



# Town of Alta



## Community Risk Assessment

### Town of Alta

UFA has one station adjacent to the Town of Alta covering a total of 4.5 square miles with a population of 217 as of 2024 and responded to 320 calls for service in 2022-2024.

Municipality	Population	Population Percentage of UFA	Square Miles	Population Density per Sq Mile	Classification	Value of Structures Protected
Town of Alta	217	0.05%	4.5	51	Rural	\$113M

The Town of Alta’s reported population decreased slightly from 228 in 2020 to 217 in 2024, showing a decrease of 4.82% over a four-year timeframe.

### Town of Alta Station Information

Station 113	
Owner	UFSA
Opened	1985
Address	9523 East Bypass Road
Staffing and Apparatus	<ul style="list-style-type: none"> <li>4 Person - Medic Engine 113 (Type1/3)</li> <li>Cross-Staffed - Medic Ambulance 113</li> </ul>

### Surrounding UFA and Automatic/Mutual Aid Response Stations

Surrounding fire stations and fire departments that are within an eight-minute response to the Town of Alta are:

UFA Station 116	City of Cottonwood Heights	<ul style="list-style-type: none"> <li>3 Person - Medic Engine 116 (Type 1)</li> <li>2 Person - Medic Ambulance 216 (PL Seasonal)</li> </ul>
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### Town of Alta – Incidents by Dispatch Type

	CY 2022	CY 2023	CY 2024
<b>Fire Suppression</b>	1   0.7%	0   0%	1   1%
<b>EMS</b>	116   82.9%	51   64.6%	63   62.4%
<b>HazMat</b>	5   3.6%	2   2.5%	4   4%
<b>Service Call</b>	1   0.7%	0   0%	1   1%
<b>Good Intent</b>	12   8.6%	20   25.3%	22   21.8%
<b>False Call</b>	5   3.6%	6   7.6%	10   9.9%
<b>Natural Condition</b>	0   0%	0   0%	0   0%
<b>Other Situation</b>	0   0%	0   0%	0   0%
<b>Unknown</b>	0   0%	0   0%	0   0%
<b>Total</b>	140   100%	79   100%	101   100%

