Section VIII: Appendix

Apparatus Details[1]

Front Line

Unit Number	Pump	Tank	Ladder/Platform
2516	1500 single stage PTO pump	324 gallon	100’ Platform
2501	1000 gpm 2 stage pump	300 gallon	
2502	1500 gpm 2 stage pump	500 gallon	
2503	1500 gpm 1 stage pump	600 gallon	
2504	1000 gpm 2 stage pump	300 gallon	
2505	1500 gpm 1 stage pump	650 gallon + husky 12gpm foam system	
2506	1500 single stage pump	300 gallon	75’ Stick
2607	1500 single stage pump	300 gallon	75’ Stick

Wildland

Unit Number	Pump	Tank	Ladder/Platform
2538	500 single stage pump	500 gallon (470 water/30 foam)	
2539	500 single stage pump	500 gallon (470 water/30 foam)	

Reserve

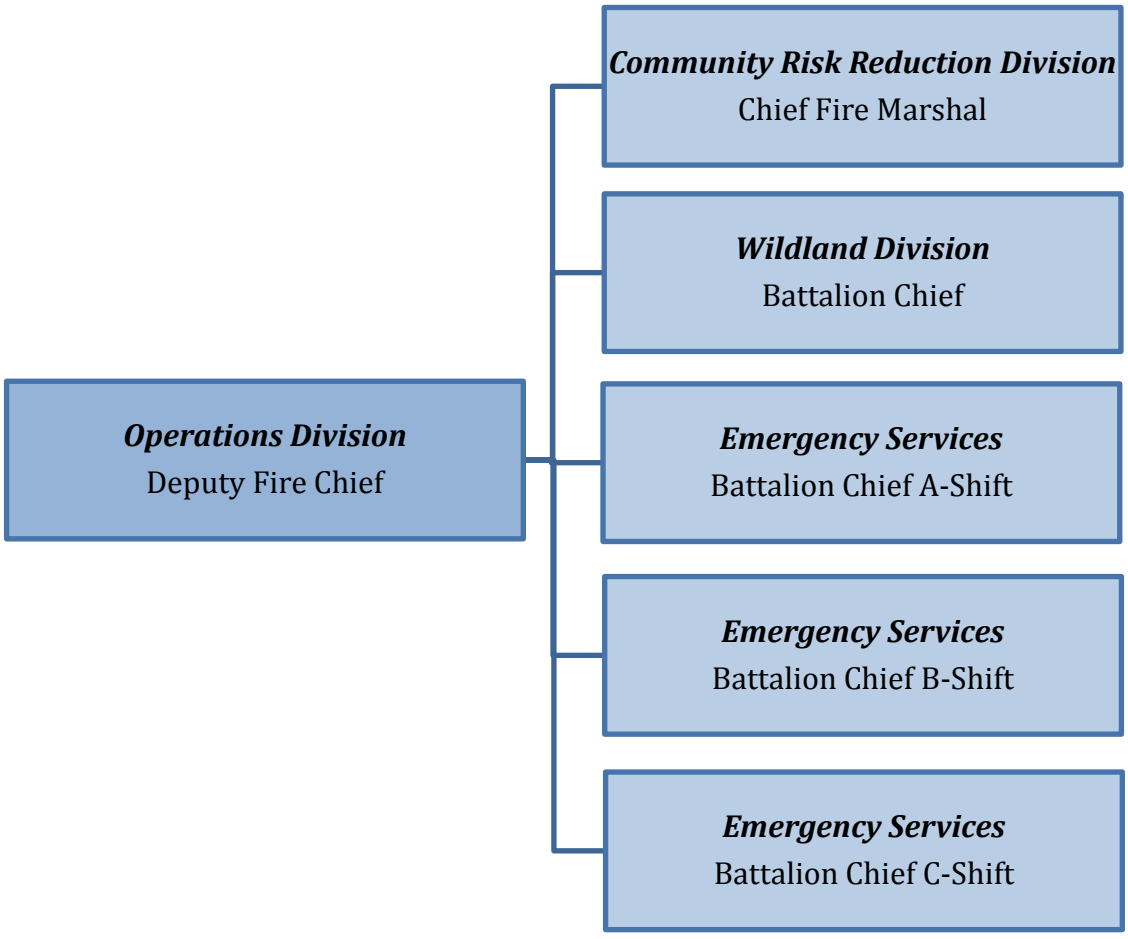
Unit Number	Pump	Tank	Ladder/Platform
5038	1500 single stage pump	300 gallon	75’ Stick
5036	1500 single stage pump	750 gallon Foam pro system	

[1] If pump does not say PTO driven then it is a traditional split shaft driven pump.

