational Awareness: Fighting fire in light flashy fuels under hot, or changes in fire behavior before it happens a adequate. Maintain accountability of all ass	and ensure Lookouts, (igned resources while	Communications, Esc	ape Routes, and Safety	
5. Site Safety Plan Required? Yes No Approved Site Safety Plan(s) Located	X			
	checked below are included	in this Incident Action Plan):	
		ner Attachments:		
	X	HUMAN RESOURCE	MESSAGE	
X ICS 204 X ICS 220		UNIT LOG		
X ICS 205 X Map/Chart				
☐ ICS 205A X Weather Forecast/T	ides/Currents			
X ICS 206				
7. Prepared by: MIKE CHARTER P	osition/Title: PSC2	le	ignature: Wilha Ca	
			ignature: Mike (M	harter Kindelar
11 /	lame: BOBBY SHINDELAI			
ICS 202	IAP Page	טן	ate/Time: 08/07/2022 200	U

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational	l Period: (0600-1800					
VANTAGE HIG	HWAY / COW	Date/Tim	e From:		Date/Time T	0:			
CANYON		08/08/202	22 0600	MON	08/08/2022 18	BOO MON			
	nder(s) and Commar			CHIEF	KEVIN HAUGH				
IC	JEFF DIMKE				PAUL FOOTEN	I (T)			
DEP	UTY BOBBY SHIN	IDELAR			JOHN KAUPA				
	CER JACK CATES	The state of the s		FACILITIES UNIT	CALVIN OHLSO				
INFORMAT OFFI	ION JOEL BRUM			GROUND SUPPORT	WHIT SPENCE DAVE HARSH	K (I)			
	LIV STECKE	, ,		UNIT					
LIAISON OFFI	CER SCOTT CRA JEFF SEVIG			COMMUNICATIONS UNIT	MISSY PARKE	R			
HUMAN RESOU	RCE SUSIE MANE			MEDICAL UNIT	EAMONN RYAN				
SPECIA	LIST				LEE VENNING ;JOSH ALEXANDER (T)				
1.1. (0					ALEX LILLA				
Agency/Organization	ation Representative	(s):		SECURITY UNIT					
Agency/Organizati	Name Name								
	PLM CUDIC CUE	NDAN		7. Operations Section:					
	BLM CHRIS SHEF			OPS SECTION CHIEF		•			
	DNR TODD WELK			DI ANNING ODE		(T); CODY ACORD (T)			
DICK/QUILOM	KEY HANNAH BA ENE	TES		PLAINING OPS	JEFF BOUSCHOR JEROMY WILSON (T)				
WDFW - COLOCH	KUM PETE LOPU:	SHINSKI		STRATEGIC OPS	` '				
WDFW - WE	NAS MELINDA HU	JGHES							
К	VFR JOHN SINCL	AIR		DIVISION/GROUP		SAM STEINSHOUER			
KITTITAS CO EMI	ERG DARREN HIG	DARREN HIGASHIAMA		DIVISION/GROUP	HWY) E/M (VANTAGE	BOB HINDS			
	ERG TONY MILLE	TONY MILLER		DIVISION/GROUP	HWY) C (COW	MATT KENNEDY			
IVIC	SIVIT			BIVIOIOI WORKOO!	CANYON)	CARSON ZEPP (T)			
	AGE ERIC ELLIS			DIVISION/GROUP		TED HARGRAVES			
Н	WY) CLARINDA V	VILSON		D1) (1010) 1(0 D0) 1D	CANYON)	IAN MCCORD (T)			
5. Planning Section	ո։			DIVISION/GROUP	W (COW CANYON)	BRIAN CAMPBELL			
CH	HIEF MIKE CHAR			DIVISION/GROUP	STRUCTURE	RICK WOODALL			
PECOLIDOECI	MARGE HUT				(COW CANYON)				
	JNIT JILL JOHNSO								
	TON SUSIE MANE			7b. Air Operations Bran	ch:				
1	JNIT J			AIR OPS BRANCH		R			
DEMOBILIZATION U	JNIT MIKE HESTO	DN		DIRECTOR		TX			
FIRE BEHAV ANAL		D		AIR SUPPORT SUPERVISOR	TIM LYDA				
	LIST HANK FALC	ON							
	LIST SHAWN BUS			8. Finance/Administration					
	MIKE TONKE			CHIEF		R;SARAH THORSON (T)			
TECHNOLO				TIME LINUT	CHRISTINA GO	JEDEL			
SUPPORT SPECIAL	DAVE JOHN	SON		I IIVIE UNI I	STEVE CROW	(T)			
INCID METEOROLOG				PROCUREMENT UNIT		` '			
				COST UNIT	KAY HIGH (VIR	RTUAL)			
6. Logistics Section	n:			COMPENSATION UNIT					
CH	HIEF KEVIN HAUC PAUL FOOT								
9. Prepared By: N	lame: JILL JOHNSON	` '	Position/Title	tion/Title: RESL Signature:					
	AP Page		Date/Time:	08/07/2022 2000		Jill Johnson			
.55 255	તા ા αyહ 		Date/ Hille.	00/01/2022 2000		V			

Fire Weather Forecast

FORECAST NO: **INCIDENT:** Cow Canyon-Vantage Highway Fires

PREDICTION FOR: Monday UNIT: DNR Shift Date: August 7, 2022 SIGNED: **Bob Tobin**

TIME AND DATE Incident Meteorologist (IMET)

FORECAST ISSUED: 8/07/2022 at 2000 Bob Tobin

...Heat Advisory today and through this evening...

Weather Discussion: Weak high pressure will be over the Pac NW on Monday. This will result in a warming and drying trend. Temperatures will be well above normal. In addition, very dry air is moving into the region which will lower the relative humidity. Luckily winds will be light and terrain driven through Tuesday. A low pressure system is moving north along the west coast. This will pump moisture into the region Tuesday and Wednesday. This will lead to a chance of showers and thunderstorms...mainly near the Cascade crest Tuesday night and Wednesday. Expect a cool down with gusty winds beginning Wednesday as the low pressure system moves through the region.

WEATHER FORECAST:

Today:

SKY/WEATHER: Mostly Sunny and warm. Some high level clouds moving through the area.

High Temperature...90-95 on Cow Canyon...94-100 on Vantage Highway. Min RH......15-20% on Cow Canyon...10-15% on Vantage Highway. **20-FOOT WINDS:** South-Southeast 5-10 mph...this is mainly upslope.

CWR (>=0.10").... 0% LAL....1. Haines Index...4 (Low) Mixing Height...9500 ft AGL

Tonight:

SKY/WEATHER: Variable high clouds...Areas of smoke will cause visibility challenges.

Low Temperature...60-65 on Cow Canyon...70-75 on Vantage Highway. Max RH......40-45% on Cow Canyon...30-35% on Vantage Highway.

20-FOOT WINDS: Northwest 5-10 mph.

CWR (>=0.10")....0% LAL...1. Inversion: Becoming moderate to strong after 2100.

Tuesday:

SKY/WEATHER: Sunny early...increasing clouds through the afternoon. Warm.

High Temperature...90-95 on Cow Canyon...93-102 on Vantage Highway. Min RH......15-20% on Cow Canyon...12-17% on Vantage Highway. **20-FOOT WINDS:** Northeast-east 5-10 mph with gusts to 15 mph after 1000.

CWR (>=0.10")....0% LAL....1 Haines Index...4 (Low) Mixing Height...10000 ft AGL

Extended Outlook

Wednesday...A chance of showers and thunderstorms overnight and through the morning. Clearing through the afternoon. Low: 65-75...High: 85-95. Min RH: 25-35% Winds: variable 8-12 mph...becoming southwest 10-12 mph with gusts to 25 mph.

Thursday... Partly cloudy in the morning...becoming sunny. Low: 55-65...High: 80-90. Min RH: 20-25%

Winds: Southwest 8-12 mph with gusts to 20 mph.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 4	TYPE OF FIRE: WILDFIRE
1 011-01101 11011-011	111 = 01 111 = 111
FIRE NAME: Cow Canyon, Vantage Highway	OPERATIONAL PERIOD: DAY SHIFT Aug. 8, 2021
DATE ISSUED: Aug. 7, 2022	TIME ISSUED: 2000 HOURS
UNIT: SES	SIGNED: DON STRAND, FBAN

INPUTS

WEATHER SUMMARY: See attached spot weather forecast. HOT and DRY - temps in the mid 90's to 100. Min RH's near 10-12%. Winds- South Southeast 5 to 10 mph, mainly upslope.

FUELS: Cow Canyon - grass and brush with timber and brush stringers in draws with larger pockets of timber on northern aspects. Note-Fuel loading in grass fuels is much higher than recent years. Fuel moistures are dry with herbaceous estimated to be partially cured but dry enough to carry fire in most areas. Woody fuels are dry enough for fire spread.

Vantage Highway – Grass fuels are cured and brush fuels are mostly cured. Note-fuel loading in grass fuels is much higher than past years.

Energy Release Component for the area fires are near the 95th to 97th percentile.

OUTPUTS

FIRE BEHAVIOR

GENERAL: Fire behavior potential continues to increase due to warming and drying. Also due to current fuel and weather conditions, the burning period is increasing. Expect smoldering and creeping fire behavior. Potential for flare ups in areas of dirty burns will continue. Torching with spotting is still possible. Adjacent fuels are very receptive to spots and any spot fires will initiate quickly and spread rapidly. Most spotting should be short range with max spotting distance near 0.3 miles. Probability of ignition is 90 %.

Head fire rates of spread in the grass/sage will be approaching 60 feet/minute. In the timber fuels, rates of spread will be near 20 feet per minute with single and group torching.

SPECIFIC:

<u>Cow Canyon:</u> Continue to watch for spots. Expect smoldering and creeping fire behavior. Flare ups in areas of dirty burns possible, if near fire lines, potential for spotting exists. Timber stringers along the north flank may align with the forecasted S-SE wind.

<u>Vantage Highway</u>: Expect limited smoldering in areas that were recently burned. A slight chance for flare ups exists.

<u>Initial Attack:</u> In the event resources respond to a new start, update your Situational Awareness by observing the fuels, weather, and topography where the new fire is located. Any new start in light flashy fuels (grass/brush) will see rapid rates of spread.

AIR OPERATIONS: Potential exists for smoke haze over the fire area today.

SAFETY

With the hot weather, light winds and burned ground, dust devil development is likely. If they move across any hot spots near fire lines, they could be a means to cause spot fires.

Some stump holes are burning deep and are a walking hazard.



