

### STUDENT HANDOUT – UNIT 2: WILDFIRE SCENARIO

#### Purpose:

The purpose of this activity is to provide you with an opportunity to apply what you have learned about fundamental ICS concepts to an incident involving wildfires.

#### Instructions:

Work in teams to complete the following activity:

1. Review the scenario, resource list, and scenario map in your handouts.
2. Complete the following steps:
  - Identify who would assume leadership of the ICS organization.
  - Develop initial incident priorities and SMART objectives.
  - Draw an organizational chart to support objectives and manage resources. Your organization should maintain an effective span of control and include Command and General Staff, where appropriate.
  - Describe the responsibilities delegated to the Command Staff and Sections that are activated.
3. Record your results on chart paper that can be seen by the entire class.
4. Select a spokesperson and be prepared to present in 30 minutes.

**Scenario-based activities are designed to help you apply what you are learning in this course. Although based on actual incidents, the scenarios have been altered to ensure that certain teaching points can be emphasized and work with the timeframe allocated. Therefore, the events and timing may differ from how you might experience the incident evolving in your jurisdiction or agency. It is important to focus on the learning activities rather than the details of the scenarios.**

## Unit 2. ICS Fundamentals Review

### Scenario:

After an early snowmelt, the residents of Liberty County have been enjoying unseasonably warm and dry weather for the past 2 weeks. Because of the warm dry weather, the vegetation is very dry and fire conditions for all of Liberty County and neighboring counties have been at “High” for over a week.

In the early morning hours of September 31<sup>st</sup>, a thunderstorm with heavy lightning passed over the county, igniting several brush fires. The fires were reported to be in an area approximately one-half mile south of Kingston and one mile north of Jasper, east of Hwy 69 and south of the interchange with Interstate 102.

The fires are in the Kingston Fire District. Fire crews from Kingston were dispatched to the fires and requested mutual aid from Jasper. A total of four engines, two water tenders, two brush trucks and an ambulance were dispatched. The fires are currently in a wooded area and are being fought by the two neighboring departments.

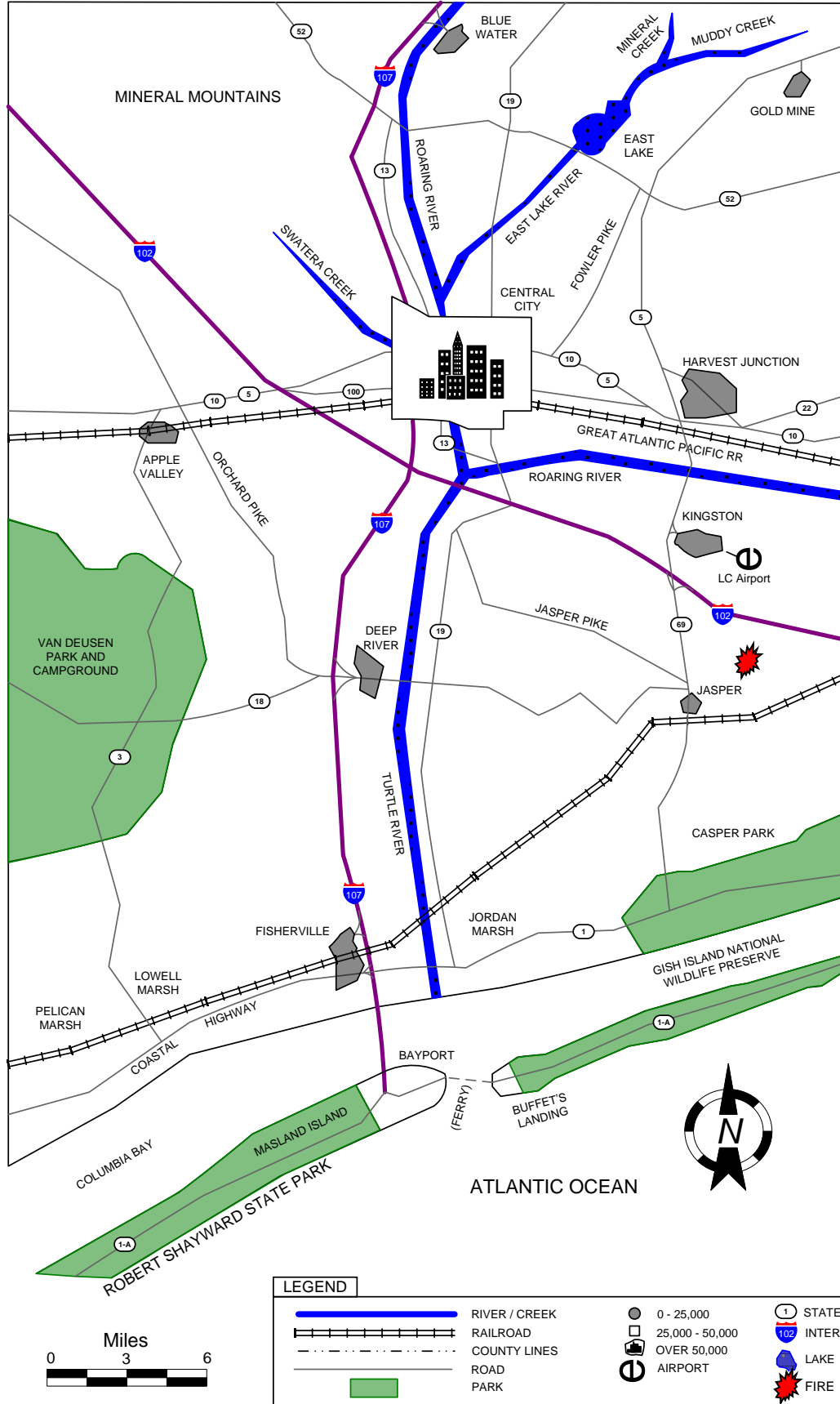
The weather forecast for today includes temperatures predicted to be in the high 70's to mid-80's with winds out of the southwest at 6 to 10 miles per hour. Smoke from the fires has begun to drift toward Interstate 102, causing some early morning traffic to slow down. In some cases bystanders are parking to watch the fires, further slowing traffic on the Interstate. Fire units have requested law enforcement units for traffic control.

