

Planning For Evacuation

Genesee Foundation
Firewise Community

Presentation Objectives

- ◉ Information sharing.
- ◉ Does it relate to your community?
- ◉ Was this a worthwhile exercise?
- ◉ Critique, what and how can this be improved?
- ◉ Ultimately, whose responsibility is evacuation in an emergency?

Planning for Evacuation Genesee Overview

30 minutes west of Denver, CO

Jefferson County

Genesee HOA - Others

980 Homes

2500 Residents

Genesee Fire Protection District

Local wildland Fire

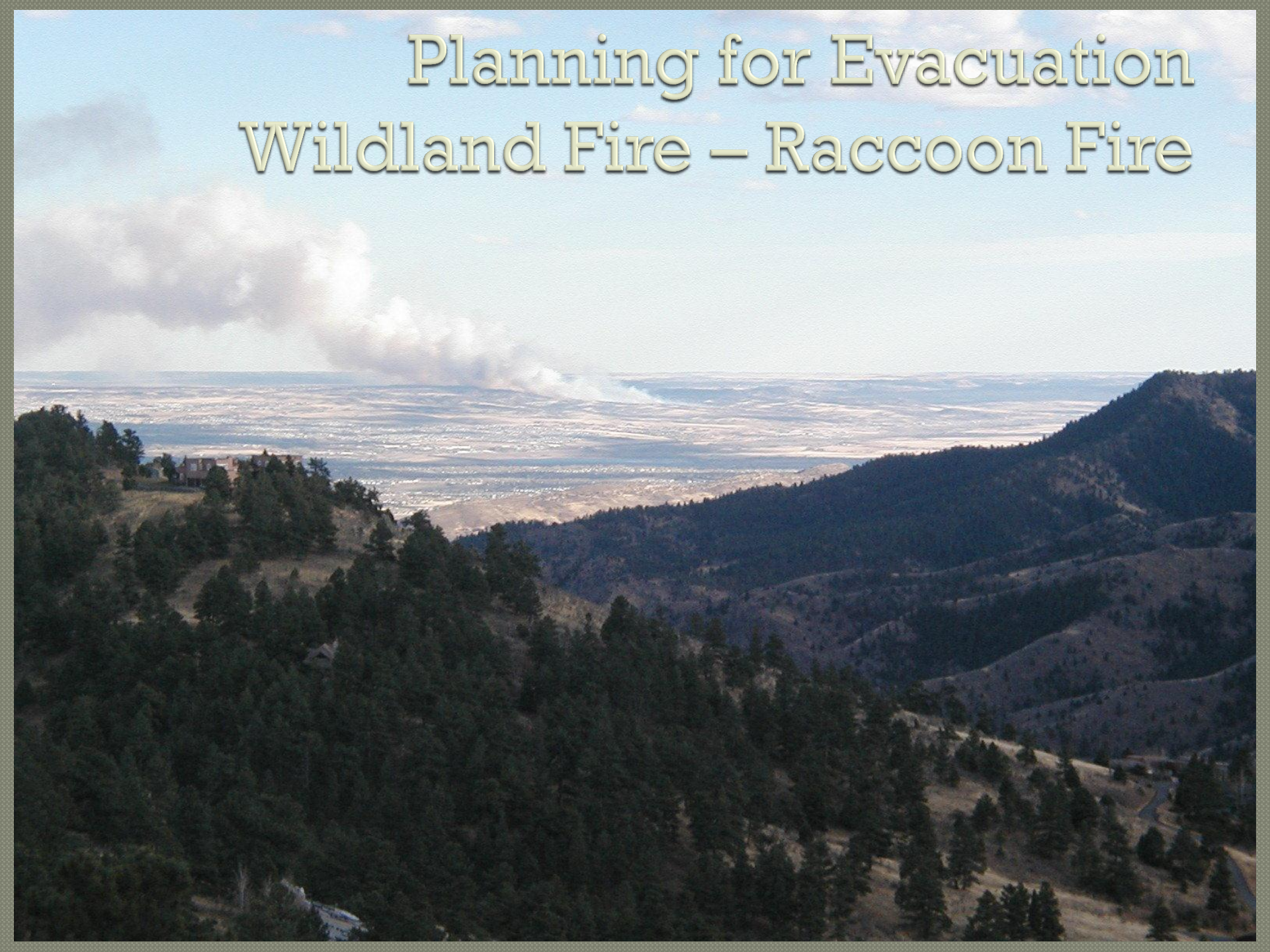
Planning for Evacuation Looking East



Planning for Evacuation Looking West



Planning for Evacuation Wildland Fire – Raccoon Fire



Planning for Evacuation Wildland Fire – Snaking Fire



Planning for Evacuation Wildland Fire –Community



Planning for Evacuation Wildland Fire – Community



Evacuation

- Warning systems only work if you tell folks what to do when they hear it.
- Thomas Drabek study - When told to evacuate people check with 4 or more areas before making their decision to evacuate (Family, news, officials, others).
- Survival Arc – Amanda Ripley
 - Phase 1- denial - How long depends on how we calculate risk.
 - Phase 2 – deliberation – We know things are wrong, but don't know what to do, you can think and perceive differently during this time.
 - Phase 3 – Decisive moment - Accepted we are in danger and action is taken.
- Should Fire-Prone Communities have Maximum Occupancy? - Thomas Cova
 - Firewise Conference How many exits in buildings well studied, but not in the WUI.
 - Communities nestled in on hillsides
 - Too expensive to build roads on hillsides
 - Residents prefer less non-resident traffic
 - Common road network is to build cul-de-sacs branching from existing to add more housing.
 - Housing density as compared to the number of exits and proximity of those exits.

