

LOWER MACUNGIE FIRE DEPARTMENT

P.O. Box 3002 · WESCOSVILLE, PA 18106
WWW.FIRESTATION30.ORG

STATISTICAL YEAR IN REVIEW:

2015

BRANDYWINE STATION
6229 SAUERKRAUT LANE
(610) 965-7797



WESCOSVILLE STATION
958 BROOKSIDE ROAD
(610) 398-0996

2015 POINTS OF INTEREST:

- Total responses for LMFD: 425 (up from 398 in 2014)
- 350 responses in LMT and 75 responses outside LMT
- Of the 425 responses, 148 (34.8%) were false alarm activations (111 / 27.8% in 2014)
- Average turnout per incident: 15 (same from 2014)
- Average response time: 4 min 21 sec (4 min 14 sec in 2014)
- Busiest hour of the day: 1800-1900 hour (33 responses / 7.76% of call volume)
- Busiest day of the week: Monday (67 responses / 15.76% of call volume)
- Total man hours: 14,474.37 – staff of 50 (up from 11,368.13 in 2014)
- Total responses by Alburis Fire Department: 24 handled / 30 assists
- Total responses by Emmaus Fire Department: 3 handled / 10 assists
- Total responses by Macungie Fire Department: 23 handled / 16 assists
- Total responses by Upper Macungie Twp. Fire Depts.: 18 handled / 35 assists
- Total responses by Western Salisbury Fire Department: 4 handled / 11 assists
- Total fire responses (all fire departments) within LMT: 422 (362 in 2014)
- Total fire assists within LMT: 102 (up from 83 in 2014)

2015 RESPONSE RECAP

Lower Macungie Fire Department

Average Turnout per Incident

Alarm Date Between {01/01/2015} And {12/31/2015}
and Station = "30 "

Total Number of Incidents	425	Total Number of Responding Personnel	6291
Average Turnout per Incident		15	

Lower Macungie Fire Department

Type of Alarm Report (Summary)

Alarm Date Between {01/01/2015} And {12/31/2015}
and Station = "30 "

Type of Alarm	Count	Percent
A1 AFA - Residential False	68	16.00%
A2 AFA - Commercial False	34	8.00%
A3 AFA - Apartment Complex False	5	1.17%
A4 AFA - Water Flow False	10	2.35%
A5 AFA - CO Alarm False	17	4.00%
A6 AFA - Extended Care Facility False	14	3.29%
C0 Crash - Other	4	0.94%
C1 Crash - Injuries	17	4.00%
C2 Crash - Rescue	3	0.70%
C3 Crash - Motorcycle	3	0.70%
C5 Crash - Pedestrian	1	0.23%
C6 Crash - Clean-up/Spill (no injuries)	5	1.17%
D0 Dwelling - Other	12	2.82%
D1 Dwelling - Appliance/HVAC	13	3.05%
D2 Dwelling - Electrical	2	0.47%
D3 Dwelling - Garage	1	0.23%
D4 Dwelling - Basement	3	0.70%
D6 Dwelling - Kitchen	1	0.23%
D7 Dwelling - Chimney/Fireplace	3	0.70%
D9 Dwelling - CO/Gas/Odor/Smoke	16	3.76%
E0 Assist - Other	1	0.23%
E1 Assist - EMS Lifting	9	2.11%
E2 Assist - EMS Medical Event	11	2.58%
E3 Assist - Police	2	0.47%
E4 Assist - Citizen - Water Evacuation	1	0.23%
E8 Assist - EMS AED fill in	3	0.70%
FP Fire Police Only / Traffic Control	14	3.29%
H0 Haz-Mat - Other	1	0.23%
H1 Haz-Mat - Fuel Spill	5	1.17%
M0 Apartment Building - Other	1	0.23%
M1 Apartment Building - Appliance/HVAC	2	0.47%
M9 Apartment Building - CO/Gas/Odor/Smoke	1	0.23%
O0 Outside - Other	6	1.41%
O1 Outside - Brush	4	0.94%
O2 Outside - Controlled Burn	3	0.70%
O3 Outside - Rubbish	3	0.70%
O5 Outside - Appliance/Grill	1	0.23%
O6 Outside - Smoke Investigation	2	0.47%
O7 Outside - Odor Investigation	6	1.41%
O8 Outside - Gas Line Struck	1	0.23%
O9 Outside - Wires	5	1.17%
R0 Rescue - Other	1	0.23%
R2 Rescue - High Angle	1	0.23%