### Available Resources:

Jasper Units On Scene		
Engine 81	1250 GPM	Triple Combination Pumper
Engine 181 (Reserve)		
Brush 81	1250 GPM	Triple Combination Pumper
Tender 41		2,000 gallons
Squad 41		
Kingston Units On Scene		
Engine 41	1500 GPM	Triple Combination Pumper
Squirt 41	1250 GPM	Triple Combination Pumper
Brush 41		
Ambulance K2 - BLS		
Harvest Junction Tender 32		2,000 gallons
Columbia State Police Units On Scene		
SP 2T 23		Trooper
SP 2T 24		Trooper
SP 2S 20		Sergeant

# Unit 2. ICS Fundamentals Review

**Map:**



**Your Notes:**

**STUDENT HANDOUT – UNIT 3: WILDFIRE SCENARIO**

**Purpose:**

The purpose of this activity is to provide you with an opportunity to apply what you have learned about Unified Command.

**Instructions:**

Work in teams to complete the following activity:

1. Review the scenario update, resource list, and critical issues in your handouts.
2. Complete the following steps:
  - List who would be included in the Unified Command structure.
  - Describe the challenges facing the Unified Command.
  - Describe the strategies the Unified Command structure will use to address these challenges and facilitate information flow and coordination.
3. Select a spokesperson and be prepared to present your work in 30 minutes.

## Unit 3. Unified Command

### Scenario Update:

It is now 0830. The outside temperature has risen to 76° with a forecast in the high 70's to low 80's. The wind has shifted and is now out of the southwest at 15 mph. High winds and dry fuel are pushing the fire to the northeast in the direction of Kingston. Fire crews have been unable to contain the fire and it is now threatening houses on the outskirts of Kingston. Additional fire units are being requested from Liberty and Green Counties.

Traffic on Interstate 102 and Hwy 69 has slowed due to the smoke and law enforcement units are working to keep traffic moving and attempting to establish alternate routes.

The Mayor of Kingston is considering an evacuation of the southwest portion of Kingston. Liberty County Emergency Management is requesting the American Red Cross to open shelters to the south and west of the fire area and to coordinate with the local Salvation Army to provide food and water for the responders.

