

## APPENDIX J

### STEAMBOAT VALLEY DETAILED COMMUNITY ASSESSMENT RESULTS

Overall Risk Assessment: **High**

# Houses: 16

Description: Steamboat Valley is located directly north of Lyons, accessed via town streets. It is a broad valley but many of the houses are located up the steep sides of the valley walls. Several working and abandoned quarries are in the vicinity.

Average Lot Size: Mostly 5 acres, a few 35 Acres. Large number of undeveloped lots and makes overall density low, at 1 house per 27 acres.

Access Ingress/Egress, Response Time: Single point of access via 5<sup>th</sup> St through town. Steamboat Valley Road is a long, steep, narrow, somewhat rough, privately maintained road with few turnouts. The road is in several sections, with unmarked forks. Additionally, many houses have long, steep, narrow driveways and one house is not accessible by the fire engine. Access time averages 5-10 minutes from Station 1, but several houses are longer.

Predominant Fuel Model: Grass (fuel model 2), brush (fuel model 6), with some ponderosa, mostly open crown (fuel model 8).

Terrain/Topography: Average slope is 21%. Houses are predominantly located on steep slopes on the sides of the valley, with no setback.

Home Construction: Many new houses are built to modern codes. Only 1 wood shake roof. Wood siding is common, with many wood decks. About half of the homes have above ground propane tanks.

Defensible Space: Many homeowners have done a good job of mitigation in zone 1, but zones 2 and 3 are generally partial and need additional work.

Water Supply: Severely insufficient, only 1 cistern identified. There are no hydrants or pressurized sources. Water would have to be shuttled from the nearest hydrant at Vasquez Rd, and Steamboat Valley Road is not wide enough for fire vehicles to pass, slowing the process.

Special Hazards: 1 new bridge to newer home, need to check weight limit. 1 house not accessible by engine.

Issues:

Lack of turnarounds and pullouts for fire apparatus.

Unmarked forks in road are confusing.

Insufficient defensible space.

Recommendations:

Homeowners improve defensible space and Firewise maintenance.

Road work to improve access for fire apparatus, widen roads, create turnarounds and pullouts on roads and driveways.

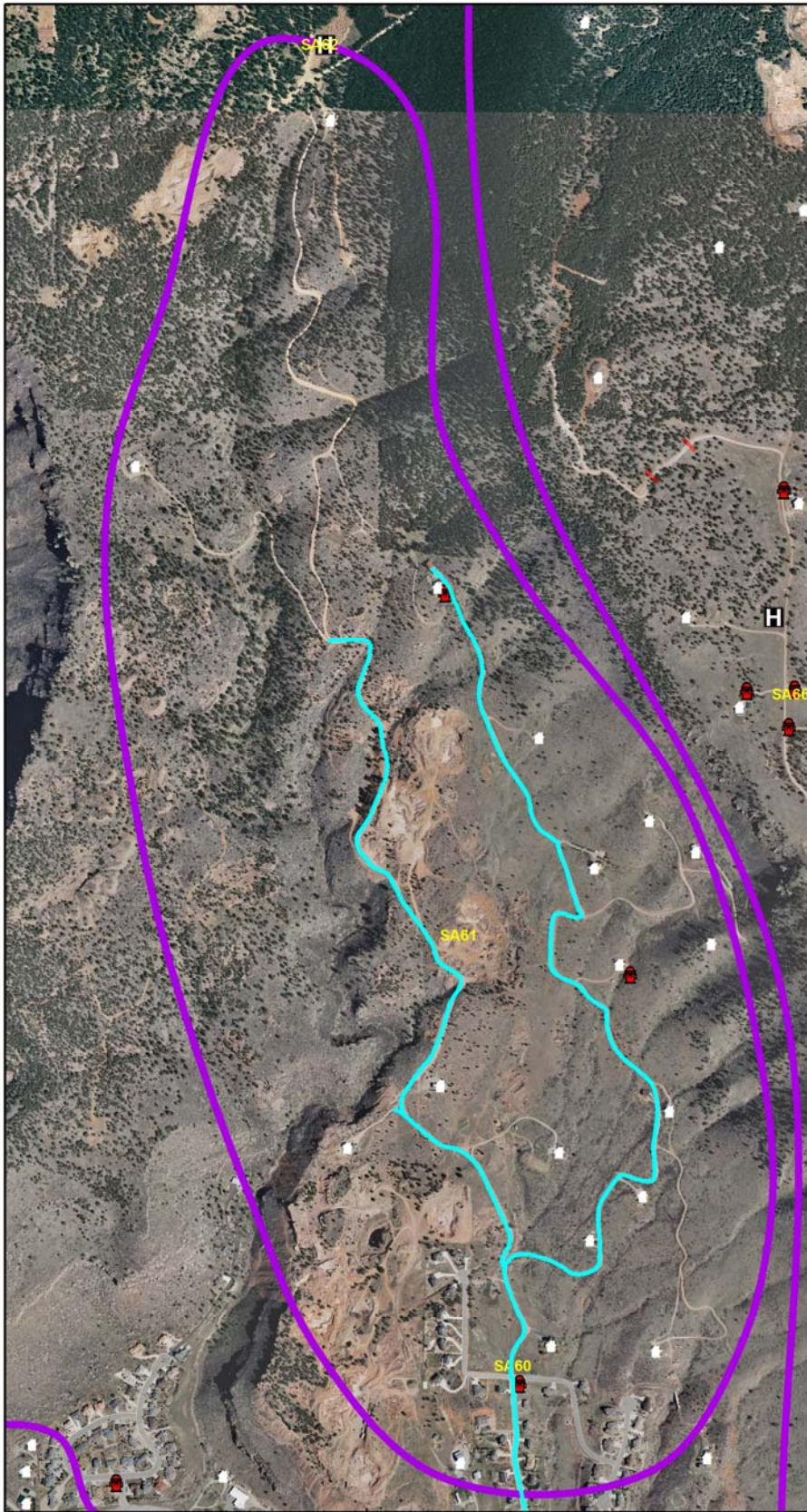
Improve street and address signs. Each fork needs to list which addresses are in each direction, and each driveway entrance needs to list which houses it serves.