Planning for Evacuation

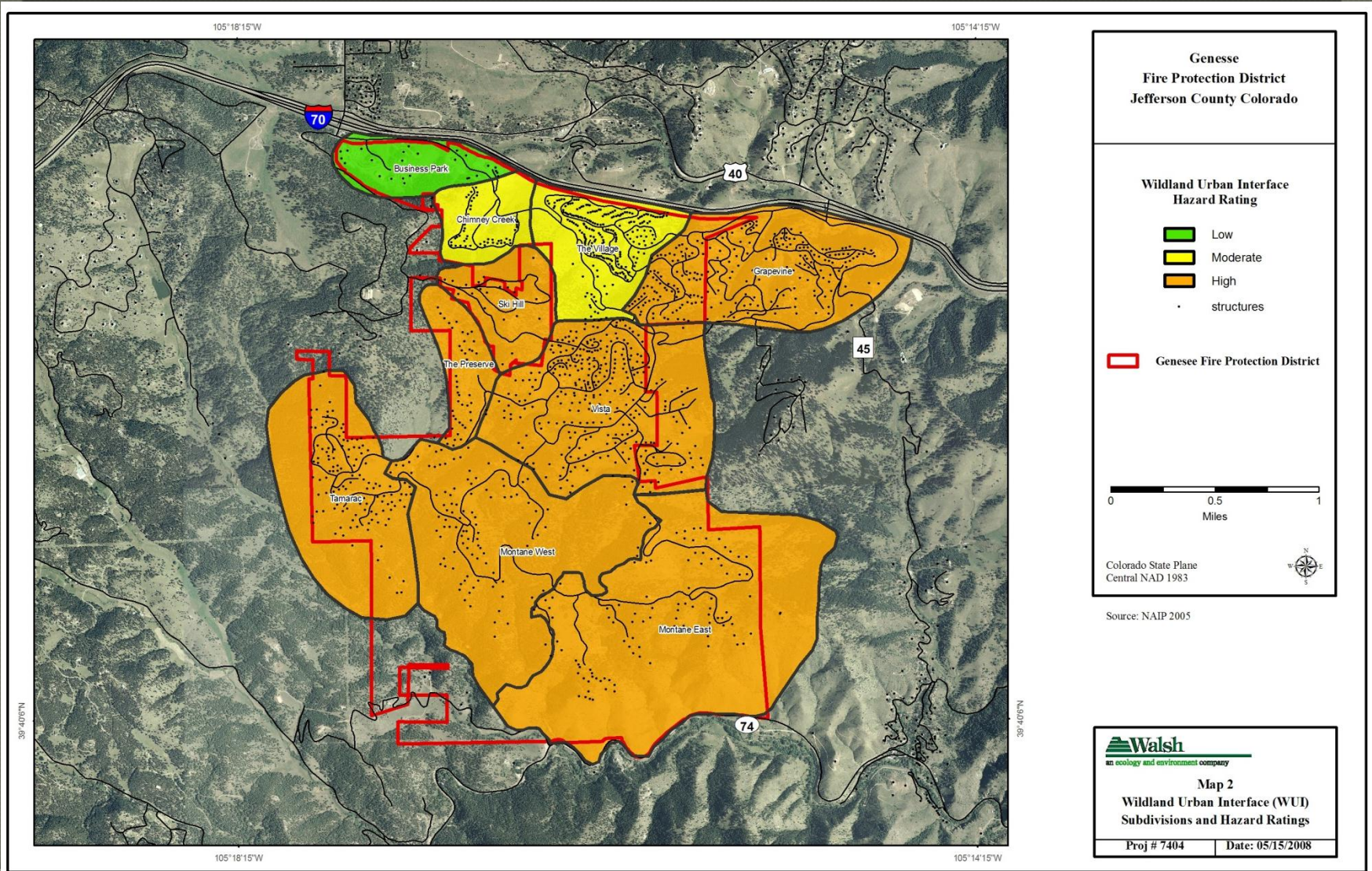
Jeffco Pre Plan & Genesee CWPP

○ Jefferson County annually updates fire operating plan

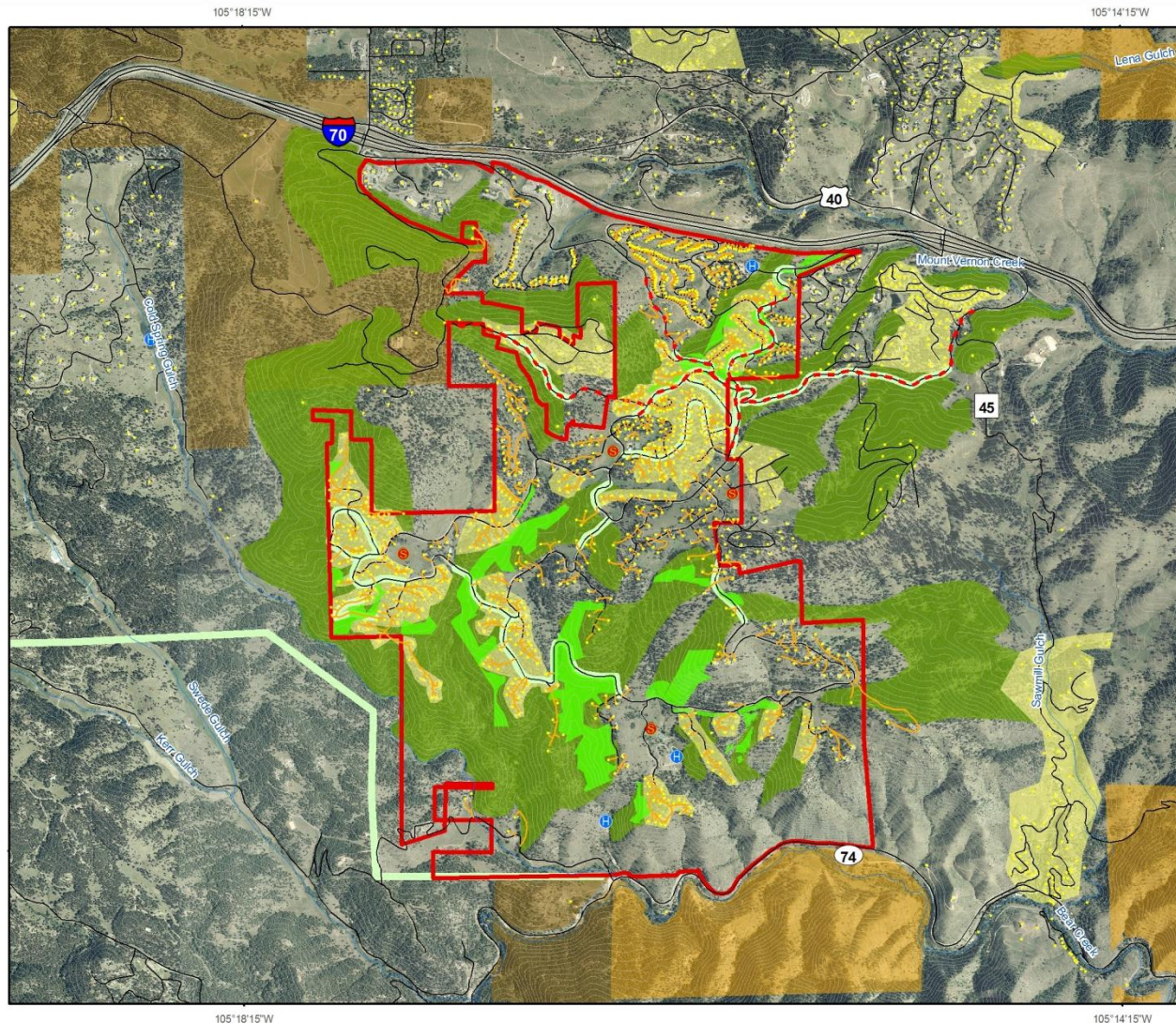
<http://jeffco.us/sheriff/emergency-responders/annual-fire-operating-plan/>

- Cost share guiding principles
- Fire protection district maps
- Land ownership and open space maps
- FEMA flow chart
- Resource groups
- County staging areas

Planning for Evacuation Community CWPP & Jeffco Plan

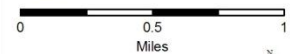


Planning for Evacuation CWPP & Jeffco Plan



Genesee Fire Protection District Jefferson County Colorado

- Structures
- Existing Thinning Projects
- Proposed Shaded Fuelbreak
- Proposed Treatment Areas
- Priority Defensible Space Areas
- Potential Safety Zones
- - - Evac Routes
- ⊕ Potential Helicopter Dip
- Genesee Fire Protection District
- Jeffco Open Space
- Denver Mountain Park