**Resources:** (in addition to those listed in Unit 2)

Resource	Kind	Number & Type
Central City Police	Patrol Car	4 marked units: M-1, M-2, M-3, and M-4
Liberty County Sheriff	Patrol Car	6 marked units: O-1, O-2, O-3, O-4, O-5, and O-6
Central City Fire/Rescue	Engine Company	3 companies: ME-1, ME-2, and ME-3
	Truck Company	2 companies: MT-1 and MT-2 1 company: MR-1
Central City EMS	BLS	2 units: MBL-1, and MBL-2
	ALS	2 units: MALS-1 and MALS-2
Central City Public Works	Front-End Loaders	3
	Dump Trucks	4

### Critical Issues:

- Deploy sufficient fire units to contain and control the fire before it reaches Kingston.
- Safely maintain traffic flow on Hwy 69 and Interstate 102.
- Evacuate and shelter residents of Kingston in the affected area.
- Protect the houses on the outskirts of Kingston that may be in the path of the fire.
- Ensure safe fire ground operations throughout the duration of the fire.

### STUDENT HANDOUT – UNIT 4: WILDFIRE SCENARIO

#### Purpose:

This activity will provide practical instruction on the methods and tools used to assess incident/event complexity. It focuses on the following issues:

- Types of agency policies and guidelines that influence management of incident or event activities.
- Processes for developing incident objectives, strategies, and tactics.
- Steps in transferring and assuming incident command.
- Incident objectives.

#### Instructions:

Work in teams to complete the following activity:

1. Review the scenario update in your handouts.
2. Assign an Incident Commander to the Unified Command, Safety Officer, Public Information Officer, Operations Section Chief, Planning Section Chief, Logistics Section Chief, and Finance/Administration Section Chief. If there are enough people in your group, you may also assign a Liaison Officer.
3. Develop incident objectives for the next operational period and revise organization as needed. Document your objectives on chart paper and the partially completed ICS Form 201. Make sure your objectives are SMART!
4. Select a spokesperson and be prepared to present your work in 30 minutes.

### Scenario Update:

Wind speeds have increased and fire crews are unable to slow the progress of the fire. Fire crews are reorganizing in an attempt to protect homes in Kingston. The rapid increase in size may also threaten the airport, which is located just east of Kingston on Aviation Road. Besides the airplanes on the ground, the airport stores large quantities of aviation fuel in above-ground storage tanks on the airport property. Additional fire crews have been ordered, along with additional law enforcement for traffic control and to assist with evacuation in Kingston.

Several neighbors in the area of the fire origin reported seeing what looked like a possible drinking party in the woods with a campfire the night before the fire. Law enforcement is investigating.