Lower Macungie Fire Department

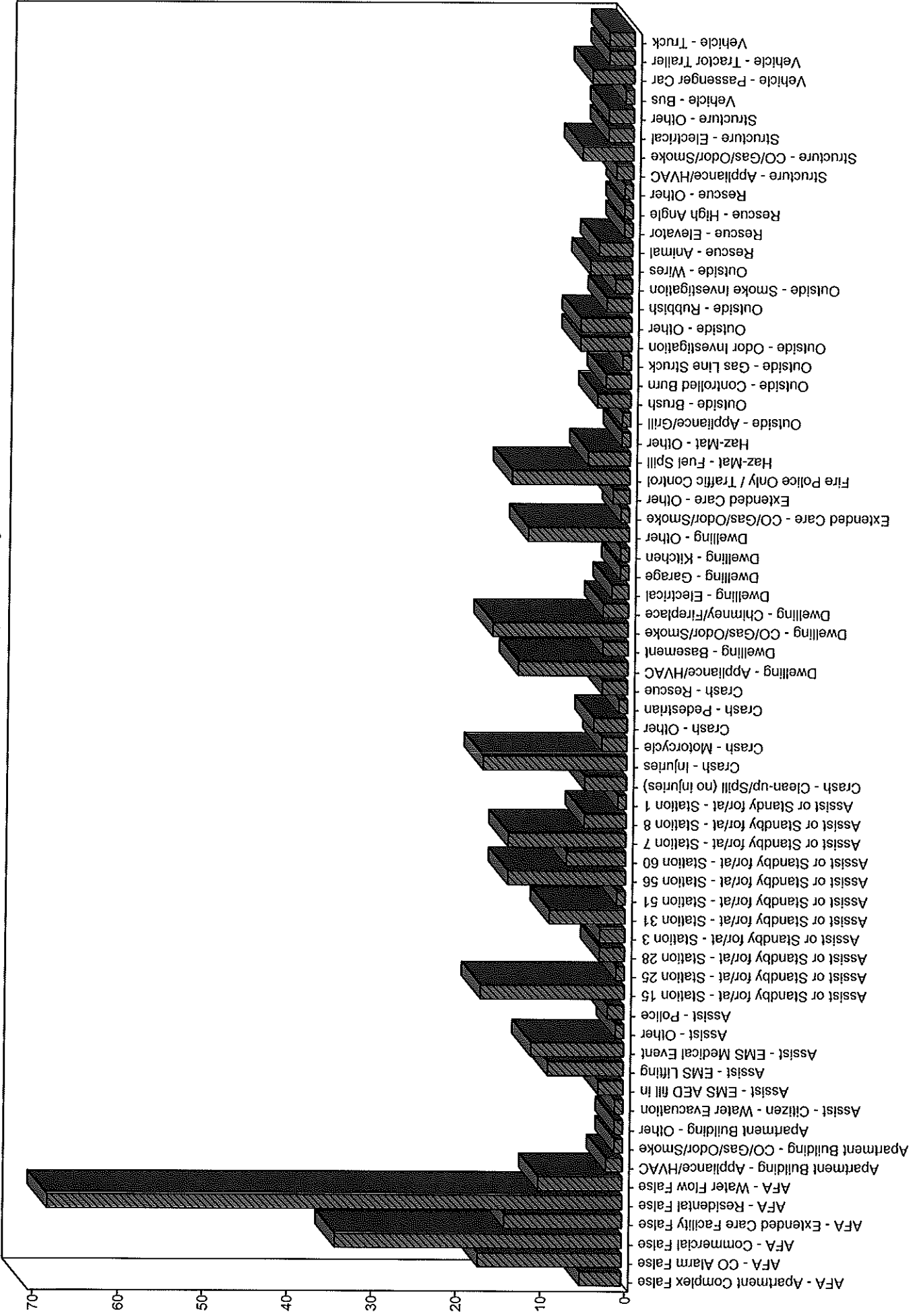
Type of Alarm Report (Summary)

Alarm Date Between {01/01/2015} And {12/31/2015}
and Station = "30 "

Type of Alarm	Count	Percent
R5 Rescue - Elevator	1	0.23%
R6 Rescue - Animal	4	0.94%
S0 Structure - Other	3	0.70%
S1 Structure - Appliance/HVAC	2	0.47%
S2 Structure - Electrical	3	0.70%
S9 Structure - CO/Gas/Odor/Smoke	6	1.41%
V1 Vehicle - Passenger Car	5	1.17%
V2 Vehicle - Tractor Trailer	3	0.70%
V3 Vehicle - Truck	3	0.70%
V4 Vehicle - Bus	1	0.23%
X0 Extended Care - Other	2	0.47%
X9 Extended Care - CO/Gas/Odor/Smoke	1	0.23%
Y1 Assist or Standby for/at - Station 1	1	0.23%
Y2 Assist or Standby for/at - Station 3	3	0.70%
Y3 Assist or Standby for/at - Station 7	14	3.29%
Y4 Assist or Standby for/at - Station 8	5	1.17%
Y5 Assist or Standby for/at - Station 15	17	4.00%
Y6 Assist or Standby for/at - Station 25	1	0.23%
Y7 Assist or Standby for/at - Station 31	9	2.11%
Y8 Assist or Standby for/at - Station 60	7	1.64%
YC Assist or Standby for/at - Station 28	3	0.70%
YE Assist or Standby for/at - Station 56	14	3.29%
YF Assist or Standby for/at - Station 51	1	0.23%

Total Incident Count: 425

Type of Alarm Summary Graph
 Alarm Date Between {01/01/2015} And {12/31/2015} and Station = "30 "



Alarm Type

Lower Macungie Fire Department

Departmental Activity Report

Current Period: 01/01/2015 to 12/31/2015, Prior Period: 01/01/2014 to 12/31/2014

00:00 to 24:00

Stations: 30

All Shifts

All Units

Fire Alarm Responses, Training Classes, Activities (Non-Incident), Departmental Events