Table 1 - Dispatch Types

### Town Of Alta – 2022-2024 Dispatch and Response Times – Emergent First Due

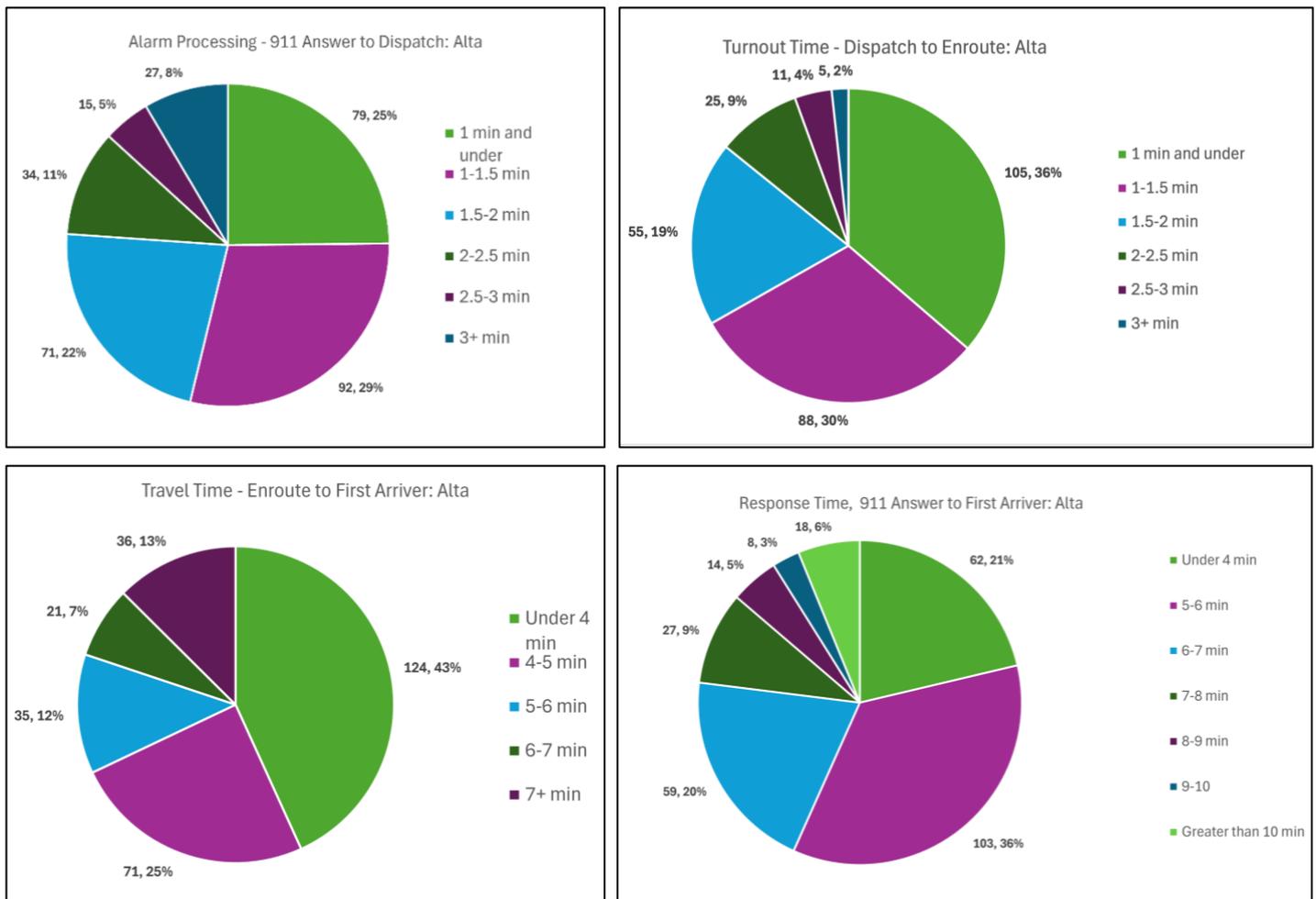


Chart 1 - Dispatch and Response Times

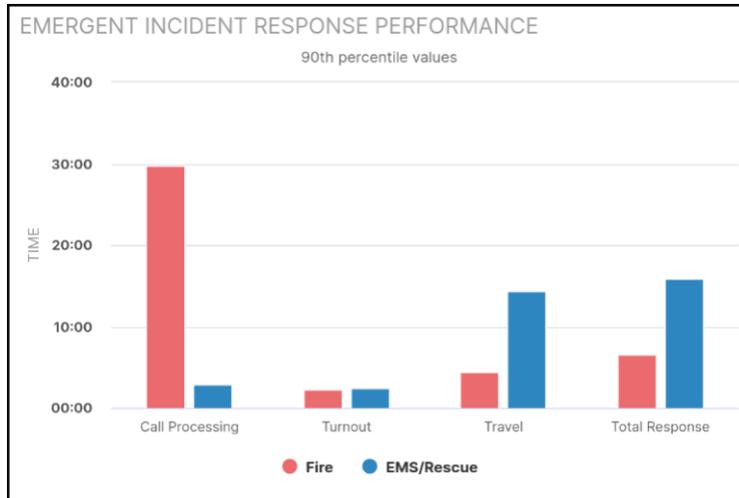


Chart 2 - Emergent Incident Response Performance

Rural	Call Processing: Fire	Turnout Time: Fire	Travel Time: Fire	Total Response: Fire	Call Processing: EMS	Turnout Time: EMS	Travel Time: EMS	Total Response: EMS
<b>Alta 2022</b>	1:18	2:10	7:04	9:56	2:49	2:30	16:24	18:28
<b>Alta 2023</b>	2:30	1:45	14:55	16:22	2:31	1:37	8:45	12:30
<b>Alta 2024</b>	2:38	1:48	10:21	12:21	2:48	2:11	14:23	17:39