Colorado State Plane
Central NAD 1983
Source: NAIP 2005



Walsh
an ecology and environment company

Map 5 Mitigation Recommendations

Proj # 7404

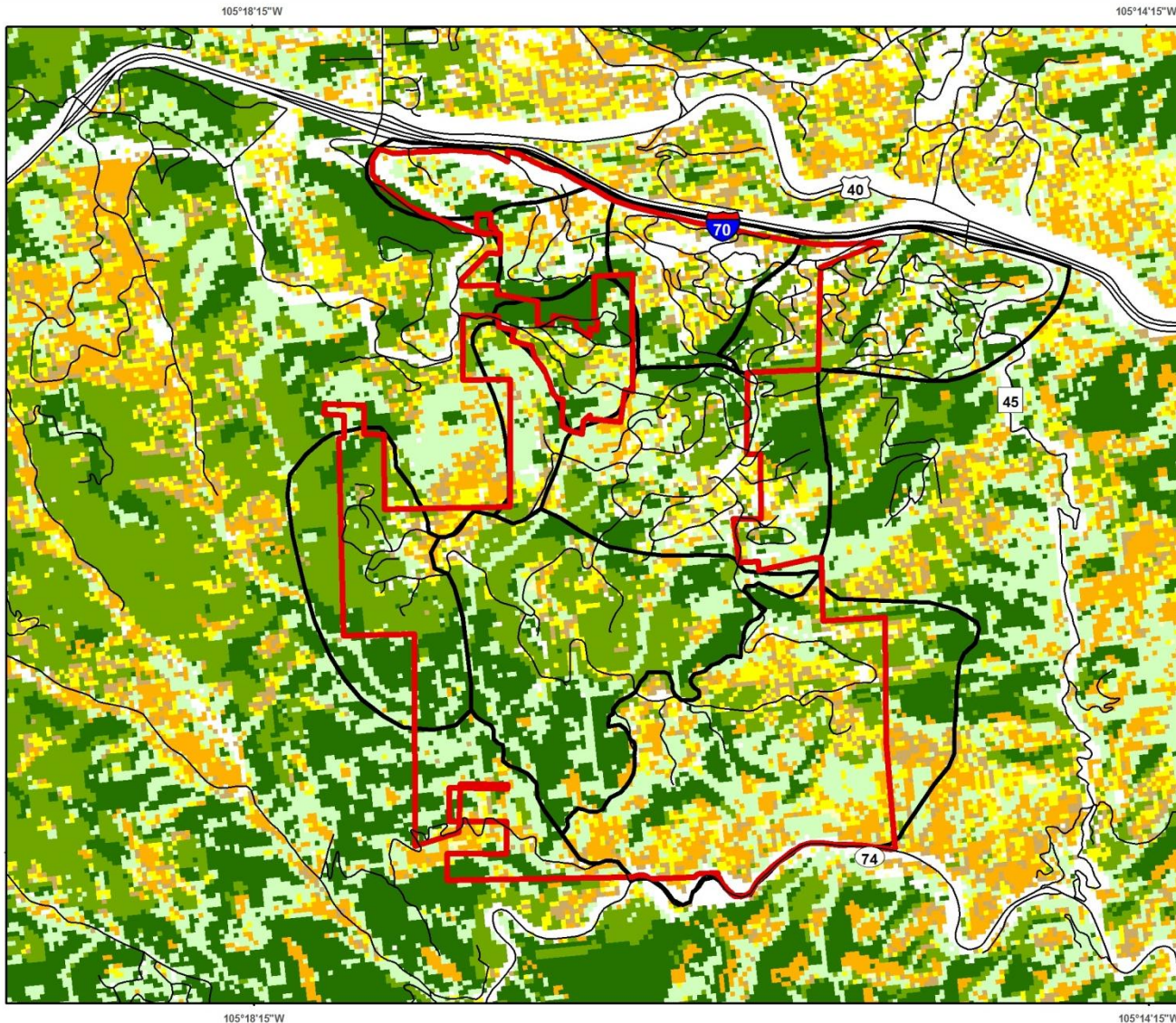
Date: 05/05/2008

Planning for Evacuation Wildland Fire

○ Planning for Evacuation

- High Park Fire – Evacuation was an issue, phone availability, door to door.
- Genesee's reaction to April wildland fires
- Resident reaction to the Lower North Fork fire
 - Review of reverse 911 through the county – 12% of houses weren't reached.
 - Higher level of concern than in the past – 12 hour event
 - Genesee has been on a heightened awareness since this event
 - 10% community turnover annually – this impacts messaging to community
- Saw Mill Gulch Fire – same day as the Lower North Fork
- Wildfire scenarios for Genesee and impacts on evacuation
 - Most likely fire direction, who is the first impacted
 - Other areas of concern that could impact evacuation

Planning for Evacuation Wildland Fire



Genesee
Fire Protection District
Jefferson County Colorado

Fire Behavior Fuel Models

-  FBFM1
-  FBFM2
-  FBFM5
-  FBFM6
-  FBFM8
-  FBFM9
-  FBFM10
-  Roads
-  WUI Boundary
-  Genesee Fire Protection District

0 0.5 1
Miles

Colorado State Plane
Central NAD 1983



Source: Landfire (<http://landfire.cr.usgs.gov>)


an ecology and environment company

Map 4
Fire Behavior Fuel Models

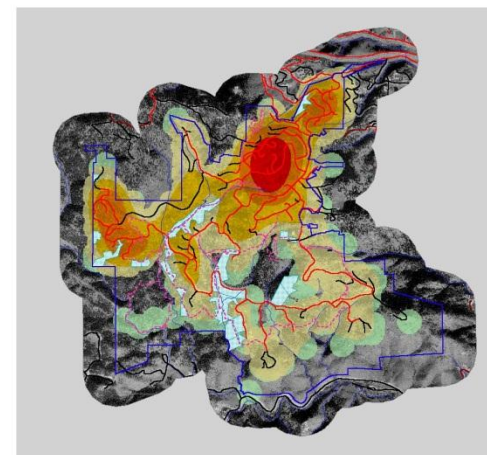
Proj # 7404

Date: 03/24/2008

Planning for Evacuation Wildland Fire

- Which area may be impacted first
- Considerations for evacuation

Values at Risk (Structures Per Sq. Mi.)

