

# Incident Action Plan

# Tunnel Five

**Operational Period**  
**July 11-13, 2023**  
**Day Shift**



**IAP**  
**MAPS**

**WA-SES-000336**  
**FED – PN QA7V (1522)**  
**FMAG – 221-LPL**



## INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:	2. Operational Period: DAY	
TUNNEL FIVE	Date/Time From: 07/11/2023 0600 TUE	Date/Time To: 07/13/2023 1800 THU
3. Objective(s):		
<ul style="list-style-type: none"> <li>Identify, evaluate and reduce risks to firefighters and the public through the use of Deliberate Risk Assessment process.</li> <li>Minimize acres burned and impacts to communities and infrastructure by completing a strategic risk assessment to guide operations in the development of strategies and tactics to be implemented by fire personnel.</li> <li>Protect historical, tribal, cultural, aquatic and wildlife resources, and sensitive plant sites.</li> <li>Provide initial attack response and assistance for private and public lands within the delegated area.</li> <li>Maintain and enhance relationships with cooperators, stake holders, landowners, and communities by providing accurate and timely information.</li> <li>Manage cost commensurate with values at risk and maintain fiscal accountability.</li> <li>Treat each other with dignity and respect and act in a professional manner while on the fire and in the community.</li> </ul>		
4. Operational Period Command Emphasis:		
Implement strategies and tactics to achieve incident objectives with the least amount of risk practical, with the highest probability of success.		
General Situational Awareness:		
Fighting fire in light flashy fuels under hot, dry, and windy conditions poses great potential for rapid fire growth. Anticipate changes in fire behavior before it happens and ensure Lookouts, Communications, Escape Routes, and Safety Zones are adequate. Maintain accountability of all assigned resources while engaged on the fire line.		
5. Site Safety Plan Required?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Approved Site Safety Plan(s) Located		
6. Incident Action Plan <span style="float: right;">(the items checked below are included in this Incident Action Plan):</span>		
<input checked="" type="checkbox"/> ICS 202 <input type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 <input checked="" type="checkbox"/> ICS 205 <input type="checkbox"/> ICS 205A <input checked="" type="checkbox"/> ICS 206	<input type="checkbox"/> ICS 207 <input checked="" type="checkbox"/> ICS 208 <input type="checkbox"/> ICS 220 <input checked="" type="checkbox"/> Map/Chart <input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	Other Attachments: <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
7. Prepared by:    HOWARD JOHNSON	Position/Title:    PSC2	Signature: <i>Howard Johnson</i>
8. Approved by Incident Commander:	Name:    AUSTIN SUMMERS (ICT4)	Signature: <i>Austin Summers</i>
ICS 202	IAP Page	Date/Time:    07/10/2023 1200



# Tunnel Five Weather Forecast



**FORECAST NO:** 7  
**PREDICTION FOR:** Day shift  
**SHIFT DATES:** July 11-13, 2023  
**FORECAST ISSUED:** 1200 PDT 7/10/23

**NAME OF FIRE:** Tunnel Five  
**UNIT:** WA-DNR  
**SIGNED:** Mary C. Wister  
**Incident Meteorologist-** Mary C. Wister

***Be sure to contact Dispatch to request updated spot forecasts from the National Weather Service.***

**WEATHER DISCUSSION:** A warming and drying trend is in store through the remainder of the week and over the weekend. It will be breezy Tuesday and Wednesday but winds will decrease Thursday through Saturday. The atmosphere will be mostly stable for the next several days.