Maintain upper Steamboat Valley Road as emergency access/egress.






<b>Wildfire Risk and Hazard Severity Assessment</b>		
<b>Neighborhood: Steamboat Valley</b>		
<b>Neighborhood Rating: High</b>		
<b>Number of Houses: 16</b>		
<b>Means of Access to Neighborhood</b>		
Fire Department Response Time	5-10 Minutes	3
Ingress and Egress	One Road In and Out	7
Road Width	< 20 feet	4
Road Condition	Not Paved, Fairly Graded, Privately Maintained, >5%	5
Fire Service Access	Insufficient Turnaround and Pullouts	2
Street Signs	Forks in road confusing	1
Vegetation Along Access Route	Several Areas Require Mitigation	2
Other Access Hazards		0
<b>Below Items were evaluated for each house, then averaged for the neighborhood:</b>		
<b>Vegetation (Fire Behavior Fuel Models)</b>		
Fuel Models 6, 8 & 9	Predominantly brush, some ponderosa open and closed crown	9.4
<b>Defensible Space Mitigation</b>		
Zone 1: within 30 ft	Good mitigation	4.4
Zone 2: 30 – 100 ft	Partial mitigation	3.2
Zone 3: beyond 100 ft	Partial mitigation	2
<b>Topography</b>		
Slope	Average 21%	5.6
Building Setback	A few < 30 feet from slope > 30%	3.7
Hazardous Topography	Minimal	0.3
<b>Firefighter Access</b>		
Address Visible	Many not visible	2.6
Driveway Length	Many > 300 feet	1.9
Turnaround for Engine	Several insufficient	2.1
Driveway Clearance for Engine	Most OK or N/A	0.5
<b>Building Construction</b>		
Roofing Material	Predominantly Asphalt, 1 with wood shakes	2.6
Siding	Predominantly Wood	8.1
Decks	Many wood decks, mostly open	2.1
Combustibles within 30 feet	Most OK but a couple of problem areas	0.9
<b>Firefighting Water Availability</b>		
Cisterns	Severely Insufficient, only 1 cistern identified	9.7
<b>Utility Hazards</b>		
Aboveground Gas or Propane	About half have Propane tanks	1.5
Aboveground Electric Wires	About half	0.9
<b>Neighborhood Total</b>		<b>85.5</b>