14.WEATHER IS GETTING HOTTER AND DRIER

Safety Message

8 August 2022

INCIDENT: VANTAGE HIGHWAY/COW CANYON OPERATIONAL PERIOD: 0600-1800

TOPICS:

EXTRACTION

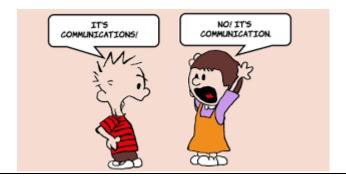
Review extraction routes and methods. Identify equipment on hand and needed to facilitate extraction over rough terrain. Recognize precautions that need to be taken for different types of injuries.

WARMER WEATHER/INCREASED FIRE BEHAVIOR

Temperatures will rise and RH will drop today. PIG and ERC will be on the rise. Pay close attention to unburned pockets of fuel for rate of spread and spotting potential. Maintain awareness of fire behavior on new starts if supporting local IA. Many fatalities and injuries occur in weather transition days where increased fire behavior is observed in light fuels.

COMMON BARRIERS TO EFFECTIVE COMMUNICATION INCLUDE: (Part One)

Stress and out-of-control emotion. When you're stressed or emotionally overwhelmed, you're more likely to misread other people, send confusing or off-putting nonverbal signals, and lapse into unhealthy knee-jerk patterns of behavior. To avoid conflict and misunderstandings, you can learn how to quickly calm down before continuing a conversation.



SAFETY OFFICER: Jack Cates, Taija Corso

Deliberate Risk Assessment-Hazard Summary 8 August 2022

Hazard	Mitigation	Post Risk
Extraction Time	Identify medivac sites and helispots. Initiate ground transport to accident site. Identify EMT's from resources assigned to division. Provide line qualified paramedics to each division as available. Review IWI protocol to ensure familiarity. Utilize short haul in remote areas. Evaluate on-going need for repositioning medical personnel.	High
Snags	Use avoidance to limit exposure time. Snag to avoid exposure. Use qualified fallers and blasting if needed. Conduct on- going risk analysis of all work areas. Follow Hazard Tree Safety Guidelines (IRPG page 20).	High
Transportation	Signing of all incident roads that provide access to divisions. Daily updated travel plan maps. Practice defensive driving. In local communities obey the posted speed limits. Use reader boards to control entry as needed. Identify and evaluate contingency and alternate escape and travel routes, implement controls as needed.	High
Heavy Equipment	Post lookouts around equipment work areas. Establish communications with equipment boss and operator. Do not work down slope from equipment.	High
Aircraft	Utilize Air Attack. Ensure all resources are a safe distance from all bucket and retardant drops. Establish LCES. Utilize air to ground primary radio channel. Reference IRPG (Safe aircraft operations pg. 61). Ensure IA resources have coordination with unassigned local air resources to provide deconfliction.	High
Public Interaction	Implement road and area closures in and adjacent to the perimeter.	Moderate
Unburned Fuels/Firing Ops	Establish LCES. Ensure management action points are implemented and followed. Weather updates as needed during burning operations. Locate indirect firelines to minimize the amount of unburned fuels. Follow Interagency Ignition Guide. Ensure communications between all firing operations. Establish road security at all firing sites. Follow approved firing plan for unburned fuels.	Moderate
Steep Terrain/Gravity	Do not work crews above or below each other. Post lookouts for rolling material. Watch footing in loose soil, rock and around vegetation. Do not work below heavy equipment. Scout and identify travel routes. Establish LCES.	Moderate
Physical Factors	Maintain hydration schedule. Closely monitor work rate and implement rest periods. Maintain nutrition. Ensure adequate work/rest.	Moderate
Environmental Factors	Assign medical personnel to camp. Assess for known allergies and report to medical personnel. Obtain Bee Bopper/wasp spray and yellow jacket traps. Locate dumpsters/trash, food and feeding areas away from sleeping and assembly areas.	Moderate
Fire Behavior	Be aware of burn windows, min/max RH for local conditions. Obtain hourly weather conditions from each Division.	Moderate
Structure Protection	Identify and report compromised service poles and maintain one span avoidance area. Identify downed lines. Treat all lines as live. Identify and avoid vehicles, tires, propane tanks.	Moderate
Initial Attack	Ensure identified IA resources are briefed of expectations and ensure communication plan is provided. Ensure resources are briefed on IA command structure. Provide identified crews with area maps.	Low
COVID Viral Transmission	Maintain awareness of health and perform self-checks. Report and isolate if symptomatic. Coordinate with Kittitas County Public Health for testing, reporting and isolation as needed. Follow agency policy for symptomatic or positive test personnel or public health directions, whichever is more stringent.	Low

Division/Group Assignment List (ICS 204 WF) Controlled Unclassified Information//Basic

1. Incident Name:					3.							
VANTAGE HIGHWAY / CC	W CANYON				Branch: Div			Division/Groι	ір			
2. Operational Period:	0600-1800											
Date/Time From:		Date/Time To:						A/Z	(VANTAGE)			
08/08/2022 0600 MON	1 0	8/08/2022 180	0 M	ON								
4.	Operations Personnel											
OPERATIONS CHIEF AARON ROWE CODY ACORD (T)					ON/GROUF	SUPERV	ISOR	BOB HINDS				
AIR OPS BRANCH DIRECTOR	PAUL BALFOUR	2			SA	FETY OFF	ICER	JACK CATES; TA	IJA CORSO			
5. Resources Assigned this Period												
Strike Team / Task Fo Resource Designat		LWD		Leader		Number Persons	Dro	op Off PT./Time	Pick Up PT./Time			
O-28 SOFR		08/16	MARY HUE	LS		1	KITTI	TAS/0600	KITTITAS/1800			
C-6 CR2I USFS BOISE **		08/16	CHRISTOPHER KN		IGHT	19	KITTI	TAS/0600	KITTITAS/1800			
NW STRIKE TEAM												
O-24 (C) STEN **		08/16	JOTHAN M	CGAUGI	HEY	1	KITTITAS/0600		KITTITAS/1800			
O-23 (C) STEN (T) **		08/16	TRENTON	CROSSI	_AND	1	KITTI	TAS/0600	KITTITAS/1800			
E-21 (C) ENG5 DNR NWS E520	4 **	08/16	CAMRON A	NDERS	ON	4	KITTITAS/0600		KITTITAS/1800			
E-22 (C) ENG5 DNR PCS E230	1 **	08/16	TREY HAR	TLEY		3	KITTI	TAS/0600	KITTITAS/1800			
E-23 (C) ENG5 DNR PCS E2205)**	08/16	THOMAS T	ANGEN		4	KITTI	TAS/0600	KITTITAS/1800			
E-24 (C) ENG5 DNR PCS 1201 ** 08/16			FILIPE BARRAGAN			5	KITTI	TAS/0600	KITTITAS/1800			
E-25 (C) ENG5 DNR OLS E1301	**	08/16	JEFF HAPPE			5	KITTI	TAS/0600	KITTITAS/1800			
E-32 AMBU AMR ALS		08/16	JACOB AM	BACH		2	KITTI	TAS/0600	KITTITAS/1800			
6. Control Operations/Work Assignment	gnments:	1	1						1			

TASK: Monitor, Patrol and Mop up as necessary

PURPOSE: Contain fire within existing footprint to protect community of Vantage, Puget Sound Energy windmills, and the Vantage and I-90 highway corridors

END STATE: Fire is contained north of the Vantage highway and east of the N7000 road. Identified values at risk are protected from further fire spread.

7. Special Instructions:

ICS 204 WF (1/14)

** Resource will be used for IA as needed.

(C) - Identifies resources assigned to the Cow Canyon fire. Reassignment to Vantage Highway fire is in process.

B. Division/Group Communication Summary											
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/V	TX Tone/NAC	Mode					
COMMAND	3	168.4750	156.7	165.4000	156.7	A					
TACTICAL	7	166.7750	750 107.2 166.7750		107.2	A					
AIR TO GROUND	14	169.2000		169.2000		A					
AIR TO GROUND	15	167.9500	167.9500			A					
9. Prepared By (Resource U	nit Leader)	Approved By	/ (Planning Section C	hief)	Date	Time					
JILL JOHNSON MIKE CHARTER					08/07/2022	1125					

Division/Group Assignment List (ICS 204 WF) Controlled Unclassified Information//Basic 3.

1. Incident Name:						3.					
VANTAGE HIGHWAY /	COW CAN	IYON				Branci	h:		Division/Grou	ıb	
2. Operational Period:	0600-1	800									
Date/Time From: 08/08/2022 0600	MON		te/Time To: 8/2022 180		10N				E/M	(VAN	TAGE)
4.				Operations	Personn	el					
OPERATIONS CH	HEF AARON	ROWE					P SUPERV	/ISOR	SAM STEINSHOU	JER	
		CORD (T)									
AIR OPS BRANCH DIRECT	FOR PAUL B	ALFOUR				SA	FETY OF	FICER	JACK CATES; TA	IJA C	ORSO
5.	<u> </u>		Reso	urces Assigi	ed this	Period					
Strike Team / Tas	sk Force /		110001		ica tilio	Cilou	Number	I		Τ	
Resource Desi			LWD		Leader		Persons	Dro	p Off PT./Time	P	Pick Up PT./Time
O-28 SOFR			08/16	MARY HUE	LS		1	КІТТІТ	AS/0600	KITT	TTAS/1800
O-9 HEQB (T) **			08/14	ANDREW I	NAUGHT	ON	1	КІТТІТ	AS/0600	KITT	TTAS/1800
C-2 CRW2 DNR CASCADE *	*		08/16	JOHN MOO	ON		20	KITTIT	AS/0600	KITT	TTAS/1800
E-15 DZR3 DUKES EQUIPME	NT **		08/14	STEVEN H	ALEY		2	KITTIT	AS/0600	KITT	TTAS/1800
O-25 EMTF			08/15	DREW PER	RRY		1	KITTIT	AS/0600	KITT	TTAS/1800
O-27 EMTF			08/16	MICHAEL	SCHMID ⁻	ΓGALL	1	KITTIT	AS/0600	KITT	TTAS/1800
PURPOSE: Contain fire END STATE: Fire is cor Div M: TASK: Monitor, patrol ar PURPOSE: Contain fire additional fire impacts. END STATE: Fireline in 7. Special Instructions:	TASK: Monitor, patrol and mop-up as necessary. PURPOSE: Contain fire within existing footprint to protect Puget Sound Energy windmills and valuable wildlife habitat. END STATE: Fire is contained east of the N7000 road. Identified values at risk are protected from further fire spread. Div M: TASK: Monitor, patrol and mop-up as necessary. PURPOSE: Contain fire south of the Quilomene Ridge road to protect Quilomene/Whiskey Dick wildlife management area from additional fire impacts. END STATE: Fireline in the correct location with the right dimensions to contain the fire.										
8.			Division	n/Group Com	nmunicat	ion Sumn	nary				
Function	Channe	I RX	Frequency	/ N/W	RX Tone	NAC 1	ΓX Frequer	ncy N/W	/ TX Tone/NA	С	Mode
COMMAND	3		168.4750		156.	7	165.40	000	156.7		A
TACTICAL	6		166.7250)	107.	2	166.72	250	107.2		Α
AIR TO GROUND	14		169.2000)			169.20	000		ļ	Α
AIR TO GROUND	15		167.9500				167.95				Α
9. Prepared By (Resource Un	nit Leader)		Appro	ved By (Plai	nning Se	ction Chie	ef)	lı lı	Date	1	Гime

