

LOWER MACUNGIE FIRE DEPARTMENT

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

STATISTICAL YEAR IN REVIEW:

2016

BRANDYWINE STATION
6229 SAUERKRAUT LANE
(610) 965-7797



WESCOSVILLE STATION
958 BROOKSIDE ROAD
(610) 398-0996

2016 POINTS OF INTEREST:

- Total responses for LMF: 484 (up from 425 in 2015)
- 409 responses in LMT and 75 responses outside LMT
- Of the 484 responses, 165 (34.1%) were false alarm activations (148 / 34.8% in 2015)
- Average turnout per incident: 15 (same from 2015)
- Average response time: 4 min 27 sec (4 min 21 sec in 2015)
- Busiest hour of the day: 1700-1800 hour (40 responses / 8.26% of call volume)
- Busiest day of the week: Wednesday (91 responses / 18.8% of call volume)
- Total man hours: 12,241.50 – staff of 47 (down from 14,474.37 in 2015 / staff of 50)
- Total responses by Alburdis Fire Department: 22 handled / 31 assists / total of 53
- Total responses by Emmaus Fire Department: 3 handled / 6 assists / total of 9
- Total responses by Macungie Fire Department: 9 handled / 15 assists / total of 24
- Total responses by Upper Macungie Twp. Fire Depts.: 9 handled / 42 assists / total of 51
- Total responses by Western Salisbury Fire Department: 3 handled / 13 assists / total of 16
- Total fire responses (all fire departments) within LMT: 455 (422 in 2015)
- Total fire assists within LMT: 107 (up from 102 in 2015)

2016 RESPONSE RECAP

Lower Macungie Fire Department

Average Turnout per Incident

Alarm Date Between {01/01/2016} And {12/31/2016}
and Station = "30 "

Total Number of Incidents	484	Total Number of Responding Personnel	7025
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Average Turnout per Incident	15
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Lower Macungie Fire Department

Type of Alarm Report (Summary)

Alarm Date Between {01/01/2016} And {12/31/2016}
and Station = "30 "

Type of Alarm	Count	Percent
A1 AFA - Residential False	72	14.87%
A2 AFA - Commercial False	54	11.15%
A3 AFA - Apartment Complex False	7	1.44%
A4 AFA - Water Flow False	8	1.65%
A5 AFA - CO Alarm False	13	2.68%
A6 AFA - Extended Care Facility False	11	2.27%
C0 Crash - Other	3	0.61%
C1 Crash - Injuries	27	5.57%
C2 Crash - Rescue	5	1.03%
C3 Crash - Motorcycle	3	0.61%
C4 Crash - Bicycle	2	0.41%
C5 Crash - Pedestrian	3	0.61%
C6 Crash - Clean-up/Spill (no injuries)	3	0.61%
C7 Crash - Fatal	2	0.41%
D0 Dwelling - Other	6	1.23%
D1 Dwelling - Appliance/HVAC	14	2.89%
D2 Dwelling - Electrical	2	0.41%
D3 Dwelling - Garage	1	0.20%
D4 Dwelling - Basement	1	0.20%
D5 Dwelling - Attic	1	0.20%
D7 Dwelling - Chimney/Fireplace	2	0.41%
D8 Dwelling - Bedroom	1	0.20%
D9 Dwelling - CO/Gas/Odor/Smoke	18	3.71%
E0 Assist - Other	2	0.41%
E1 Assist - EMS Lifting	14	2.89%
E2 Assist - EMS Medical Event	9	1.85%
E3 Assist - Police	5	1.03%
E4 Assist - Citizen - Water Evacuation	3	0.61%
E5 Assist - Citizen - Lock Out	3	0.61%
E7 Assist - EMS AED auto	1	0.20%
E8 Assist - EMS AED fill in	4	0.82%
FP Fire Police Only / Traffic Control	10	2.06%
H0 Haz-Mat - Other	1	0.20%
H1 Haz-Mat - Fuel Spill	2	0.41%
N1 Apartment Building - Appliance/HVAC	1	0.20%
N9 Apartment Building - CO/Gas/Odor/Smoke	2	0.41%
O0 Outside - Other	3	0.61%
O1 Outside - Brush	22	4.54%
O2 Outside - Controlled Burn	4	0.82%
O6 Outside - Smoke Investigation	2	0.41%
O7 Outside - Odor Investigation	11	2.27%
O8 Outside - Gas Line Struck	4	0.82%
O9 Outside - Wires	12	2.47%