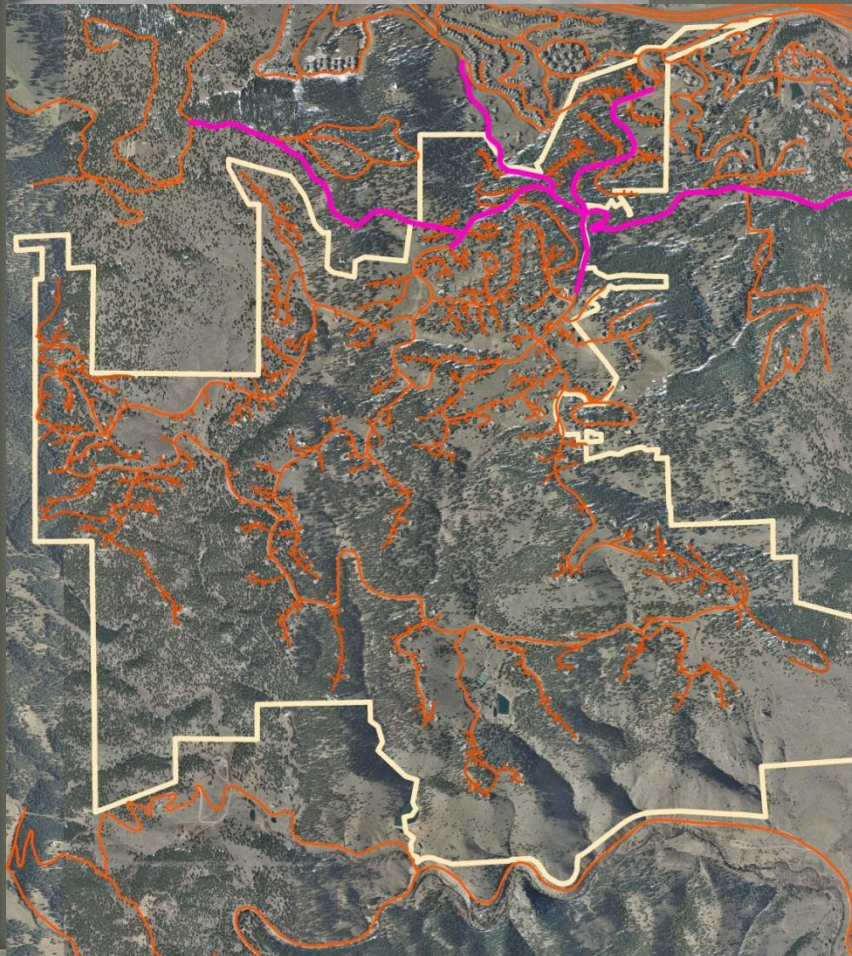


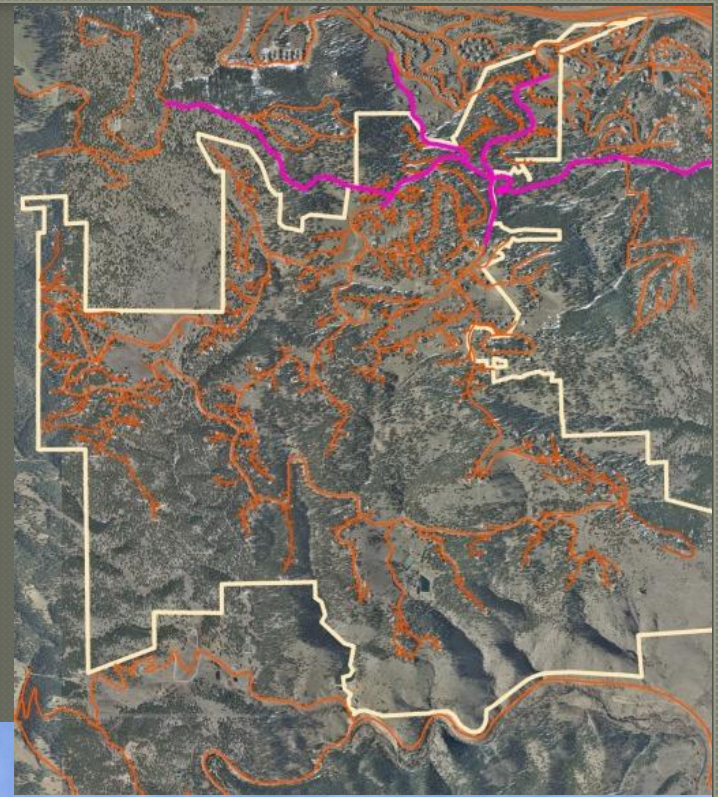
Prepared by C.M. Hay, March 2002.
The Anchor Point Group for
The Genesee Foundation.

Planning for Evacuation

Genesee's Options

- Paved known ingress / egress
 - Bottle neck - "A means of egress is only as effective as its most constricting component"
 - Shingle creek
 - Chokecherry
- How many exits do we need?
 - 100 households would need a road capacity of at least 400 vph to leave in $\frac{1}{2}$ hour
(200 vehicles / .5h = 400 vph) – 600+ houses = Min of 4 exits
 - Highway 74
 - Housing distribution
 - Challenges





Planning for Evacuation Stake Holders

- Genesee Foundation HOA – energized and vocal citizens
- Neighboring HOA's – Riva Chase, Village, Chimney Creek
- Emergency Services – Genesee, Foothills, Highland Rescue
- Jefferson County Sheriff – Office of Emergency Management (OEM)

Planning for Evacuation Stake Holders

◉ Legal

- Who owns the drill, who owns the liability

Planning for Evacuation Stake Holders

- Jefferson County OEM decided to take on this drill
 - Planning strategy
 - Engage communities
 - Meetings & flyers
 - Design
 - Check points, data collection, agency coordination, resident coordination, volunteer coordination
 - Code Red Test
 - Citizen Preparedness
 - Emergency Management
 - Implementing the event
 - Public Information – social media

Planning for Evacuation Design



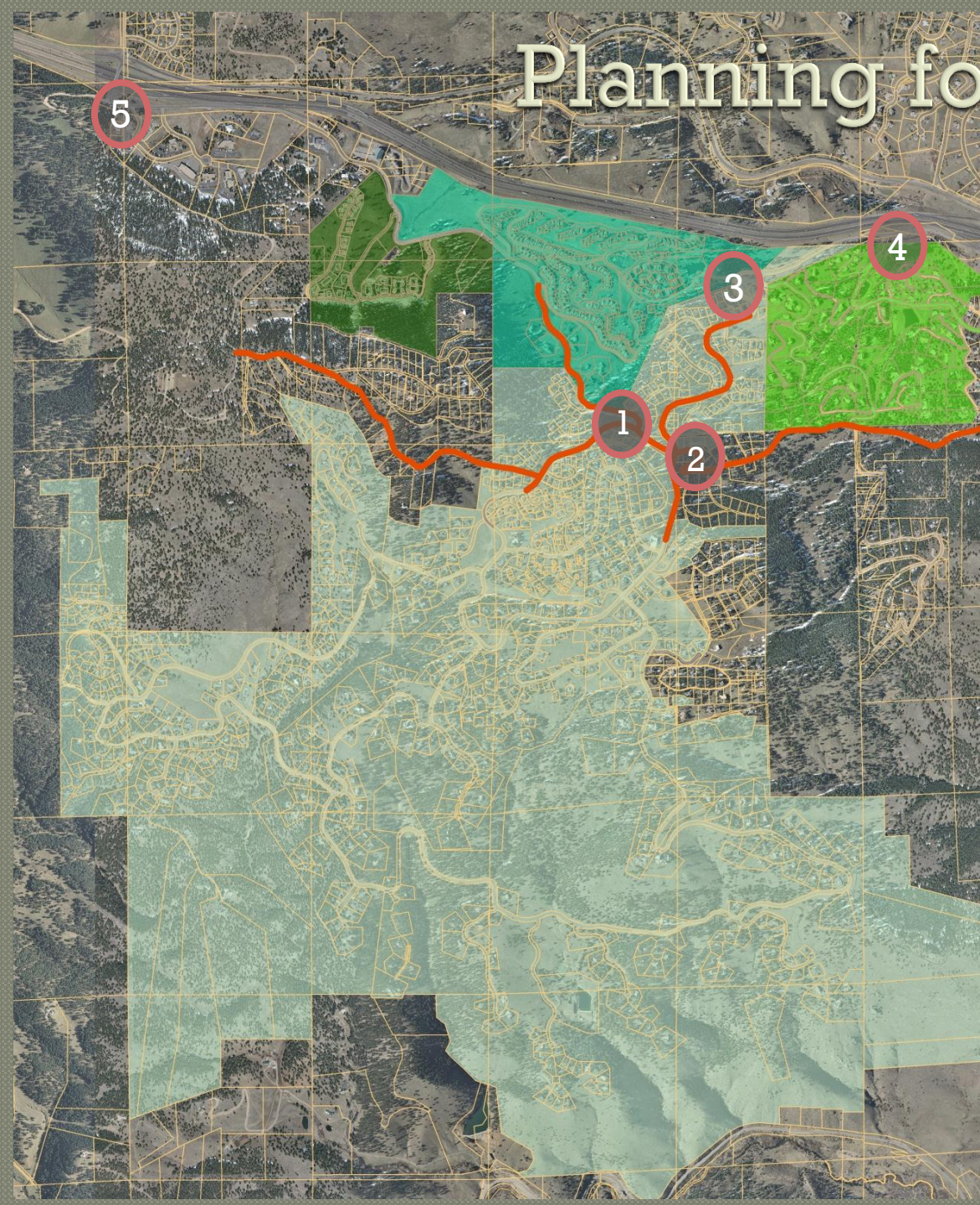
Planning for Evacuation Design



Planning for Evacuation Design



Planning for Evacuation Design



Planning for Evacuation Code Red Test

Smart911 & CodeRED

Smart911

- Used when **YOU** call 911
- Tells dispatch important information allowing first responders to assist you faster & more effectively
- Register & let us know important information for use in **Your** emergency call

CodeRED

- **WE** use to notify you about emergencies in your area
- Register multiple devices to get notified the fastest
- Your Smart911 information is **NOT** integrated with CodeRED

www.JeffcoSheriff.com

Systems Are Not Integrated
Register Your Information with Both



Planning for Evacuation Code Red Test

◉ Code Red Education

- Next generation of reverse 911
- Levels 1, 2, 3 or Ready, Set, Go

Level 1 – Be Ready

incident in the area

Level 2 – Leave Soon

Notification of full evacuation

Level 3 – Leave immediately

There is immediate imminent danger, do not delay,
leave immediately

Planning for Evacuation

Citizen Preparedness

Set

- Take a deep breath & remember your plan.

Life safety always takes priority over property.