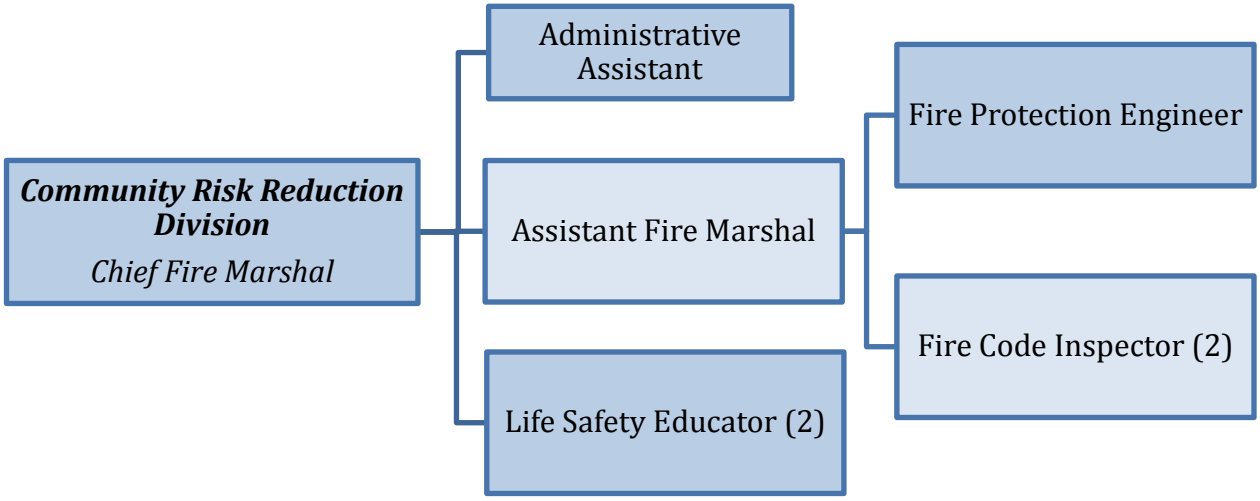
5040	1500 single stage PTO pump	620 gallon	