Lower Macungie Fire Department

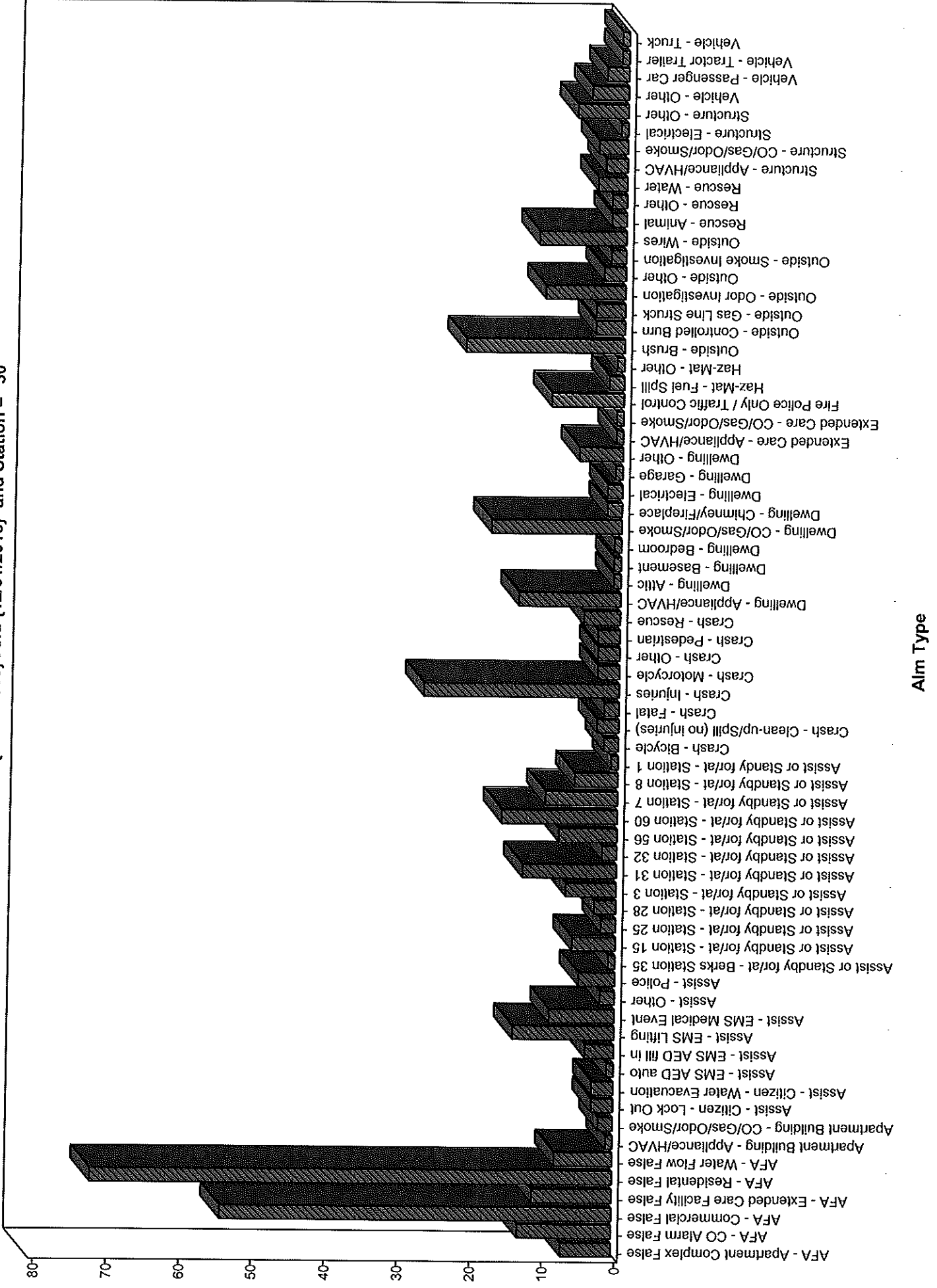
Type of Alarm Report (Summary)

Alarm Date Between {01/01/2016} And {12/31/2016}
and Station = "30 "

