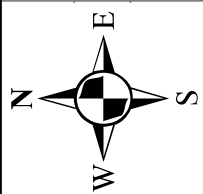
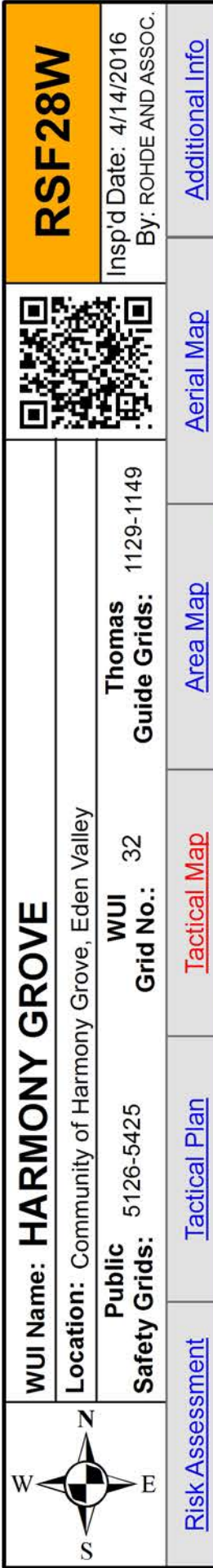


N S W E WUI Name: HARMONY GROVE Location: Community of Harmony Grove, Eden Valley Public 5126-5425 WUI 32 Grid No.: Thomas 1129-1149 Safety Grids: Insp'd Date: 4/14/2016 By: ROHDE AND ASSOC.			RSF28W		
<					

