

STUDENT HANDOUT – UNIT 2: COQUI FROG 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 a plant/pest scenario.

Instructions:

Work in teams to complete the following activity:

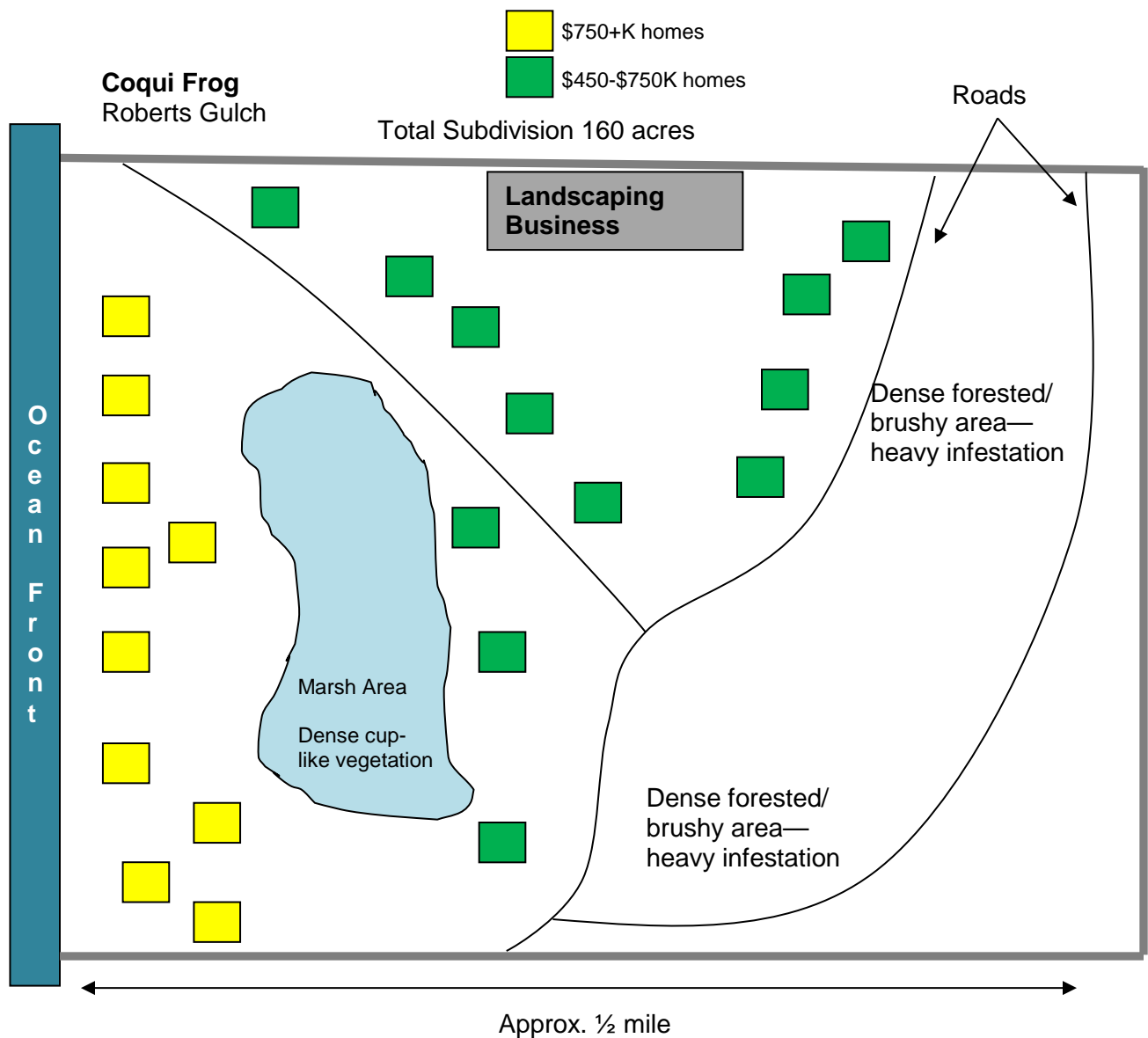
1. Review the scenario, map, and resource list in your handouts.
2. Complete the following steps:
 - Identify who would assume the leadership of the ICS organization.
 - Develop initial incident priorities and SMART objectives.
 - Draw an organizational chart to support the objectives and manage resources. 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 your results 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.