Division Org Charts

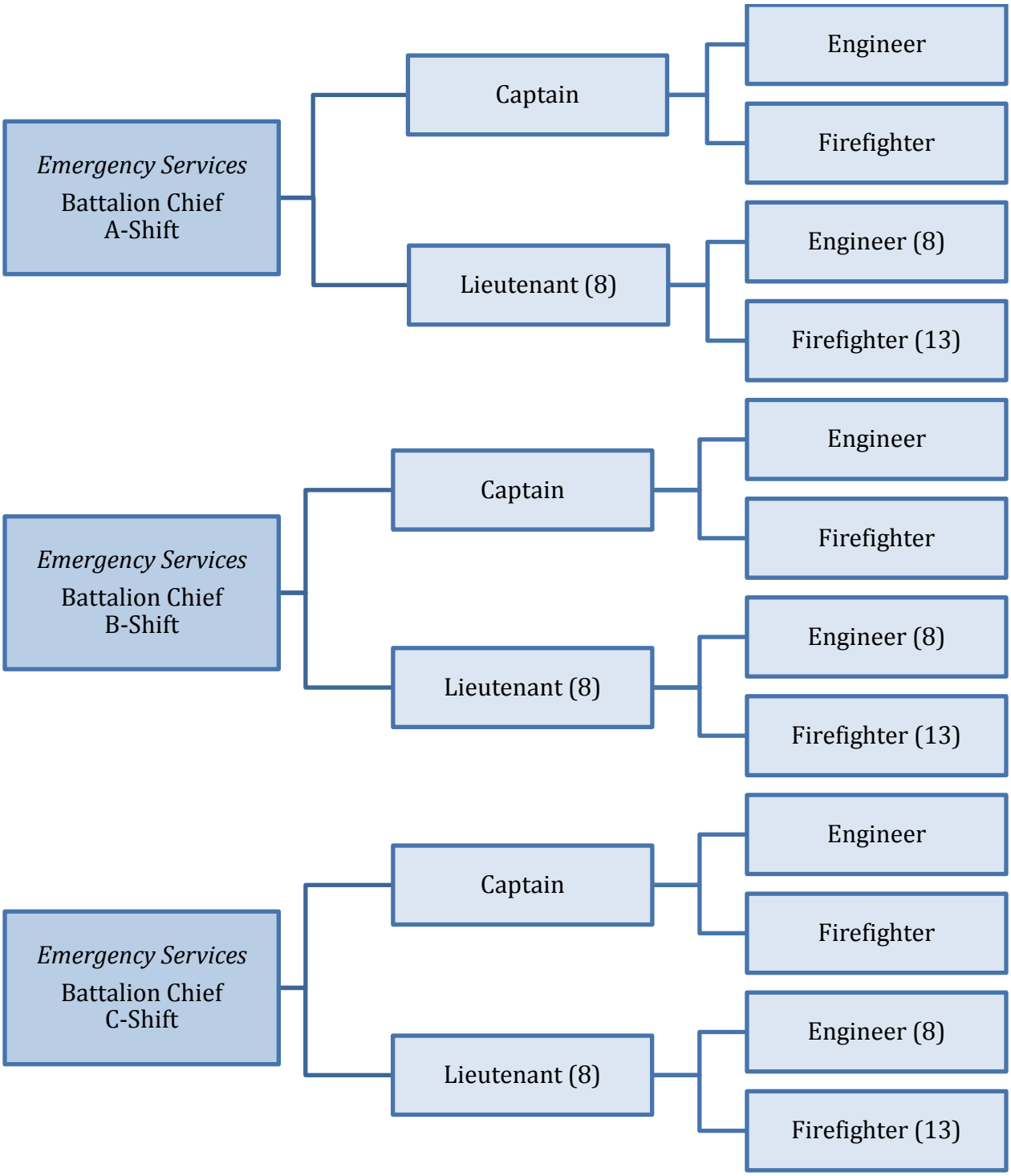
Operations



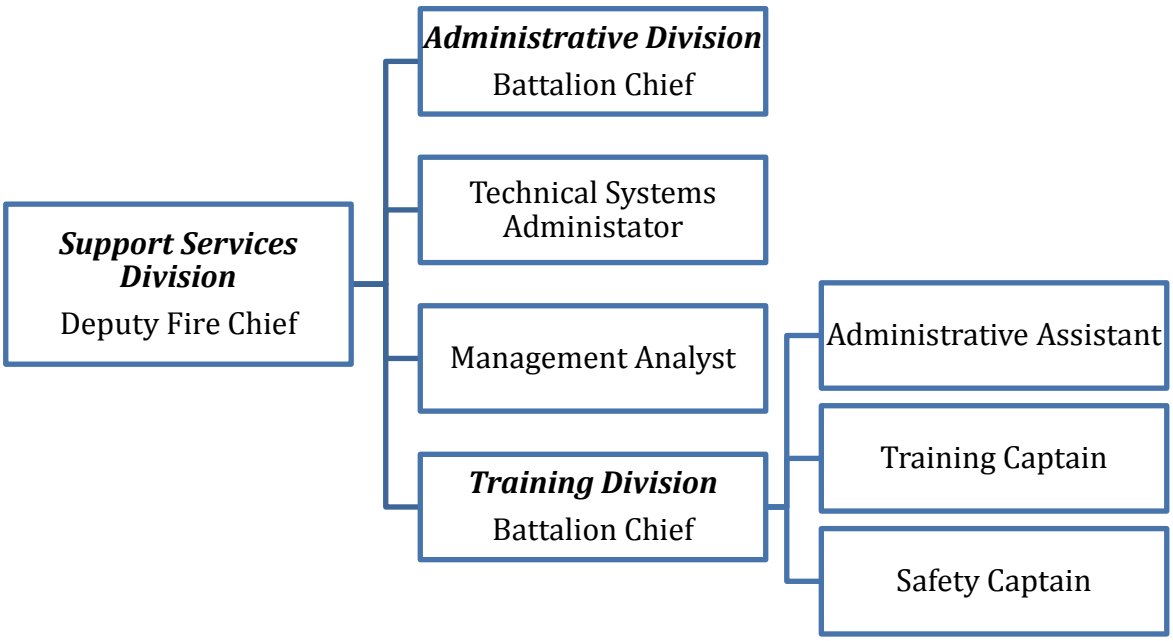
CRR


Community Risk Reduction Division
Chief Fire Marshal
Administrative Assistant
Assistant Fire Marshal
Life Safety Educator (2)
Fire Protection Engineer
Fire Code Inspector (2)