		WUI Name: HARMONY GROVE				RSF28W	
Location: Community of Harmony Grove, Eden Valley						Insp'd Date: 4/14/2016 By: ROHDE AND ASSOC	
Public Safety Grids: 5126-5425		WUI Grid No.: 32		Thomas 1129-1149 Guide Grids:			
Risk Assessment		Tactical Plan		Area Map		Additional Info	
RECOMMENDED STRATEGIES & TACTICS (FIRESCOPE/PACE)							
Primary Plan (Offensive) Offensive and aggressive attack on flanks, with aircraft holding fire on ridges above and away from structures. Limited evacuation of fire perimeter homes. Evacuate homes in potential entrapment areas along Harmony Grove Rd. either East or West of Harmony Grove's newer tract homes, the Harmony Grove Spiritualist Camp, and the area up slope off Cordrey Rd. Crestwind Dr., and Wild Willow Rd. when threatened. (No safety zones in these areas!).		Alternate Plan (Offensive) Evacuate homes in potential entrapment areas very early. (Harmony Grove Rd. either East or West of Harmony Grove's newer tract homes, the Harmony Grove Spiritualist Camp, and the area up slope off Cordrey Rd. & upslope off Crestwind Dr.) Use caution when moving on canyon roads and watch for spotting along access roads in heavy fuels. Prep-and-defend newer tract homes & around rural homes with defensible space. Prep-and-go in entrapment areas if time, or conduct check-and-go of accessible properties. Fire-front-following in these areas once fire front has passed. Watch for spotting deep into tract homes.					
Contingency Plan (Defensive - Responder Safety) Firefighters and law enforcement seek temporary refuge around homes with good defensible space in new tract areas. Gather civilians trapped in plan area with you. Use extreme caution in potential entrapment areas and conduct check-and-go's if time, otherwise fire-front-follow. Use Country Club Dr. northbound as primary escape route, or Harmony Grove Village Pkwy. east bound if not blocked by fire near Escondido Creek. Most isolated structures may not be defensible or accessible during extreme fires in tract developments. Watch for spotting deep into tract developments.		Emergency Plan (Defensive) Do not attempt to access properties or evacuate civilians when travel requires crossing through heavy fuels. Conduct check-and-go for all accessible properties. Stage civilian evacuees in large housing tract if unsafe to travel and protect-in-place. Move from completed structural defense locations to new sites that offer good defensible space and firefighter safety. Prioritize evacuation over fire control. Be vigilant for long-range spotting that may spread fire from planning area or compromise escape. Be vigilant for development of fire whirls or other extreme fire behavior that may compromise safety.					
Perimeter Control Plan: Use 3 blade wide old Cocos Fire dozer line (crosses Mt. Whitney) & burn area to hold ridge between Harmony Grove and San Marcos. (1 mi., 2 D6 dozers+2 crews-2 hrs to reopen). Establish new dozer line from Harmony Grove S/W to Del Dios Hwy. along truck trail if appropriate (1.1 mi., 2 D6 dozers+2 crews-2 hrs). Hold Country Club Dr. N/O Harmony Grove. Extensive crew work may be required in steep, heavily fueled terrain. Fireline construction may not be safe until fire behavior abates. Firing operations with IC or OPSC approval only.							
EVACUATION PLAN							
Primary Evacuation Plan Activate "Alert SD". Evacuate to urban area in Escondido. Do not use dirt roads/truck trails for evacuation! Move north via Country Club Dr. as the primary route, or east via Harmony Grove Village Pkwy. (only if fire is not in Escondido Creek threatening this route). Do not use Harmony Grove Rd. either east or west of Harmony Grove unless certain it will not be compromised by fire. Evac. Questhaven Resort, San Marcos for fires traveling Escondido Creek.							
Evacuation Trigger Point Evacuate all entrapment areas immediately for any Santa Ana wind driven fire escaping initial attack in Escondido east of Harmony Grove, or for onshore wind-driven fires moving west from Encinitas/Lone Jack, Elfin Forest, or approaching up Escondido Creek/San Elijo Canyon. Consider shelter-in-place in newer housing tracts if active fire threatens escape routes.							
Temp. Evacuation Assembly Points (Human & Animal) * North County Westfield Mall, 272 E Via Rancy Pkwy, Escondido *CSU San Marcos-333 Twin Oaks Valley Rd., San Marcos * Rancho Santa Fe Polo Club, 14555 El Camino Real, Rancho Santa Fe * San Marcos High School, 1615 W San Marcos Bl., San Marcos * Del Mar Fairgrounds (people & equestrians), 2260 Jimmy Durante Bl, Del Mar * Mission Hills HS, 1 Mission Hills Ct, San Marcos							
POPULATION & STRUCTURES AT-RISK				STRUCTURAL TRIAGE			
Population		2,087		Threatened/ Non-Defensible		15% Structures without defensible space	
Planning Unit Acreage		2,116 acres		Threatened/Defensible		85%	
Structures		735 homes		Non-Threatened		0%	
				W/ Defensible Space		75%	
EMERGENCY RESOURCE NEEDS - FIRST SIX HOURS (In addition to Initial Attack Resource)							
Fire NorthCom (858)756-3006 Ordering Point: FIRE MVU 619-401-7787/619-593-2271				CAL-SDCo. Sheriff (858) 565-5030 Ordering Point:			
Engines: The number range reflects the number of "minimum" to "preferred" resources.							
Strike Teams: 5-6		Type 3 Teams: 4-5		Water Tenders: 6			
Crews Single: 6-8 STs:		Dozers Single: 2-4 STs:		Overhead: 4-5 Div. Sup.: 3-4			
Aircraft:							
Type 1 Helicopter (Large): 1		Type 3 Helicopter (Light): 1					
Type 2 Helicopter (Med.): 3		Air Tankers: 2-4					
WUI Engine Deployment - High Risk 1 engine/2-4 perimeter structures, 1 engine/isolated structures, 2 engines/multi-family structures							
WUI Engine Deployment - Moderate Risk 1 engine/2-4 perimeter structures, 1 engine/isolated structure, 2 engines/multi-family structures							
WUI Engine Deployment - Low Risk 1 strike team/2 blocks of perimeter homes							
Other Notify public works to assist in traffic management, Red Cross and Animal Control to assist in evacuation. Consider San Marcos, Encinitas, Elfin Forest, Escondido, and San Diego City as Unified Command partners. The Elfin Forest Recreational Preserve controls 784 acres near Olivenhain Reservoir-contact to environmental resource advisor when fire threatens (760) 632-4212							