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
Fire Alarm Situations				
Accident, potential accident	2	11.44	0	0.00
Animal problem or rescue	4	15.43	1	8.10
Chemical release, reaction, or toxic	4	23.56	7	62.84
Combustible/flammable spills & leaks	14	205.37	13	103.38
Controlled burning	0	0.00	1	1.95
Cover assignment, standby at fire station,	7	114.01	5	156.90
Dispatched and cancelled en route	34	57.14	60	92.05
Electrical wiring/equipment problem	21	210.56	24	194.31
Emergency medical service (EMS) Incident	27	319.65	31	314.50
Excessive heat, scorch burns with no	2	8.81	0	0.00
Extrication, rescue	8	113.39	12	203.24
False alarm and false call, Other	5	19.42	7	37.31
Fire in mobile property used as a fixed	0	0.00	3	79.15
Fire, Other	2	24.69	4	23.84
Good intent call, Other	28	173.97	19	81.64
Hazardous condition, Other	2	21.91	5	50.78
HazMat release investigation w/no HazMat	0	0.00	4	26.79
Malicious, mischievous false alarm	0	0.00	1	3.74
Medical assist	20	78.29	9	44.67
Mobile property (vehicle) fire	11	93.62	2	41.80
Natural vegetation fire	8	87.27	5	32.10
Outside rubbish fire	3	23.59	2	61.09
Overpressure rupture, explosion, overheat,	1	10.30	0	0.00
Person in distress	1	2.70	0	0.00
Public service assistance	26	202.69	27	162.38
Rescue, emergency medical call (EMS),	0	0.00	1	11.60
Service call, Other	1	2.55	4	18.44
Smoke, odor problem	1	12.24	0	0.00
Special outside fire	2	13.20	1	3.64
Steam, Other gas mistaken for smoke	2	15.68	1	4.32
Structure Fire	31	1,351.94	25	665.98
System or detector malfunction	63	307.46	28	127.04
Unauthorized burning	3	12.08	3	14.43
Unintentional system/detector operation	86	282.18	79	241.83
Water problem	1	36.60	7	54.60
Wrong location, no emergency found	5	11.65	7	24.47

* Staff hours for Fire Alarm responses that have an associated EMS alarm record are considered shared hours. Shared hours are posted only with the EMS alarm responses to avoid duplication of staff hours in totals.

Lower Macungie Fire Department

Departmental Activity Report

Current Period: 01/01/2015 to 12/31/2015, Prior Period: 01/01/2014 to 12/31/2014

00:00 to 24:00

Stations: 30

All Shifts

All Units

Fire Alarm Responses, Training Classes, Activities (Non-Incident), Departmental Events

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
	425	3,863.39	398	2,948.91
Non-Incident Activities				
Fire Call	2	1.33	3	1.08
Fire Police - County Meeting	18	45.00	5	15.00
Fire Police - Meeting	0	0.00	4	8.00
Fire Prevention	89	178.16	100	177.49
Meeting	415	613.58	316	423.72
School	334	1,684.25	286	1,610.80
Training	10	70.00	0	0.00
Work Detail	2,150	4,682.66	1,614	3,019.77
	<u>3,018</u>	<u>7,274.98</u>	<u>2,328</u>	<u>5,255.86</u>
Training				
Training	1,321	3,336.00	1,245	3,163.36
	<u>1,321</u>	<u>3,336.00</u>	<u>1,245</u>	<u>3,163.36</u>

Staff hours for Fire Alarm responses that have an associated EMS alarm record are considered shared hours. Shared hours are posted only with the EMS alarm responses to avoid duplication of staff hours in totals.