Scenario: South Columbian Islands – Liberty Island

The coqui frog is a small light brown-to dark colored frog measuring up to 2 inches. Native to Puerto Rico, the coqui remain hidden during the day in leaf litter. Male coqui emerge into the trees at night calling “ko-kee” to attract females. Females lay their eggs in cup-like vegetation. Juvenile frogs hatch in 2 to 3 weeks. There are no natural enemies to control the coqui in the Islands of South Columbia. Populations may exceed 10,000 frogs per acre, which consume over 50,000 insects each night. As an invasive species, coqui endanger native insect populations and compete with native birds.

The shrieking courtship noise has been a major nuisance to many local residents and visitors, who are not able to sleep due to the noise level. At a distance of one foot, the loud piercing call of a group of coquis has been measured at 80-90 decibels. This is comparable to noise produced by a lawn mower. Property values are falling.



Unit 2. ICS Fundamentals Review

Since the coqui remains hidden during the day, the movement of household potted plants has been associated with its spread. There have also been a few reports that coqui frogs have been purposely released in certain areas.

Conditions:

- The State legislature has passed legislation and funding for eradication and control of the coqui. The funding is to the State Department of Agriculture.
- The Columbian Department of Agriculture (CDOA) has asked for an ICS organization to manage the incident.
- Nursery shipments to and from the island are a concern.
- Local law enforcement was dispatched to the scene at the request of HDOA.
- Home owners want to know what they can do and what role they can play in assisting with the control and eradication.
- There are no standards nationally for eradicating this invasive species, and approval has been granted to spray hydrated lime as an agricultural product, and/or use of citric acid (food additive) as a spray.
- Habitat modification with heavy machinery to clear all vegetation 14 inches in diameter and under is approved. Clearing and use of access roads will help facilitate use of spray application which is coinciding with the clearing work.

Resources:

County Employees/Equipment:

County Crew Labor	(2) 10 person crews with (1) 100 gal. Pumper/sprayer
Equipment	(1) Tractor-mounted brush cutter
Equipment	(1) Bulldozer for clearing brush P60U (clearing)
Equipment	(1) Track-hoe with hydro-axe attachment

Local Law Enforcement:

Local police officers/cruisers	1 unit with 2 officers
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State Department of Ag. Employees:

Plant Quarantine Branch Director	1
Pest Survey Specialists	4
Plant Health/Safeguarding Spec.	2
Supervisory personnel	6 Local Dept. of Ag employees

Your Notes:

STUDENT HANDOUT – UNIT 3: COQUI FROG SCENARIO

Purpose:

The purpose of this activity is to provide you the 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 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 results in 30 minutes.

Scenario Update:

Each island is a county, and each county has a mayor that oversees activities on the island. The mayors established a “mini-grant” program for community groups that will organize to perform treatment action for the coqui frog. Each community awarded a mini-grant will be given \$3,000 and use of county sprayers through a loan program. Several new local homeowner groups have gotten organized due to the “mini-grants” program.

Additionally, while CDOA has authority through the legislation to enter private property, the South Columbia Department of Lands and Natural Resources (DLNR) has the jurisdictional authority to dispose of (or euthanize) wildlife and native species.

The U.S. Department of Agriculture Animal Plant and Health Inspection Service (APHIS) is very interested in the use of the Incident Command System for responses to all emergencies, especially plant/pest issues. They have expressed a desire to be part of the organization, and have made all their resources available for use.

Resources:

County Employees/Equipment:

County Crew Labor	(3) 10 person crews with (1) 100 gal. Pumper/sprayer
Equipment	(1) Tractor-mounted brush cutter
Equipment	(1) Bulldozer for clearing brush P60U (clearing)
Equipment	(1) Track-hoe with hydro-axe attachment

Local Law Enforcement:

Local police officers/cruisers	1 unit with 2 officers
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State Department of Ag. Employees:

Plant Quarantine Branch Director	1
Pest Survey Specialists	4
Plant Health/Safeguarding Spec.	2
SITC personnel	4
Supervisory personnel	6 Local Dept. of Ag employees
Supervisory personnel	3 Local DLNR employees

APHIS Plant Protection and Quarantine (PPQ) Resources:

APHIS has made available their personnel to assist.