- Face your car toward the street & close all windows. Keep the keys handy.
- Load your 5P's & 72-Hour Kit* into the car.
- Wear protective clothing made of natural fabrics
 - Heavy denim, cotton, & pure wool to shield you from heat, embers and flames.

Make a List of Your 5P's

- People
- Pets
- Pills
- Photos
- Important Papers

Planning for Evacuation

Citizen Preparedness

Set

- Wear sturdy shoes, a long-sleeved shirt tucked into pants, hat, & a handkerchief.
- Have thick canvas or leather gloves, & light-colored goggles on ready.
- As you leave (**If You Have Time**), post a visible form of notification that identifies that you have evacuated.
 - Hang a white cloth at the end of your driveway.
 - Pillowcase, t-shirt, or towel work well.
 - Write “EVACUATED” on it.
 - DO NOT POST A WHITE CLOTH FOR THE DRILL!

Planning for Evacuation

Citizen Preparedness

GO! - Early

ONLY IF THERE IS TIME - PREPARE YOUR HOME

- Close all windows & doors (inside and outside).
- Close window blinds. Remove curtains from windows.
- Shut off natural gas & propane.
- Place metal (not wooden) ladder against side of house.
- Leave exterior & interior lights on.
- Remove combustibles within 30 feet of your home.
 - Patio furniture, Firewood, etc.
- If you have sprinklers, put them around your home, connected & ready to be turned on.

Planning for Evacuation

Citizen Preparedness

GO!

- Tune into a local news radio station & listen for instructions.

Check for emergency updates from the
Jefferson County Sheriff's Office
<http://jeffcosherriff.blogspot.com>

- Obey orders of law enforcement & fire department officials.
- Follow evacuation routes.

Your normal route may not be the safest.

Planning for Evacuation

Citizen Preparedness

GO!

- Drive with your headlights on.
- Do not block access to roadways.
- Do not abandon vehicles on the roadway.
- Do not stop to let pets have a break.

**Drive Calmly, Obey the Rules of the Road.
Pay Special Attention to Emergency Vehicles.**

Planning for Evacuation

Citizen Preparedness

Don't Wait

When in doubt, get out!

In some cases, there is no time for formal evacuation notification due to quickly changing conditions.

You may need to make this decision yourself.

Planning for Evacuation

Citizen Preparedness

- Resident pre-event concerns
 - Looting
 - Scheduling conflicts & traffic jams
 - 9 Health Fair
 - Where to go afterward

Planning for Evacuation Emergency Services

- Multi Agency ICS / wildland fire exercise
 - Genesee Fire
 - Foothills Fire
 - Highland Rescue
 - Colorado State Patrol
 - Jeffco Sheriff / OEM
 - Roles in planning

Planning for Evacuation Emergency Services

INCIDENT OBJECTIVES	1. Incident Name Evac Fire	2. Date 4/13/2013	3. Time 0700
	4. Operational Period 2nd		
5. General Control Objectives for the Incident (include alternatives) Management Objectives : 1. Provide for firefighter and resident safety during evacuation drill 2. Provide fire district ICS and field training for GFR and FFR 3. Cross pollinate fire personell and equipment to increase district familiarity 4. Provide support to JCSO during district evacuation drill Operational Objectives : 1. Disperse personnell and equipment throughout FFR and GFR districts to provide real event emergency response during evacuation drill 2. Provide spot fire patrol for simulated wildfire approaching from the SW 3. Create ICS structure and ground ops to achieve training objectives listed above 4. Create oportunities for visability of fire personnell and equipment for district PR purposes			
6. Weather Forecast for Period			
7. General Safety Message 1. All personnell shall observe real incident safety guidelines during the entire exercise (LCES). 2. Fire equipment shall only run lights and/or sirens during response to a real emergency during the exercise 3. Heavy traffic likely during entire exercise, please use extreme caution while on patrol. 4. Please adhere to established comms plan for the exercise.			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input type="checkbox"/> (Other)	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input type="checkbox"/>	

ORGANIZATION ASSIGNMENT LIST		9. Operations Section	
1. Incident Name Evac Fire		Op's Chief Puffett	
2. Date 4/13/2013		Deputy	
3. Time 0700		a. Branch I	
4. Operational Period 2nd		Branch Director	
Position	Name	Deputy	
		Division/Group	A-South Beesley
5. Incident Commander and Command Staff		Division/Group	B-North Difeo
Incident Commander	Vaughn	Division/Group	
Deputy	Easterling	Division/Group	
Safety Officer	Mefford/Zier	Staging Area	
Information Officer			
Liaison Officer	Babbs	b. Branch II	
6. Agency Representative		Branch Director	Davidson
Agency	Name	Deputy	
JCSO	L. Jim Lucas	Division/Group	Medical Davidson
Genesee Foundation	Ed Westergard	Division/Group	
		Division/Group	
		Division/Group	
		Staging Area	
		c. Branch III	
7. Planning/Intelligence Section		Branch Director	
Plans/Intel Chief	Babbs	Deputy	
Deputy	Pine	Division/Group	
Resources Unit	Pine	Division/Group	
Situation Unit		Division/Group	
Documentation Unit		Division/Group	
Demobilization Unit		Division/Group	
Technical Specialists		d. Air Operations Branch	
Human Resources		Air Operations Branch Director	
Training		Air Tactical Supervisor	
GIS		Air Support Supervisor	
		Helicopter Coordinator	
		Air Tanker Coordinator	
		10. Finance/Administration Section	
8. Logistics Section		Finance/Admin. Chief	
Logistics Chief		Deputy	
Deputy		Time Unit	
Supply Unit		Procurement Unit	
Facilities Unit		Compensation/Claims Unit	
Ground Support Unit		Cost Unit	
Communications Unit		Prepared by (Resource Unit Leader)	
Medical Unit			
Food Unit			

Planning for Evacuation Emergency Services

ICS 215A

Incident Action Plan Safety Analysis

Purpose. The purpose of the Incident Action Plan Safety Analysis (ICS 215A) is to aid the Safety Officer in completing an operational risk assessment to prioritize hazards, safety, and health issues, and to develop appropriate controls. This worksheet addresses communications challenges between planning and operations, and is best utilized in the planning phase and for Operations Section briefings.

Preparation. The ICS 215A is typically prepared by the Safety Officer during the incident action planning cycle. When the Operations Section Chief is preparing for the tactics meeting, the Safety Officer collaborates with the Operations Section Chief to complete the Incident Action Plan Safety Analysis. This worksheet is closely linked to the Operational Planning Worksheet (ICS 215). Incident areas or regions are listed along with associated hazards and risks. For those assignments involving risks and hazards, mitigations or controls should be developed to safeguard responders, and appropriate incident personnel should be briefed on the hazards, mitigations, and related measures. Use additional sheets as needed.

Distribution. When the safety analysis is completed, the form is distributed to the Resources Unit to help prepare the Operations Section briefing. All completed original forms must be given to the Documentation Unit.