**WEATHER FORECAST: Tuesday**

**WEATHER:** Mostly sunny. A few early morning stratus.

**TEMPERATURES:** 77-81. **HUMIDITY:** 35-40%.

**20 FT WINDS:** West to Southwest 10-15 mph gusting to 25 mph.

**HAINES INDEX:** 3 (very low) **STABILITY/INVERSION:** Stable with strong mid-level inversion.

**WEATHER FORECAST: Tuesday night**

**WEATHER:** Becoming partly cloudy with low stratus developing.

**TEMPERATURES:** 55-60. **HUMIDITY:** 73-78%

**20 FT WINDS:** West to southwest winds decreasing to 4-8 mph gusting to 15 mph.

**HAINES INDEX:** 3 (very low) **STABILITY/INVERSION:** Strong inversion.

**WEATHER FORECAST: Wednesday**

**WEATHER:** Early morning stratus then mostly sunny.

**TEMPERATURES:** 77-82. **HUMIDITY:** 33-38%.

**20 FT WINDS:** West to southwest 12-17 mph gusting to 30 mph.

**HAINES INDEX:** 3 (very low) **STABILITY/INVERSION:** Stable. Low level inversion lifting around 1100.

**WEATHER FORECAST: Wednesday night**

**WEATHER:** Partly cloudy.

**TEMPERATURES:** 55-60. **HUMIDITY:** 70-75%

**20 FT WINDS:** West to southwest winds around 10 mph..

**HAINES INDEX:** 3 (very low) **STABILITY/INVERSION:** Strong inversion

**WEATHER FORECAST: Thursday**

**WEATHER:** Mostly sunny.

**TEMPERATURES:** 80-85. **HUMIDITY:** 30-35%.

**20 FT WINDS:** West to southwest 10-15 mph gusting to 25 mph.

**HAINES INDEX:** 3 (very low) **STABILITY/INVERSION:** Stable. Low level inversion lifting around 1000.

# Tunnel Five Incident General Weather Outlook

For Planning Purposes Only, see the IAP for the Official Forecast

Forecast made 10 July/1200 - Incident Meteorologist (IMET) Mary Wister

Day	Tue	Wed	Thu	Fri	Sat	Sun
	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul	16-Jul
Clouds @ 1500 (%)	10	25	10	10	20	10
Avg. Max Temp (F)	80	81	82	90	92	89
Precip Chance (%)	0	0	0	0	0	0
LAL	1	1	1	1	1	1
Ridge Wind (mph)	13	15	13	10	10	15
Wind Gust	23	27	24	20	18	25
Wind Direction*	WSW	WSW	WSW	WSW	WSW	WSW
Min Humidity (%)	35	35	32	27	24	28
Haines Index	3	3	3	4	4	4

KEY:	Moderate Burning Conditions	Take Caution - Critical Burning Conditions		Extreme Burning Conditions
Clouds	<25F	25	to 35	<25%
Avg Max Temp	<80F	80	to 89	>89F
Precip Chance	>49%	15	to 49	<15%
LAL	< 2	2		> 2
Wind Gust	<21F	21	to 30	>30F
Ridge Wind	<15mph	15	to 19	>19mph
*Wind Direction	Criticality of wind direction highly dependent on burn operations and/or structures threatened			
Min Humidity	>24%	15	to 24	<15%
Haines Index	< 4	5		6

Five or more EXTREME blocks in a day equals the potential for a Critical Weather Day

This forecast matrix was developed for the Tunnel Five Wildfire and uses criteria specific for this incident. Every incident will respond to conditions differently and adjustments to the formulas and or categories used may be needed.



## SAFETY MESSAGE

11-13 July 2023

**INCIDENT: TUNNEL FIVE**

**OPERATIONAL PERIOD: 0600-1800**

### TOPICS:

#### DRIVING/RAILROAD



Maintain a lookout whenever working along HWY14 and/or the railroad right-of-way. Avoid left hand turns across traffic if possible. Distance and varied road surfaces to and from the incident require focus and defensive driving skills by all vehicle operators. Passengers should assist during travel and while backing to help prevent accidents.

#### HYDRATION/NUTRITION

- \* Drink fluids throughout operational period (water and Gatorade) not energy drinks
- \* Rotate crews out of smoky areas
- \* Follow work / rest guidelines
- \* Set a reasonable work pace and allow adequate rest breaks
- \* Use buddy system to monitor personnel of heat related and fatigue issues
- \* For Heat Related Injuries refer to IRPG pg.109
- \* Ensure adequate caloric intake.