STUDENT HANDOUT – UNIT 4: COQUI FROG 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:

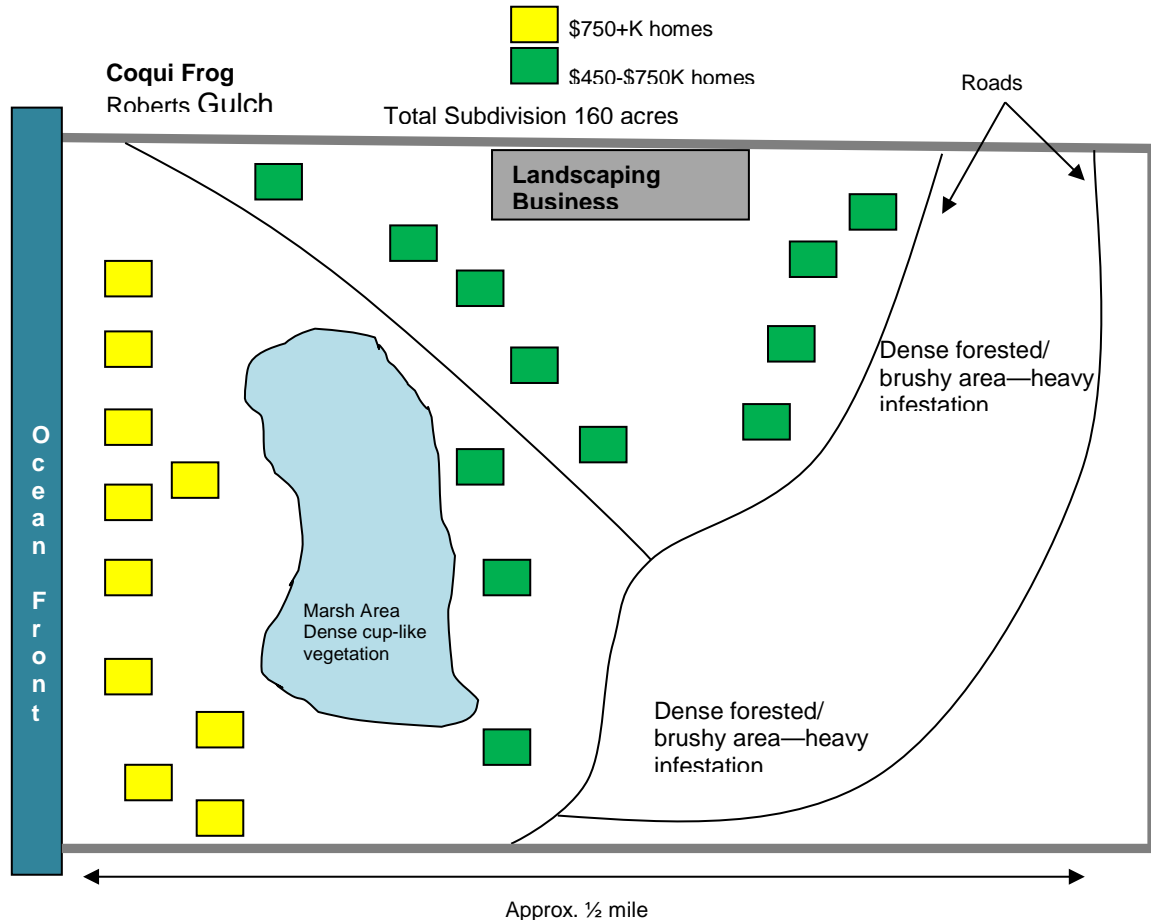
1. Review the partially completed ICS 201 in your handouts.
2. Develop incident objectives for the next operational period and revise the organization as needed. Document your objectives and organization on chart paper and the partially completed ICS Form 201. Make sure your objectives are SMART!
3. Write your incident objectives on the ICS Form 201. Also record the objectives on chart paper.
4. Select a spokesperson and be prepared to present your work in 30 minutes.

Your Notes:

INCIDENT BRIEFING (ICS 201)

1. Incident Name: Coqui Frog Response	2. Incident Number:	3. Date/Time Initiated: Date: 4-1-20XX Time: 0900
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4. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment):



5. Situation Summary and Health and Safety Briefing (for briefings or transfer of command): Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.