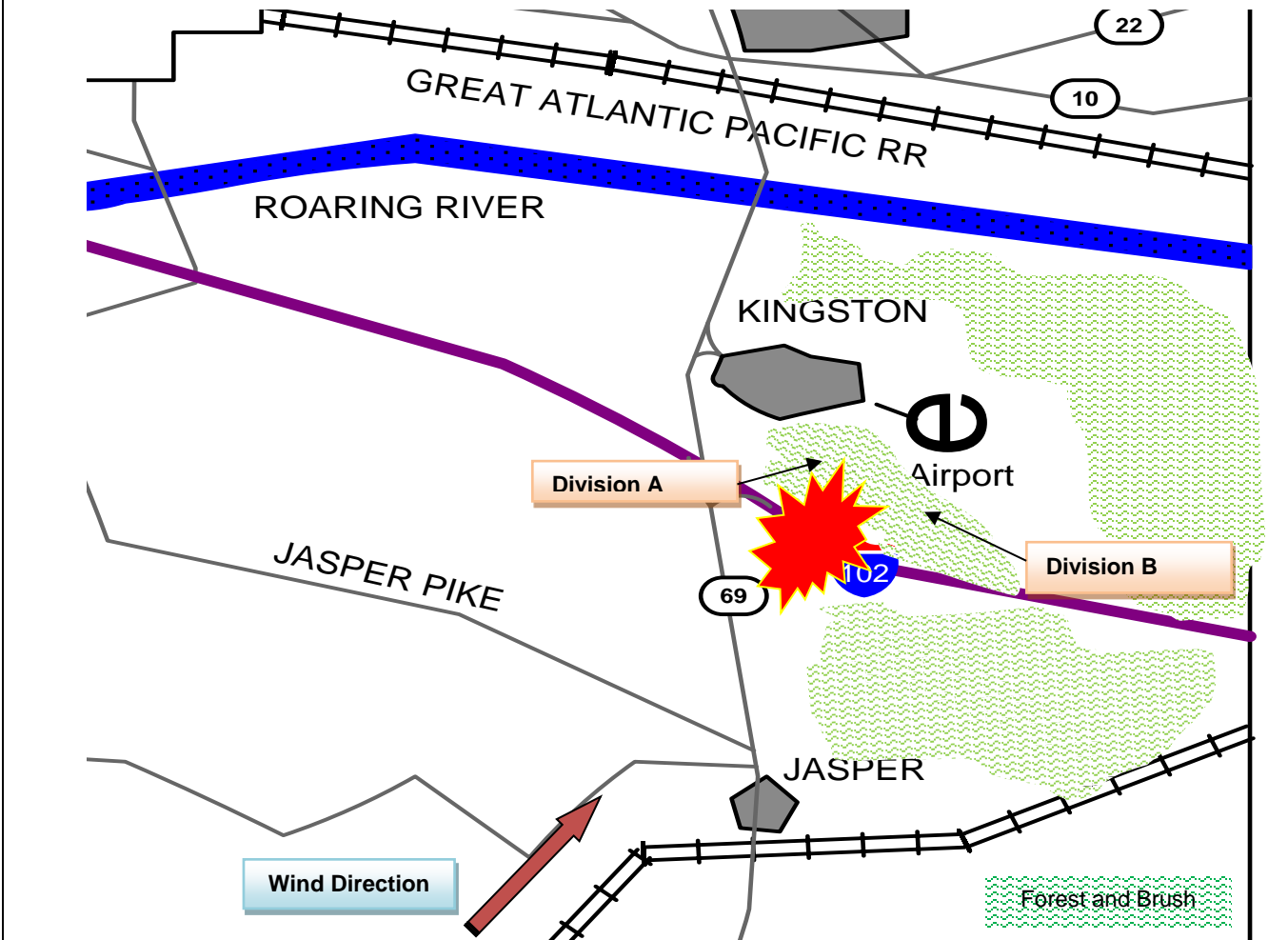
Liberty County and the American Red Cross are opening shelters for those who may be displaced by the fire. The Unified Command is preparing for a much needed shift change later this evening and are ordering additional resources in the event of a prolonged incident.



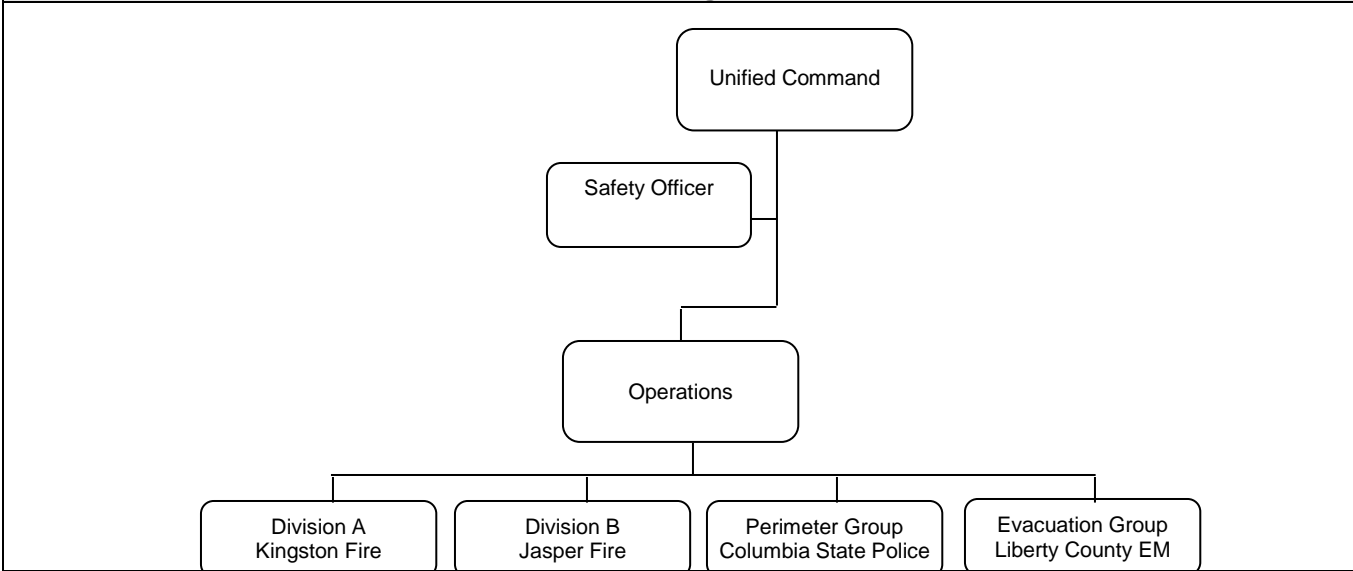
**Unit 4. Incident/Event Assessment and Incident Objectives**