Lower Macungie Fire Department

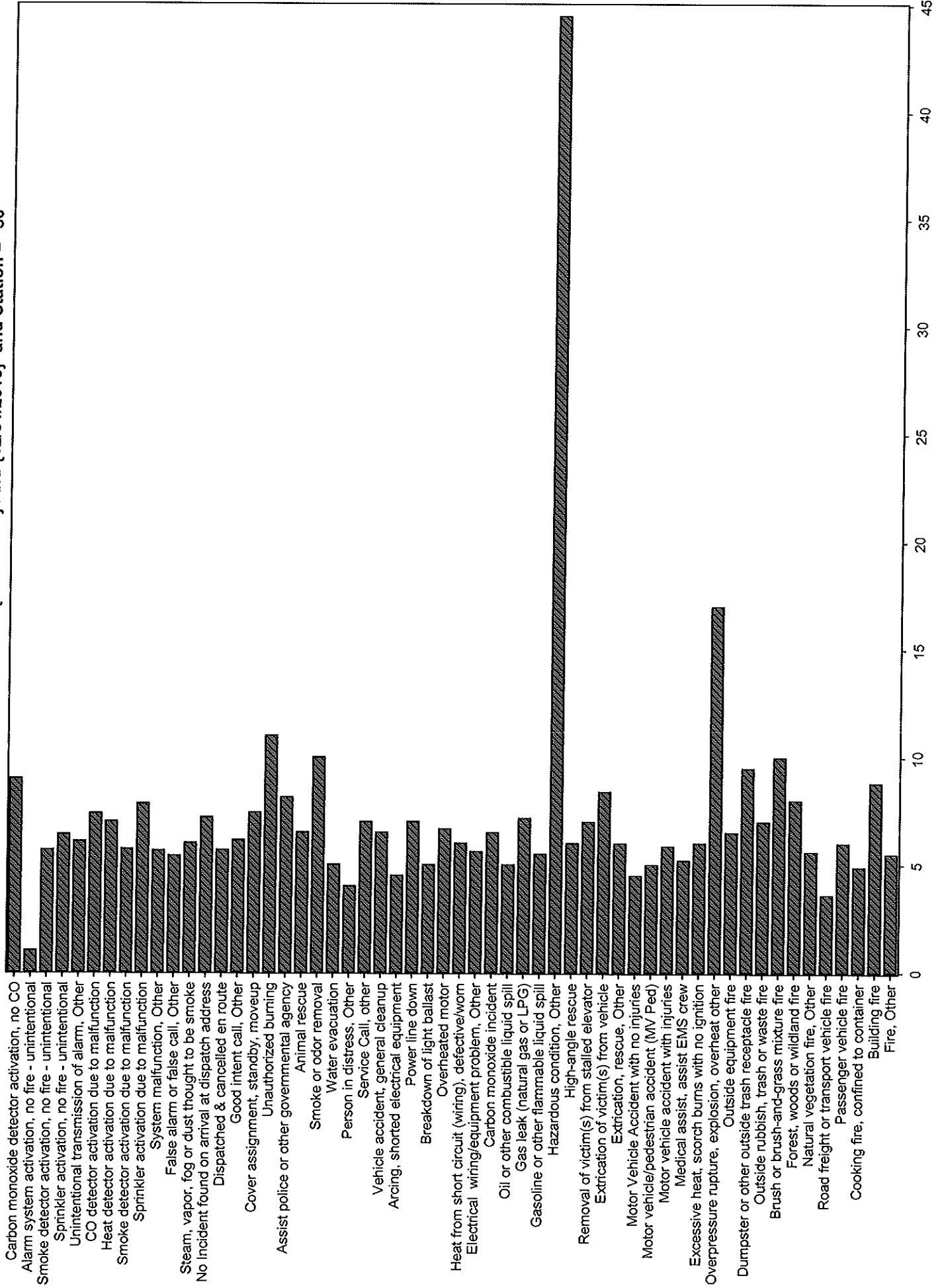
Unit Response Time Analysis

Alarm Date Between {01/01/2015} And {12/31/2015}

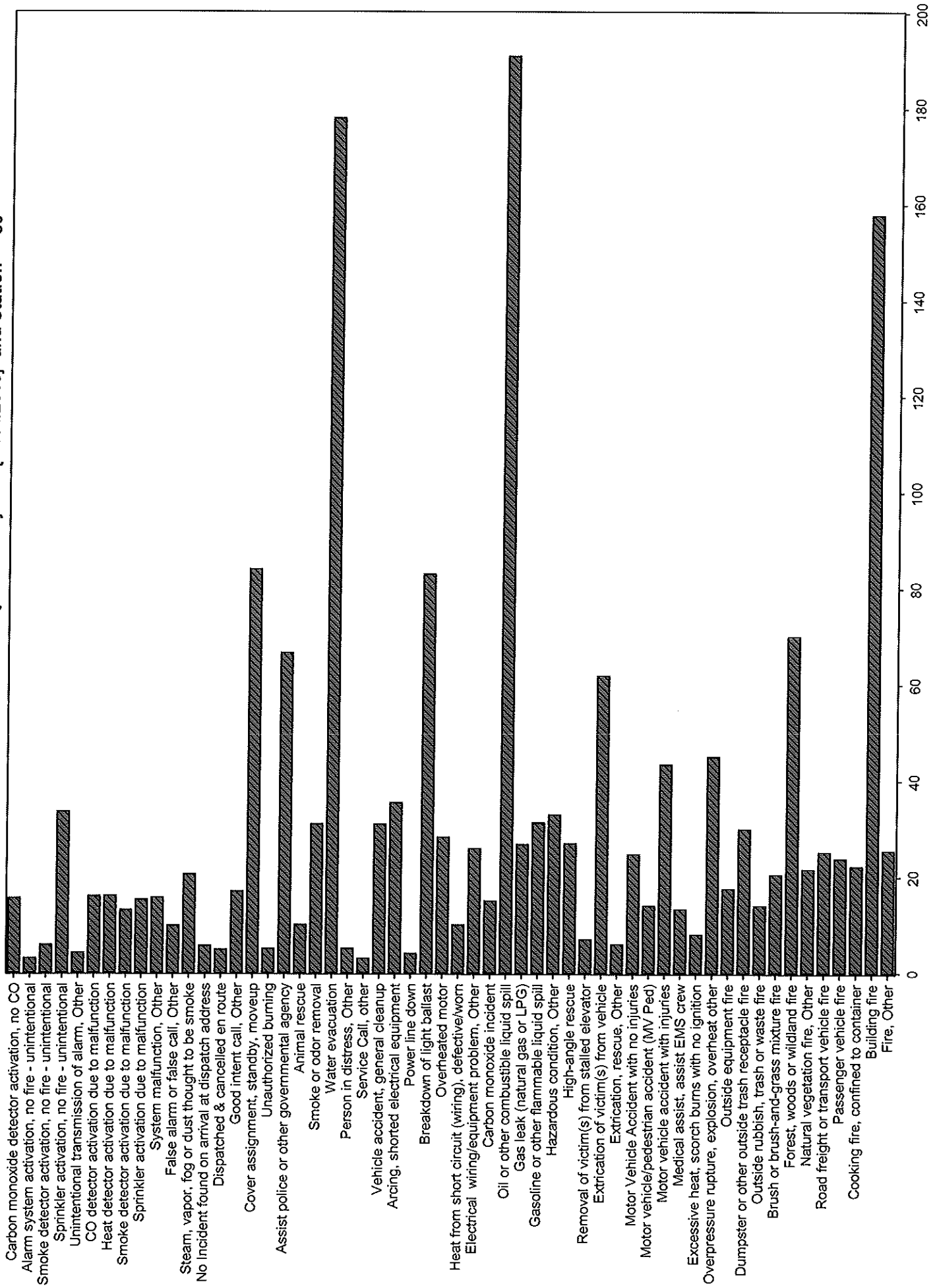
Response		Count	Percentage
Hrs	Mins		
	< 01	14	1.7%
	01	48	5.9%
	02	96	11.9%
	03	166	20.6%
	04	134	16.6%
	05	151	18.7%
	06	68	8.4%
	07	50	6.2%
	08	24	2.9%
	09	25	3.1%
	10	21	2.6%
	11	3	0.3%
	12	1	0.1%
	13	1	0.1%
	15	1	0.1%
	16	1	0.1%

Overall Average Response Time: 00:04:21

Average Minutes to Respond by Incident Type
Alarm Date Between {01/01/2015} And {12/31/2015} and Station = "30 "