1125

08/07/2022

MIKE CHARTER

JILL JOHNSON

ICS 204 WF (1/14)

1. Incident Name:			Controlled	Unclass	ified infor	mation/	/Basic			
COW CANYON						Branc	:h:		Division/Grou	ıp
2. Operational Period:	DAY									
Date/Time From:	10N	_	eate/Time To:	0	MON				c (co	W CANYON)
4.					s Personn	ol.				
OPERATIONS CHI	EF AARON RO	OWE		Operation			JP SUPER\	/ISOR	MATT KENNEDY	
	KURT RAN	TA (T);	;			CARSON ZEPP (T)				
AIR OPS BRANCH DIRECTO	OR PAUL BALI	OUR			SAFETY OFFICER JACK CATES; TAIJA CORSO					
5.	1		Resou	rces Ass	igned this	Period		'		
Strike Team / Task Resource Desig			LWD		Leader		Number Persons	Dro	op Off PT./Time	Pick Up PT./Time
O-30.71 SOF2			08/18	JOSH NO	ORTHRUP		1	<u> </u>	HES/0600	NACHES/1800
C-11.6 TFLD			08/14	DREW V	ENNICE		1	NACH	HES/0600	NACHES/1800
C-11.5 HEQB			08/14		MAUGHAN		1		IES/0600	NACHES/1800
O-17 HEQB (T)			08/17	PAXTON			1			NACHES/1800
O-48 HEQB (T)			08/20	JASON E			1 1	NACHES/0600 NACHES/0600		NACHES/1800
O-52 HEQB			08/20		IARTELOO		1 1		IES/0600	NACHES/1800
O JZ FIEQD			00/20	OT II (IO T	IAITIEEOO		<u>'</u>	IVAOI	120/0000	14701120/1000
C-11 CRW1 ROGUE RIVER IH	<u> </u>		08/14	AARON	90UIU		20	NACL	HES/0600	NACHES/1800
C-13 CRW1 ENTIAT IHC					E PICKARD				HES/0600	NACHES/1800
			08/20				22			
C-10 CRW WENATCHEE RV 7			08/14		RQUART		22		HES/0600	NACHES/1800
C-12 CRW2 TJ FORESTRY CO				VICTOR			20		HES/0600	NACHES/1800
C-17 CR2I PATRICK ENVIRON	NMENTAL		08/13	JOSH BURNAY			20	NACH	HES/0600	NACHES/1800
E-13 ENG3 BAILEY ENTERPF			08/17	GREG B			3		IES/0600	NACHES/1800
E-14 ENG4 WILD FIRE SERV	ICES INC		08/17	MIKE FC	STER		3	NACH	IES/0600	NACHES/1800
E-15 ENG4 WILD FIRE SERV	ICES INC		08/17	STEVE F	KURVINK		3	NACH	IES/0600	NACHES/1800
E-46 ENG4 WILD FIRE SERV	ICES		08/20	RUBI HE MARTIN	RNANDEZ EZ	-	3	NACH	IES/0600	NACHES/1800
E-47 ENG5 WILD FIRE SERV	ICES		08/20	JASON S	SARE		3	NACH	HES/0600	NACHES/1800
E-50 ENG6 BAILEY ENTERPF	RISES		08/17	CATARII	NO RABAD	AN	3	NACH	IES/0600	NACHES/1800
8.			Division	/Group Co	ommunicat	ion Sumi	mary			
Function	Channel	R	X Frequency	- i -	RX Tone		TX Freque	ncy N/V	V TX Tone/NA	C Mode
COMMAND	1		170.6875		156.		166.57		156.7	A
COMMAND	2		171.7500		156.	7	164.67	'50	156.7	A
TACTICAL	4	İ	168.0500		107.2	2	168.05	500	107.2	A
AIR TO GROUND	12		169.6500				169.65	500		A
AIR TO GROUND	13		169.8125				169.81	25		A
9. Prepared By (Resource Uni	t Leader)		Approv	ed By (P	lanning Se	ction Chi	ief)		Date	Time
JILL JOHNSON			MIKE	CHARTE	₽				08/07/2022	2000

	(Controlled	Unclassifie	ed Infor	mation//E	Basic	•	•		
1. Incident Name:					3.					
COW CANYON					Branch	n:		Division/Gro	up	
2. Operational Period:	DAY									
Date/Time From:	Da	ate/Time To:						c (cd	OW CANYON)	
08/08/2022 0600 MON	08/0	08/2022 180	0 M	ON						
4.			Operations I	Personn	el					
OPERATIONS CHIEF AARON ROWE KURT RANTA (T);								MATT KENNEDY CARSON ZEPP ((T)	
AIR OPS BRANCH DIRECTOR F		SA	FETY OFF	ICER	JACK CATES; T	AIJA CORSO				
5.		Resou	ırces Assign	ed this	Period					
Strike Team / Task Force / Resource Designator LWD			Leader Number Persons			Dro	op Off PT./Time	Pick Up PT./Time		
E-3 WTS2 PINE MOUNTAIN EXCA	VATING	08/17	BOB GOSS	}		1	NACH	IES/0600	NACHES/1800	
E-43 WTS2 KELSI N BEAMAN		08/20	DUANE LARSON			1	NACHES/0600		NACHES/1800	
E-52 WTT1 WE HAUL H2O		08/21	WARREN K	(IPP		2	NACHES/0600		NACHES/1800	
E-2 DZR2 ANDREW DUKE		08/17	ANDY DUK	E		4	NACHES/0600		NACHES/1800	
E-42 SKG2 DUKE, ANDREW		08/19	JUSTIN DURSTON			2	NACH	HES/0600	NACHES/1800	
E-31 PCT2 PETERSON DIESEL REPAIR		08/20	KYLE PETERSON			2	NACHES/0600		NACHES/1800	
O-31 REM BEYOND THE EDGE		08/20				4	NACH	HES/0600	NACHES/1800	
6. Control Operations/Work Assign TASK: Secure and mop up a outside primary control lines.		eter, from	C/L break	to the	C/W brea	ak along	N. Fo	ork Wenas Rd.	100% mop all spots	

PURPOSE: Contain fire edge and prevent fire spread to the north or west towards Manastash community or Ellensburg and prevent any further impacts to natural resources and loss of timber.

END STATE: Fire is contained south of Manastash Ridge and east of North Wenas Road.

7. Special Instructions:

ICS 204 WF (1/14)

Insurance Engine in Division - identifier SG07.

8. Division/Group Communication Summary											
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/V	V TX Tone/NAC	Mode					
COMMAND	1	170.6875	156.7	166.5750	156.7	А					
COMMAND	2	171.7500	156.7	164.6750	156.7	А					
TACTICAL	4	168.0500	107.2	168.0500	107.2	A					
AIR TO GROUND	12	169.6500		169.6500		A					
AIR TO GROUND	13	169.8125		169.8125		A					
9. Prepared By (Resource I	Unit Leader)	Approved B	y (Planning Section C	hief)	Date	Time					
JILL JOHNSON		MIKE CHA	RTER		08/07/2022	2000					

1. Incident Name:		Controlled	Unclassif	ied Intor	mation/	/Basic			
COW CANYON					Branc	:h:		Division/Grou	ıp
2. Operational Period:	DAY								
Date/Time From:	<u> </u>	Date/Time To:						L (CO	W CANYON)
	10N	08/08/2022 180		MON					
4.			Operations	Personn	el				
OPERATIONS CHI				DIVISIO	ON/GROU	JP SUPER\		TED HARGRAVE	
AIR OPS BRANCH DIRECTO	KURT RANTA					,			
AIR OPS BRANCH DIRECTO	JR PAUL BALFO	JUK			5/	AFEIT OF	-ICER	JACK CATES; TA	AIJA CORSO
5.		Resou	ırces Assig	ned this	Period				
Strike Team / Task		LWD		l a a alau		Number	Des	- O# DT /Time	Diale Ha DT /Times
Resource Designator O-30.70 SOF2		LWD 08/18	DON WAL	Leader		Persons 1		p Off PT./Time ES/0600	Pick Up PT./Time NACHES/1800
O-2.11 TFLD **									
		08/16	FIDEL VE			1		ES/0600	NACHES/1800
O-65 (V) TFLD		08/27	KENT STA			1		ES/0600	NACHES/1800
O-5 HEQB		08/17	CODY PAG	GEL		1	NACH	ES/0600	NACHES/1800
O-10 HEQB (T)		08/17	MORGAN	REISDOF	RFER	1	NACHES/0600		NACHES/1800
C-5 CRW2 PATRICK ENVIRO	NMENTAL PR17	08/18	CHAMBER	RS		20	NACH	ES/0600	NACHES/1800
C-6 CRW2 P.R. REFORESTATION		08/17	JESUS RA	MIREZ		20	NACH	ES/0600	NACHES/1800
C-14 CRW2 WEST COAST FORM AM5		08/16	ABEL ANG	SURO		20	NACH	ES/0600	NACHES/1800
C-16 CRW2 COLUMBIA RV 52		08/16	BRENT MI	ZELL		21	NACH	ES/0600	NACHES/1800
E-48 ENG6 WILD FIRE SERV	ICES INC	08/20	TIMOTHY LOGOZZ		0	3 NACH		ES/0600	NACHES/1800
E-49 ENG4 BAILEY ENTERPR	RISES	08/20	CLIVE BAI	LEY		3 NACHES/0600		ES/0600	NACHES/1800
E-51 ENG5 ENG5 - BURKHAF	RT AARON	08/21	CHRIS SU	RFACE		3	3 NACHES/0600		NACHES/1800
			<u> </u>			+	-		
E-44 WTS2 KELSIN BEAMAN	<u> </u>	08/20	ROBERT (GIBSON		1	NACH	ES/0600	NACHES/1800
E-45 WTS2 RIDGE TOP IRON		08/20	TIM WHITI			1		ES/0600	NACHES/1800
E 40 W102 KIBOL FOI IKOK	(0112)	00/20	11101 001			<u> </u>	147.011		14/10/12/07/1000
E-1 DZR3 TOP RAIL LLC			-			2	NACH	ES/0600	NACHES/1800
E-1 DZRO TOT RAIL LLO							INACIII	L3/0000	INACTIES/1000
8.		Division	/Group Con	nmunicat	tion Sum	mary			
Function	Channel	RX Frequency	N/W	RX Tone	/NAC	TX Frequer	ncy N/W	/ TX Tone/NA	C Mode
COMMAND	1	170.6875		156.	7	166.57	'50	156.7	A
COMMAND	2	171.7500		156.	7	164.67	'50	156.7	A
TACTICAL	5	168.6000		107.2	2	168.60	000	107.2	А
AIR TO GROUND	12	169.6500				169.65	500		А
AIR TO GROUND	13	169.8125				169.81	25		A
9. Prepared By (Resource Uni	t Leader)	Appro	ved By (Pla	nning Se	ction Chi	ief)		Date	Time
JILL JOHNSON		MIKE	- CHARTER	2			[,	08/07/2022	2000