**SAFETY OFFICERS: Troy Corn, Jack Cates, Mitch Wilson**

## EXTENDED FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 8

TYPE OF FIRE: WILDFIRE

FIRE NAME: Tunnel Five

OPERATIONAL PERIOD: July 11, 12, 13, 2023

DATE ISSUED: July 10, 2023

TIME ISSUED: 1200 HOURS

UNIT: SE Region

SIGNED: DON STRAND, FBAN

### INPUTS

WEATHER SUMMARY: SEE ATTACHED 3 DAY FIRE WEATHER FORECAST AND ATTACHED WEATHER MATRIX

7-11-23: Partly cloudy. Max temps near 80. Minimum RH near 35%. Winds, WSW gusting to 23 MPH.

7-12-23: Partly cloudy. Max temps near 81. Minimum RH near 35%. Winds, WSW gusting to 27 MPH.

7-13-23: Partly cloudy. Max temps near 82. Minimum RH near 32%. Winds, WSW gusting to 24 MPH.

FUELS: Fuels in the area are short grass, timber litter with areas down woody debris, timber litter with light brush and Oak with leaf litter. Surface litter will be able to carry fire. Live foliage moisture has some greenness but the conifer foliage is dry enough to support isolated torching where ladder fuels are present. On steep slopes short crown runs possible. The cheat grass is cured and will easily carry fire. Other grasses have varied levels of greenness. This greenness may moderate fire intensity and rates of spread.

### OUTPUTS

#### FIRE BEHAVIOR

GENERAL: After yesterday's cold front passage, the trend is for consistent fire behavior within the fire perimeter, Expect isolated smoldering in larger surface fuels. There's a chance of creeping fire behavior in areas of dirty burns and small islands of unburned fuels. Fire weakened trees and snags periodically will fall, potentially landing on areas of surface heat that could cause flare ups. If this occurs within 500 feet or so of fire perimeter, spotting across fire lines is possible. Burning roll outs are still possible and could carry fire down slope into available fuels.

Probably of ignition will range from 40% (shaded) to 60% (unshaded) over the next three days.

In the event a spot fire gets established, expect moderate rates of spread and in areas with wind/slope alignment, and/or cured cheat grass, high rates of spread.

#### SPECIFIC:

All Divisions: Mop up and patrol. A slight potential for spotting still exists.

Initial Attack: In the event resources respond to a new start. Keep in mind stronger westerly winds. In light fuels, expect rapid rates of spread in grass and brush. In conifer timber/oak litter, potential for surface fire transitioning to single and group torching. Spotting likely from any new start.

AIR OPERATIONS: Expect areas of turbulence in the fire area with strong winds

### SAFETY

- Roll outs on steep slopes may also contribute to other rolling debris.
- In the event a new start or spot fire gets established in grass/brush, expect rapid rates of spread.
- Breezy conditions of the next three days, so fire weakened trees and snags can fall. There's a chance of flare ups if falling snags and green trees land on interior heat.
- Winds may cause blowing dust and ash.

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

<b>1. Incident Name:</b>				<b>3.</b>		
TUNNEL FIVE				<b>Branch:</b>	<b>Division/Group</b>	
<b>2. Operational Period: DAY</b>						
Date/Time From: 07/11/2023 0600 TUE		Date/Time To: 07/13/2023 1800 THU		<b>A / D / G / Z</b>		
<b>4. Operations Personnel</b>						
<b>INCIDENT COMMANDER TYPE 4</b>		AUSTIN SUMMERS JORDAN WILSON (T)				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
O-120 TFLD (T)		07/20	NATALIE KUNTZ	1	/0600	/1800
O-121 TFLD		07/20	JYOTA SMITH-HOWARD	1	/0600	/1800
O-39 HEQB		07/17	MICHAEL BOBIC	1	/0600	/1800
C-10 CR2I PCS NEWAUKUM		07/16	MICHAEL ROBINSON	20	/0600	/1800
E-78 ENG5 JR WILDFIRE LLC		07/20	KYLE COLTON	3	/0600	/1800
E-83 ENG5 GLACIER PEAK WILDFIRE GP-04		07/19	ERIK BORGEN	3	/0600	/1800
E-86 ENG6 C2C WILDFIRE E706		07/19	CHRIS WHITE	3	/0600	/1800
E-87 ENG6 C2C WILDFIRE E709		07/19	CESAR DOMINGUEZ	3	/0600	/1800
E-88 ENG5 WA-NWS-5203		07/20	ISAAC DUGGER	5	/0600	/1800
E-96 DZR3 KREPS RANCH		07/15	CHRIS KREPS	2	/0600	/1800
<b>6. Control Operations/Work Assignments:</b>						
Patrol, mop up and continue repair. Be prepared for IA as needed.						
<b>7. Special Instructions:</b>						
SEE ICS-205 FOR DETAILED COMMUNICATION INFORMATION.						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
JILL JOHNSON			AUSTIN SUMMERS		07/10/2023	1200

# INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

Controlled Unclassified Information//Basic

<b>1. Incident Name:</b>	<b>2. Date/Time Prepared:</b>	<b>3. Operational Period: DAY / NIGHT</b>	
TUNNEL FIVE	Date: 07/10/2023 Time: 1200	Date/Time From: 07/11-13/2023 0600	Date/Time To: 07/11-13/2023 1800

**4. Basic Radio Channel Use:**

Zone Group	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode (A,D, or M)	Remarks
	1	TACTICAL	DNR COM		151.4150	103.5	151.4150	103.5	A	DNR STATEWIDE
	2	COMMAND	SE DEFIA		159.3750	127.3	151.3700	127.3	A	MT DEFIANCE-HOOD RV, OR
	3	COMMAND	GRAYBACK		159.3000	103.5	151.2575	103.5	A	GRAYBACK MTN-GLENWOOD
	4	TACTICAL	DNR TAC 1		151.3100	103.5	151.3100	103.5	A	DNR STATEWIDE
	5	TACTICAL	DNR TAC 2		151.3400	103.5	151.3400	103.5	A	DNR STATEWIDE
	6	COMMAND	CO FIRE		154.1300	162.2	158.8800	167.9	A	KLICKITAT CO FIRE
	7	COMMAND	WEST OPS		154.8900	97.4	158.8500	167.9	A	KLICKITAT CO FIRE
	8	TACTICAL	KL TAC 1		154.0700	82.5	154.0700	82.5	A	KLICKITAT CO FIRE
	9	TACTICAL	KL TAC 2		154.3550	82.5	154.3550	82.5	A	KLICKITAT CO FIRE
	10	COMMAND	NSA DEFI		169.9500	127.3	162.6125	162.2	A	NSA
	11	TACTICAL	G WORK 1		169.1250	127.3	169.1250	127.3	A	NSA
	12	TACTICAL	GP WORK 1		170.5000	123.0	170.5000	123.0	A	MT ADAMS RD
	13	COMMAND	SIGNALP		170.3625	127.3	163.0375	127.3	A	YAKAMA NATION SIGNAL PK
	14	TACTICAL	YN TAC 1		166.9750		166.9750		A	YAKAMA NATION TAC
	15	TACTICAL	CO PAGE		152.0075	100.0			A	KLICK CO FIRE-RX ONLY
	16	AIR TO GROUND	DNR A/G 1		159.2700	103.5	159.2700	103.5	A	DNR AIR TO GROUND

<b>6. Prepared By</b>	(Communications Unit Leader)	Name: MISSY PARKER	Signature: <i>Missy Parker</i>
ICS 205			Date/Time: 07/10/2023 1200