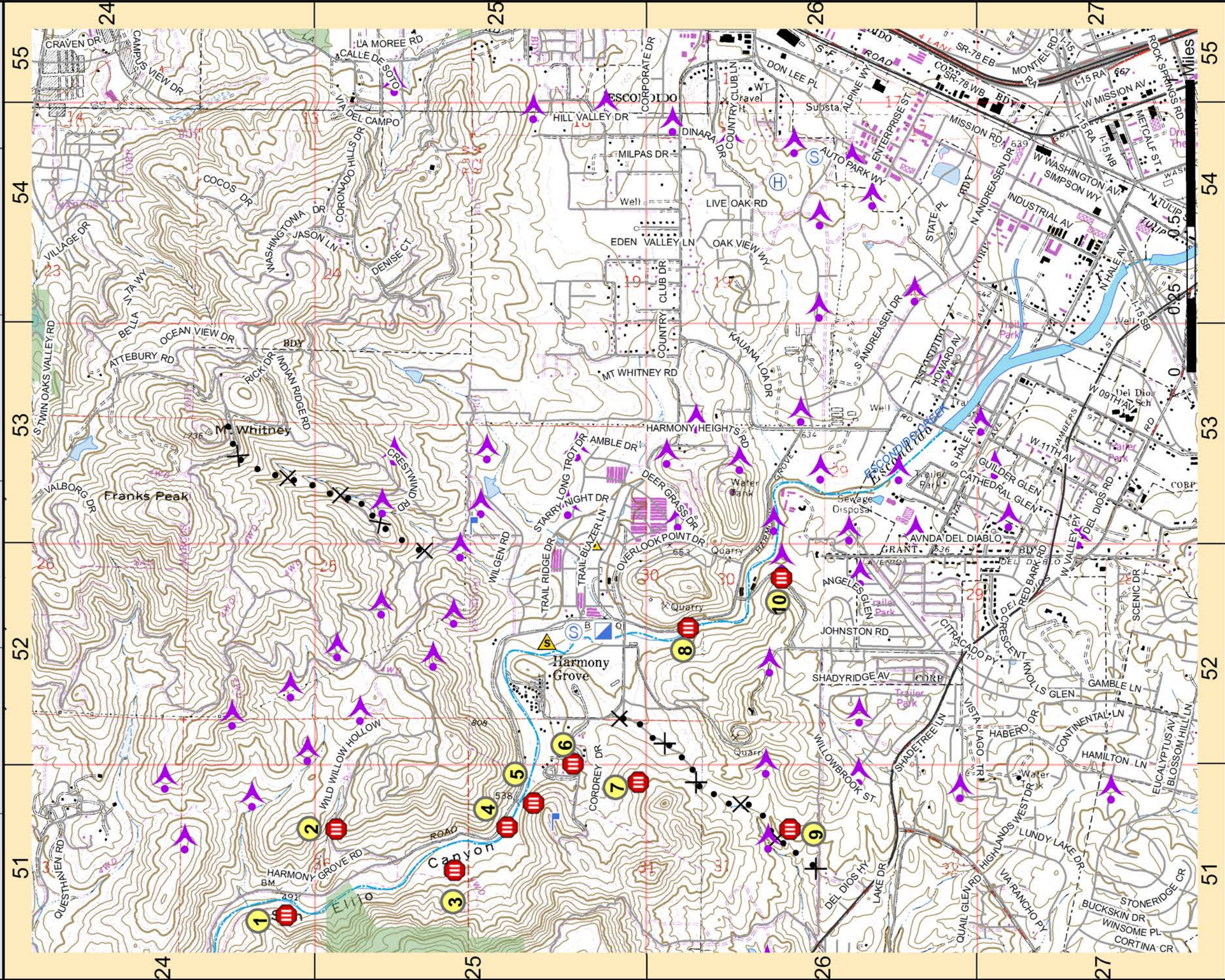


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Location: Community of Harmony Grove, Eden Valley	
Public Safety Grids:	WUI Grid No.:
5126-5425	32
Thomas Guide Grids:	
1129-1149	



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By: ROHDE AND ASSOC.

Aerial Map Additional Info



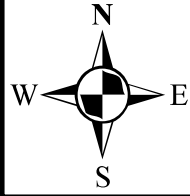
Legend

1. Erratic fire behavior
2. Choke Point
3. Erratic fire behavior
4. Narrow wood bridges
5. Heavy fuel
6. Choke Point
7. Heavy fuel
8. Choke Point
9. Erratic fire behavior
10. Choke Point

- | | | | |
|---|-----------------|---|----------------------|
|  | Access |  | Evaluation Direction |
|  | Aerial Hazard |  | Fire Station |
|  | Aerial Ignition |  | Hazmat |
|  | Drop Point |  | Helibase |

- | | |
|---|-----------------------|
|  | Incident Command Post |
|  | Life Safety Hazard |
|  | Lockout |
|  | Safety Zone |

-
- Legend:
- Staging Area (Blue circle with 'S')
 - Planned Fire Line (Black dashed line)
 - Temporary Assembly Point (Black circle with 'A')
 - Fuel Break (Orange solid line)
 - Evacuation Route - Primary (Green solid line)
 - Temporary Safe Refuge Area (Yellow rectangle with 'TSRA')
 - Proposed Power Line (Black line with cross-ticks)
 - Water Source (Blue circle with 'W')