Type of Alarm	Count	Percent
R0 Rescue - Other	2	0.41%
R6 Rescue - Animal	2	0.41%
R7 Rescue - Water	4	0.82%
S0 Structure - Other	7	1.44%
S1 Structure - Appliance/HVAC	3	0.61%
S2 Structure - Electrical	1	0.20%
S9 Structure - CO/Gas/Odor/Smoke	4	0.82%
V0 Vehicle - Other	5	1.03%
V1 Vehicle - Passenger Car	3	0.61%
V2 Vehicle - Tractor Trailer	1	0.20%
V3 Vehicle - Truck	1	0.20%
X1 Extended Care - Appliance/HVAC	1	0.20%
X9 Extended Care - CO/Gas/Odor/Smoke	1	0.20%
Y1 Assist or Standby for/at - Station 1	1	0.20%
Y2 Assist or Standby for/at - Station 3	7	1.44%
Y3 Assist or Standby for/at - Station 7	10	2.06%
Y4 Assist or Standby for/at - Station 8	6	1.23%
Y5 Assist or Standby for/at - Station 15	6	1.23%
Y6 Assist or Standby for/at - Station 25	2	0.41%
Y7 Assist or Standby for/at - Station 31	13	2.68%
Y8 Assist or Standby for/at - Station 60	16	3.30%
YC Assist or Standby for/at - Station 28	3	0.61%
YD Assist or Standby for/at - Station 32	2	0.41%
YE Assist or Standby for/at - Station 56	8	1.65%
YG Assist or Standby for/at - Berks Station 35	1	0.20%

Total Incident Count: 484

Type of Alarm Summary Graph
 Alarm Date Between {01/01/2016} And {12/31/2016} and Station = "30 "



Lower Macungie Fire Department

Departmental Activity Report

Current Period: 01/01/2016 to 12/31/2016, Prior Period: 01/01/2015 to 12/31/2015

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	10.32	2	11.44
Animal problem or rescue	2	27.22	4	15.43
Chemical release, reaction, or toxic	5	30.04	4	23.56
Combustible/flammable spills & leaks	14	103.27	14	205.37
Controlled burning	2	10.02	0	0.00
Cover assignment, standby at fire station,	16	419.94	7	114.01
Dispatched and cancelled en route	41	61.21	34	57.14
Electrical wiring/equipment problem	28	171.33	21	210.56
Emergency medical service (EMS) Incident	42	543.93	27	319.65
Excessive heat, scorch burns with no	0	0.00	2	8.81
Extrication, rescue	9	213.92	8	113.39
False alarm and false call, Other	0	0.00	5	19.42
Fire, Other	0	0.00	2	24.69
Good intent call, Other	24	128.87	28	173.97
Hazardous condition, Other	4	22.31	2	21.91
Lock-In	1	6.70	0	0.00
Medical assist	23	179.26	20	78.29
Mobile property (vehicle) fire	12	105.66	11	93.62
Natural vegetation fire	24	222.66	8	87.27
Outside rubbish fire	0	0.00	3	23.59
Overpressure rupture, explosion, overheat,	0	0.00	1	10.30
Person in distress	1	3.00	1	2.70
Public service assistance	18	89.59	26	202.69
Service call, Other	1	4.60	1	2.55
Smoke, odor problem	1	2.28	1	12.24
Special outside fire	1	30.40	2	13.20
Steam, Other gas mistaken for smoke	3	13.96	2	15.68
Structure Fire	27	853.67	31	1,351.94
System or detector malfunction	58	241.96	63	307.46
Unauthorized burning	3	6.17	3	12.08
Unintentional system/detector operation	110	276.86	86	282.18
Water or ice-related rescue	2	44.45	0	0.00
Water problem	5	71.92	1	36.60
Wrong location, no emergency found	5	17.42	5	11.65
	<u>484</u>	<u>3,912.94</u>	<u>425</u>	<u>3,863.39</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

Departmental Activity Report

Current Period: 01/01/2016 to 12/31/2016, Prior Period: 01/01/2015 to 12/31/2015

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
Non-Incident Activities				
Fire Call	1	0.50	2	1.33
Fire Police - County Meeting	5	14.00	18	45.00
Fire Prevention	113	341.29	89	178.16
Meeting	487	710.99	415	613.58
School	242	1,547.75	334	1,684.25
Training	11	33.00	10	70.00
Work Detail	1,677	2,468.29	2,150	4,682.66
	<u>2,536</u>	<u>5,115.82</u>	<u>3,018</u>	<u>7,274.98</u>
Training				
Training	1,281	3,212.74	1,321	3,336.00
	<u>1,281</u>	<u>3,212.74</u>	<u>1,321</u>	<u>3,336.00</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