<b>UFA Urban 2022-2024</b>	2:43	2:20	7:17	10:51	2:15	2:06	6:11	9:11
<b>UFA Rural 2022-2024</b>	2:59	2:22	14:56	17:48	2:51	2:18	14:29	18:22
<b>NFPA 1710</b>	1:04	1:20	4:00	6:24	1:00	1:00	4:00	6:00

Table 2 - Emergent Response Times, 90th percentile values

## Town of Alta – 2022-2024 Total Response Times

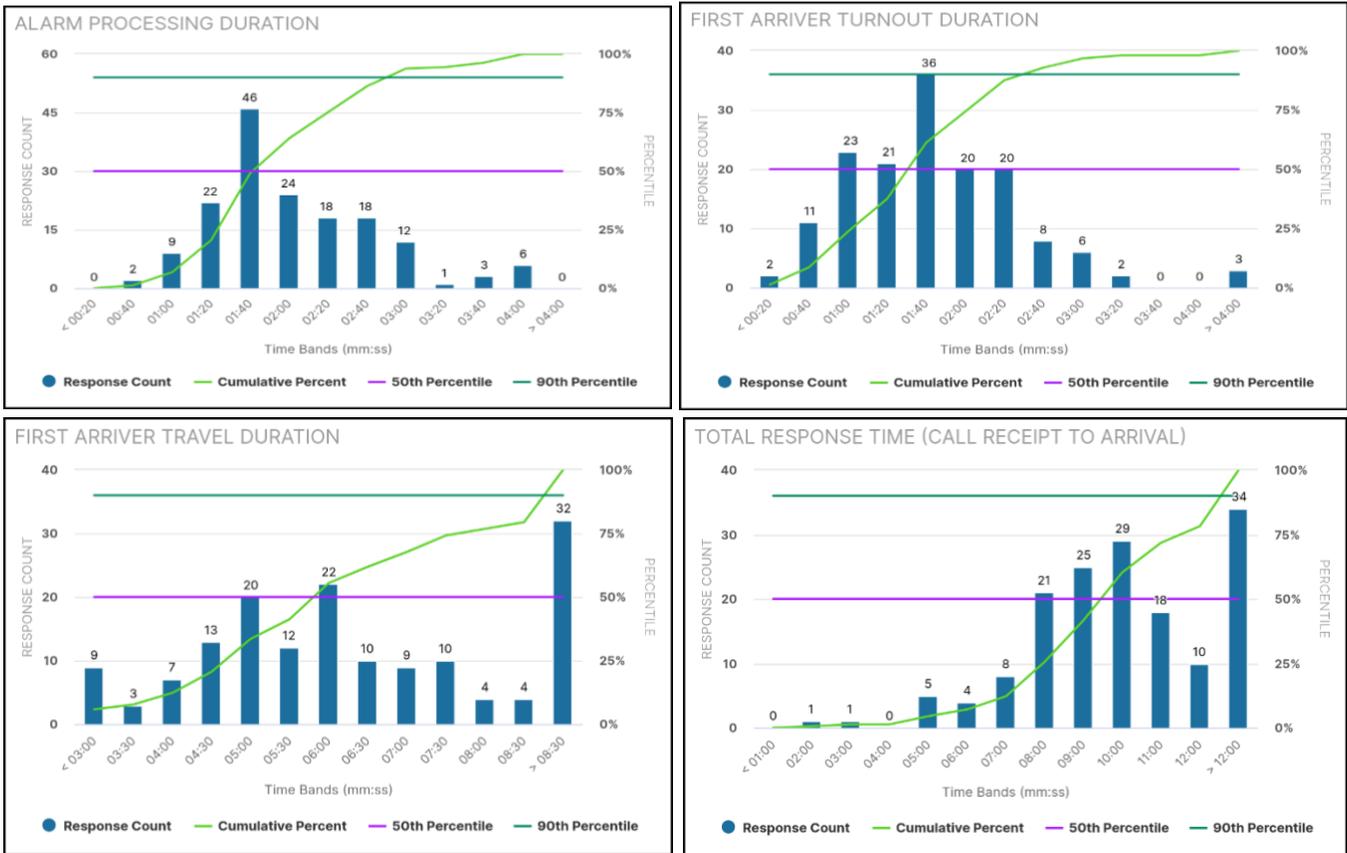


Chart 3 - 90th Percentile Unit Performance

The charts above illustrate the alarm processing, turnout, travel, and total response times for all units responding to service calls within the Town of Alta (90th percentile).