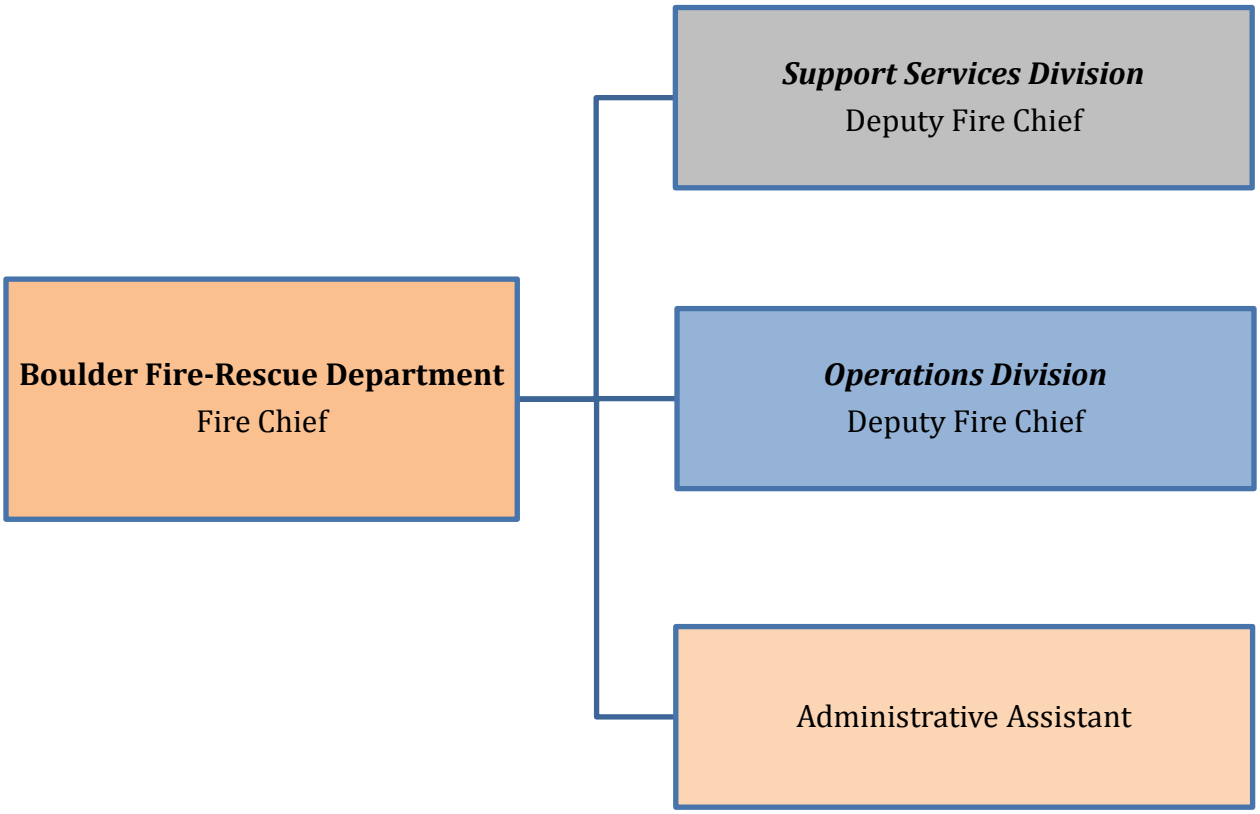
EMERGENCY SERVICES



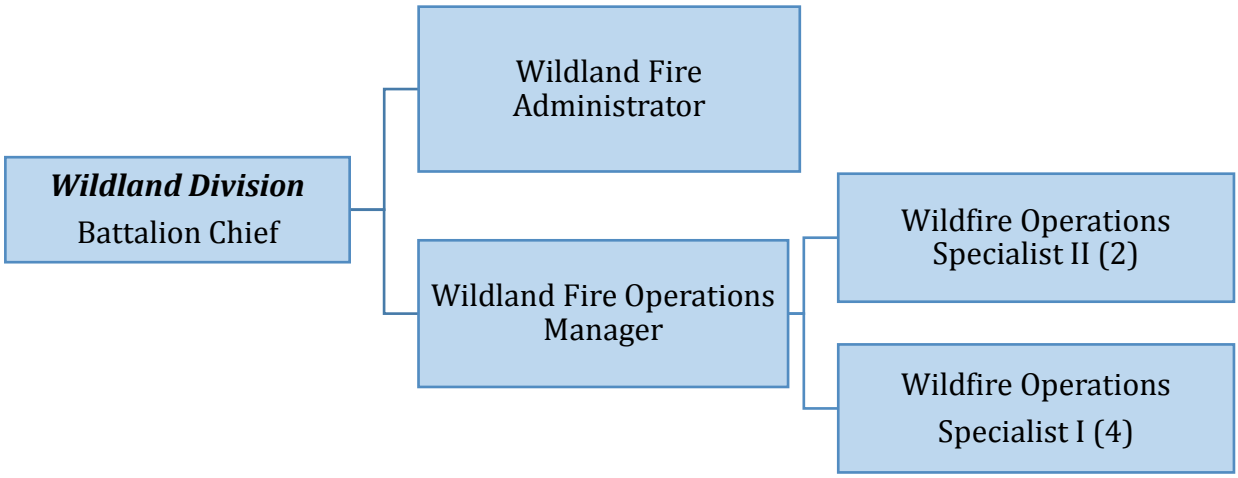
SUPPORT SERVICES



SUPPORT SERVICES


Boulder Fire-Rescue Department
Fire Chief
Support Services Division
Deputy Fire Chief
Operations Division
Deputy Fire Chief
Administrative Assistant

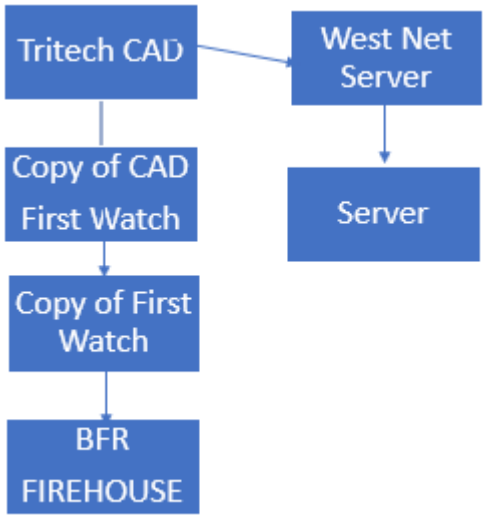
WILDLAND


Wildland Division
Battalion Chief
Wildland Fire Administrator
Wildland Fire Operations Manager
Wildfire Operations Specialist II (2)
Wildfire Operations Specialist I (4)