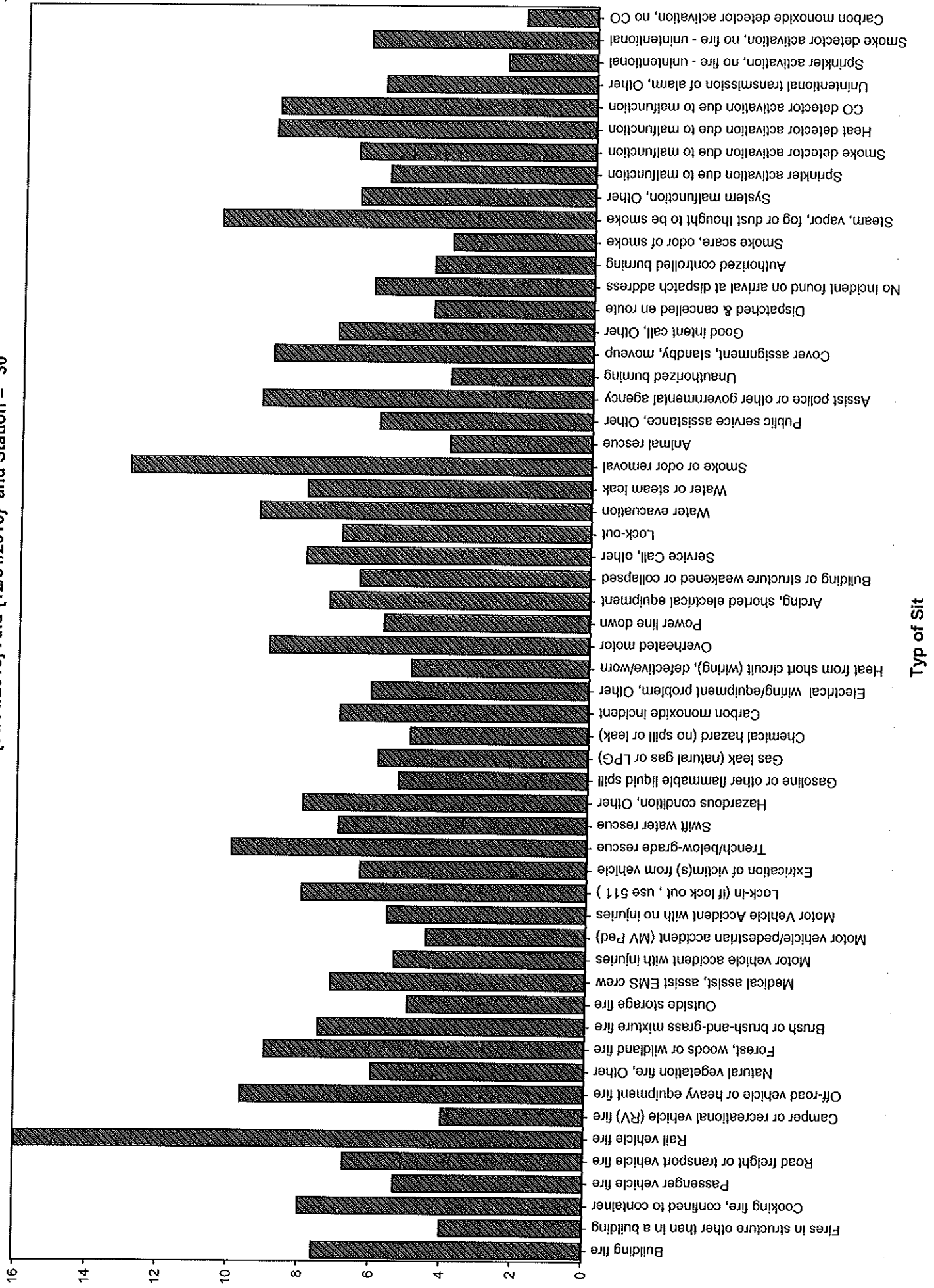
Unit Response Time Analysis

Alarm Date Between {01/01/2016} And {12/31/2016}

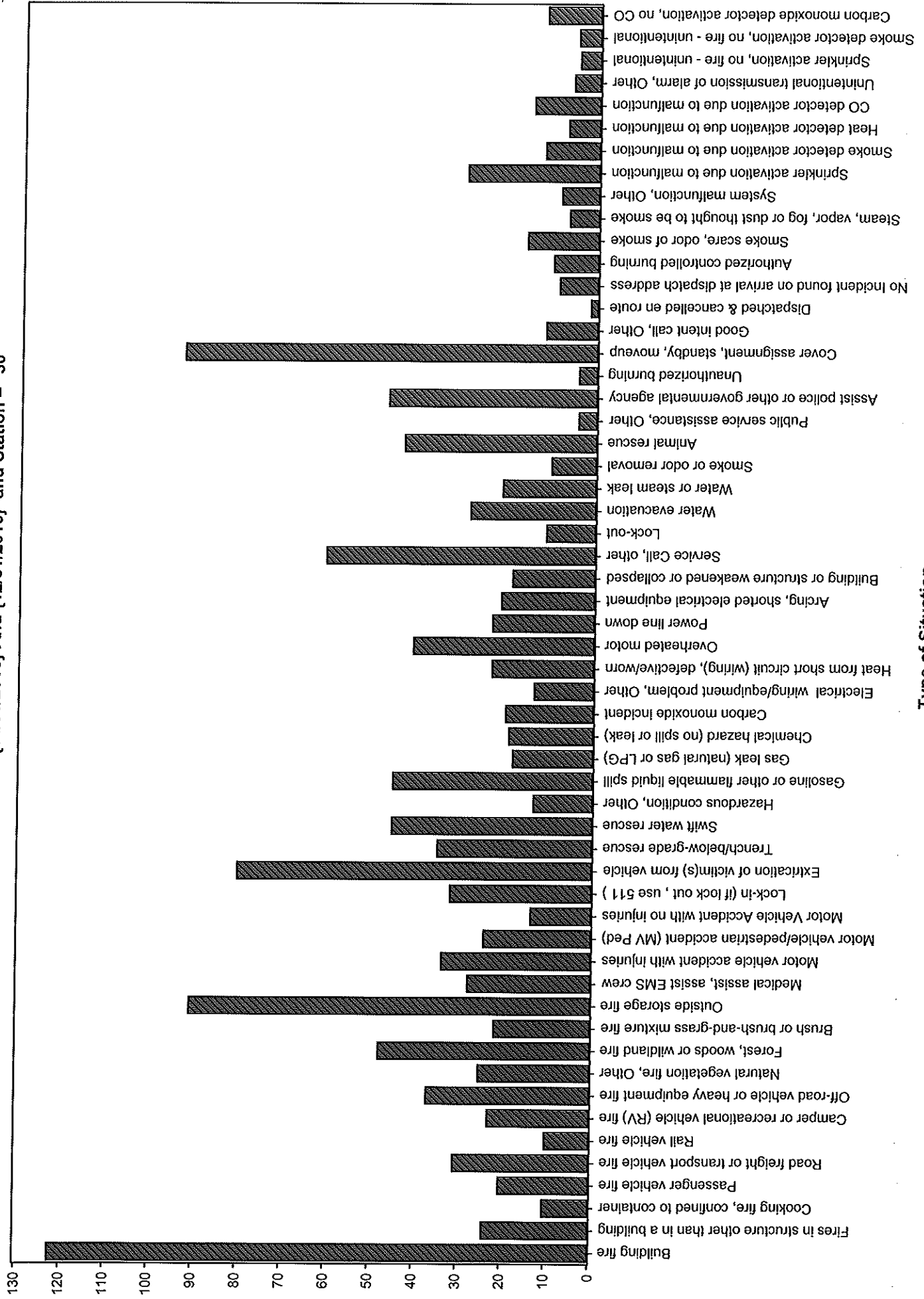
Response		Count	Percentage
Hrs	Mins		
	< 01	27	3.0%
	01	40	4.5%
	02	146	16.6%
	03	150	17.1%
	04	127	14.4%
	05	139	15.8%
	06	90	10.2%
	07	61	6.9%
	08	42	4.7%
	09	25	2.8%
	10	18	2.0%
	11	2	0.2%
	12	1	0.1%
	13	1	0.1%
	14	1	0.1%
	18	3	0.3%
	22	1	0.1%
	37	2	0.2%

Overall Average Response Time: 00:04:27

Average Minutes to Respond by Incident Type
Alarm Date Between {01/01/2016} And {12/31/2016} and Station = "30 "



Average Minutes on Scene by Incident Type
 Alarm Date Between {01/01/2016} And {12/31/2016} and Station = "30 "