## Town of Alta: 2022-2024 Incidents by Time of Day

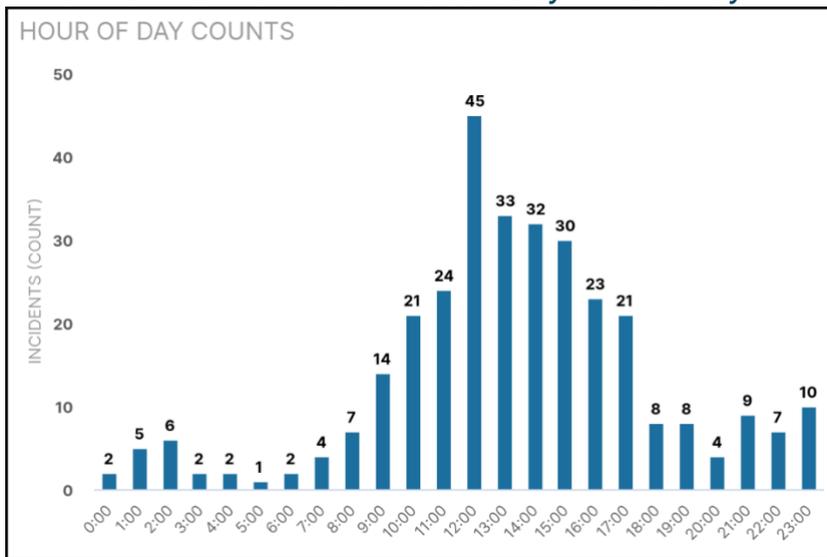
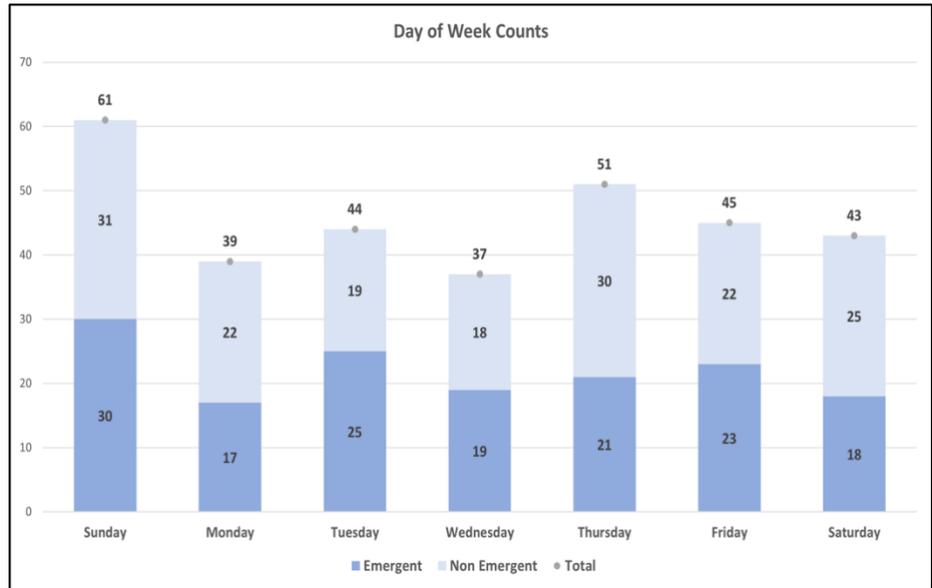


Chart 4 - Hour of Day Counts

This table demonstrates the incidents by time of day and the time of greatest demand within the Town of Alta for all service calls.

*Town of Alta – 2022-2024 Incidents by Day of Week*

This chart presents incident volume by day of the week in the Town of Alta, demonstrating that incident demand peaks on Sundays, with lower but relatively consistent call volume throughout the remainder of the week.



*Chart 5 – Town of Alta Incidents by Day of Week*

*Town of Alta – 2022-2024 EMS Calls and Ambulance Transports*

Total EMS Calls	Total Ambulance Transports	% Of EMS Calls Requiring Transport
230	133	58%

*Table 3 - EMS Calls and Ambulance Transports*

*Town of Alta – 2022-2024 EMS Incidents by Dispatch Type*

EMS Call Type	Incident Count
Traumatic Injury	88
Head Injury	20
Sick Person	15
Fall	14
Unconscious	13

*Table 4 - Top 5 Medical Calls*

### Town of Alta – 2022-2024 Fire Incidents by Dispatch Type

NFIRS Description	Incident Count	% of Incidents	NFIRS Description	Incident Count	% of Incidents
Structure Fire	2	100%	Special Outside Fire	0	0%
Natural Vegetation Fire	0	0%	Fire, Other	0	0%
Outside Rubbish Fire	0	0%	Mobile Property Fire	0	0%
Vehicle Fire	0	0%	<b>Total</b>	<b>2</b>	<b>100%</b>

Table 5 - Incidents by Dispatch Type

### Town of Alta – Building Occupancy Classification and Risk Categories

Occupancy Classification	Low	Moderate	High	Max	Total
Agriculture	0	0	0	0	0
Assembly	3	0	0	0	3
Commercial	37	1	0	0	38
Education	0	1	1	0	2
Government	1	0	1	0	2
Hazardous	1	0	0	0	1
Healthcare	0	0	0	0	0
High Rise	0	0	0	0	0
Industrial	0	1	0	0	1
Mixed Use	0	0	0	0	0
Residential **	27	1	2	0	30
Single Family Residential	2	3	1	0	6
Multi-family Residential	6	4	0	1	11
Unclassified/Storage	6	0	0	0	6
Utility and Miscellaneous	0	0	0	0	0
<b>Total</b>	<b>83</b>	<b>11</b>	<b>5</b>	<b>1</b>	<b>100</b>

\*\* Residential includes single family and multi-family. Breakdowns for those are in a separate row.