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Location: Community of Harmony Grove, Eden Valley

**Public
Safety Grids:** 5126-5425

WUI
Grid No.:

Thomas
Guide Grids:
1129-1149



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Risk Assessment

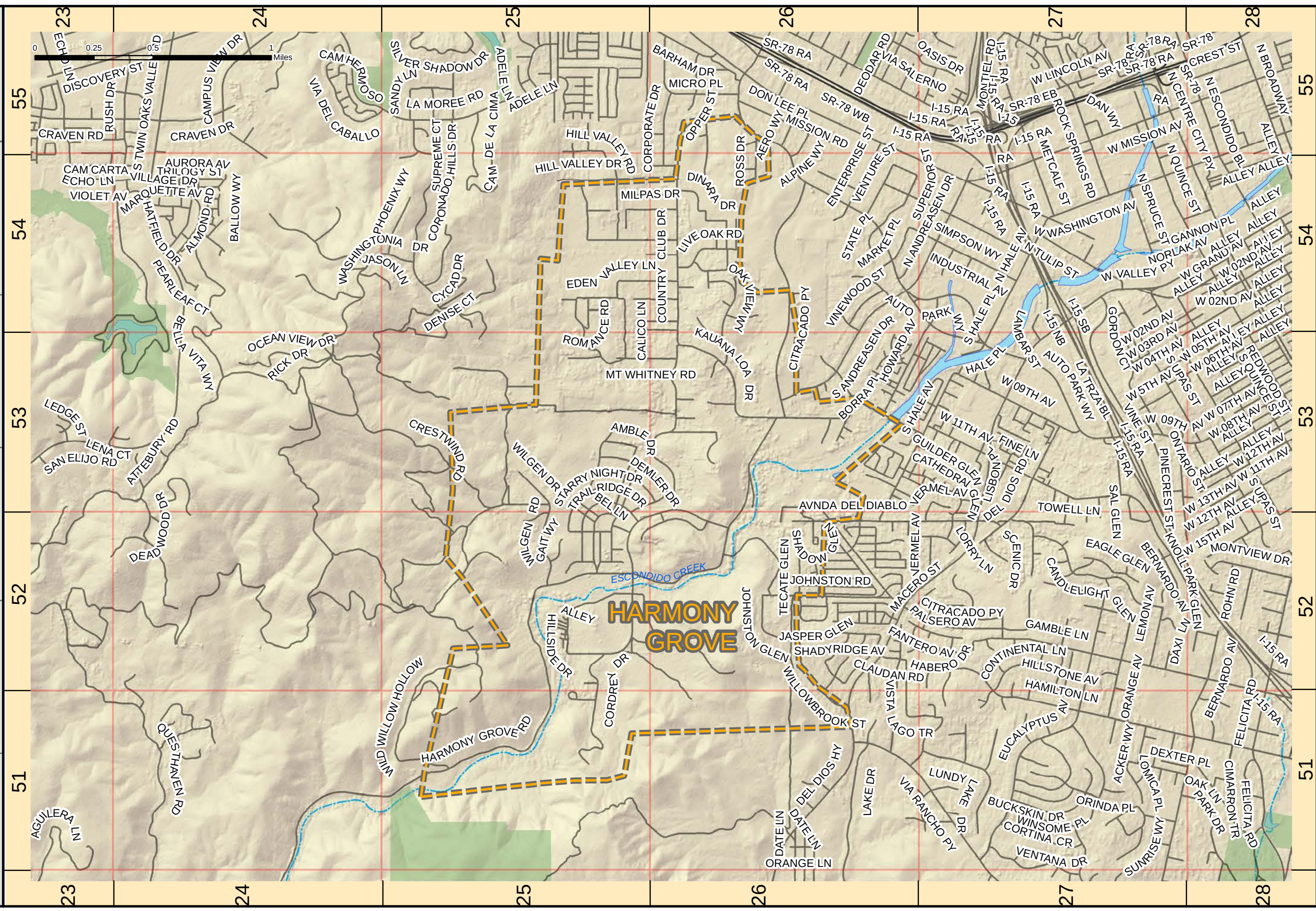
Tactical Plan

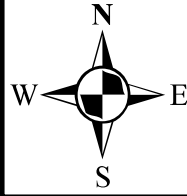
Tactical Map

Area Map

Aerial Map

Additional Info





WUI Name: HARMONY GROVE

Location: Community of Harmony Grove, Eden Valley