	Controlled Unclassified Information//Basic											
1. Incident Name:				3.								
COW CANYON				Branch:	Division/Grou	р						
2. Operational Period:	DAY											
Date/Time From:	om: Date/Time To:				L (CO	W CANYON)						
08/08/2022 0600 MOI	08 ا	/08/2022 1800	MON									
4.		Oper	ations Personn	el								
OPERATIONS CHIEF	AARON ROWE		DIVISION	DIVISION/GROUP SUPERVISOR TED HARGRAVES								
	KURT RANTA (T)	;			IAN MCCORD (T)						
AIR OPS BRANCH DIRECTOR	PAUL BALFOUR			SAFETY OFFICER	JACK CATES; TA	IJA CORSO						
5.		Resources	Assigned this	Period								
Strike Team / Tack Fo	rco /			Number								

	-			
Resou	rces Assigned this Perio	d		
rce /		Number		
or LWD	Leader	Persons	Drop Off PT./Time	Pick Up PT./Time
08/17	COSMO TAN	2	NACHES/0600	NACHES/1800
08/20	BRANDON JONES	2	NACHES/0600	NACHES/1800
08/19	CONRAD SCHELER	2	NACHES/0600	NACHES/1800
08/19	BRAD STINE	2	NACHES/0600	NACHES/1800
08/11	ADAM WUNSCH	1	NACHES/0600	NACHES/1800
(08/19 Dr LWD 08/17 08/20 08/19	08/17 COSMO TAN 08/20 BRANDON JONES 08/19 CONRAD SCHELER 08/19 BRAD STINE	LWD Leader Persons 08/17 COSMO TAN 2 08/20 BRANDON JONES 2 08/19 CONRAD SCHELER 2 08/19 BRAD STINE 2	Number Persons Drop Off PT./Time 08/17 COSMO TAN 2 NACHES/0600 08/20 BRANDON JONES 2 NACHES/0600 08/19 CONRAD SCHELER 2 NACHES/0600 08/19 BRAD STINE 2 NACHES/0600

6. Control Operations/Work Assignments:

TASK: Secure and mop up along fire perimeter from W/L Break to the L/C break. 100% mop all spots outside primary control

PURPOSE: Contain fire edge and prevent fire spread to the north or east towards Ellensburg and prevent any smoke impacts to I-82 and any further impacts of natural resources.

END STATE: Fire is contained north of Umptanum Ridge, south of Manastash Ridge and east of Umptanum Falls trailhead.

7. Special Instructions:

<u>Insurance Resources in Division include:</u>

- ENG5 Glacier Peak 04
- ENG5 Engine 707
- ENG5 SGS

ICS 204 WF (1/14)

• WT Elk Ridge

^{**} Resource will be used for IA as needed.

8.		Division/Grou	p Communication Sur	nmary		
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1	170.6875	156.7	166.5750	156.7	A
COMMAND	2	171.7500	156.7	164.6750	156.7	A
TACTICAL	5	168.6000	107.2	168.6000	107.2	A
AIR TO GROUND	12	169.6500		169.6500		A
AIR TO GROUND	13	169.8125		169.8125		A
9. Prepared By (Resource Ui	nit Leader)	Approved B	y (Planning Section C	hief) [Date	Time
JILL JOHNSON	MIKE CHA	RTER	c	08/07/2022	2000	

Division/Group Assignment List (ICS 204 WF) Controlled Unclassified Information//Basic

Branch:

Division/Group

2. Operational Period:	DAY									
Date/Time From: 08/08/2022 0600	MON	Date/Time To 08/08/2022 18		ON				w (cc	W C	ANYON)
4.			Operations F	Personn	el					
OPERATIONS CH	IEF AARON R			DIVISIO	ON/GROU	IP SUPERV	ISOR	BRIAN CAMPBEL	L	
AIR OPS BRANCH DIRECT	OR PAUL BAI	_FOUR			SA	AFETY OFF	ICER	JACK CATES; TA	AIJA (CORSO
5.		Reso	ources Assign	ed this	Period		ı			
Strike Team / Task Resource Desig		LWD		Leader		Number Persons	Dro	p Off PT./Time	F	Pick Up PT./Time
O-30.72 SOF2		08/19	PAUL BRNA	4		1	NACH	ES/0600	NAC	CHES/1800
C-2 CR2I MT BAKER		08/19	ERIC USHE	R		20	NACH	ES/0600	NAC	CHES/1800
C-3 CRW2 MR CONTRACTIN	IG	08/17	MANUEL JI	MENEZ		20	NACH	ES/0600	NAC	CHES/1800
C-7 CRW2 YAKAMA TYPE 2		08/15	TRAVIS INE	SS		20	NACH	ES/0600	NAC	CHES/1800
E-5 WTS2 KING HYDROSEEI	DING	08/18	WARDEN, I	OON		1	NACH	ES/0600	NAC	CHES/1800
E-60 WTS2 R & K WATER SE	RVICE INC	08/20	JEREMY E	GGELST	ON	1	NACH	ES/0600	NAC	CHES/1800
E-61 WTS2 R & K WATER SE	RVICE INC	08/20	RICK KINTI	NER		1	NACH	ES/0600	NAC	CHES/1800
E-9 DZR3 JUSTIN PITTS TRU	CKING	08/17	RON LEVA	NG		2	NACH	ES/0600	NAC	CHES/1800
E-29 AMB1 CLARK COUNTY	FR	08/20	DANIEL FE			2	NACH	ES/0600		CHES/1800
O-54 EMPF		08/20	TRAVIS WII	LSON		1	NACH	ES/0600	NAC	CHES/1800
6. Control Operations/Work A TASK: Secure and mop lines. PURPOSE: Contain fire of natural resources. END STATE: Fire is con 7. Special Instructions:	up along fire	event fire sprea	nd to the sou	th towa	ards We	nas com	•	·		•
8.		Divisio	on/Group Com	municat	ion Sum	mary				
Function	Channel	RX Frequenc	y N/W	RX Tone	/NAC	TX Frequer	ncy N/W	/ TX Tone/NA	С	Mode
COMMAND	1	170.687	5	156.	7	166.57	50	156.7	\dashv	Α
COMMAND	2	171.750	0	156.	7	164.67	50	156.7		А
TACTICAL	6	166.725	0	107.	2	166.72	50	107.2	İ	А
AIR TO GROUND	12	169.650	0			169.65	00			А
AIR TO GROUND	13	169.812	5			169.81	25			Α
9. Prepared By (Resource Uni	it Leader)	Appr	oved By (Plan	ning Se	ction Chi	ef)		Date	1	Time
JILL JOHNSON		МІ	KE CHARTER					08/07/2022	20	000

1. Incident Name:

COW CANYON

			Controlled	Unciassii	ieu iiiioi		Dasic				
1. Incident Name:						3.					
COW CANYON						Branc	h:		Division/Grou	р	
2. Operational Period:	DAY										
Date/Time From:			Date/Time To:						STRUCTURE	/ IA (C	OW CANYON)
08/08/2022 0600	MON	0	8/08/2022 180	0 1	MON						
4.				Operations	Personn	el					
OPERATIONS CI	_	-	_		DIVISIO	ON/GROU	IP SUPER\	/ISOR	RICK WOODALL		
AID ODG DDANGU DIDEG		RANTA (T					SEETV OF		1401/04750 74		200
AIR OPS BRANCH DIREC	TOR PAUL E	BALFOUR	(5/	AFETY OF	FICER	JACK CATES; TA	NIJA CC	JKSU
5.	<u> </u>		Resou	ırces Assig	ned this	Period					
Strike Team / Ta	sk Force /		1				Number	l		l	
Resource Des	ignator		LWD		Leader		Persons	Dro	p Off PT./Time	Pic	k Up PT./Time
O-53 TFLD **			08/15	RICH WAL	LMOW		1	NACH	ES/0600	NACH	ES/1800
C-15 CRW2 WEST COAST R	EFOR HR3 *	ŧ	08/16	HOMER H	ERNDEZ		20	NACH	ES/0600	NACH	ES/1800
DNR STRIKE TEAM											
O-50 TFLD **			08/14	MATHEW	CALDWE	LL	1	NACH	ES/0600	NACH	ES/1800
O-51 TFLD (T) **			08/14	BRIAN WII			1 1	NACH	ES/0600	NACH	ES/1800
E-55 ENG5 DNR E5102 **			08/14	IRIS BANK			4		ES/0600		ES/1800
E-56 ENG5 DNR E5105 **			08/14	LUKE ACC			4		ES/0600		ES/1800
E-57 ENG5 DNR E5201 **			08/14	ISAAC DU	GGER		4	NACH	ES/0600	NACH	ES/1800
E-58 ENG5 DNR E8262 **			08/14	MARTIN F	ERRELL		3	NACH	ES/0600	NACH	ES/1800
E-59 ENG5 DNR E2406 **			08/14	MATHEW	SABIN		3	NACH	ES/0600	NACH	ES/1800
E-17 DZR4 BADGER DIRTW	VORKS **		08/17	KYLE MAL	TIN		2	NACH	ES/0600	NACH	ES/1800
				-							
8.			Division	/Group Con	nmunicat	ion Sumr	mary				
	Channe		RX Frequency	<u> </u>	RX Tone		-	o o v . N I / I /	V TX Tone/NA	$\overline{}$	Mode
Function		ei i		IN/VV			TX Freque				
COMMAND	2		170.6875 171.7500		156.		166.57 164.67		156.7 156.7	+	A A
COMMAND	7		166.7750		107.2		166.77		107.2	_	A
AIR TO GROUND	12		169.6500		107.2	-	169.65		107.2	+	A
AIR TO GROUND	13		169.8125			+	169.81			+	A
9. Prepared By (Resource U				ved By (Pla	nnina Se	ction Chi			 Date		me
	,			E CHARTER	_		- /		08/07/2022	2000	
JILL JOHNSON			IVIIKE	CHARIER				- 10	00/01/2022	1 2000	,