Type of Situation

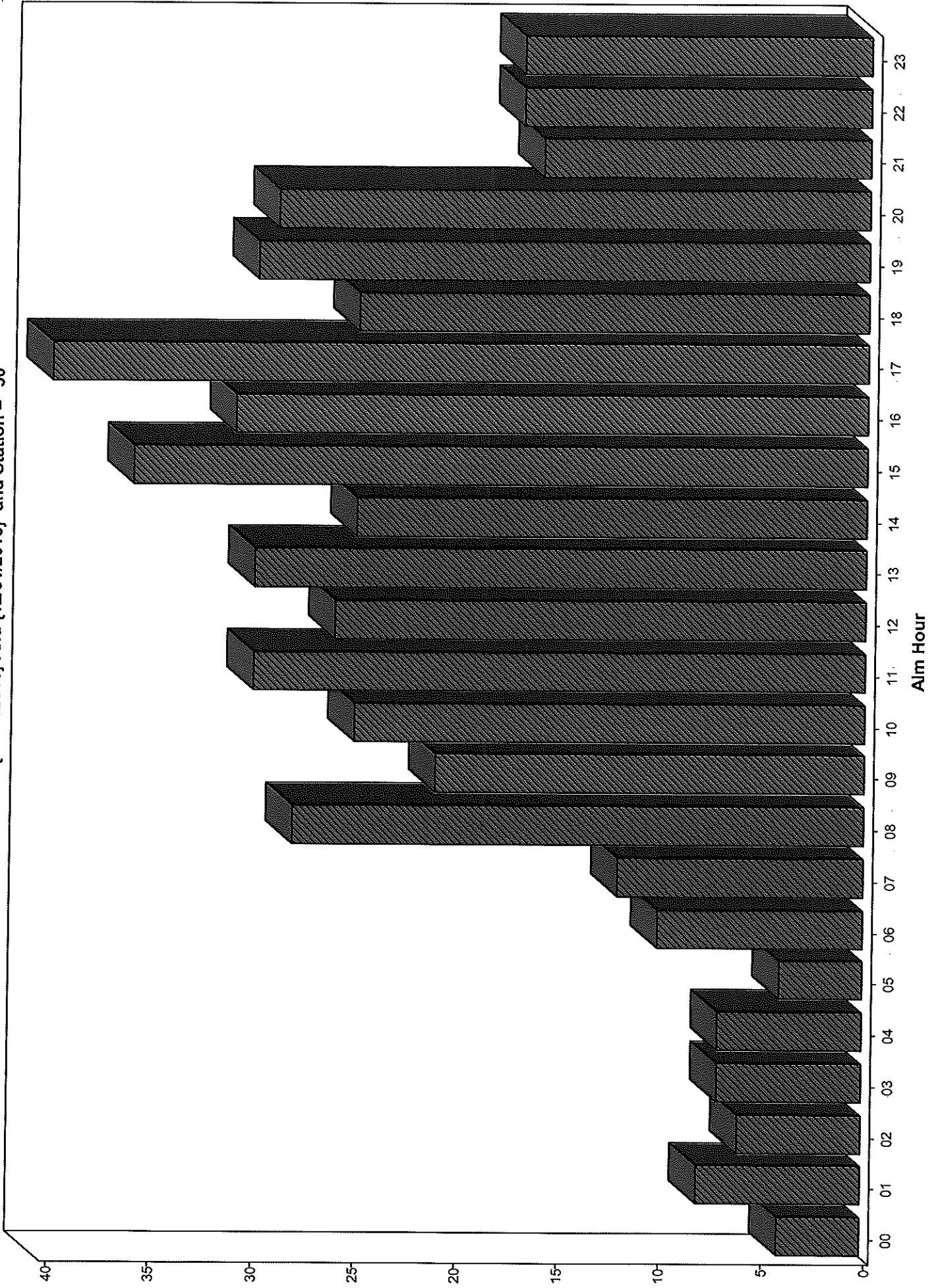
Lower Macungie Fire Department

Alarm Time Analysis

Alarm Date Between {01/01/2016} And {12/31/2016}
and Station = "30 "

Alarm Hour	Count	Percent
00:00	4	0.82%
01:00	8	1.65%
02:00	6	1.23%
03:00	7	1.44%
04:00	7	1.44%
05:00	4	0.82%
06:00	10	2.06%
07:00	12	2.47%
08:00	28	5.78%
09:00	21	4.33%
10:00	25	5.16%
11:00	30	6.19%
12:00	26	5.37%
13:00	30	6.19%
14:00	25	5.16%
15:00	36	7.43%
16:00	31	6.40%
17:00	40	8.26%
18:00	25	5.16%
19:00	30	6.19%
20:00	29	5.99%
21:00	16	3.30%
22:00	17	3.51%
23:00	17	3.51%

Count of Incidents by Alarm Hour
Alarm Date Between {01/01/2016} And {12/31/2016} and Station = "30"