**WILDFIRE**

# HUMAN RESOURCE MESSAGE TUNNEL FIVE FIRE July 2023

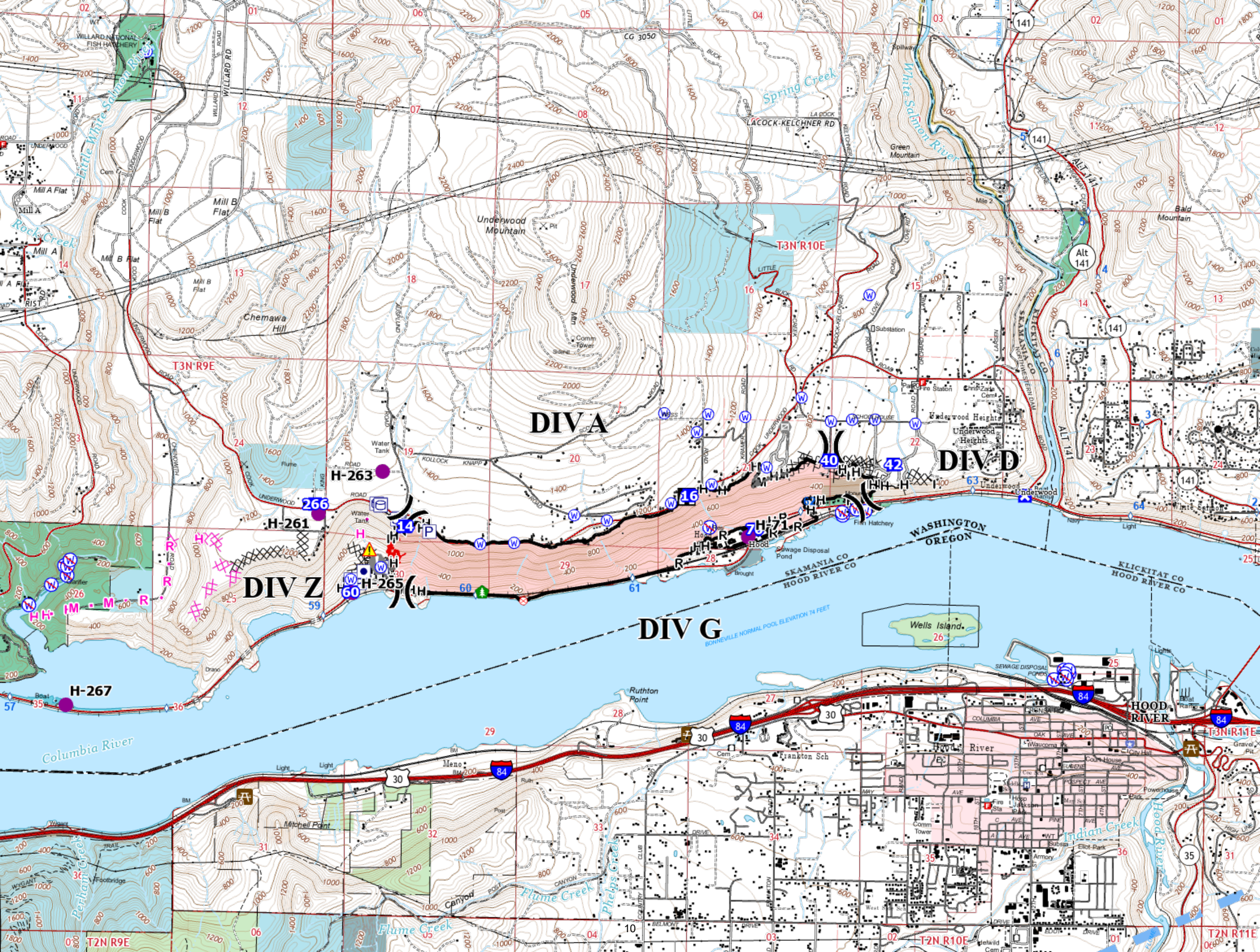


**WILDFIRE**

## Team Expectations

- **Be respectful of one another.**
- **Be accountable for your work.**
- **Be confident enough to ask for help when necessary.**
- **Be open to sharing ideas with team members for improvement.**
- **Be flexible about task assignments and jobs.**
- **Be fit for duty. No illegal drugs or alcohol or other substances that cause impairment.**
- **Listen, communicate, listen, and think before you speak.**
- **Use common sense. Be kind!**





DIV A

DIV D

DIV Z

DIV G

H-267

H-263

H-261

H-265

Wells Island  
26

HOOD RIVER

Columbia River

Indian Creek

Flume Creek

Philips Creek

T2N R9E

T3N R9E

T3N R10E

T3N R10E

T2N R10E

T2N R11E

<b>UNIT LOG</b>	1. Incident Name	2. Date Prepared	3. Time Prepared
	4. Unit Name/Designators	5. Unit Leader (Name and Position)	6. Operational Period
<b>7. Personnel Roster Assigned</b>			
Name	ICS Position	Home Base	
<b>8. Activity Log</b>			
Time	Major Events		
9. Prepared by (Name and Position)			