6. Prepared by: Name: J. Roberts	Position/Title: Initial Response Incident Commander
Signature: _____	

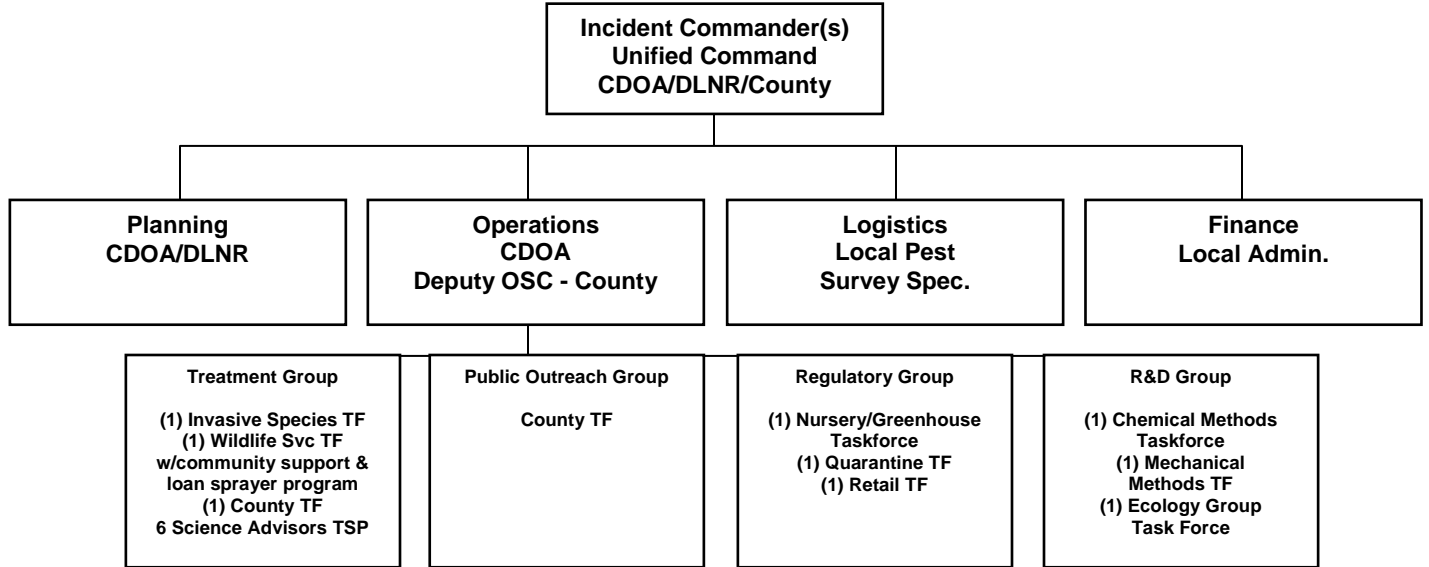
ICS 201, Page 1	Date/Time: _____
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INCIDENT BRIEFING (ICS 201)

1. Incident Name: Coqui Frog Response	2. Incident Number:	3. Date/Time Initiated: Date: 4-1-20XX Time: 0900
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9. Current Organization (fill in additional organization as appropriate):

Safety Officer:	CDOA
Liaison Officer or Agency Rep:	
Public Information Officer:	County PIO



6. Prepared by: Name: J. Roberts Position/Title: Initial Response Incident Commander Signature: _____

ICS 201, Page 3 Date/Time: _____

INCIDENT BRIEFING (ICS 201)

1. Incident Name: Coqui Frog Response		2. Incident Number:		3. Date/Time Initiated: Date: 4-1-20XX Time: 0900	
10. Resource Summary:					
Resource	Resource Identifier	Date/ Time Ordered	ETA	Arrived	Notes (location/assignment/status)
6 Person Science Advisory Panel	El-Lissy; Sanderson, Stubbs, Huff, Burwell, Goeller		1000	<input type="checkbox"/>	Technical specialists: assigned to OSC
4 Regulatory Enforcement Investigators	Roberts, Herrin, Myers, Woodbridge			0900	Situation Unit & Ops Assignments
2 Investigative Enforcement Personnel	Embry, Stewart		1100	<input type="checkbox"/>	To be assigned: Operations, groups
4 Trainees from Riverdale assigned as needed	Smith, Jones, Springer, Wayne		1400		To be assigned: OSC/PSC
20 Survey Personnel	On order – no names		1200	<input type="checkbox"/>	To be assigned
5 (2 officer) police cars & 2 EMTs	Car #: 54, 75, 22, 65, 55 EMTs: Fortner, Maddux			0900	Medical Unit – Logistics can be assigned to OPS
4 fully outfitted pumper-spray w/ lime/citric acid & operators	Sprayer: #1, #2, #3, #4			0900	Assigned to Ops: Treatment Group
2 High capacity foam units	Foam Units: #77, #78 w/operators			0900	Assigned to E&D Group Supervisor
6 Group Supervisors	On order		1100	<input type="checkbox"/>	To be assigned: Ops & Plans
12 TFL (Task Force Leaders)	On order		1100	<input type="checkbox"/>	To be assigned: Ops & Plans
4 Pest Survey Specialists	On order		1100	<input type="checkbox"/>	To be assigned: Ops & Plans
6 SITC Personnel	Cooper, Broiles, Gale, Meredith			0900	Assigned to Ops & Situation Unit (Recon/Eval. Crews)
(4) 10 person work crews	Local/County personnel			0800	Assigned to Task Force personnel to Treatment, Outreach & Regulatory groups
(1) Tushhog (2) 200 gal. hydromulcher	Contact personnel			0800	Assigned to Operations
6. Prepared by: Name: J. Roberts Position/Title: Initial Response Incident Commander Signature: _____					
ICS 201, Page 4			Date/Time: _____		