Notes:

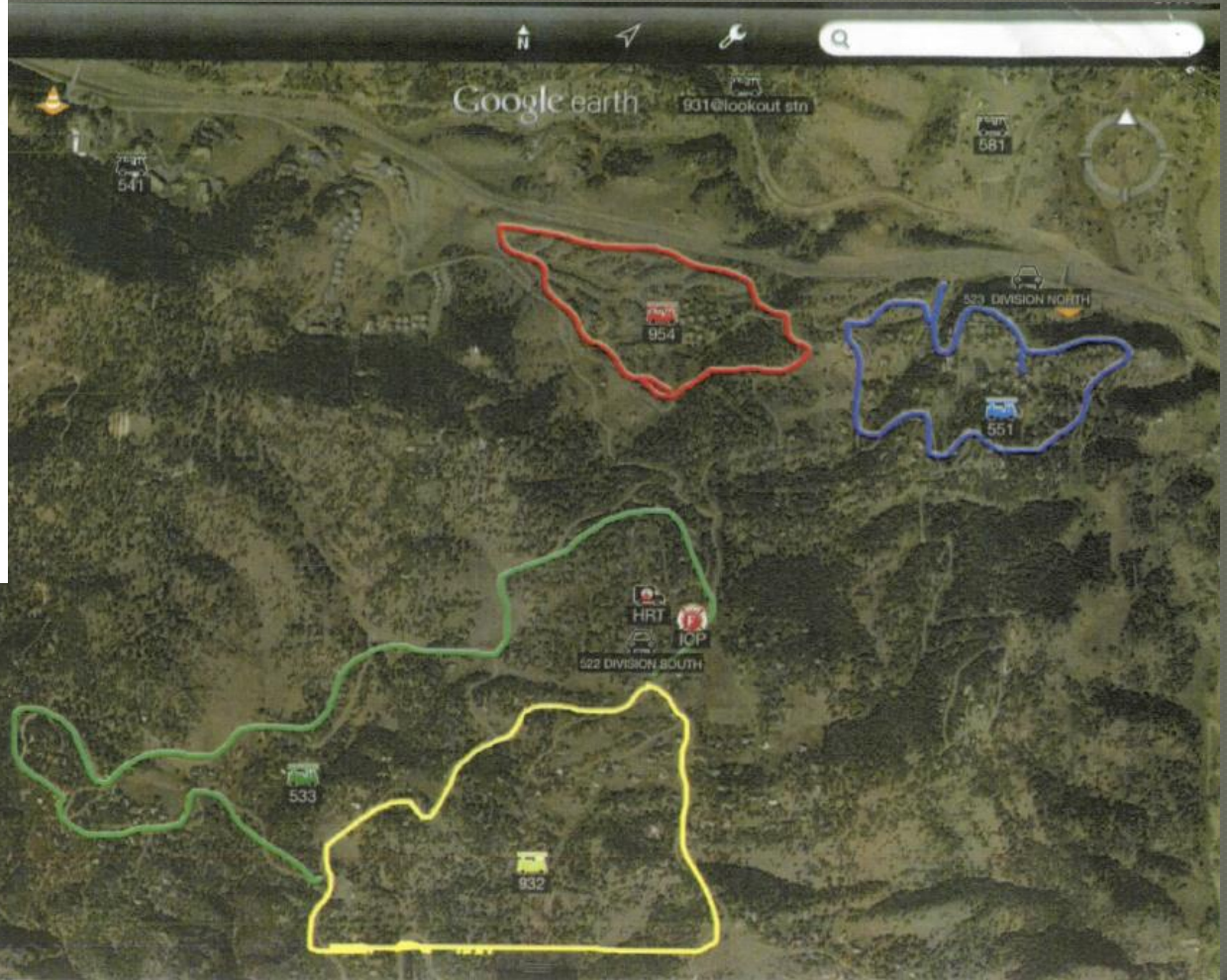
- This worksheet can be made into a wall mount, and can be part of the IAP.
- If additional pages are needed, use a blank ICS 215A and repaginate as needed.

Block Number	Block Title	Instructions
1	Incident Name	Enter the name assigned to the incident.
2	Incident Number	Enter the number assigned to the incident.
3	Date/Time Prepared	Enter date (month/day/year) and time (using the 24-hour clock) prepared.
4	Operational Period • Date and Time From • Date and Time To	Enter the start date (month/day/year) and time (24-hour clock) and end date and time for the operational period to which the form applies.
5	Incident Area	Enter the incident areas where personnel or resources are likely to encounter risks. This may be specified as a Branch, Division, or Group.
6	Hazards/Risks	List the types of hazards and/or risks likely to be encountered by personnel or resources at the incident area relevant to the work assignment.
7	Mitigations	List actions taken to reduce risk for each hazard indicated (e.g., specify personal protective equipment or use of a buddy system or escape routes).
8	Prepared by (Safety Officer and Operations Section Chief) • Name • Signature • Date/Time	Enter the name of both the Safety Officer and the Operations Section Chief, who should collaborate on form preparation. Enter date (month/day/year) and time (24-hour clock) reviewed.

MEDICAL PLAN	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD					
	Evac Fire	4.13.13	0700	0900-1200					
5. INCIDENT MEDICAL AID STATION									
MEDICAL AID STATIONS		LOCATION					PARA MEDICS?		
Genesee Fire		Genesee Fire Station 1					<input checked="" type="checkbox"/>		
							<input type="checkbox"/>		
							<input type="checkbox"/>		
							<input type="checkbox"/>		
							<input type="checkbox"/>		
6. TRANSPORTATION									
A. AMBULANCE SERVICES									
NAME		ADDRESS		PHONE		PARA MEDICS?			
HRT				303-526-9571		<input checked="" type="checkbox"/>			
						<input type="checkbox"/>			
						<input type="checkbox"/>			
						<input type="checkbox"/>			
						<input type="checkbox"/>			
B. INCIDENT AMBULANCES									
NAME		LOCATION					PARA MEDICS?		
HRT 289		Genesee Fire Station 1					<input checked="" type="checkbox"/>		
HRT 287		Rockland Church					<input checked="" type="checkbox"/>		
HRT 288		Rockland Church					<input checked="" type="checkbox"/>		
EFR		Evergreen Station 2					<input checked="" type="checkbox"/>		
7. HOSPITALS									
NAME		ADDRESS		PHONE		TRAVEL TIME	TRAUMA CENTER?	HELIPAD ?	BURN CENTER?
St Anthony's Hospital						12min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lutheran Medical Center						18min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Swedish Medical Center						25min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. MEDICAL EMERGENCY PROCEDURES									
Any emergency will be toned by normal protocol and resources will be assigned and dispatched by incident operations. HRT 289 will be stationed at GFR station 1 and will respond to any calls within the evacuation area. HRT 287 and 288 will respond to any district calls outside the evacuation area.									