# Medical Plan ICS-206

Incident/Project Name		Operational Period					
<b>Tunnel Five Fire</b>		Date/Time 7/11/23 – 7/13/23					
<b>Ambulance Services</b>							
Name	Complete Address	Phone	Advanced Life Support				
			Yes	No			
Skamania County	Multiple Locations	911	X				
Klickitat EMS	White Salmon	911	X				
<b>Air Ambulance Services</b>							
Name	Phone	Type of Aircraft & Capability					
Life Flight	800-232-0911	Rotor from Dallesport 20 mins to Carson					
Life Flight	800-232-0911	Rotor from Longview 45 min to Carson					
Airlift NW	800-426-2430	Rotor from Olympia 60 min to Carson					
<b>Hospitals</b>							
Name/ Address	GPS Datum – WGS 84		Travel Time		Phone	Helipad	Level
	Lat:		Air	Gnd		Yes	No
Legacy Emmanuel Burn Center Portland	Long:	N 45°32'40.844W 122°40'10.484	20	56	503-413-2285	X	
PeaceHealth SW Vancouver		N 45° 37.466 W 122° 34.844	20	56	360-514-3666	X	
Skyline Hospital 211 NE Skyline Dr White Salmon		N 45°23.323 W 121°28.232	10	36	509-637-2952	X	
OHSU Portland		N 45° 2956.9900 W 122° 4106.6000	15	59	503-494-7333	X	
<b>Division</b>		<b>Resources</b>					
Div A		Local 911					
Div D		Local 911					
Div G		Local 911					
Div Z		Local 911					
<b>Special Medical Emergency Procedures:</b>							
Skamania County EMS in Stevenson is the nearest ALS ambulance.							
Prepared By (MEDL)	Date	Reviewed By (Safety)			10. Date		
Eamonn Ryan	07/10/23						
<b>Medical Incident Report</b>							

# 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.**

Use the following items to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS / DISPATCH (**Verify correct frequency prior to starting report**)

*Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."*

2. INCIDENT STATUS: *Provide incident summary (including number of patients) and command structure.*

*Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat./Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."*

Severity of Emergency / Transport Priority	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.</i> <input type="checkbox"/> YELLOW / PRIORITY 2 Serious Injury or illness. Evacuation may be DELAYED if necessary. <i>Ex: Significant trauma, unable to walk, 2° – 3° burns not more than 1-3 palm sizes.</i> <input type="checkbox"/> GREEN / PRIORITY 3 Minor Injury or illness. Non-Emergency transport <i>Ex: Sprains, strains, minor heat-related illness.</i>	
Nature of Injury or Illness & Mechanism of Injury		<i>Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)</i>
Transport Request		<i>Air Ambulance / Short Haul/Hoist Ground Ambulance / Other</i>
Patient Location		<i>Descriptive Location &amp; Lat. / Long. (WGS84)</i>
Incident Name		<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>
On-Scene Incident Commander		<i>Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)</i>
Patient Care		<i>Name of Care Provider (Ex: EMT Smith)</i>

3. INITIAL PATIENT ASSESSMENT: *Complete this section for each patient as applicable (start with the most severe patient)*

Patient Assessment: See IRPG page 106

Treatment:

4. TRANSPORT PLAN:

Evacuation Location (if different): *(Descriptive Location (drop point, intersection, etc.) or Lat. / Long.)* Patient's ETA to Evacuation Location:

Helispot / Extraction Site Size and Hazards:

5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:

*Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extrication*

6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable

Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *
COMMAND					
AIR-TO-GRND					
TACTICAL					

7. CONTINGENCY: **Considerations:** *If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.*

8. ADDITIONAL INFORMATION: *Updates/Changes, etc.*

**REMEMBER:** Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.

Controlled Unclassified Information//Basic