<b>INCIDENT BRIEFING</b>	<b>1. Incident Name</b> ROARING RIVER WILDFIRE	<b>2. Date</b> April 1st	<b>3. Time</b> 08:30
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**4. Map Sketch**



**5. Current Organization**



**Unit 4. Incident/Event Assessment and Incident Objectives**

6. Resources Summary				
Resources Ordered	Resource Identification	ETA	On Scene	Location/Assignment
Jasper Engine 181	JA E 181		X	Division A
Jasper Brush 81	JA B 81		X	Division A
Jasper Engine 81	JA E 81		X	Division A
Jasper Squad 41	JA S 41		X	Division A
Engine 41	KI E 41		X	Division B
Squirt 41	KI S 41		X	Division B
Brush 41	KI B 41		X	Division B
Ambulance K2 - BLS	K2		X	Division B
Columbia State Police	SP 2T 23		X	Perimeter Group
Columbia State Police	SP 2T 24		X	Perimeter Group
Columbia State Police	SP 2S 20		X	Perimeter Group
Central City Police	M-1, M-2, M-3, and M-4	09:00		TBD
Liberty County Sheriff	O-1, O-2, O-3, O-4, O-5, and O-6		X	Perimeter Group
Central City Fire/Rescue	ME-1, ME-2 ME-3 MT-1 and MT-2 MR-1	08:45		TBD
Central City EMS	MBLS-1, MBLS-2 MALS-1, MALS-2	09:00		TBD
Central City Public Works	3 front end loader	09:30		TBD
Central City Public Works	4 dump trucks	09:30		TBD
Central City Fire Dept Incident Management Team		11:00		

**7. Summary of Current Actions**

***Based on the information provided, develop the initial incident objectives and summarize the current actions being taken.***

**Situation:**

Division A, Jasper FD has been tasked with protecting homes in the Kingston area. Division B, Kingston FD will attempt to contain the fire and keep it from spreading to the Kingston Airport. If the fire gets past Kingston and jumps the Roaring River, it would quickly spread through the dry forest land toward Harvest Junction. Evacuation efforts in Kingston are ongoing. Additional fire units have been ordered. Unified Command has requested assistance from State Forestry and the Central City Incident Management Team. American Red Cross and Salvation Army have been requested to provide shelters for displaced residents and to provide meals for the responders. Law enforcement is attempting to keep traffic moving and provide alternate routes. The railroad has been notified of this incident. Central City Department of Public Works has been notified and will supply heavy equipment and operators as needed.

### STUDENT HANDOUT – UNIT 5: WILDFIRE SCENARIO

#### **Purpose:**

The purpose of this activity is to complete the planning cycle by conducting a planning meeting, developing a written Incident Action Plan (IAP), and conducting an operations briefing for a simulated incident.

#### **Instructions:**

Work in teams to complete the following activity:

1. Complete the ICS Form 215 for resources.
2. Based on the tactics selected in the ICS Form 215, complete the Safety Analysis (ICS Form 215A).
3. Prepare an Incident Action Plan, using (at a minimum) ICS Forms 202, 203, 204(s), 205, and 206.
4. Outline the agenda for the operations briefing.
5. Select a spokesperson to present your IAP as a concise 5- to 10-minute operations briefing. Be prepared to present in 60 minutes.

### **Scenario Update:**

It's 1330 on April 1<sup>st</sup>. The fire has reached the southern edge of Kingston and has ignited numerous homes. Jasper Fire, Division A has been reinforced with several Engine companies from Central City and is attempting to extinguish structure fires in Kingston. Division B is being assisted by Airport Fire, which is supplying an Engine and a Tender. In addition, Airport Fire has staged Crash Trucks 12A and 12B along with Foam 12 near the fuel storage tanks to protect them from impingement.