Planning for Evacuation Emergency Services

CO2216-132200- JEFFERSON AND WEST DOUGLAS COUNTIES ABOVE 6000 FEET/GILPIN/CLEAR CREEK/NORTHEAST PARK COUNTIES BELOW 9000 FEET- INCLUDING BAILEY..CENTRAL CITY..EVERGREEN..GEORGETOWN..LEANS SPRINGS..NORTHERN RAMPART RANGE..TARRYALL..WESTCREEK 424 AM SAT APR 13 2013 . TODAY... SKY/WEATHER.....PARTLY CLOUDY(40-50%). MAX TEMPERATURE.....55-65. 24 HR TREN.....7-10 DEGREES WARMER. MIN HUMIDITY.....15-23%. 24 HR TREN.....4-7% DRAK. 20-FOOT WINDS..... VALLEYS/LWR SLOPES...SOUTHWEST 9-15 MPH INCREASING TO 15-25 MPH WITH GUSTS TO 40 MPH IN THE AFTERNOON. RIDGES/UPR SLOPES...SOUTHWEST 15-25 MPH. GUSTS UP TO 30 MPH INCREASING TO 45 MPH IN THE AFTERNOON. HAINES 10K FT FREE WINDS...WEST 35-45 MPH. MIXING HEIGHT.....BELOW 1000 FT AGL UNTIL 0700. 13500-14500 FT AGL AFTER 1200. TRANSPORT WINDS...SOUTHWEST 20-25 MPH UNTIL 0800. WEST AROUND 40 MPH AFTER 1700. SMOKE DISPERSAL.....POOR UNTIL 0800...THEN VERY GOOD UNTIL 1000... THEN EXCELLENT. .TONIGHT... SKY/WEATHER.....MOSTLY CLOUDY. CHANCE OF RAIN SHOWERS UNTIL 2400. .THEN CHANCE OF RAIN AND SNOW. MIN TEMPERATURE.....27-35. 24 HR TREN.....2-4 DEGREES WARMER. MAX HUMIDITY.....73-93%. 24 HR TREN.....2-4% WETTER. 20-FOOT WINDS..... VALLEYS/LWR SLOPES...WEST 12-18 MPH. GUSTS UP TO 40 MPH DECREASING TO 25 MPH AFTER MIDNIGHT. RIDGES/UPR SLOPES...WEST 14-24 MPH WITH GUSTS TO 45 MPH. HAINES 10K FT FREE WINDS...WEST 60-70 MPH. MIXING HEIGHT.....2500-3500 FT AGL. TRANSPORT WINDS...WEST 35-40 MPH UNTIL 2100...THEN 25-30 MPH UNTIL 0100...THEN NORTHWEST 15-20 MPH UNTIL 0500...THEN NORTH AROUND 10 MPH. SMOKE DISPERSAL.....EXCELLENT UNTIL 1900. POOR AFTER 0100. .SUNDAY... SKY/WEATHER.....MOSTLY CLOUDY. CHANCE OF SNOW SHOWERS UNTIL 1200...THEN SLIGHT CHANCE OF RAIN SHOWERS. MAX TEMPERATURE.....42-52. 24 HR TREN.....10-15 DEGREES COOLER. MIN HUMIDITY.....31-39%. 24 HR TREN.....15-20% WETTER. 20-FOOT WINDS..... VALLEYS/LWR SLOPES...UPSLOPE/UPVALLEY 4-10 MPH BECOMING WEST 14-24 MPH WITH GUSTS TO 35 MPH IN THE AFTERNOON. RIDGES/UPR SLOPES...UPSLOPE/UPVALLEY 4-10 MPH BECOMING WEST 15-25 MPH WITH GUSTS TO 35 MPH IN THE AFTERNOON. HAINES 10K FT FREE WINDS...WEST 70-80 MPH. MIXING HEIGHT.....9500-10500 FT AGL. TRANSPORT WINDS...NORTHEAST AROUND 10 MPH UNTIL 0700...THEN SOUTHWEST UNTIL 1000...THEN WEST 25-30 MPH UNTIL 1200...THEN 35-40 MPH UNTIL 1500...THEN 40-50 MPH. SMOKE DISPERSAL.....POOR UNTIL 0900...THEN GOOD UNTIL 1000...THEN EXCELLENT. .SUNDAY NIGHT...CLOUDY. CHANCE OF SNOW AND SLIGHT CHANCE OF RAIN SHOWERS. LWS IN THE UPPER 20S. TYPICAL SLOPE/VALLEY WINDS LESS THAN 10 MPH. .MONDAY...CLOUDY. CHANCE OF SNOW. HIGHS IN THE UPPER 30S. TYPICAL SLOPE/VALLEY WINDS LESS THAN 10 MPH. .TUESDAY...COLDER. SNOW LIKELY. LWS IN THE LOWER 20S. HIGHS IN THE LOWER 30S. TYPICAL SLOPE/VALLEY WINDS LESS THAN 10 MPH. .WEDNESDAY...CLOUDY. CHANCE OF SNOW. LWS AROUND 18. HIGHS IN THE MID 20S. TYPICAL SLOPE/VALLEY WINDS LESS THAN 10 MPH. \$\$



<http://wildfire.blog.nfpa.org/2013/04/recognized-firewise-community-participate-in-live-evacuation-drill.html>

04/15/2013

Recognized Firewise Community participates in live evacuation drill



04/15/2013

Recognized Firewise Community participates in live evacuation drill

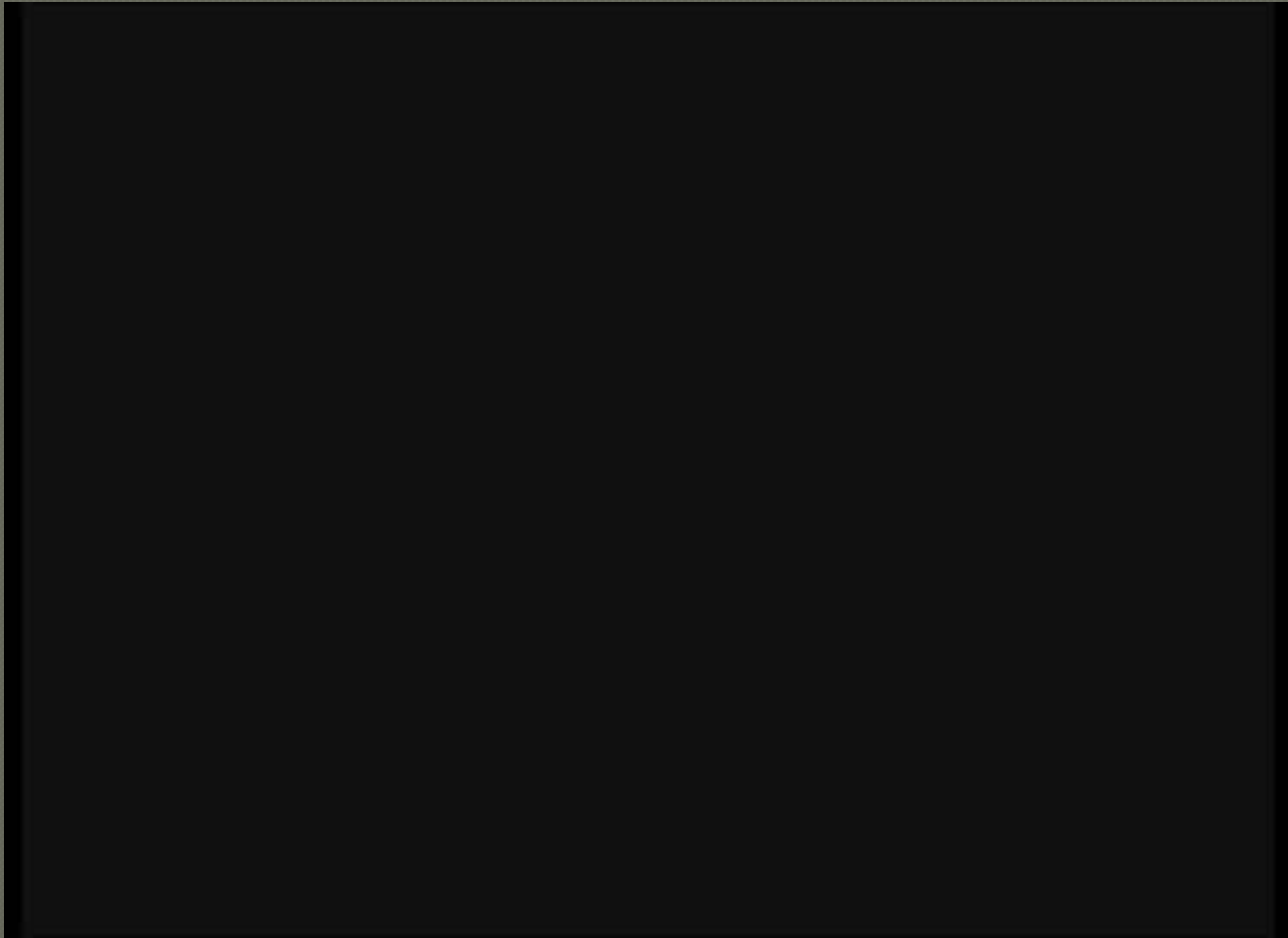
This past Saturday, the Genesee Foundation, a [Firewise Communities/USA](#) site located in [Jefferson County, CO](#), participated in a Level 3 Evacuation Drill. The drill was an opportunity for residents and emergency responders to practice a simulated wildland fire evacuation.