Average Minutes on Scene by Incident Type
Alarm Date Between {01/01/2015} And {12/31/2015} and Station = "30 "



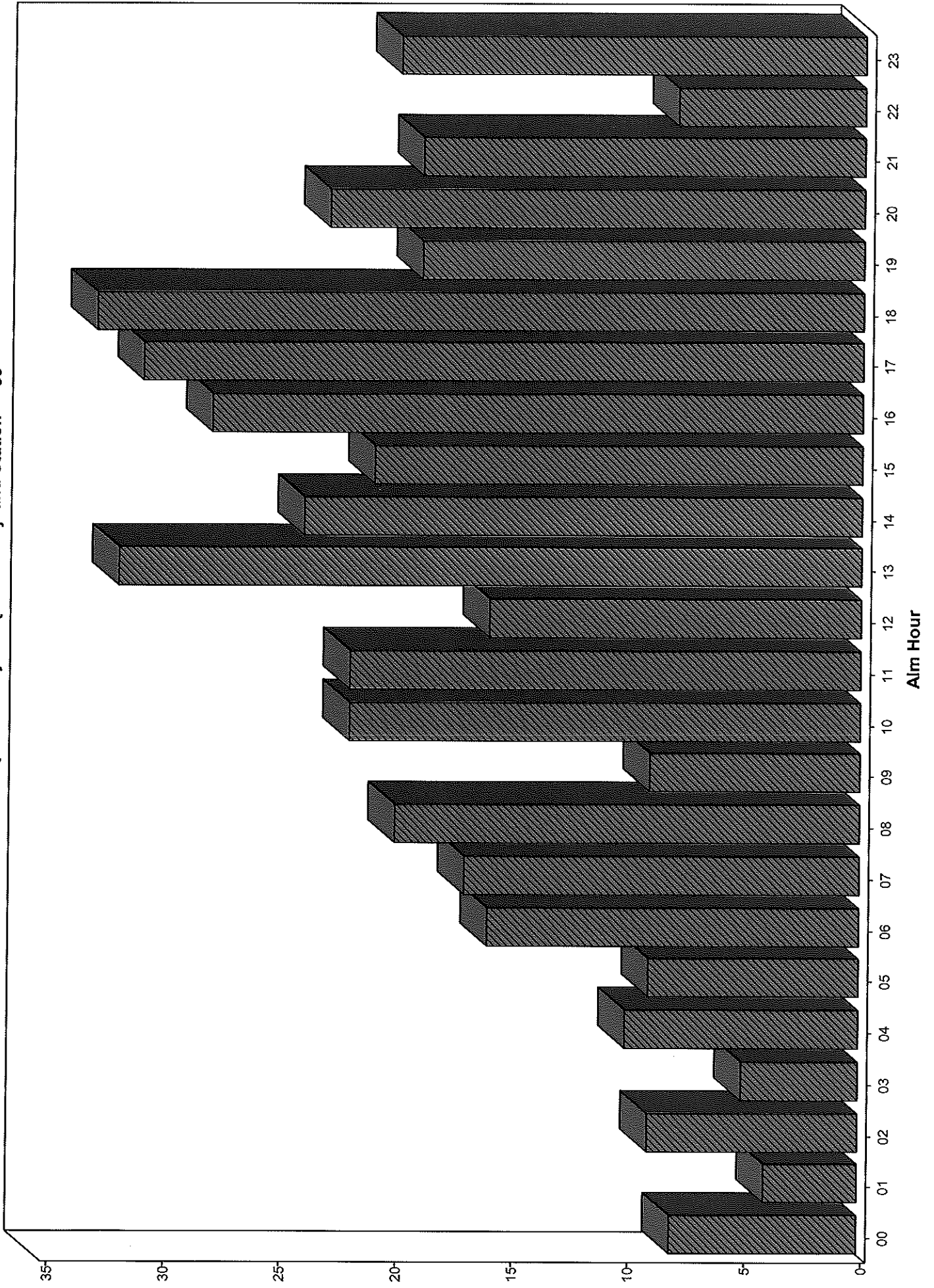
Lower Macungie Fire Department

Alarm Time Analysis

Alarm Date Between {01/01/2015} And {12/31/2015}
and Station = "30 "

Alarm Hour	Count	Percent
00:00	8	1.88%
01:00	4	0.94%
02:00	9	2.11%
03:00	5	1.17%
04:00	10	2.35%
05:00	9	2.11%
06:00	16	3.76%
07:00	17	4.00%
08:00	20	4.70%
09:00	9	2.11%
10:00	22	5.17%
11:00	22	5.17%
12:00	16	3.76%
13:00	32	7.52%
14:00	24	5.64%
15:00	21	4.94%
16:00	28	6.58%
17:00	31	7.29%
18:00	33	7.76%
19:00	19	4.47%
20:00	23	5.41%
21:00	19	4.47%
22:00	8	1.88%
23:00	20	4.70%

Count of Incidents by Alarm Hour
Alarm Date Between {01/01/2015} And {12/31/2015} and Station = "30 "