Division/Group Assignment List (ICS 204 WF) Controlled Unclassified Information//Basic

1. Incident Name:						3.				
COW CANYON						Branc	h:		Division/Group)
2. Operational Period:	DAY									
Date/Time From: 08/08/2022 0600	MON		Time To: 2022 1800	М	ON				STRUCTURE /	IA (COW CANYON)
4.			Ope	erations I	Personn	el				
OPERATIONS CH			-		DIVISIO	ON/GROU	P SUPERV	ISOR	RICK WOODALL	
AID ODO DDANOU DIDEOT	KURT RAI	, ,					FETY OF	IOED		IA 00000
AIR OPS BRANCH DIRECT	OR PAUL BAL	FOUR				SF	AFETY OFF	ICER	JACK CATES; TAI	JA CORSO
5.	<u> </u>		Resource	es Assign	ed this	Period				
Strike Team / Tas		\top	LWD		Loodor		Number	D=	on Off DT /Time	Diek Un DT /Time
Resource Design	gnator		LWD		Leader		Persons	Dro	op Off PT./Time	Pick Up PT./Time
							ļ			
							ļ			
6. Control Operations/Work A	_									
TASK: Identify and asse perimeter. PURPOSE: Develop pla END STATE: Structure	n to protect	structures	from Cow	/ Canyo	n fire.			i trie	vicinity of the Co	w Canyon life
7. Special Instructions:										
** Resource will be used	I for IA as ne	eded.								
Special Instructions: Relocation. Division Superin. Fire size up and infor	visor may red	quest add	itional reso	ources t	o respo	ond base	ed on loc	ation	and work the re-	
8.			Division/Gro	-			-			
Function	Channel		equency N/V	N I	RX Tone		TX Frequer			Mode
COMMAND	1	1	70.6875		156.	7	166.57	50	156.7	A
COMMAND	2	1	71.7500		156.	7	164.67	50	156.7	A
TACTICAL	7	1	66.7750		107.	2	166.77		107.2	A
AIR TO GROUND	12	1	69.6500				169.65	00		A
AIR TO GROUND	13	1	69.8125				169.81	25		Α
9. Prepared By (Resource Un	it Leader)		Approved	By (Plan	ning Se	ction Chi	ef)		Date	Time
JILL JOHNSON			MIKE CI	HARTER					08/07/2022	2000

ICS 204 WF (1/14)

INCIDENT NAME	2. OPERATIONAL PERIOD:		
VANTAGE HIGHWAY	Date: 8/8/2022	Helibase Start Time: 0830 End Time: 2030	Sunrise: 0550 Sunset: 2024
			(Times valid for Ellensberg)

3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): General Aviation, See & Avoid

Bucket work, Retardant drops: ensure area is clear of ground personnel before dropping; watch for wires; be aware of potential for turbulence at ridge tops, saddles, canyons, etc
*** BE AWARE OF FATIGUE, TAKE LONGER BREAKS WHEN FLYING IN SMOKEY CONDITIONS.

*** Report all TFR intrusions to Air Operations, Air Support or Helibase as soon as possible.

4. MEDEVAC A/C: Contact CWICC 509-884-3473 N125CL Mt Rainer SH 5. TFR #2/5152 118.6500 (A74)

6. PERSONNEL LWD	Phone	7. FREQUENCIES	АМ	FM	8. FIXED-WING	# Avail / Type/ Make-Model / FAA N# / Base(s)
AOBD: Paul Balfour O-30.43	509-993-8739	AIR/AIR Primary (A-10)	118.6500			DIVS order thru ATGS if up, or
ASGS: Tim Lyda O- 30.44	541-761-2676	AIR/AIR Secondary (A-11)	127.1500		Fixed Wing/Buckets	Communications
HEBM:		AIR/GROUND Primary (A-12)		169.2000	ATGS Aircraft	Will use available ATGS throughout the operational period until TEAM ATGS is
HEMG:		AIR/GROUND (A-13)		167.9500		filled
ATGS:		DNR-AIR/GROUND IA		159.270 T-103.5		LATs Order through Air Attack/AOBD
ATGS:		AIR/Ground				Or CWICC
CWICC:	509-884-3473	UNICOM			NOTES:	
		DECK				
						email costs to timlyda22@gmail.com

9. HELICOPTERS

FAA N#	TY	MAKE/MODEL	BASE	START	AVAIL	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	START	AVAIL	REMARKS

COW CANYON Date: 8/8/2022 Helibase Start Time: 0830 End Time: 2030 Sunrise: 0550 Suns	
	t: 2024
(Times valid for Ellen	erg)

3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): General Aviation, See & Avoid

Bucket work, Retardant drops: ensure area is clear of ground personnel before dropping; watch for wires; be aware of potential for turbulence at ridge tops, saddles, canyons, etc
*** BE AWARE OF FATIGUE, TAKE LONGER BREAKS WHEN FLYING IN SMOKEY CONDITIONS.

*** Report all TFR intrusions to Air Operations, Air Support or Helibase as soon as possible.

4. MEDEVAC A/C: **Contact CWICC** 509-884-3473 N125CL Mt Rainer SH

5. TFR #2/5754 118.7250 (A50)

6. PERSONNEL LWD	Phone	7. FREQUENCIES	AM	FM	8. FIXED-WING	# Avail / Type/ Make-Model / FAA N# / Base(s)
AOBD: Paul Balfour O-30.43	509-993-8739	AIR/AIR Primary (A-9)	118.7250			DIVS order thru ATGS if up, or
ASGS: Tim Lyda O- 30.44	541-761-2676	AIR/AIR Secondary (A-10)	125.1250		Fixed Wing/Buckets	Communications
невм:		AIR/GROUND Primary (A-11)		169.6500	ATGS Aircraft	Will use available ATGS throughout the operational period until TEAM ATGS is
HEMG: Joe Thorpe	509-899-1847	AIR/GROUND (A-12)		169.8125		filled
ATGS:		DNR-AIR/GROUND IA		159.270 T-103.5		LATs Order through Air Attack/AOBD
ATGS:		AIR/Ground				Or CWICC
CWICC:	509-884-3473	UNICOM			NOTES:	
		DECK				
						email costs to timlyda22@gmail.com

9. HELICOPTERS

FAA N#	TY	MAKE/MODEL	BASE	START	AVAIL	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	START	AVAIL	REMARKS
H-117DR	2	Bell 205	YAK	0830	0900	Type 2 w/Bucket							

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

I. Incident	Name:		2. I	Date/Time Prepared:		3.	. Operational	Period	: 0600-1800			
VANTAG	E HIGH	HWAY / COW CA	111011	ne: 08/07/2022 ne: 1125			Date/Time 08/08/2022		MON		ate/Time To: 08/2022 1800 MON	
4. Basic Ra	idio Cha	nnel Use:										
Zone Group	Ch #	Function	Channel Name/Trunked Rad System Talkgroup		RX Freq	RX Tone/N		-req	TX Tone/NAC	Mode (A,D, or M)	Remarks	
	1	COMMAND	CMD 1	COW CANYON	170.6875	156.7	7 166.	5750	156.7	А	LOCATION CLEMAN MTN	
	2	COMMAND	CMD 2	COW CANYON	171.7500	156.7	7 164.	6750	156.7	А	LOCATION UMPTANUM RIDGE	
	3	COMMAND	CMD 3	VANTAGE HWY	168.4750	156.7	7 165.	4000	156.7	А	LOCATION DP 130	
	4	TACTICAL	TAC 4	DIV C	168.0500	107.2	2 168.	0500	107.2	А		
	5	TACTICAL	TAC 5	DIV L	168.6000	107.2	2 168.	6000	107.2	А		
	6	TACTICAL	TAC 6	DIV W AND DIV E/W	166.7250	107.2	2 166.	7250	107.2	А		
	7	TACTICAL	TAC 7	DIV A/Z; STRUCTURE	166.7750	107.2	2 166.	7750	107.2	А		
	8	COMMAND	WHISKEY	ALL DIVS VANTAGE	151.4000	103.5	5 168.	2500	107.2	А	ALL DIVS ON VANTAGE-USE FOR BACKUP IF CMD3 INOP	
	9	COMMAND	DNR CLEM	IA ONLY	159.3450	114.8	8 151.	4675	114.8	А		
	10	TACTICAL	DNR COM	IA ONLY	151.4150	103.	5 151.	4150	103.5	А		
	11	AIR TO GROUND	DNR A/G 1	IA ONLY	159.2700	103.	5 159.	2700	103.5	А		
	12	AIR TO GROUND	A/G PRI 1	COW CANYON	169.6500		169.	6500		А		
	13	AIR TO GROUND	A/G SEC 1	COW CANYON	169.8125		169.	8125		А		
	14	AIR TO GROUND	A/G PRI 2	VANTAGE HWY	169.2000		169.	2000		А		
	15	AIR TO GROUND	A/G SEC 2	VANTAGE HWY	167.9500		167.	9500		А		
	16	AIR GUARD	AIRGUARD	ALL DIVISIONS	168.6250		168.	6250	110.9	А		
5. Special I	nstructio	ons:	1	I			<u> </u>		1		1	
6. Prepared By (Communications Unit Leader)				Name: MISSY PARKI	Name: MISSY PARKER				Signature:			
ICS 205				IAP Page	IAP Page				Date/Time: 08/07/2022 1125			

DMOB LIST FOR MONDAY 8-8-22

COW CANYON US-WA-SES-000277

<u>CREWS</u>			
C-4	0700	(CRW2)	PATRICK ENVIRONMENTAL PR16
		-	
EQUIPME	<u>NT</u>		
E-6	0615	(WTS2)	WTS2 - KING HYDROSEEDING, INC
E-10	0630	(DZR2)	DZR2 - J & S LOGGING CO INC -
E-8	0700	(DZR3)	DZR3 ANDREW DUKE
E-16	0715	(AMB2)	AMB2 - BALLARD
E-18	0730	(DZR2)	DZR2 TIMBERED RANGELAND
E-5	1300	(WTS2)	WTS2 - KING HYDROSEEDING, INC
OVERHE	<u>AD</u>		
O-25	0630	(EMTF)	HOOVER, DALE (VANTAGE BASE CAMP)
O-2.19	0800	(SCKN)	VOLK, CHRIS D
O-4	1300	(HEQB)	BEESLEY, KODY ANDREW
O-7	1315	(TFLD)	PHILLIPS, GENE DONALD
0-11	1330	(HEQB)	VAN PELT, DYLAN JAMES
O-18	1345	(TFLD)	FISHER, MATTHEW RUSSELL
		• •	

Cow Canyon Fire DMOB Procedures

- 1. Have all CTRs completed before arrival
- 2. Arrive at designated time to process paperwork and turn in any applicable equipment and documentation
- 3. Contact DMOB at 208-570-9358 to finalize process

Cow Canyon DEMOB is located at Naches Middle School 32 Shafer Avenue in Naches.