Residents in wildland/urban interface areas know that in addition to implementing [Firewise principles](#) to mitigate the risk around their homes, there's additional steps that need to be taken to proactively prepare for a wildfire, and planning and practicing their evacuation plan and routes is one of those important steps. Unfortunately, I think it can easily be said that this piece of the planning process is under practiced and most homeowners never get an opportunity to actually participate in a live drill with emergency responders. But this past weekend, the more than 1,500 homes that comprise the neighborhoods of the Genesee Foundation, the Genesee Village HOA, Riva Chase HOA and Chimney Creek HOA, had that opportunity during a live drill coordinated by the Jefferson County Sheriff's Office. In addition to the sheriff's office, the Colorado State Patrol, Genesee Fire Department, Foothills Fire Department and the Highland Rescue Team also participated.

During the week prior to the drill, signage was placed throughout the neighborhood to encourage participation and alert residents of the upcoming activity. Residents were also invited to attend an informational meeting where they received information on the process and how to build an [emergency preparedness kit](#). At approximately 9am, on the morning of the drill, pre-registered participants received an [emergency notification](#) simulating an approaching wildfire. Residents were given instructions to evacuate, and as each exited the designated checkpoint they were asked to remain out of the area for 30 to 60 additional minutes prior to returning home.

In addition to the benefit of getting the practical experience, the drill will be analyzed and will provide important data on how citizens received the message, the time it took them to leave both their home and the corresponding geographic area after receiving the notification, and the traffic volume.

Planning for Evacuation



Planning for Evacuation Evacuation Day





Flag of Heroes.
This flag stands for heroes of the emergency services personnel who give
their lives to save others in the American state of N.Y.
and their families will appreciate their sacrifices.
We shall never forget them.

Level 3 Evacuation















548-PKR

SPEED
LIMIT
30

SHERIFF



SPE
LIN
3

548-PKP







STOP





CHALK
POINT 3
SLOW









SPEED
LIMIT
25

FMC







FIRE EXTINGUISHER INSIDE













Don't let the Wildland Ur...
change your Situations



Should you be here?

is more important
any structure



MEDICAL

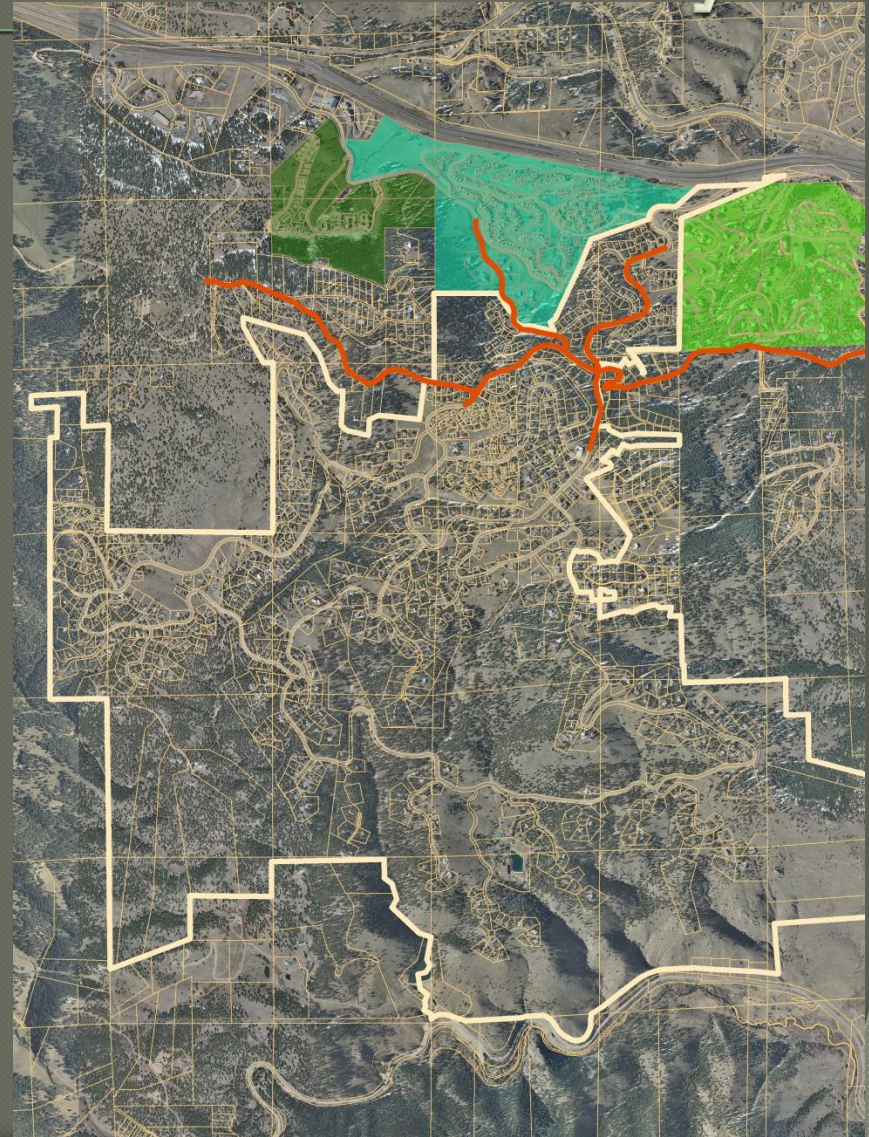




Planning for Evacuation Results & Takeaways

○ Participation

- 400 participated (of 1500)
- Approximately 150 cars left $\frac{1}{2}$ hour prior to the notification
- 12 houses on border of the community did not receive notification



Planning for Evacuation Results & Takeaways

◉ Code Red System

- Performed well, text messages and email sent within 1 minute
- 2909 phone calls were made in just over 7 minutes
- Completion rate exceeded 74%
- 26% of calls that did not complete in first several attempts were due to fax machine, caller ID blocks, no answers, “operator intercept” (# not in service or disconnected)

Planning for Evacuation

Results

● The Evacuation

- Overall, rapid notification with 87% of participants safely evacuated within 30 minutes.
- Those taking longer than 30 minutes were instances of folks intentionally delaying evacuation after receiving notification.
- Traffic flowed, no significant issues, General impression was that the evacuation could accommodate 1500 residents as designed.
- 150 cars left $\frac{1}{2}$ prior to notification
- Backups near highway exits were mostly due to data collection sites
- Intersections were manned with deputies to direct traffic

Planning for Evacuation Takeaways - Jeffco

- Receiving multiple methods of communication is crucial. Cells phone, text message, email alerts were received 8-10 minutes prior to land lines
- Solicitor blocking on phone line will prevent you from receiving phone notification. Don't use this
- Share opt in information with friends, family and neighbors. (and keep them up to date)
- 42 % of participants took longer than 5 minutes to evacuate

Planning for Evacuation

Takeaways – Citizen Action Items

- Level 3 evacuation, all residents should leave within 5 minutes of notification.

Be organized, be prepared and have a plan
72 hour kit

- Solicitor blocking on phone line should be reevaluated
- Continue messaging to residents to opt in for additional notification methods
- Watch social media outlets in an actual event
- Stay connected, and “when in doubt, get out”

Planning for Evacuation Takeaways – Fire Services

- Unified command structure worked well
- Mock fire patrol and structure protection crews would need additional support in a real event
- Consider mutual aid and resource needs

Planning for Evacuation

Takeaways – Resident Feedback

- Mostly positive feedback
- Request to RSVP to participate confusing
- Slowest portion of the data collection was writing comments
- Residents didn't know what to do after going through the last checkpoints
- It was difficult (dangerous) to record time and drive while going through checkpoints
- Some residents didn't get notified

Planning for Evacuation

Discussion / Opinion

- Takeaways were only distributed with a single page flyer
- Intersection management, will a deputy be there? What will the actual emergency response look like?
- How did this get started? What was the objective for the exercise?
- Is this a one time exercise? Should it be?
- Evaluation of secondary egress routes. Cost, design, ownership, maintenance, liability?
- Who owns evacuation?
 - Sheriff, fire, citizen, community...
- What has happened in historical evacuations, have we learned anything?
- Are we ready? Are our emergency plans designed for emergency personnel or for the homeowner?