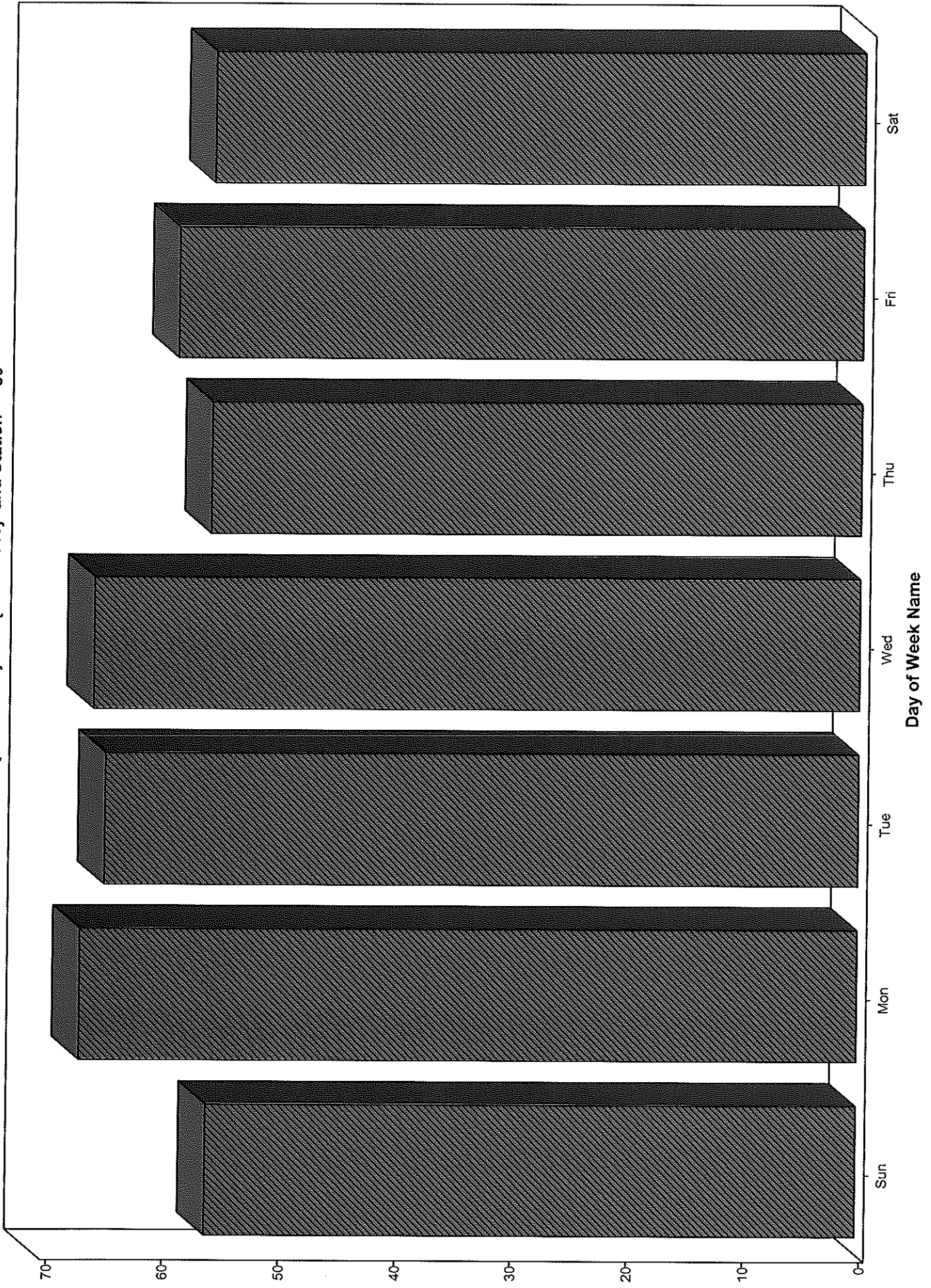
Lower Macungie Fire Department

Incidents by Day of Week/Shift

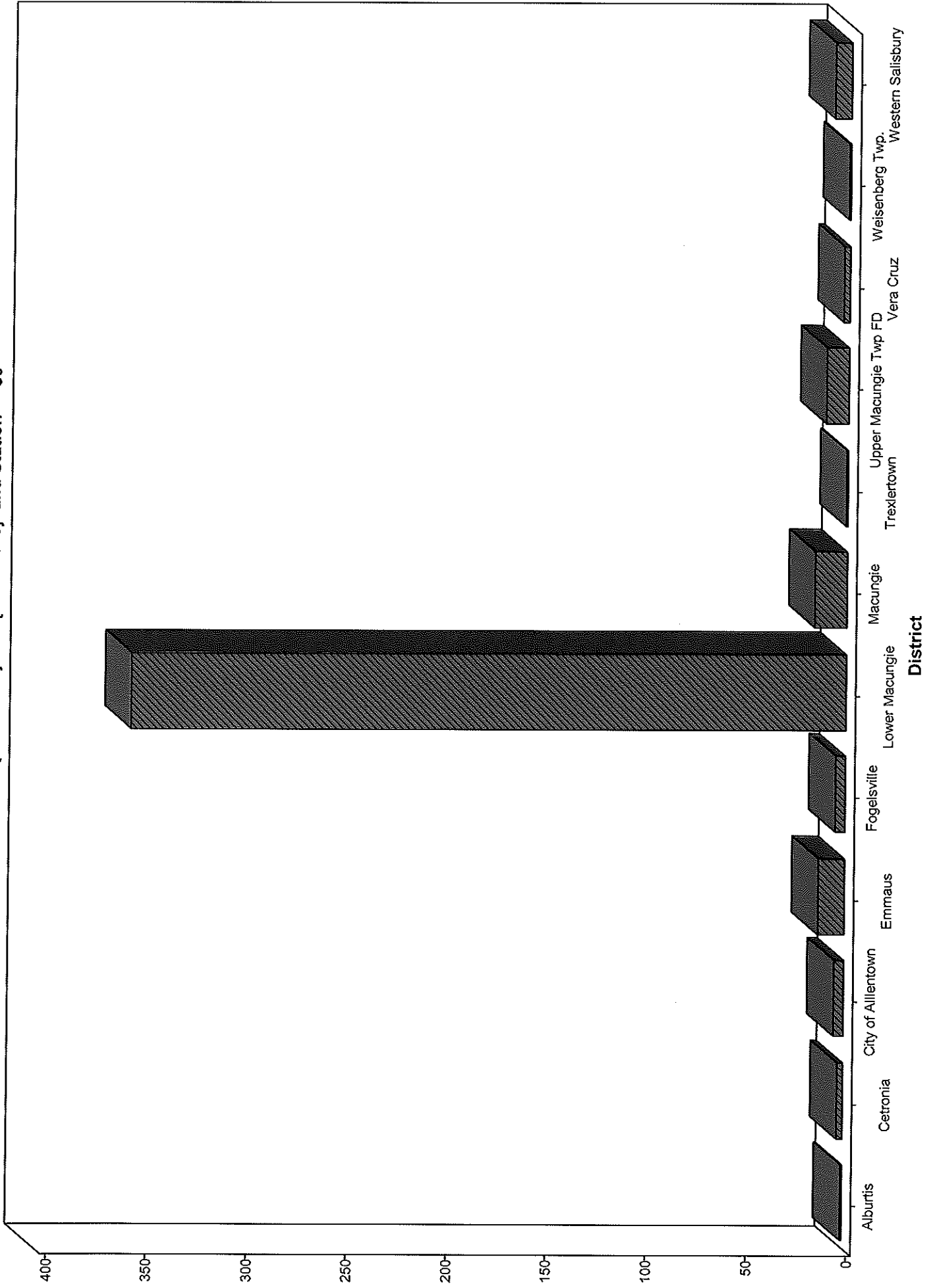
Alarm Date Between {01/01/2015} And {12/31/2015}
and Station = "30 "