Vantage Highway Finance Map





Cow Canyon Fire Finance Map



Public Information

PHOTOS: Your fireline photos help us build understanding with the public. We are looking for any pictures of the fire line, mop-up work, and fire resources working on the fire line in their PPE.

Please send your photos to the right email address so we will know what fire you are working!

You can send photos to:

Cow Canyon Fire: 2022.cowcanyon@firenet.gov

Vantage Hwy Fire: 2022.vantagehighway@firenet.gov

Text for pictures (please state which fire): 541-200-4485

As always, make sure you're wearing all your PPE and conveying a professional, caring, and respectful attitude toward the homes and land in this community. Thanks for helping us out!

QUESTIONS FROM THE PUBLIC: If community members have questions that you do not feel equipped to answer professionally, please give them our fire information line: 509-557-0063.

LOST AND FOUND: We have a lost and found in the Information shop in the ICP. If you have lost something, please stop by and see if it has been turned in. If you find something left around ICP or camp, you can turn it in to us.

TRAINING MESSAGE

Educating trainees on their responsibilities.

Topic: Position Taskbook

- ➤ Did you know a Position Taskbook (PTB) is valid for three years from the date of initiation? Look at that date on the cover page of your PTB.
- Did you also know that the Initiation Date can be reset? Upon documentation of the first evaluator (the first person to put ink in your PTB), the 3-year time limit is reset from that new date. This is a one-time occurrence.
- ➤ You can have several PTBs open, however only three can be open in any one functional area (Operations, Finance, Logistics, etc.) at a time.
- ➤ Be aware, if your PTB expires, a new one will need to be initiated.

"Train with different trainers and build your own style."

If you have any questions or comments, please text/call: 541-727-1022. Email: henry_falcon@firenet.gov

<u>Trainees:</u> please register with the Training Specialist using the QR code below. If you are unable to use the QR Code, you can also register by calling or texting to the number listed above.

I will be working remotely on this assignment



OR https://forms.office.com/g/X3S0XWuq4W

Hank Falcon / NW team 12



Human Resource Message



Contact: HRSP Susie Manezes, 208-739-0255

Vantage Highway and Cow Canyon Fires - August 8, 2022

Communication: Because of the complexity of our fire assignments, what and how we communicate is critical to the success of our day-to-day operations. We talk to a lot of people every day so to avoid confusion and misunderstandings and sometimes hurt feelings, here are some communication tips that may be helpful:

Make sure communication is clear, concise, direct, and timely.

- Listen Practice active listening. Pay close attention to what others are saying and clarify ambiguities by rephrasing their questions for greater understanding.
- Conciseness Get straight to the point. Do not use filler words.
- Body language Use eye contact, utilize appropriate hand gestures, and watch the tone of your voice.
- Confidence Maintain a relaxed body stance, maintain eye contact, and avoid trying to sound aggressive or demeaning.
- Open-mindedness Respect the opinions of others.
- Feedback Completes the communication and assess if the message is understood as intended and allows any confusion to be corrected.

We are here to support you so let us know if our communication is not clear, concise, direct, or timely.



"Good communication is the bridge between confusion and clarity."

-Nat Turner

Work safely and have a productive day!



TO: ALL PERSONNEL

FROM: DEPARTMENT OF NATURAL RESOURCES DEPARTMENT OF CORRECTIONS

SUBJECT: WORKING AROUND OFFENDERS/DNR KITCHENS

- NO PERSON SHALL BE ALLOWED TO CARRY FIREARMS IN THE AREA WHERE
 OFFENDERS ARE WORKING. (It is acceptable to secure weapons in vehicles while entering
 into the working vicinity of offenders)
- DO NOT GIVE OR TAKE ANYTHING FROM AN OFFENDER. (Offenders are identified by red ball caps or red hard hats.)
- DO NOT TAKE PHOTOS OR INTERVIEW OFFENDERS WITHOUT APPROVAL FROM DNR INMATE LIAISON. (Signed consent forms required.)
- **DO NOT DO ANY FAVORS FOR OFFENDERS.** (Examples passing on a message, giving tobacco, asking for change, mailing a letter, using a phone, etc.)
- PROMPTLY REPORT ANY SUSPICIOUS ACT TO THE SUPERVISOR, DOC STAFF OR INMATE LIAISON. (The most innocent act/favor can have consequences that could negatively affect an offender for years.)
- USE OF TABACCO PRODUCTS IN KITCHEN AREA IS NOT ALLOWED. (Offenders are not allowed to use any tobacco products.)
- HARRASSMENT OF ANY KIND WILL NOT BE TOLDERATED. (All harassment allegations involving offenders will be reported to Human Resources and the involved agencies representatives.)
- OFFENDERS ON DNR CREWS ARE RATED AS MINIMUM CUSTODY.
- TREAT OFFENDERS WITH RESPECT, BUT PRACTICE THE CORRECTIONAL DISTANCE. DON'T GET PERSONAL. (Offenders generally feel good with being part of the fire suppression effort, treat them with the same respect and dignity as other fire fighters but DON'T GET PERSONAL.
- OFFENDERS ARE TRAINED IN WORK ETHICS AND JOB SKILLS. (Offenders are trained and experienced in their job assignments and work ethic. They are held accountable for job performance and behavior.)

ACKNOWLEDGE CREWS FOR A JOB WELL DONE, OFFENDERS DO GOOD WORK AND APPRECIATE THE RECOGNITION. Offenders need good professional role models as part of their rehabilitation process, consider their presence and set good examples by the context of your conversations and choice of language used.

Logistics Message

Ground Support 0500-2200

Western Village at Rodeo Grounds (Ellensburg)

Supply 0500-2200

Western Village at Rodeo Grounds (Ellensburg)

Medical 0600-2200

Western Village at Rodeo Grounds (Ellensburg)

Communications 24/7

Adjacent to Armory at Kittitas Co Fairgrounds - in DNR Command Trailer

Showers 0400-1000 and 1600-2130

Near Gazebo Kittitas Co Fairgrounds (Ellensburg)

Kitchen

Breakfast 0500-0900 Dinner 1800-2100 Kittitas Secondary School



Cow Canyon Fire

MEALS

Breakfast: 0530 - 930

Lunch: Handed out at breakfast

Dinner: 1730 - 2130

SHOWERS

Shower Trailer (behind school)

0500 - 1200 and 1400 - 2200









Finance Message

2022.vantagehighway.finance@firenet.gov (509) 423-6011 FSC Christina

2022.cowcanyon.finanace@firenet.gov (509) 778-8080 FSC Slita Bradley

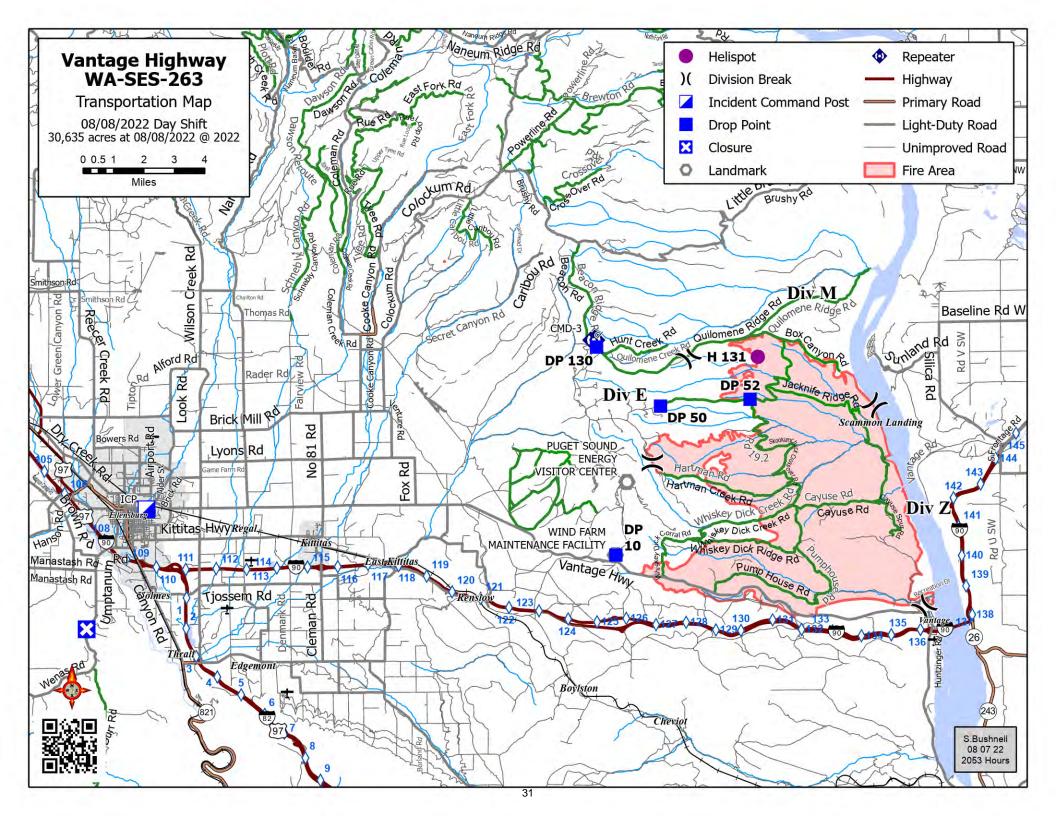
Finance for the Vantage Highway fire is located at the entrance of the Kittitas County Fairgrounds on left. Finance for Cow Canyon is located the Naches Middle School.