Public Safety Grids: 5126-5425

WUI
Grid No.:: 32

Thomas
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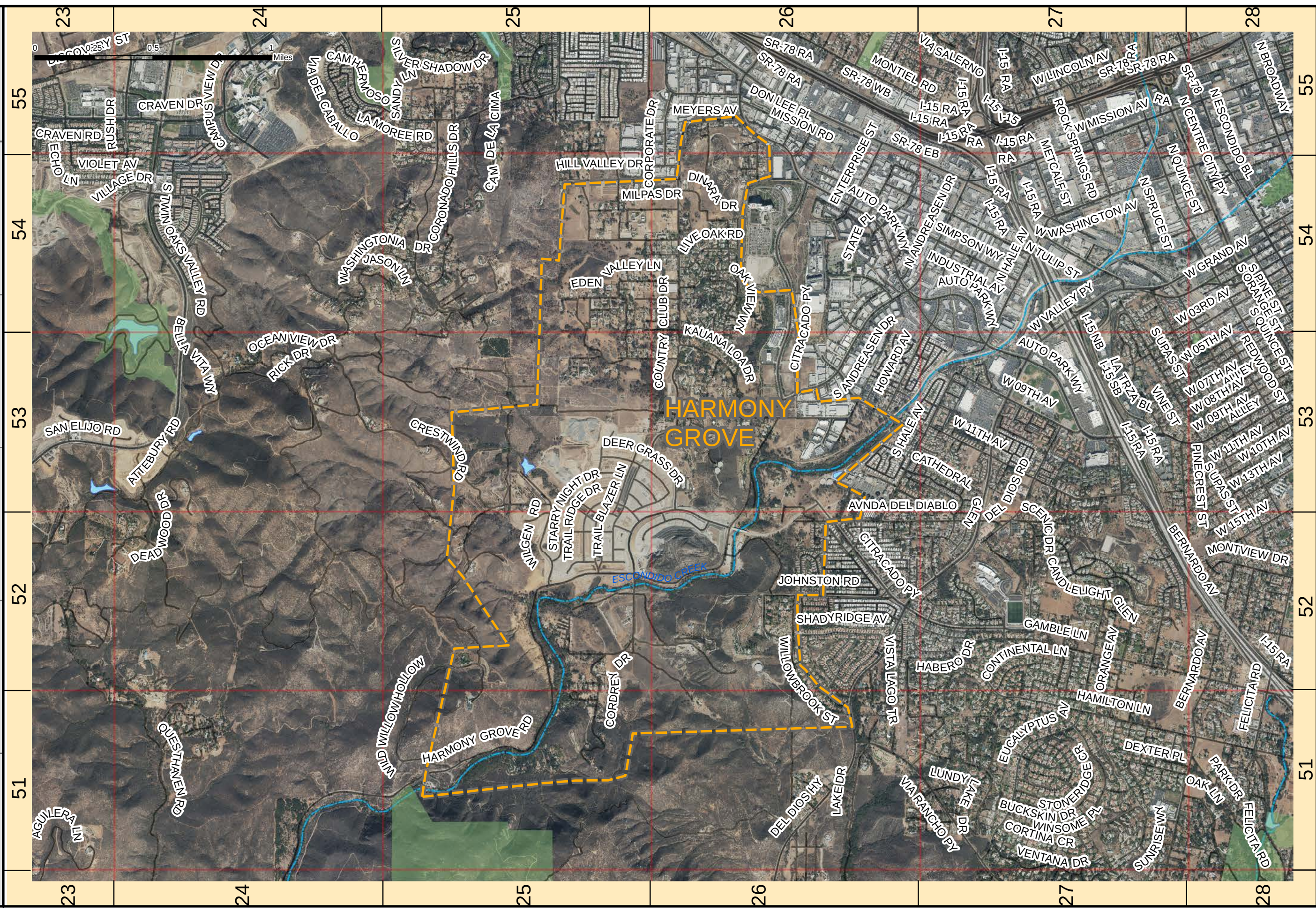
Risk Assessment

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WUI Name: **HARMONY GROVE**

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[Additional Info](#)

[Risk Assessment](#)

[Tactical Plan](#)

[Tactical Map](#)

[Area Map](#)

[Aerial Map](#)

Fire Trajectory

Harmony Grove-Onshore Forecast Fire Progression

 Fire Origin (Simulated)