\*\* Residential includes manufactured homes and unclassified so multi-family and single family may not add up to residential.

### Building Size / Considerations

Nonresidential low: 1 - 4,999 sq ft	Residential low: 1 – 1,999 sq ft.
Nonresidential moderate: 5,000 – 9,999 sq ft	Residential moderate: 2,000 – 3,999 sq ft.
Nonresidential high: 10,000 – 99,999 sq ft	Residential high: 4,000 – 9,999
Nonresidential max: ≥ 100,000 sq ft	Residential max: ≥ 10,000

Table 6 – Town of Alta Building Occupancy and Risk Categories

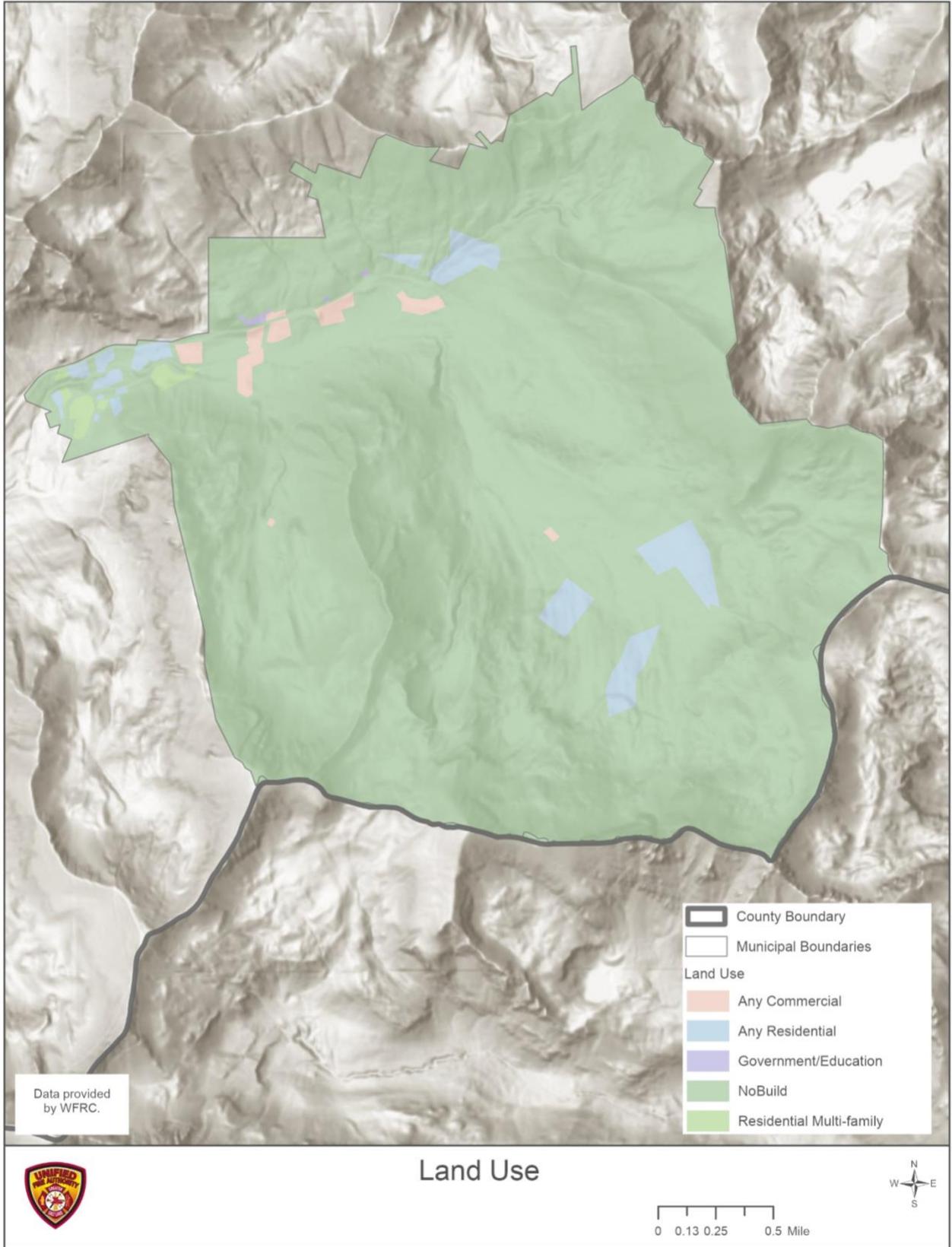
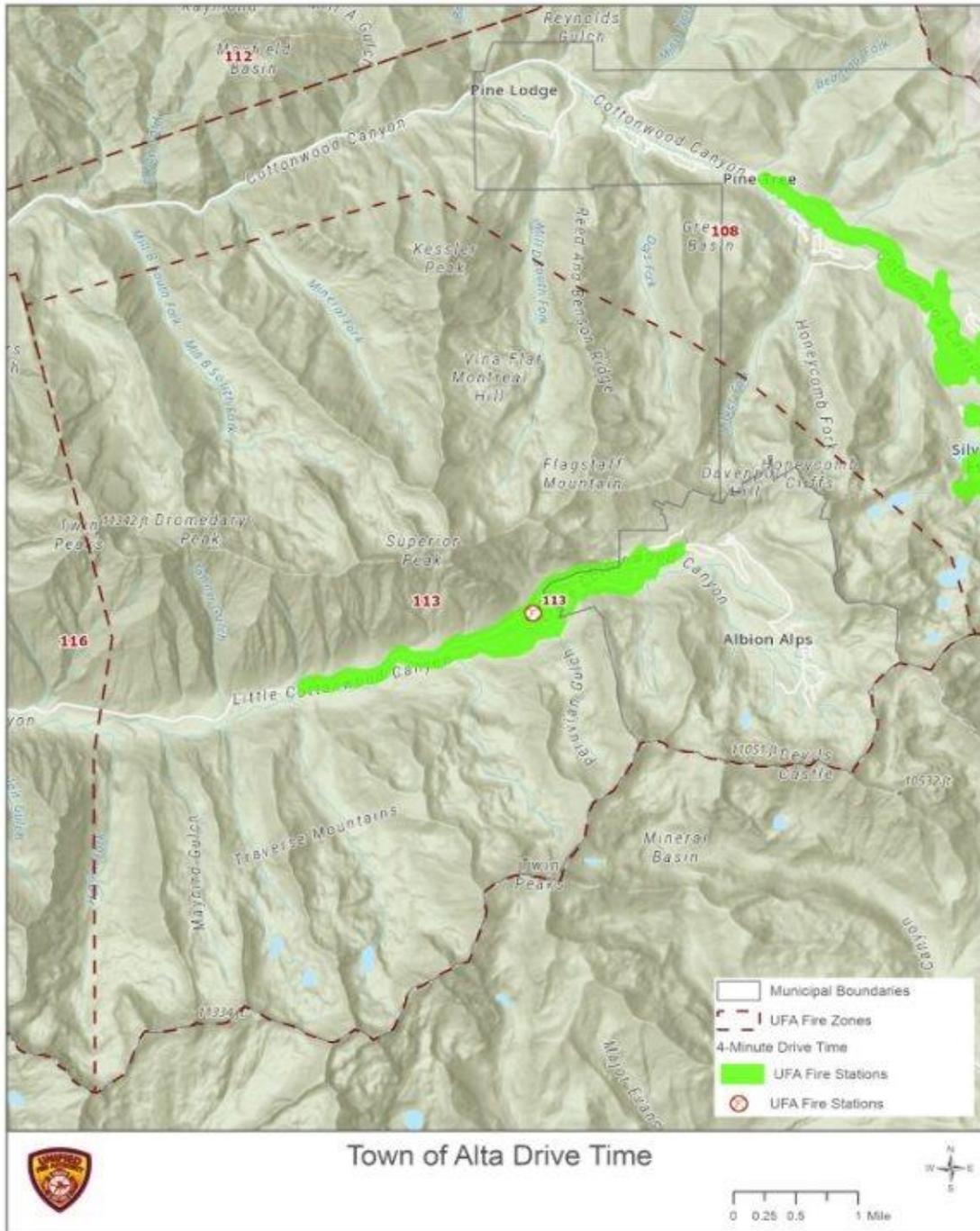