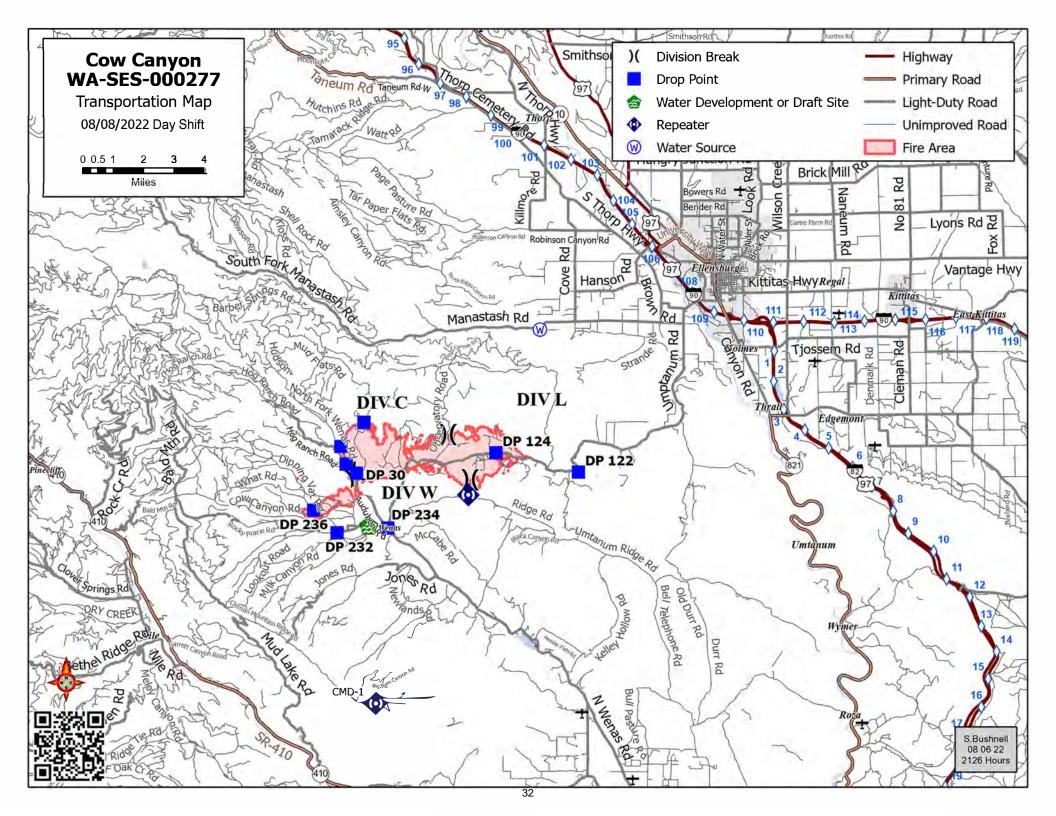
Please make sure to turn in CTR/Shift tickets daily, so we can control the cost of the fire and help you get paid.

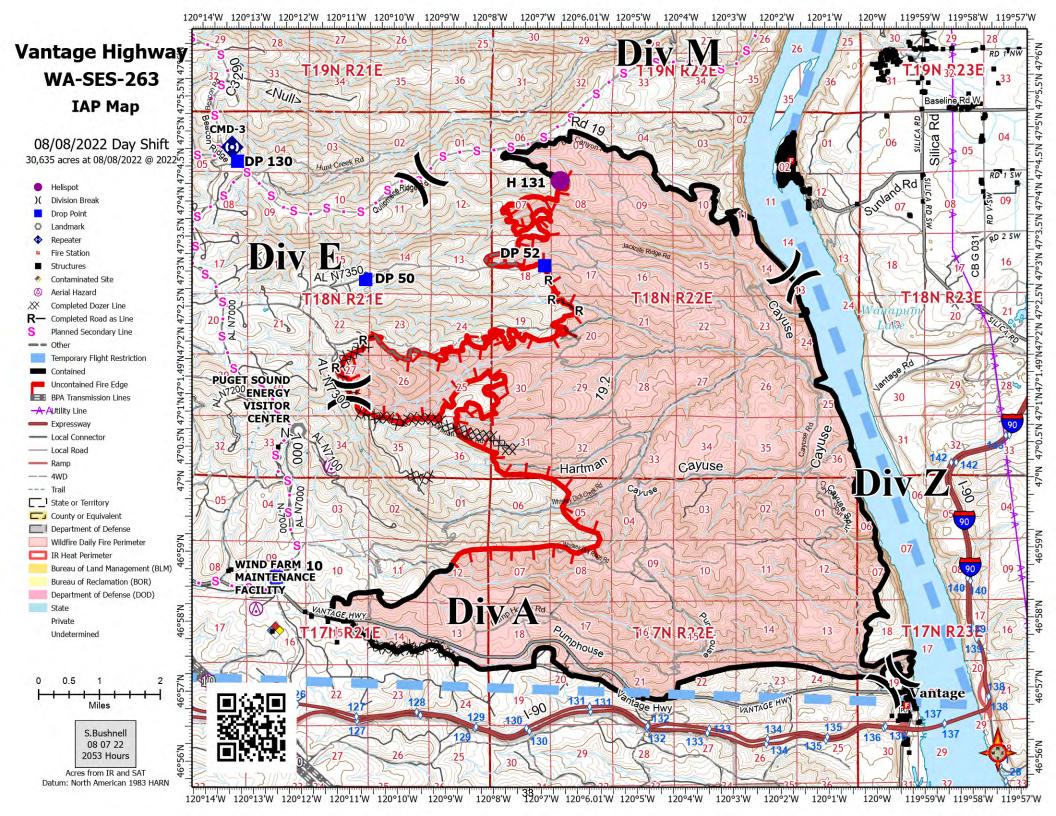
Please make sure to put the correct Resource Order # and fire # on your CTR/Shift ticket. Please help us by stating if you are Vantage resource or Cow Canyon.

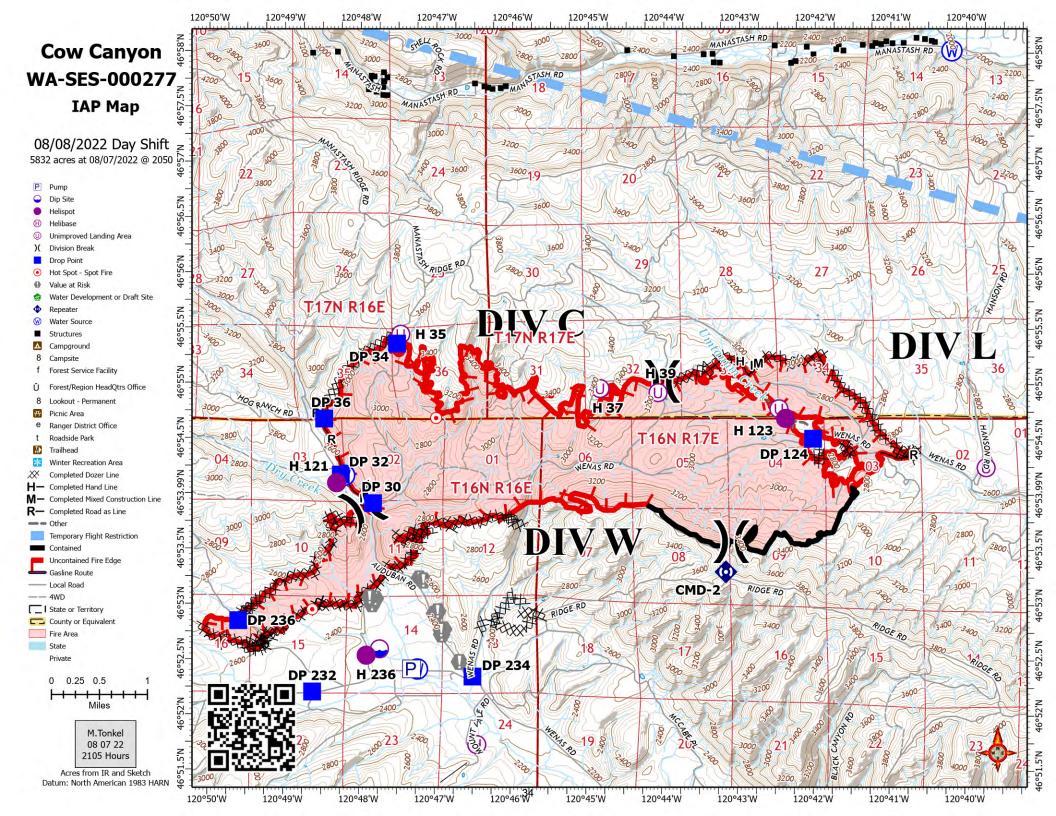
**Equipment Resources with transport retained must have transport operators name in the remarks of the shift ticket.

If you have questions, please contact finance. Equipment – 208-890-4869 Todd TIME Unit – 509-823-6642 Steve









Incident Maps

For incident maps scan the QR code on the cover of the IAP to open the 'Current Maps' folder. There are also general area transportation maps named large_color_wenas.pdf and large_color_whiskeydick_quilomene.pdf.

How to Download and Open Maps in Avenza

Method 1: From a browser

- 1. Tap on the desired map link and wait for the preview.
 - * If it fails to load, use method 2 instead
- 2. Tap the 'send to' icon (square with up arrow)
- 3. Choose the Avenza app

Method 2: From Avenza direct

- 1. Tap and hold on the desired map link, then choose 'copy' to copy the direct URL to the map
- 2. Launch the Avenza app
- 3. When not in any map... Tap the + (plus) icon at the top of the screen
- 4. Choose the load from URL option (last choice)
- 5. Paste the direct URL to the map
- 6. Tap 'Done'; the map will begin downloading

How to Send Map Updates to the Situation Unit

Send map updates by email to 2022.cowcanyon.situation@firenet.gov or text/call the Situation Unit at 360-584-3373. Make sure to include your name, position and explanation of the update you send.

- 1. Open the map in Avenza.
- 2. Click the pin with three lines near the lower-right corner.
- 3. *iPhone:* In the lower right, click the square with up arrow. From the pop-up menu, choose Export to Others.