CAD Incident Types

Incident Type	Incident Type	Incident Type	Incident Type
AIACCF-Motorized Air Accident	zAbdominal Pain/Problem (L1)	zConvulsions/Seizure (L2)	zPsych/Suicide (L3)
ALMEDF-Medical Alarm	zAbdominal Pain/Problem (L3)	zDiabetic Problem (L1)	zSick (L1)
AMNONF-Blood draw/noncode amb	zAllergy/Envenomation (L1)	zDiabetic Problem (L3)	zSick (L2)
AutoAid: EMS	zAllergy/Envenomation (L1a)	zDrowning/Diving/SCUBA (L1)	zSick (L3)
AutoAid: Fire Non Structure	zAllergy/Envenomation (L2)	zDrowning/Diving/SCUBA (L1a)	zStab/Gun/Penetrating (L1)
AutoAid: Hazmat	zAllergy/Envenomation (L3)	zElectrocution (L1)	zStabbing-Stage (L1)
AutoAid: Injury Accident	zAnimal Bite/Attack (L1)	zEye Problem (L2)	zStabbing-Stage (L3)
AutoAid: Rescue Lost Pers	zAnimal Bite/Attack (L3)	zEye Problem (L3)	zStroke (L1)
AutoAid: Smoke Report	zAssault/Sex Assault (L1)	zFall (L1)	zTransfer/Interfacility (L8)
AutoAid: Structure Fire	zAssault/Sex Assault (L2)	zFall (L1a)	zTraumatic Injury (L1)
AutoAid: Tech Rescue	zAssault/Sex Assault (L3)	zFall (L2)	zTraumatic Injury (L2)
AutoAid: Unknown Injury Accide	zBack Pain (L1)	zFall (L3)	zTraumatic Injury (L3)
AutoAid: Water Rescue	zBack Pain (L3)	zFall (L4)	zUnconscious/Fainting (L1)
AutoAid: Wildland Fire	zBleeding (L1)	zGunshot Wound-Stage (L1)	zUnconscious/Fainting (L1a)
AutoAid: Wildland Task Force	zBleeding (L2)	zHeadache (L1)	zUnconscious/Fainting (L3)
BOMBF-Bomb Threat	zBleeding (L3)	zHeadache (L3)	zUnknown Problem (L1)
EMSF-All Medical Calls	zBreathing Problem (L1)	zHeart Problem/AICD (L1)	zUnknown Problem (L2)
FIALAF-Fire Alarm	zBreathing Problem (L1a)	zHeart Problem/AICD (L1a)	
FINONF - Non Struct Fire	zBurns/Explosion (L1)	zHeart Problem/AICD (L3)	
FIREAF-Fire Assist	zBurns/Explosion (L3)	zHeat/Cold Exposure (L1)	
FISTRF-Struct Fire/Smoke insi	zBurns/Explosion (L6)	zHeat/Cold Exposure (L2)	
FIWILF-Wildland/Grass fire	zCardiac/Resp Arrest (L1a)	zHeat/Cold Exposure (L3)	
GASF-Gas smell inside a bldg	zCardiac/Resp Arrest (L3)	zLabor/Delivery (L1)	
HAZMAJF-HAZMAT major response	zChest Pain (L1)	zOverdose/Poisoning (L1)	
HAZMFULLF-Countywide Hazmat	zChest Pain (L1a)	zOverdose/Poisoning (L2)	
HAZMINF-Minor hazmat response	zChest Pain (L3)	zOverdose/Poisoning (L3)	
INJACC2F-Injury Accident J/O	zChoking (L1)	zOverdose/Poisoning-Stage (L1)	
MAACCF-Rollover or pinned acc	zChoking (L1a)	zOverdose/Poisoning-Stage (L2)	
MUAIDF- BFD mutual aid	zChoking (L3)	zPregnancy (L1)	
ODORF-Odors invests/gas outsid	zCO/Inhale/HAZMAT/CBRN (L1)	zPregnancy (L2)	
RESCUEF-Special Rescue	zCO/Inhale/HAZMAT/CBRN (L2)	zPregnancy (L3)	
REWATF-All Water Rescues	zConvulsions/Seizure (L1)	zPsych/Suicide (L1)	
UNACCF-Unknown if injury acc	zConvulsions/Seizure (L1a)	zPsych/Suicide (L2)	

CAD/FIREHOUSE SCHEMA



Outliers

Contained below are the charts related to the outliers that were removed from the data sets.

Low Risk Fire:

IQR and times before Outliers removed

2017	AH	ToT	TT	TRT
1st QT	10	56	158	225
3rd QT	27	99	291	391
IQR	17	43	133	166
Upper Outlier	53	164	491	640
% Rank	91%	98%	94%	96%
90th Percentile Formula	517	127	391	502
90th Percentile (ss)	517	127	391	502
90th Percentile (mm:ss) Formula	08:37	02:07	06:31	08:22

2016	AH	ToT	TT	TRT
1st QT	29	7	130	263
3rd QT	133	79	246	416
IQR	104	72	116	153
Upper Outlier	289	187	420	645.5
% Rank	99%	100%	97%	98%
90th Percentile Formula	176	111	318	494
90th Percentile (ss)	176	111	318	494
90th Percentile (mm:ss) Formula	02:56	01:51	05:18	08:14

2015	AH	ToT	TT	TRT
1st QT	34	7	131	264
3rd QT	134	79	244	415
IQR	100	72	113	151
Upper Outlier	284	187	414	641.5
% Rank	99%	100%	97%	98%
90th Percentile Formula	177	113	313	493
90th Percentile (ss)	177	113	313	493
90th Percentile (mm:ss) Formula	02:57	01:53	05:13	08:13