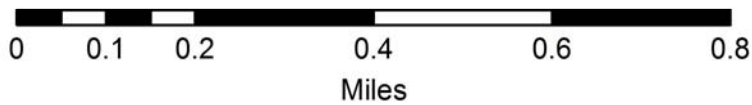
# CWPP Community: Steamboat Valley

Wildfire Risk: High



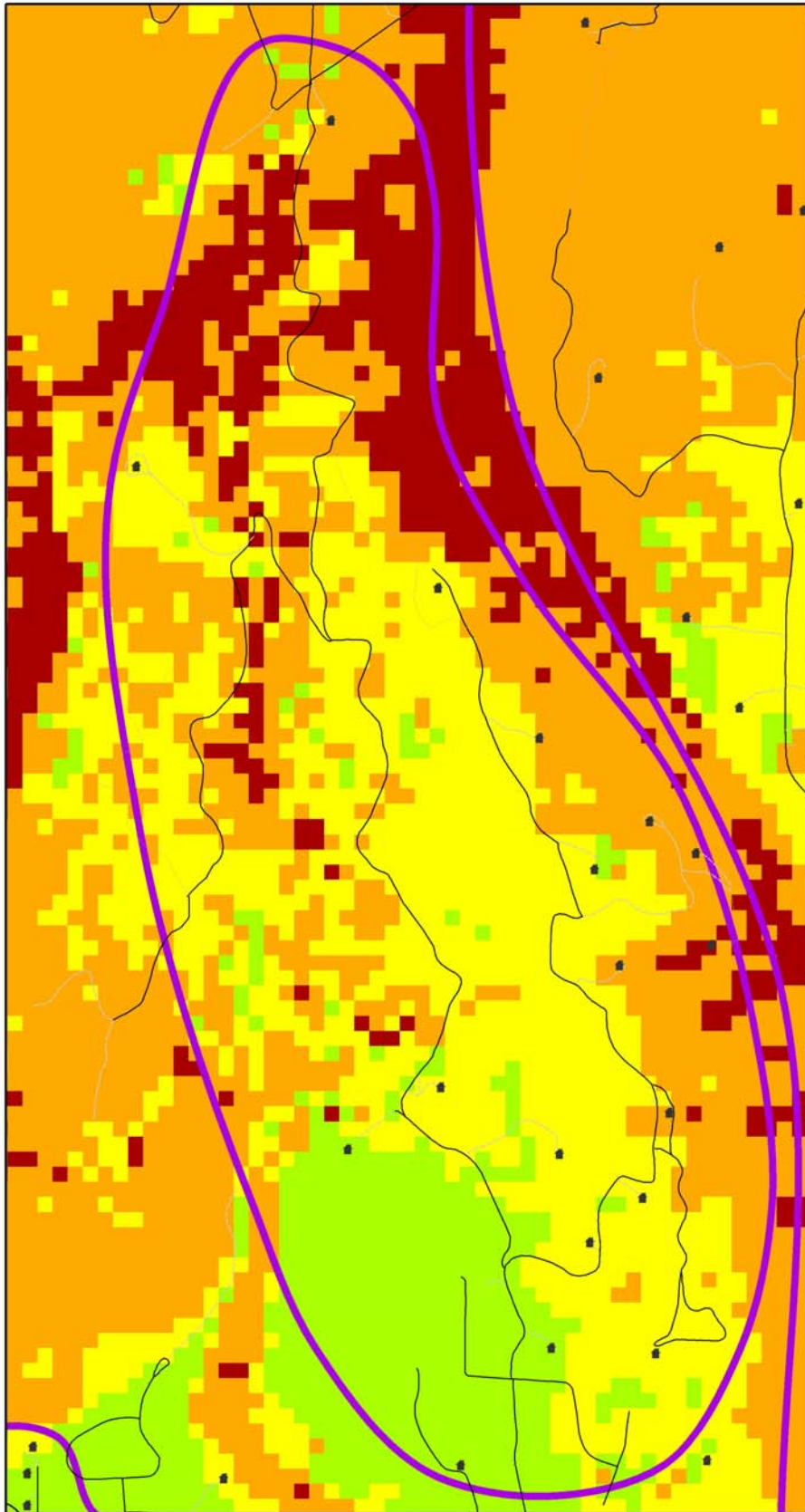
## Legend

-  Evacuation Route
-  SA # Staging Area
-  Helo Landing Zone
-  Cistern/Water Source
-  CWPP Communities

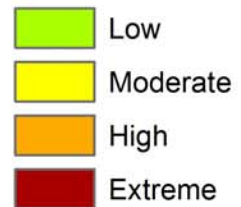


# CWPP Community: Steamboat Valley

Wildfire Risk: High



## Combined Risk from Slope and Fuel Model



This map only shows the wildfire risk resulting from the combination of slope and fuel model. It does not reflect any other factors such as response times, home construction, defensible space or water supply.