Day/Shift	Count	Pct.
Sunday		
* < No Shift Specified >	56	13.17 %
	<u>56</u>	<u>13.17 %</u>
Monday		
* < No Shift Specified >	67	15.76 %
	<u>67</u>	<u>15.76 %</u>
Tuesday		
* < No Shift Specified >	65	15.29 %
	<u>65</u>	<u>15.29 %</u>
Wednesday		
* < No Shift Specified >	66	15.52 %
	<u>66</u>	<u>15.52 %</u>
Thursday		
* < No Shift Specified >	56	13.17 %
	<u>56</u>	<u>13.17 %</u>
Friday		
* < No Shift Specified >	59	13.88 %
	<u>59</u>	<u>13.88 %</u>
Saturday		
* < No Shift Specified >	56	13.17 %
	<u>56</u>	<u>13.17 %</u>

Incident Responses by Day of Week
Alarm Date Between {01/01/2015} And {12/31/2015} and Station = "30 "

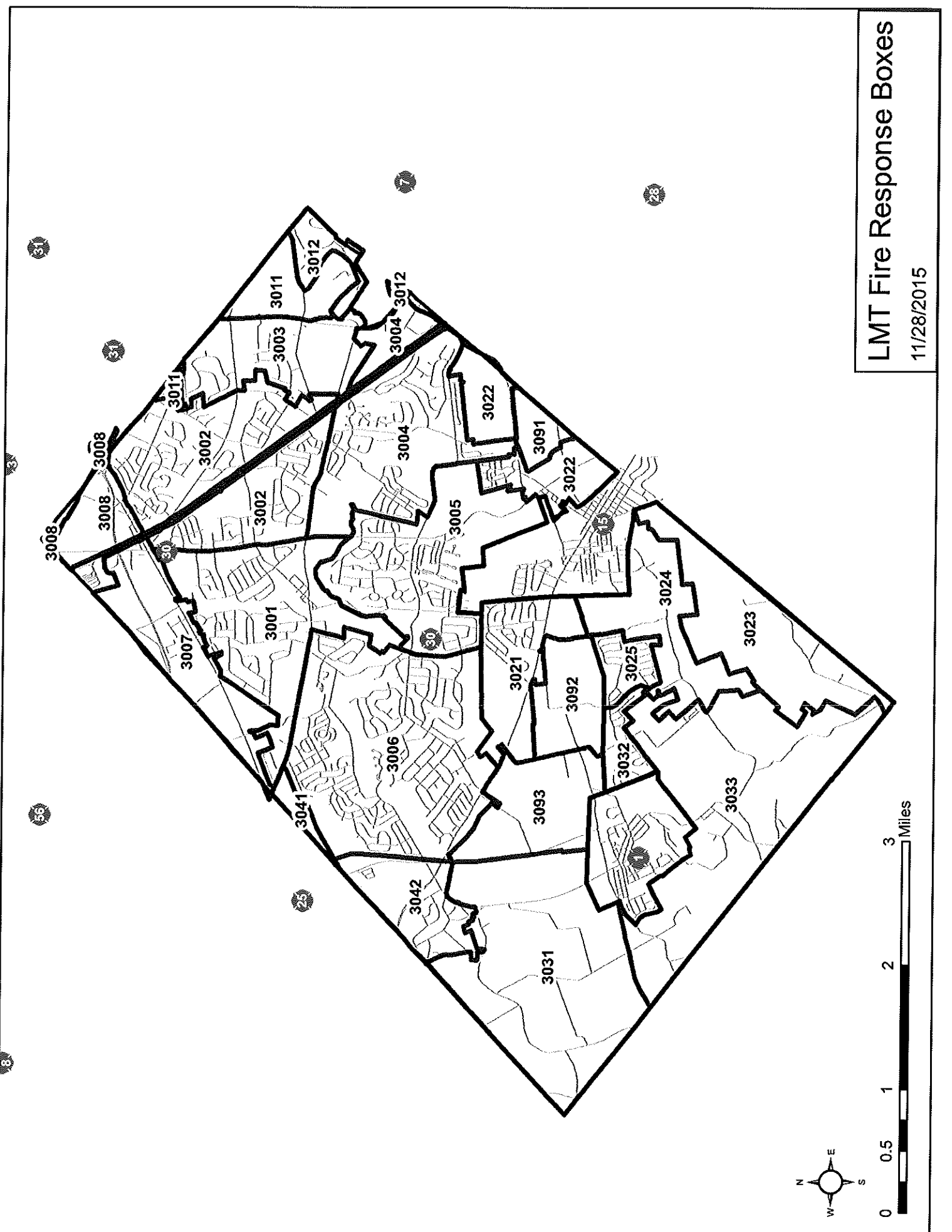


Incidents by District
Alarm Date Between {01/01/2015} And {12/31/2015} and Station = "30 "



LMT Fire Response Boxes

11/28/2015



	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL										
BOX:																							
30-01	7	2	1	1		3	3	3	2	4	5	5	36										
30-02	5	4	1	5	3	4	4	3	4	6	3	4	46										
30-03	2		1		3	2	2	3	1	3			14										
30-04	4	3	1	2	4	1	6	3	2	4	2	2	34										
30-05	3	5	2		4	3	1		2	1	1		21										
30-06	5	3	10	8	4	3	11	4	3	10	3	3	72										
30-07	3	1	3	7	6	2	6	6	4	9	1	2	50										
30-08	1		3	3	1	2	2	2	3		2		17										
30-11													0										
30-12	1	1	2	1		1	1		1			1	1										
30-21																							
30-22	1			1	4				2	2		1	12										
30-23																							
30-24		1							1	1			9										
30-25													2										
30-31													0										
30-32													2										
30-33													1										
30-41	1			1	1								2										
30-42		1		2					2		1	1	5										
30-91									1			1	5										
30-92													0										
30-93		1	1	1	1	2	3	2	3				2										
LMT TOTAL:	33	0	29	0	26	0	32	0	34	0	22	0	23	0	29	0	40	0	17	0	21	0	344
2015 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 30													grand totals:	#REF!									

	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTAL			
	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL	ASSIST	TOTAL
BOX:																												
30-01																												
30-02																												
30-03																												
30-04																												
30-05																												
30-06	1						1																					
30-07																												
30-08																												
30-11																												
30-12																												
30-21																												
30-22									1																			
30-23				1																								
30-24																												
30-25																												
30-31	1			1									1															
30-32			2	1			1	1	1				3															
30-33								2																				
30-41				1			1		1				3															
30-42								1																				
30-91																												
30-92																												
30-93														2														
TOTAL:	0	2	2	5	4	2	4	3	2	3	6	2	0	3	2	2	1	3	0	1	2	1	2	1	1	1	3	24
2015 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 1																												
																							total in:		54			

BOX:	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTAL
	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST
30-01	1																								1
30-02		1																							1
30-03					2																				0
30-04	2	1			1																				0
30-05																									0
30-06																									0
30-07																									0
30-08																									0
30-09																									0
30-10																									0
30-11																									0
30-12		1					1																		0
30-21																									0
30-22																									0