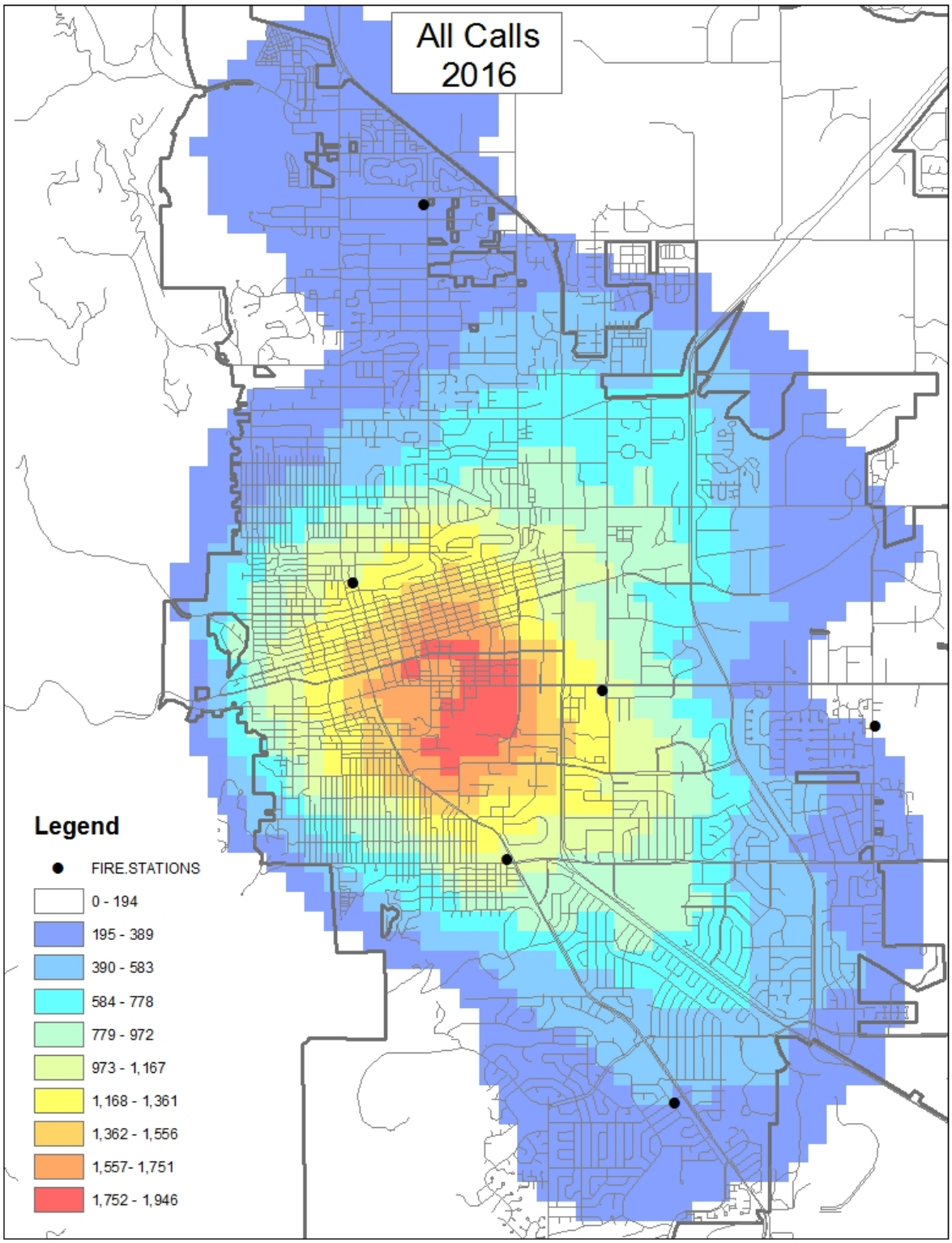
Moderate fire

2016	AH	ToT	TT	URT	TRT
1st QT	41	6	129	#NUM!	267
3rd QT	136	77	242	#NUM!	417
IQR	95	71	113	#NUM!	150
Upper Outlier	279	184	412	#NUM!	642
% Rank	99%	100%	98%	#NUM!	98%
90th Percentile Formula	179	110	310	#NUM!	492
90th Percentile (ss)	179	110	310	#NUM!	492
90th Percentile (mm:ss) Formula	02:59	01:50	05:10	#NUM!	08:12