STUDENT HANDOUT – UNIT 5: COQUI FROG 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 your team to complete the following activity:

1. Review the scenario update, maps, and resource list in your handouts.
2. Discuss the strategy recommendations and select a course of action.
3. Based on the selected tactics, determine resource requirements. Complete the Operational Planning Worksheet (ICS 215) and Safety Analysis (215A).
4. Identify the ICS forms to be included in the IAP.
5. Outline the agenda for the operational briefing.
6. Select a spokesperson to present your IAP as a concise 5-minute to 10-minute operational briefing. Be prepared to present in 60 minutes.

Scenario Update:

The legislature is anxious for results. Extensive resources have been made available and are standing by. Placing orders for additional resources is not an issue.

It is suspected that a landscaping business dumped some plant materials that were infested with coqui into the nearby forested area. The population in the forested area is well established now. Rumors abound that they did it on purpose because they embrace the calling sound and feel it is not proper to kill the frog. They sell plants to the local residents as well as ship them to all the other islands and the mainland.

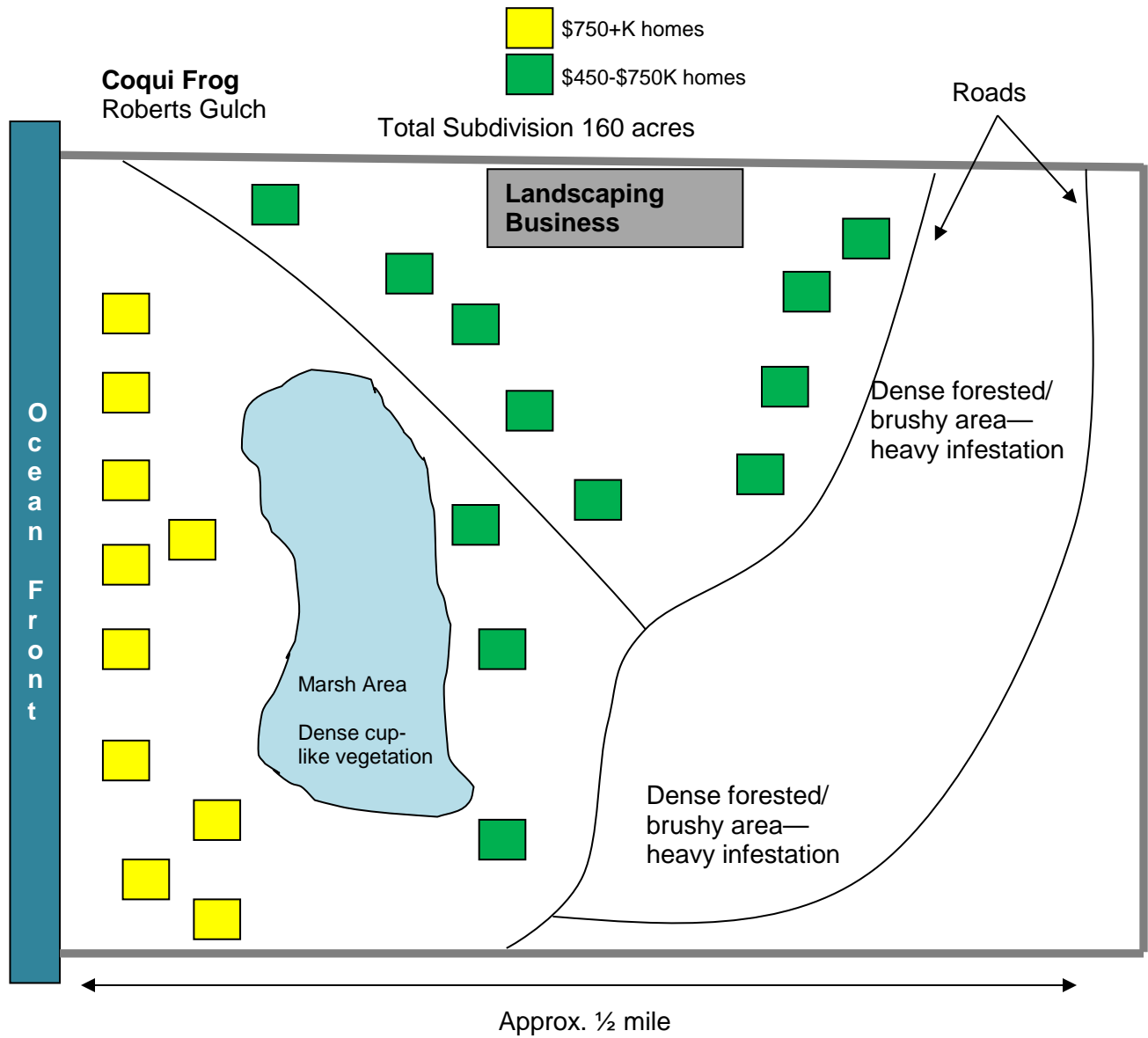
Vegetative clearing is approved on the forested lands as they are owned by the United States Government. They have granted access and have designated a liaison to work with the Incident Management Team. Local homeowners are aggressively pursuing the mini-grant program and working in the residential areas on a daily basis.