Unified Command has requested additional fire units from Gold Mine and Big Rock, on the Roaring River Reservation, the State Forestry Division, and Central City. Mutual aid units from Apple Valley, Deep River, and Fisherville have been put on standby for future deployment. The Central City Incident Management Team has arrived.

Additional Central City Police units have arrived and are assisting the Columbia State Police in controlling traffic and providing alternate routes. Central City Police, Liberty County Sheriff's Department, and Columbia State Police have formed a strike team of detectives to investigate possible causes for the fire.

Liberty County Emergency Management, working with the American Red Cross and Salvation Army, is continuing with shelter activities and is opening additional shelters in anticipation of an even larger evacuation area. Liberty County has activated its Emergency Operations Center and is requesting an Incident Action Plan be developed for the operational period of 1800 to 0600.

The weather forecast for tonight is for temperatures in the low 60's, with winds out of the southwest at 3 to 5 miles per hour. Tomorrow's forecast calls for 80° temperatures with strong winds expected to be 20 mph with gusts to 25.

The next operational period will begin at 1800 tonight and end at 0600.

### **Critical Issues:**

- Extinguish structure fires in the City of Kingston.
- Protect the fuel storage tanks at the Kingston Airport from impingement.
- Continue the investigation into the probable origin of the fire.
- Ensure the safety of the public, the responders, and the media.
- Construct the fire breaks necessary to gain control of the fire.

### **Additional Available Resources:**

#### **National Guard:**

80 personnel  
5 five-ton trucks  
1 engineer unit with 8 personnel  
2 heavy front-end loaders  
1 bulldozer

### **Air Operations:**

2 helicopters and support assets capable of basic medical transport  
3 State Police helicopters, MEDEVAC equipped

### **State Police:**

15 marked units  
Hazardous Materials Response Team

### **Incident Communications:**

Central City and Liberty County have a shared 800-mHz radio system. Talk Groups include:

- Fire: Talk Groups 1, 2, 3
- Law Enforcement: Talk Groups 4, 5, 6
- EMS: Talk Groups 7, 8
- Regional Mutual Aid: Talk Groups 9, 10
- State Mutual Aid: Talk Group 11

**Your Notes:**

### STUDENT HANDOUT – UNIT 6: WILDFIRE SCENARIO

#### Purpose:

The purpose of this activity is to gain an understanding of how resources are ordered and to understand the challenges and strategies for managing resources during an incident.

#### Instructions:

Work in teams to complete the following activity:

1. Review the Operational Planning Worksheet (ICS Form 215) and Safety Analysis (ICS Form 215A) completed in the previous unit.
2. Describe how resources will be ordered (single point or multipoint) for this incident, from what sources resources will be acquired, and how long they will need to be deployed.
3. Identify the top challenges and strategies for managing resources during this incident.
4. Describe the method for evaluating resource effectiveness.
5. Select a spokesperson and be prepared to present your work in 30 minutes.

**Your Notes:**



**STUDENT HANDOUT – UNIT 7: WILDFIRE SCENARIO**

**Purpose:**

The purpose of this activity is to develop a Demobilization Plan for a simulated incident.

**Instructions:**

Work in teams to complete the following activity:

1. Review the information you developed in all of the previous activities and the scenario update.
2. Write a Demobilization Plan using the five elements described in Unit 7.
3. Develop a detailed agenda for a closeout briefing to be presented to the Mayor of Kingston and the appropriate CEO or agency administrators.
4. Select a spokesperson and be prepared to present your work in 45 minutes.

**Scenario Update:**

Weather conditions on the morning of April 3<sup>rd</sup> were favorable and the fire units were able to contain the blaze by 1530. Mop-up operations are ongoing with mutual-aid units, and demobilization plans are in effect. Fourteen homes were destroyed in the City of Kingston, and although more than 2,300 people were evacuated from their homes; there were no reported fatalities and only minor injuries were treated at local hospitals. The majority of medical problems reported involved smoke-related breathing difficulties.

Fire units and other resources from the State of Columbia, Green County, Liberty County and the Roaring River Indian Reservation were involved in suppressing this fire. Law enforcement units from Columbia State Police, Liberty County Sheriff's Department, and Central City provided traffic control and alternate routes. The investigation into the cause of the fire is ongoing.

Liberty County Emergency Management reports that all of the shelters have been closed and the EOC is returning to normal operations pending an After-Action Review by the participants.