Image 1 - Land Use



**Four Minute Response Times - UFA and Non-UFA Stations**

September 2022

- Municipalities
- Fire Zones
- UFA Fire Stations
- Non-UFA Fire Stations
- 4 Minute Response Times Non-UFA Fire Stations
- 4 Minute Response Times UFA Fire Stations

Image 2 - 4-Minute Travel Times, UFA and Aid

*Town of Alta – First Arriver Travel Times*

The following maps demonstrate the 90<sup>th</sup> percentile of travel times based off the last three years of historical data (2022-2024). The darker the color is, the more delayed the response, with the green and light colors demonstrating below or near target times. The darker colors on the bar within the key demonstrating longer travel times by apparatus. This map's drive times (or travel times) are based off the current NFPA 1710 standard of four minutes (90<sup>th</sup> percentile) from notification of the alarm to the arrival of the first arriving apparatus — not an adopted standard by UFA. In 2024, within the Town of Alta, the 90<sup>th</sup> percentile drive time is 10:41 for fire and 14:10 for EMS, or a combined 90<sup>th</sup> percentile drive time of 14:01.

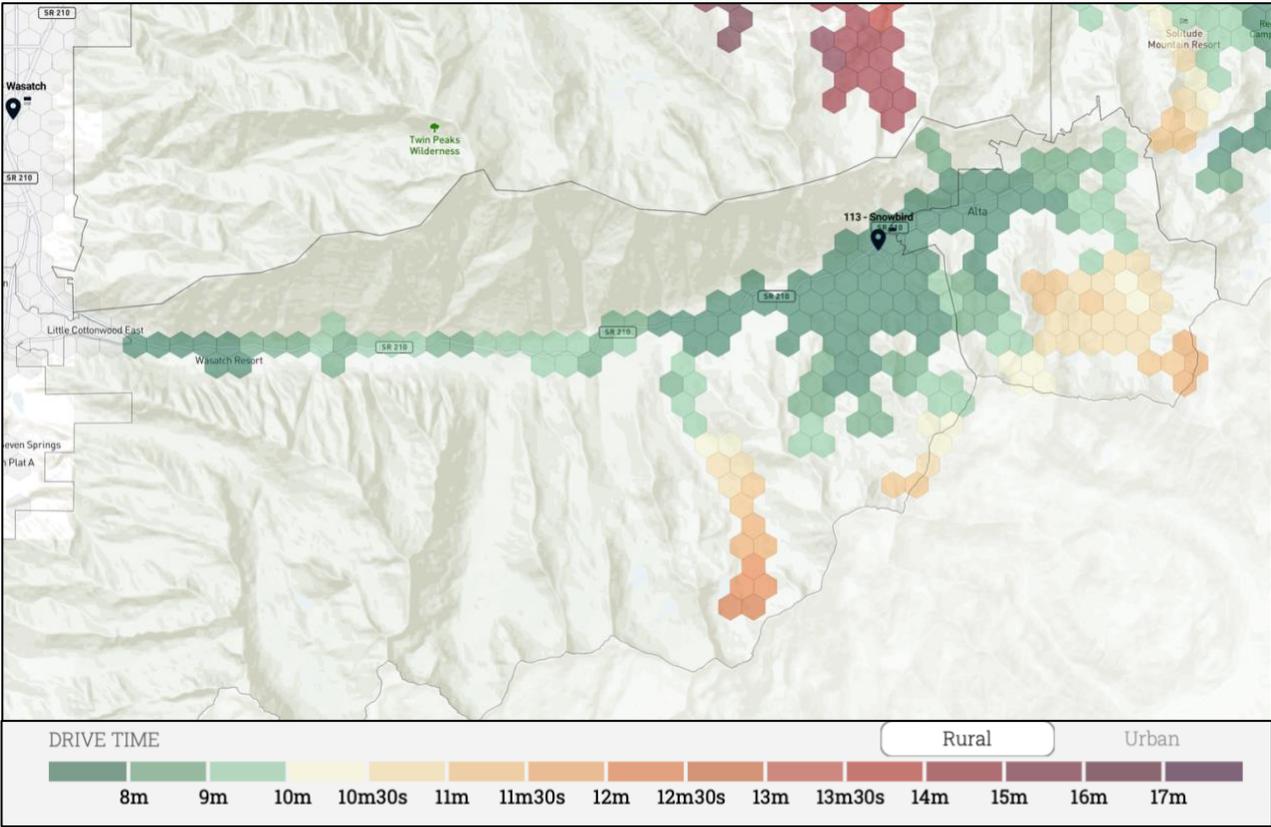
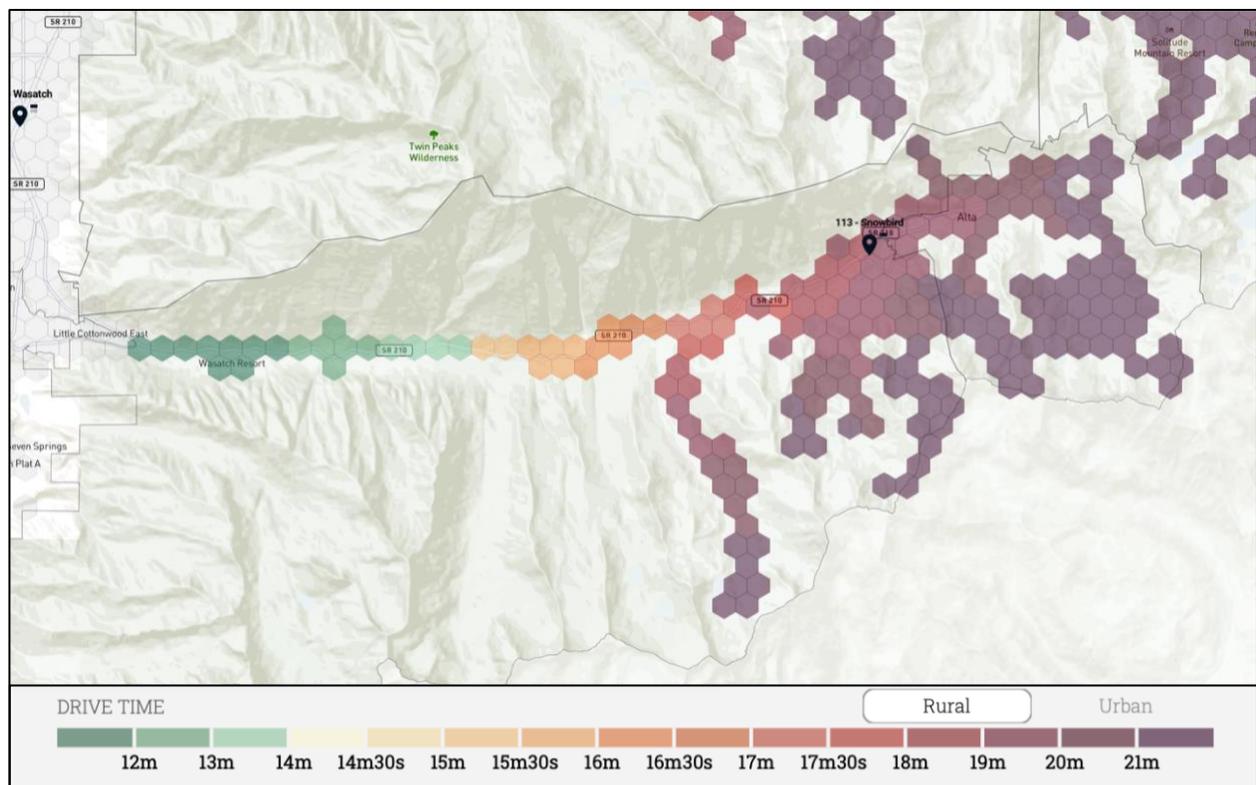