30-23																									0
30-24																									0
30-25																									0
30-31																									0
30-32																									0
30-33																									0
30-41																									0
30-42																									0
30-91																									0
30-92																									0
30-93																									0
TOTAL:	0	3	1	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3
2015 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 7																									
																							total in:		13

BOX:	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTAL			
	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	
30-01																												
30-02																												
30-03																												
30-04																												
30-05																												
30-06		1																										
30-07																												
30-08																												
30-11																												
30-12																												
30-21																												
30-22		1																										
30-23																												
30-24																												
30-25		1																										
30-31																												
30-32																												
30-33																												
30-41																												
30-42																												
30-91																												
30-92																												
30-93																												
TOTAL:	1	2	2	1	1	1	1	0	1	3	3	4	2	0	1	3	1	3	1	1	1	2	0	3	2	23	16	
2015 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 15																												
																									total in:		49	

	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTAL	TOTAL	
	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	
BOX:																											
30-01	1		1										1													3	
30-02				1																						0	
30-03																										1	
30-04																										2	
30-05																										0	
30-06				2																						0	
30-07								1					3													11	
30-08													2													0	
30-11								1																		0	
30-12																										4	
30-21																										0	
30-22																										0	
30-23																										0	
30-24																										0	
30-25																										0	
30-31													1													1	
30-32																										0	
30-33																										0	
30-41																										0	
30-42	1			1				1					1													1	
30-91																										0	
30-92																										0	
30-93																										0	
TOTAL:	1	4	1	5	1	2	2	4	0	3	1	0	1	7	1	2	1	4	3	1	6	0	0	3	18	35	
2015 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 8.25.56																											
																										total in:	53

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL	TOTAL	
	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	
BOX:															
30-01													0	0	
30-02				1		1			2	1	1		0	8	
30-03													0	0	
30-04													0	0	
30-05													0	0	
30-06													0	0	
30-07												1	0	1	
30-08				1			1						0	0	
30-11	1										1		0	2	
30-12											1	1	0	0	
30-21													0	0	
30-22													0	0	
30-23													0	0	
30-24													0	0	
30-25													0	0	
30-31													0	0	
30-32													0	0	
30-33													0	0	
30-41													0	0	
30-42													0	0	
30-81													0	0	
30-92													0	0	
30-93													0	0	
TOTAL:	0	0	1	2	1	0	0	0	2	0	1	1	0	11	
	2015 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 31														
														total in:	15