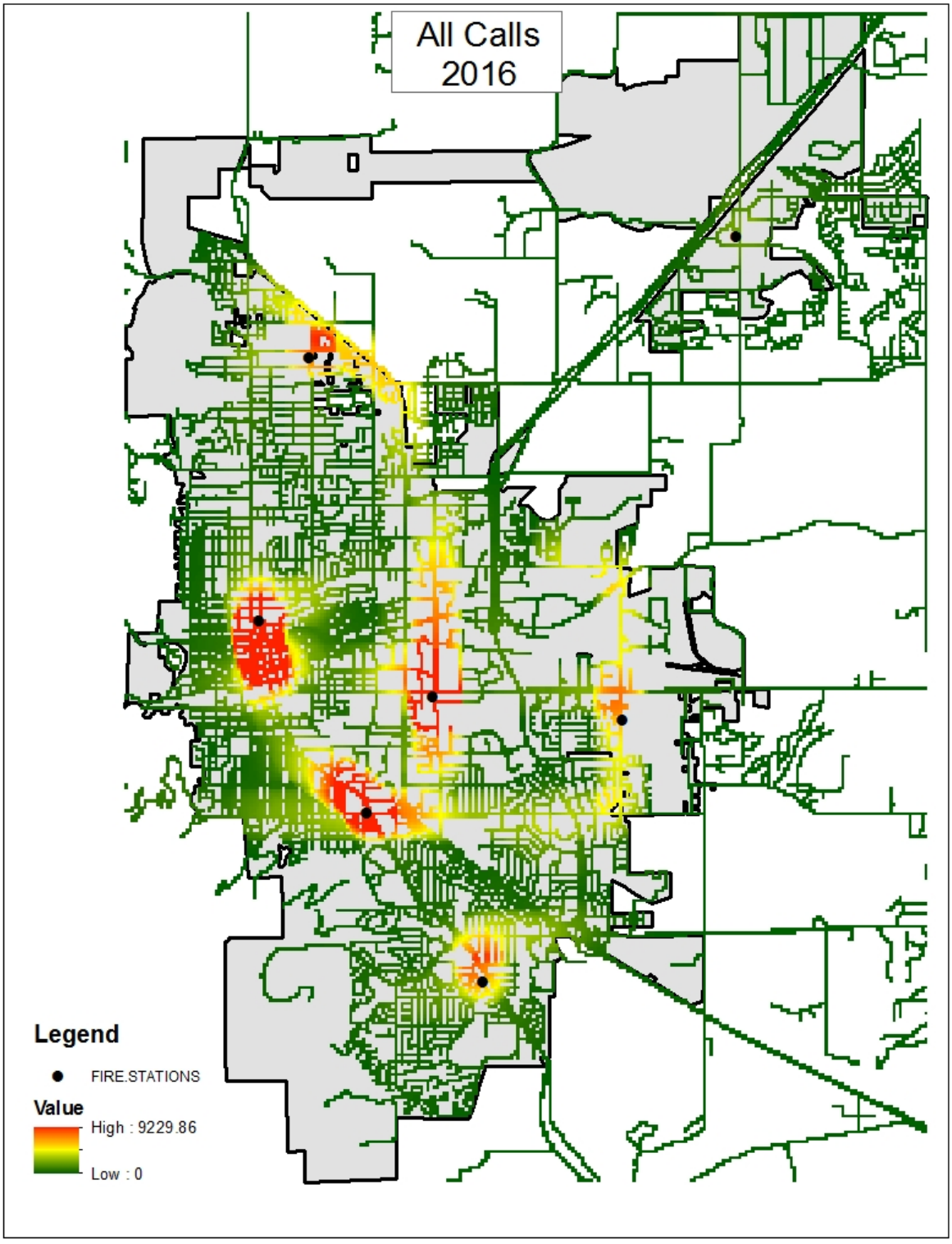
2015	AH	ToT	TT	URT	TRT
1st QT	40	7	129	#NUM!	267
3rd QT	136	78	242	#NUM!	417
IQR	96	71	113	#NUM!	150
Upper Outlier	280	185	412	#NUM!	642
% Rank	99%	100%	98%	#NUM!	98%
90th Percentile Formula	179	110	311	#NUM!	492
90th Percentile (ss)	179	110	311	#NUM!	492
90th Percentile (mm:ss) Formula	02:59	01:50	05:11	#NUM!	08:12

Incident and Route Frequency

Incident Frequency – location


All Calls
2016
Legend
FIRE.STATIONS
0 - 194
195 - 389
390 - 583
584 - 778
779 - 972
973 - 1,167
1,168 - 1,361
1,362 - 1,556
1,557- 1,751
1,752 - 1,946

Route Frequency


All Calls
2016
Legend
FIRE.STATIONS
Value
High : 9229.86
Low : 0