Android: In the lower right, click the circle with three lines. Click the pop-up circle with up arrow.

- 4. Set these options:
 - a. Filename leave alone
 - b. Export Format choose SHP, GPX or KML
 - c. Data all features
 - d. Image size no image
- 5. Click the Export button in the upper-right corner.
- 6. When the export is ready, choose your Mail application.
- 7. Send the email to the addresses listed above.
- 8. Your email needs to include an explanation of the data you are sending.

If you don't have Avenza please draw corrections and new features on your paper map, take a picture of it and email or text it to the email or phone number listed above.

Thanks for your help!

UNIT LO	OG	1. Incident Name	2. Date Prepared	3. Time Prepared				
4. Unit Name/Designat	ors	5. Unit Leader (Name and Position)						
		7. Personnel Roster Assigned						
Name		ICS Position	6. Operational Period Home Base					
		8. Activity Log						
Time		Major Event	:S					
		-						
				_				
O Dunnana d L (A)	and David A							
9. Prepared by (Name a	and Position)							

COVID-19 Mitigations for Cow Canyon/Vantage Road Fires

- Masks are not required indoors unless working in a county with a HIGH COVID-19 community level. Currently, Kittitas County community level is LOW and Yakima County is MEDIUM (masking indoors is optional).
- Conduct daily verbal screening checks within crews, report any COVID-like symptoms to your direct supervisor. Supervisors should report any positive symptoms to the Medical Unit for next steps.
- Observe social distancing standards while waiting in line for food and limit contact with others outside of your crew in the food service line. If possible, send crew representatives to pick up meals.
- Practice good personal hygiene, wash hands frequently and disinfect hightraffic areas on a regular basis.
- Limit close contact between firefighters and the public as much as possible to prevent exposure and spread.







EMERGENCY PLAN INCIDENT WITHIN AN INCIDENT

ON SCENE INCIDENT COMMANDER

In the event of an accident or medical incident of any size, your primary responsibility is to ENSURE that the victim(s) receive prompt and effective Triage, Treatment, Extrication and Transport.

- ENSURE THE MEDICAL INCIDENT REPORT IN THE INCIDENT ACTION PLAN IS BEING USED AND FOLLOWED- *IF DETERMINED TO BE A GREEN, DO NOT DECLARE EMERGENCY TRAFFIC AND ONLY COMPLETE LINE 1-4 ON MIR*.
- Conduct size-up of the incident nature of accident, number type of resources involved, latitude and longitude location (DD°MMM.MM format): notify incident communications center and supervisor, request assistance as needed.
- Order and coordinate medical and support response to the accident.
- Evaluate special needs (law enforcement, haz mat, etc.).
- Clear the command frequency if medical emergency, coordinate with incident communications and air attack for air medical transportation needs.
- Preserve and photograph the scene for accident investigation.
- Remain aware of surroundings and the status of the main incident (delegate personnel to monitor the main fire) to ensure safety of medical treatment personnel.
- Until relieved, supervise and manage all personnel involved at the incident scene.

MEDICAL PLAN (ICS 206 WF)

Incident/Project Na	me					1. Opera	ational Period				
V	anta	ge H	lighwa	ay			_	ust 8 1600-	th , 20 1800	22	
2. Ambulance Serv	rices				•						
Name				Complete Add	dress				nced Life Support (ALS) Yes No		
Kittitas Valley Fire		Mt View. Ave. urg, WA 98926			911 (509) 933-7231		(
3. Air Ambulance	Services										
Nam	ne			Phone				Loca	tion		
Life Flight	Networ	·k	3	300-232-091	1			Moses	Lake		
Airlift No	rthwest		800-	-426-2430 or	911			Wenat	tchee		
4. Hospitals		I			1			T	-		
Name Complete Address		De I	Coordinate Segrees Decimo DD° MM.MMM D° MM.MMM'	al Minutes ' N - Lat	From \	l Time /anatge Gnd	Phone Heli Yes		F114		of Care
Kittitas Valley Hea 603 S Chestnut Ellensburg, WA 989		Lat: Long:		59' 13.92" N 32' 11.976" W	- 13 min	30 min	509-962-9841	х		Le	evel 4 Trauma
Samaritan Healtho 801 E Wheeler ro Moses Lake, WA 98	are	Lat: Long:		7' 43.212" N 15' 54.972" W	22 Min	45 min	509-826-1760	x		Le	evel 3 Trauma
Harborview Medic 325 9 th Ave Seattle, WA 9810	al	Lat: Long:		36.1897' N	60 min	2 Hr	541-222-6929	x			evel 1 Trauma Burn Center
5. Division Branch Group	Capak					Personr	nel				
Div A/Z		AMR Ambulance E-32									
Div E/M	Drew Perry O-25 Michael Schmidtgall O-2						gall O-2	7			
Night	ght					9	11				
6. Prepared By (Medic	al Unit Le	ader)		7. Date/Time	•	8. R	eviewed By (Safety Officer)				9. Date/Time
Lee Venning				08/07/2022 Jack C 1800			Jack Cates Jack Cates				08/07/2022 1800

MEDICAL PLAN (ICS 206 WF)

Incident/Project Na	me					1. Opera	tional Period				
Cow Canyon Fire						August 8 th , 2022 0600-1800					
2. Ambulance Serv	vices										
Name	ı			Complete Add	Iress		Phone			nced Life : Yes	Support (ALS) No
Kittitas Vallev Fire X. Rescue				View. Ave. g, WA 98926	3		911		x		
Vakima AMD 229 Sc				n 2nd Avenue Vashington 9	(509) 933-7 911 (509) 453-6		х				
3. Air Ambulance	Services									<u>'</u>	
Nan	пе			Phone				Loca	tion		
Life Flight	Networ	k	8	00-232-0911	1			Moses	Lake		
Airlift No	rthwest		800-	426-2430 or	911			Wenat	tchee		
4. Hospitals											
Name Degr		Coordinate St grees Decima Do MM.MMM' O MM.MMM'	al Minutes From \ ' N - Lat		el Time Vanatge Gnd	Phone		ipad No		Level of Care Facility	
2811 Tieton Dr		Lat: Long:		5' 37.68" N 2' 51.972" W	- 13 min	30 min	509-575-8100	х		Lev	rel 3Trauma
Kittitas Valley Hea		Lat:	46° 5	9' 13.92" N	22	45 min	509-962-9841 541-222-6929	х		_	
603 S Chestnut Ellensburg, WA 989		Long:	120° 3	2' 11.976" W	Min				Level 4 Trauma		
Harborview Medic 325 9 th Ave		Lat:		36.1897' N	60			Х			el 1 Trauma urn Center
Seattle, WA 9810		Long:	122	19.4759' W	min	Hr 341-222-0323 A			Dum conto		
Branch Group	Capab	oility				Personnel					
Div C	Beyond The Edge (BTE) REM O-31										
Div L	Protection 1 Ambulance E-30 Medic Wunsch O-44										
Div W	Clark-Cowlitz Ambu						mbulance E-29 Medic Wilson O-54				
Night						9	11				
6. Prepared By (Medic	al Unit Le	ader)		7. Date/Time		8. R	Reviewed By (Safety Officer)				9. Date/Time
Lee Venning				08/07/20 1800	22	Jack C	Cates Jac	ck C	ates		08/07/2022 1800

MEDICAL PLAN (ICS 206 WF)

Controlled Unclassified Information//Basic

Medical Incident Report

FOR A NON-EMERGENCY INCIDENT, WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.

FOR A MEDICAL EMERGENCY: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

"MEDICAL EMERGENCY" TO INITIATE F	RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.
Use the following items to communi	cate situation to communications/dispatch.

	333 10110	9				aaat.a.arapatan.				
<i>Ex: "Commur</i> 2. INCIDENT ST	nications, Div. Alpha. S ATUS: Provide incid	Stand-by fo ent summa	ary (including number of page	atients) and comman	d structure.					
			tient, unconscious, struck l providing medical care."	oy a railing tree. Req	iuesting air ambulance to	o Forest Road 1 at (Lat./Long.) This will be the Tro	out			
	rgency / Transport iority	□ RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE Ex: Unconscious, difficulty breathing, bleeding severely, 2° − 3° burns more than 4 palm sizes, heat stroke, disoriented. □ YELLOW / PRIORITY 2 Serious Injury or illness. Evacuation may be DELAYED if necessary. Ex: Significant trauma, unable to walk, 2° − 3° burns not more than 1-3 palm sizes. □ GREEN / PRIORITY 3 Minor Injury or illness. Non-Emergency transport Ex: Sprains, strains, minor heat-related illness.								
Nature of Ir	jury or Illness									
	& sm of Injury					Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tre	e)			
Transpo	rt Request					Air Ambulance / Short Haul/Hoist Ground Ambulance / Other				
Patient	Location					Descriptive Location & Lat. / Long. (WGS	84)			
Incide	nt Name					Geographic Name + "Medical" (Ex: Trout Meadow Medical)				
On-Scene Inci	dent Commander					Name of on-scene IC of Incident within a Incident (Ex: TFLD Jones)	an			
Patie	nt Care					Name of Care Provider (Ex: EMT Smith)				
3. INITIAL PATI	ENT ASSESSMEN ⁻	⊺: Complet	e this section for each patier	nt as applicable (start v	vith the most severe patier	nt)				
Patient Assessm	ent: See IRPG pag	e 106								
Treatment:										
4. TRANSPORT	PI AN:									
		escriptive	Location (drop point, i	intersection, etc.) o	or Lat. / Long.) Patier	nt's ETA to Evacuation Location:				
Helispot / Extract	ion Site Size and H	azards:								
E ADDITIONAL	RESOURCES / EQI	HDMENIT	T NEEDS:							
				uma Rag IV/Fluid(s)	Splints Rope rescue W	/heeled litter, HAZMAT, Extrication				
Example: Talamet	io Livit, Grews, Illino	SinZadori D	ovides, ALD, Oxygen, Tra	ama bag, 17/1 lala(5),	opinia, rope researe, vi	neoled med, in Empli, Extincation				
6. COMMUNICA	TIONS: Identify St	ate Air/G	Ground EMS Frequenc	ies and Hospital	Contacts as applica	ble				
Function	Channel Name/Nur		Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *				
COMMAND										
AIR-TO-GRND										
TACTICAL										
7. CONTINGENC ahead.	Y: Considerations:	If primary	options fail, what action	s can be implement	ed in conjunction with	primary evacuation method? Be thinking				
8. ADDITIONAL	INFORMATION: <i>Up</i>	dates/Cha	nges, etc.							