Clearing with equipment occurs during daylight and treatment is most effective at night, as this is when you can pinpoint the location of the male frogs. Four to six spray trucks with a three-person crew each for operations and mixing could cover the forested area from the existing roads. As additional roads are cleared, more trucks may be needed.

The State Plant Health Director and State Plant Regulatory Official have given you the following incident objectives as a minimum:

- Provide for the safety of incident personnel and the public.
 - Ensure an appropriate level of PPE.
 - Aggressive education and outreach will be part of the ICS organization.
- Respond to all new infestation reports within 48 hours. If verified as positive, ensure treatment begins within 7 days.
- Contain the Roberts Gulch population, and eradicate within 3 years (includes monitoring). Monitor nearby landscaping business.

Unit 5. Planning Process



Unit 5. Planning Process

Resources:

County Employees/Equipment:

County Crew Labor	(4) 10 person crews with (1) 100 gal. Pumper/sprayer
Equipment	(1) Tractor-mounted brush cutter
Equipment	(1) Bulldozer for clearing brush P60U (clearing)
Equipment	(1) Track-hoe with hydro-axe attachment
Equipment	(2) 200 gal. Hydro-mulcher
Equipment	(1) 1100 gal. Hydro-mulcher
Equipment	(4) Truck mounted 200 gal. sprayers

Local Law Enforcement:

Local police officers/cruisers	1 unit with 2 officers
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State & APHIS Employees:

Plant Quarantine Branch Director	1
Pest Survey Specialists	4
Plant Health/Safeguarding Spec.	2
SITC personnel	4
Supervisory personnel	6 Local Dept. of Ag employees
Supervisory personnel	3 Local DLNR employees
Group Supervisors	4
Task Force Leaders	6
Survey personnel	20
Investigative Enforcement Personnel	2
Wildlife Services Personnel	2
Regulatory Enforcement Investigators	4
Science Advisory Panel Members	6

PPE/Equipment:

All necessary PPE has been provided from the State cache for the workers listed here. Additional orders for personnel will require additional ordering of PPE.

STUDENT HANDOUT – UNIT 6: COQUI FROG 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: COQUI FROG 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 the previous activities and the scenario update.
2. Write a Demobilization Plan using the five elements described in Unit 7.
3. Develop an agenda for a closeout briefing to be presented to the appropriate government officials of the affected area.
4. Develop a transfer of command briefing to be delivered to the Incident Commander who will be assuming the responsibility for the incident.
5. Select a spokesperson and be prepared to present your results in 45 minutes.

Scenario Update:

It has been 9 months now and monitoring indicates that the coqui populations have been eradicated in the forested areas. There are still some single calling males in the residential areas, but things are winding down rapidly. Command has determined that the incident priorities will now be restructured to focus on monitoring the forested areas and landscaping business and concentrate on treatment in the residential areas.

Incident Objectives:

- Implement required safety measures to protect responding personnel and the public.
- Respond to any new infestation reports within 48 hours and if verified begin treatment immediately.
- Assist residential mini-grant program efforts with supervisory personnel by filling requests with 24 hours.
- Develop a plan to continue monitoring the forested areas and business and residential sites. The target date for the completion of the plan is 5 business days.