Image 3 - Emergent Response Times - All Aid

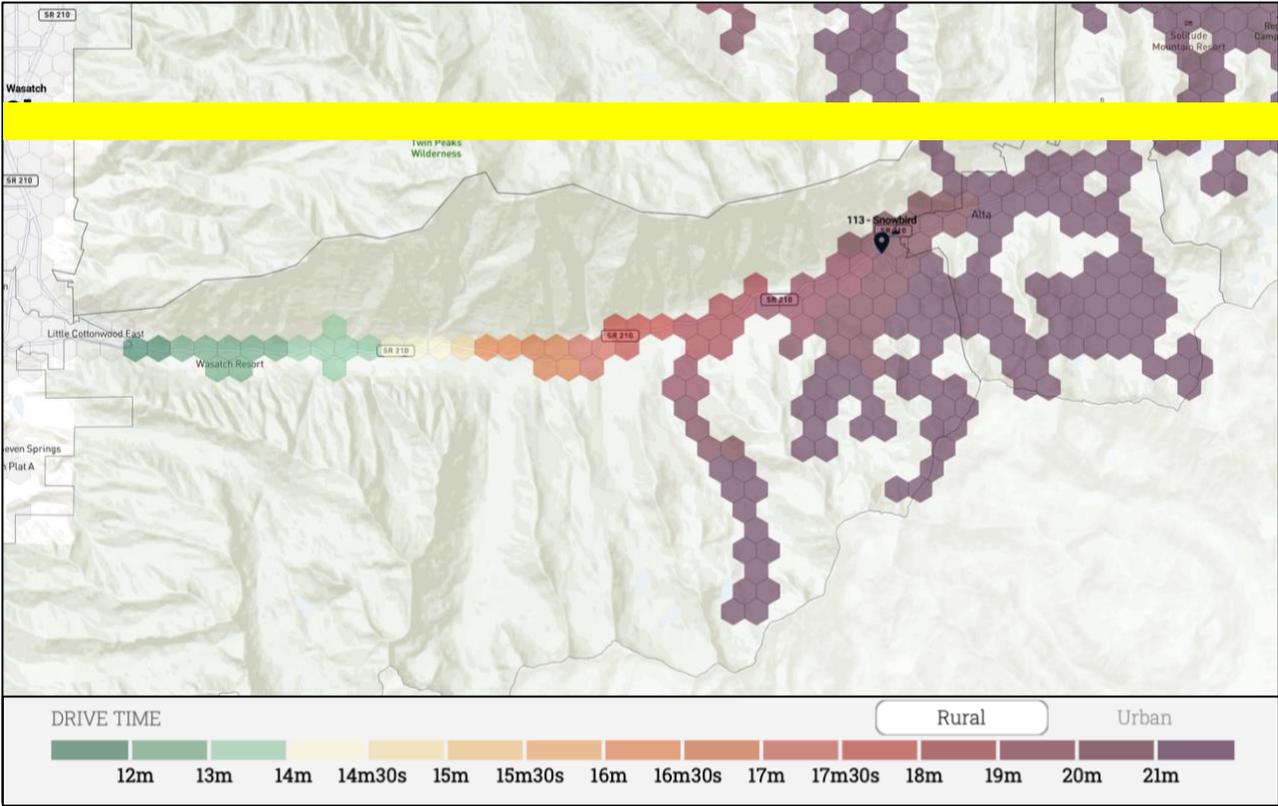
### *Town of Alta – Residential Fire Effective Response Force (17 FF)*

This map demonstrates the coverage of a multi-unit response to a residential fire based off all apparatus being within their station. The green to light yellow demonstrates the ability to have seventeen firefighters (a residential fire effective response force) on scene based off a residential urban fire force response. This map's drive times (or travel times) are based off the current NFPA 1710 standard of eight minutes (90<sup>th</sup> percentile) from notification of the alarm to the arrival of the initial full alarm assignment (a minimum of 17 firefighters) for a residential, low, or medium hazard assembly — not an adopted standard by UFA. Based off predictive data, the 90th percentile for 17 firefighters to arrive on scene is 17:08.



*Town of Alta – Commercial Fire Effective Response Force (28 FF)*

This map demonstrates the coverage of a multi-unit response to a commercial fire based off all apparatus being within their station. The green to light yellow demonstrates the ability to have twenty-eight firefighters (a commercial fire effective response force) on scene based off a residential urban fire force response. This map's drive times (or travel times) are based off the current NFPA 1710 standard of ten minutes and 10 seconds (90<sup>th</sup> percentile) from notification of the alarm to the arrival of the initial full alarm assignment (a minimum of 28 firefighters) for a commercial, high hazard or high-rise assembly — not an adopted standard by UFA. Based off predictive data, the 90th percentile for 28 firefighters to arrive on scene is 18:11.



*Image 5 - Response Times – Commercial Fire Effective Response Force (28 FF)*

*Town of Alta Risk Assessments*

Infrastructure – Transportation	Infrastructure – Dams	Earthquake Liquefaction	Earthquake Faults	Avalanche	Unreinforced Masonry	Wildland Urban Interface	Tier II Sites	Hospitals	Schools	≥100,000 sq ft Structures	Residential Population
Low	Low	Low	Low	High	Low	High	Low	Low	Low	Low	Low
Transportation: Low Risk = 0-99 Linear Miles; Moderate Risk = 100-199 Linear Miles; High Risk = >200 Linear Miles											
Dams: Low Risk = 0-3; Moderate Risk = 4-6; High Risk = ≥7											
Liquefaction: The areas of liquefaction vary throughout the valley, with areas of high susceptibility running South and East from the Great Salt Lake											
Earthquake Faults: Low Risk = 0-30,000 LF of fault line; Moderate Risk = 30,001-60,000 LF of fault line; High Risk = ≥60,001 LF of fault line											
Unreinforced Masonry: Low Risk = 0-100; Moderate Risk = 101-1,000; High Risk = ≥1,001											
Wildland Urban Interface: Low Risk = 0-25% WUI; Moderate Risk = 26-50% WUI; High Risk = ≥51% WUI											
Tier II Sites: Low Risk = 1-5; Moderate Risk = 6-10; High Risk = ≥11											
Hospitals: Low Risk = 0; Moderate Risk = 1; High Risk = ≥2											
Schools: Low Risk = 0-5; Moderate Risk = 6-10; High Risk ≥11											
100,000 sq ft Buildings: Low Risk = 0-5; Moderate Risk = 6-14; High Risk = ≥15											
Population: Low Risk = 1-19,999; Moderate Risk = 20,000-39,999; High Risk = ≥40,000											

Table 7 – Hazard Matrix

**Infrastructure – Transportation**

The primary roadway that runs through Alta is State Roan 210 which runs east/west from Wasatch Boulevard. There are 0 linear miles of Interstate/US Highway, 1.93 linear miles of State Highways, and 11.94 total linear miles of roadway. Alta is in the low-risk category for road infrastructure.