 Major Paths

Arrival Time

1 hour

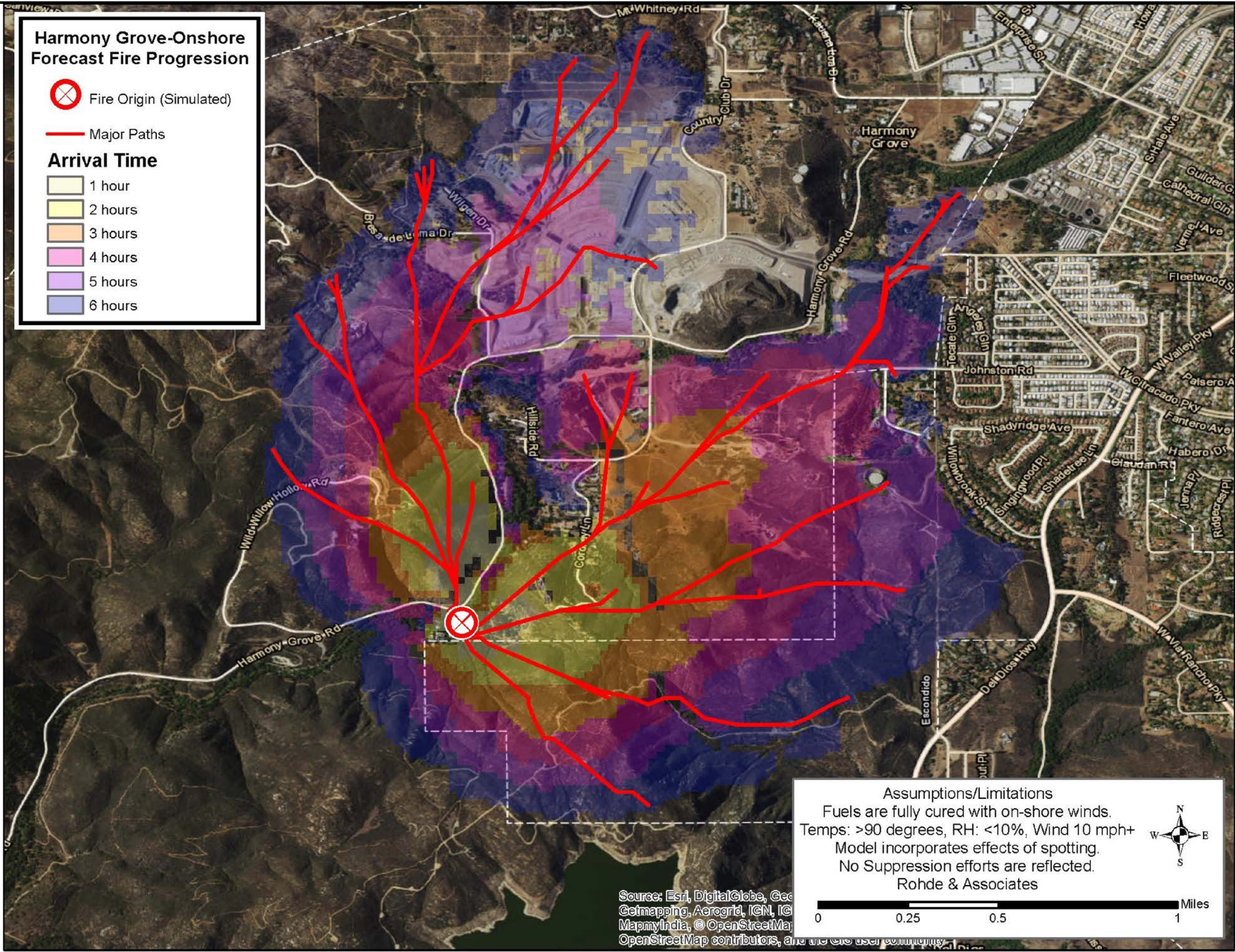
2 hours

3 hours

4 hours

5 hours

6 hours



Assumptions/Limitations

Fuels are fully cured with on-shore winds.

Temps: >90 degrees, RH: <10%, Wind 10 mph+

Model incorporates effects of spotting.

No Suppression efforts are reflected.

Rohde & Associates



0

0.25

0.5

1

Miles

Source: Esri, DigitalGlobe, GeoEye, IGN, Aerogrid, IGN, MapmyIndia, © OpenStreetMap contributors, and the GIS user community