**Infrastructure – Water**

There is one water district within the Town of Alta, Alta Town Water.

**Infrastructure – Dams**

There are two identified dams within the Town of Alta. Alta is in the low-risk category for dam infrastructure.

### Natural Hazards

Within the Town of Alta, there are high concerns with avalanche areas, placing it in the high-risk category for avalanche. There are no identified fault lines that run through the city. Alta is in the low-risk category for liquefaction and low-risk category for fault lines. One of the biggest hazards that occur within an earthquake scenario is the number of unreinforced masonry (URM) buildings. Within the Town of Alta, there are an estimated 3 URM's, which constitutes about 0.01% of the overall URM's within UFA's response areas. Alta is in the low-risk category for unreinforced masonry.

### Wildland Urban Interface

There is high risk of urban interface fires within the Town of Alta and within Little Cottonwood Canyon. One of the primary hazards is the lack of egress routes going out of the canyon. Alta is in the high-risk category for Wildland Urban Interface.

### Hazardous Materials / Tier II Sites

There is one identified HazMat/Tier II Site within the Town of Alta, which is in the low-risk category.

### Hospitals

The Town of Alta has no standalone hospitals, which places Alta in the low-risk category.

### Schools

The Town of Alta has a one-room multi-grade Elementary School housed in the Goldminer's Daughter Lodge. This places Alta in the low-risk category for schools.

### Target Hazards – Structures

- 5 Ski Lodges with hotel accommodations.

### *Life and Property Loss*

From 2022-2024, there have been zero fatalities attributed to fire. There has been a total estimate of \$1,000.00 of property loss and a total estimate of \$1,000.00 of content loss due to fire.

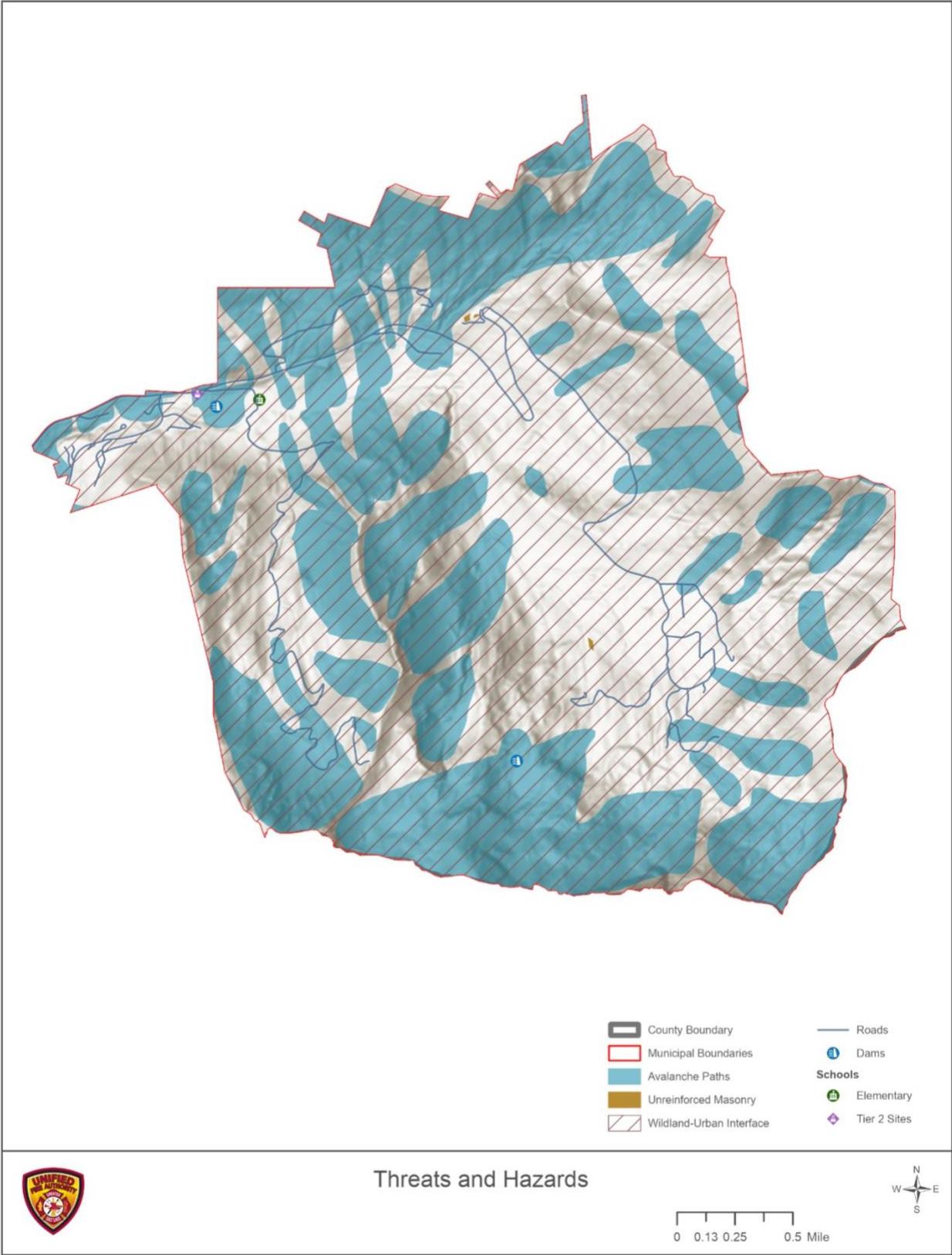


Image 6 - Threats and Hazards