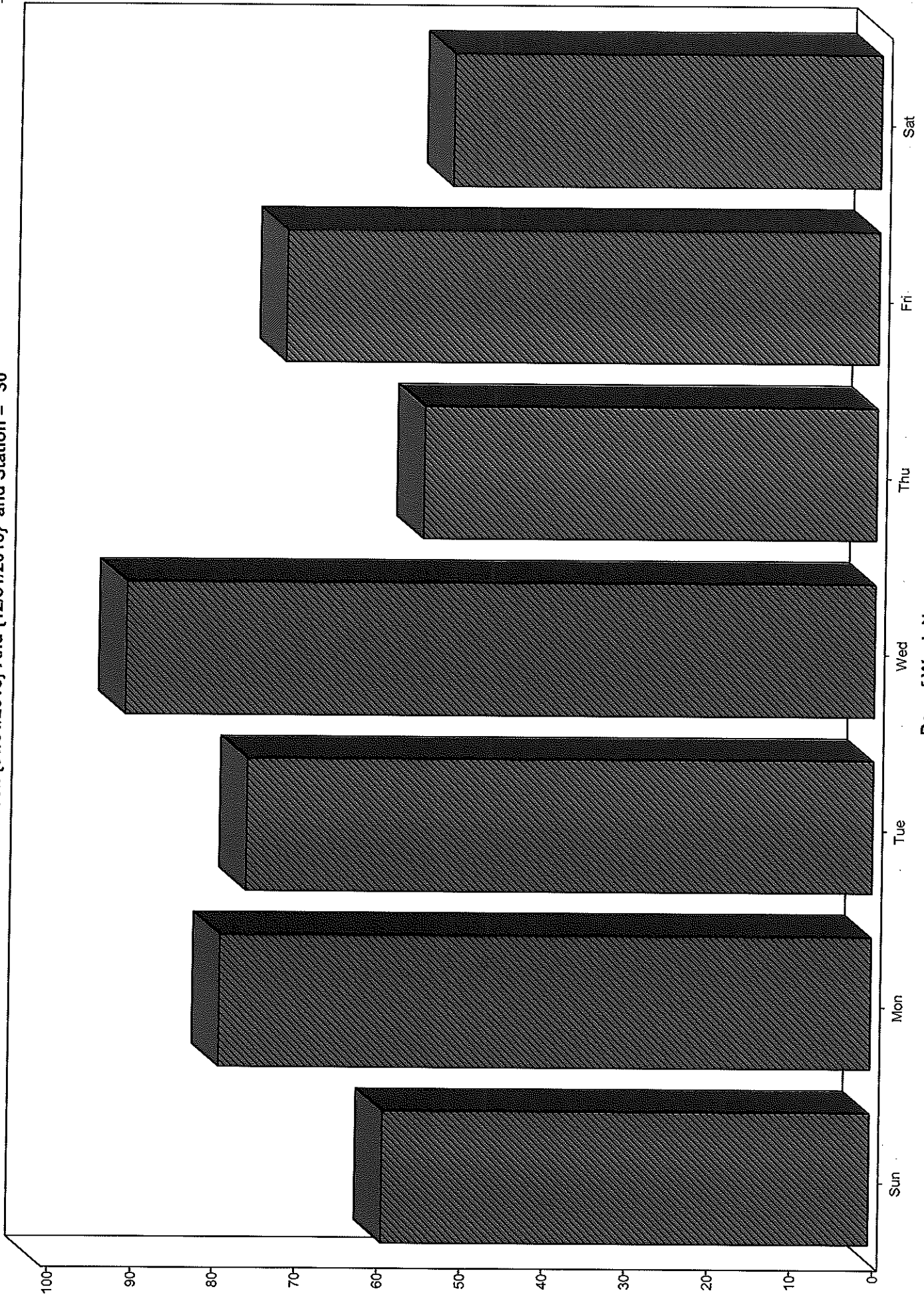
Lower Macungie Fire Department

Incidents by Day of Week/Shift

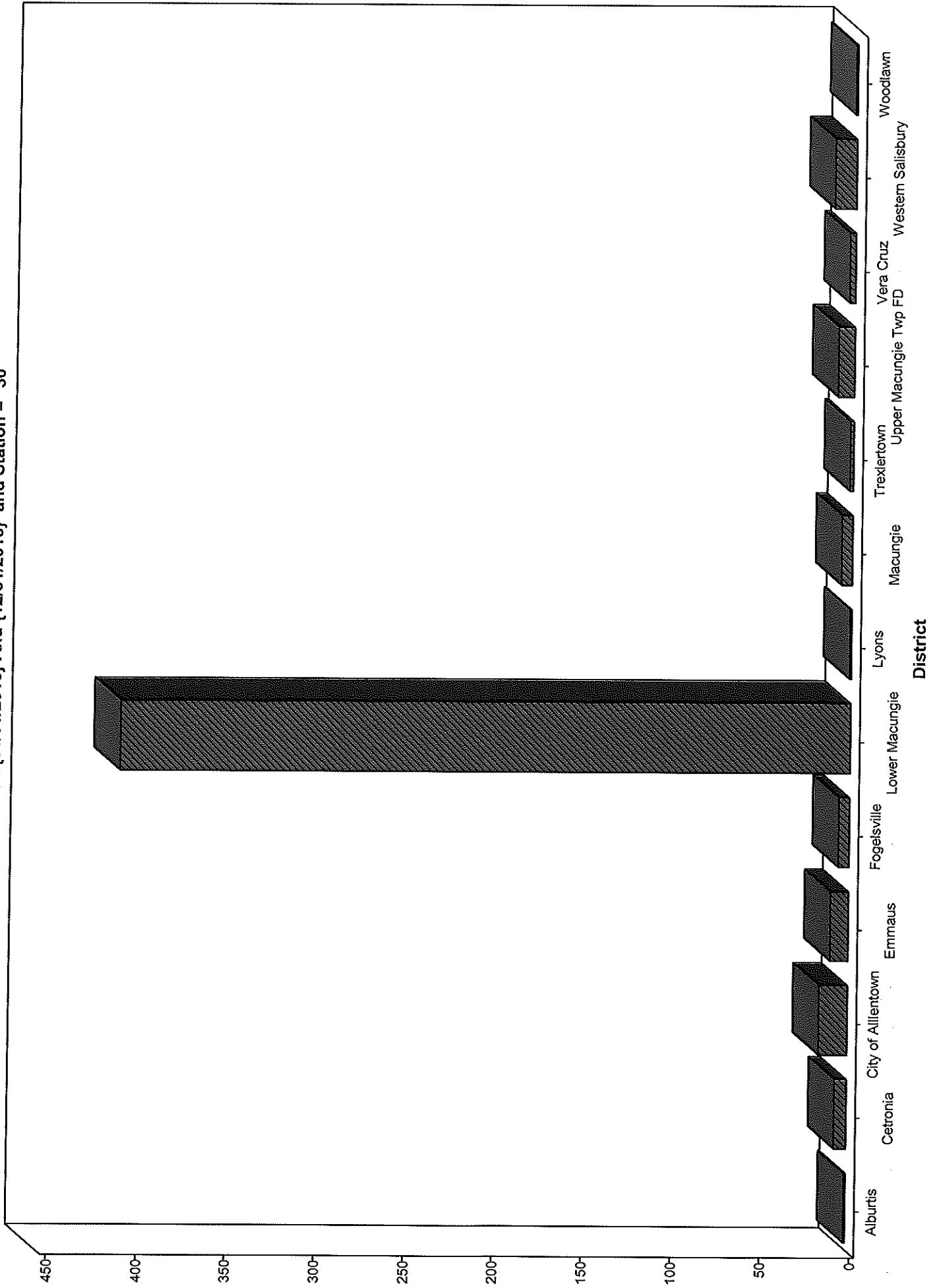
Alarm Date Between {01/01/2016} And {12/31/2016}
and Station = "30 "

Day/Shift	Count	Pct
Sunday		
* < No Shift Specified >	59	12.19 %
	<u>59</u>	<u>12.19 %</u>
Monday		
* < No Shift Specified >	79	16.32 %
	<u>79</u>	<u>16.32 %</u>
Tuesday		
* < No Shift Specified >	76	15.70 %
	<u>76</u>	<u>15.70 %</u>
Wednesday		
* < No Shift Specified >	91	18.80 %
	<u>91</u>	<u>18.80 %</u>
Thursday		
* < No Shift Specified >	55	11.36 %
	<u>55</u>	<u>11.36 %</u>
Friday		
* < No Shift Specified >	72	14.87 %
	<u>72</u>	<u>14.87 %</u>
Saturday		
* < No Shift Specified >	52	10.74 %
	<u>52</u>	<u>10.74 %</u>

Incident Responses by Day of Week
Alarm Date Between {01/01/2016} And {12/31/2016} and Station = "30 "

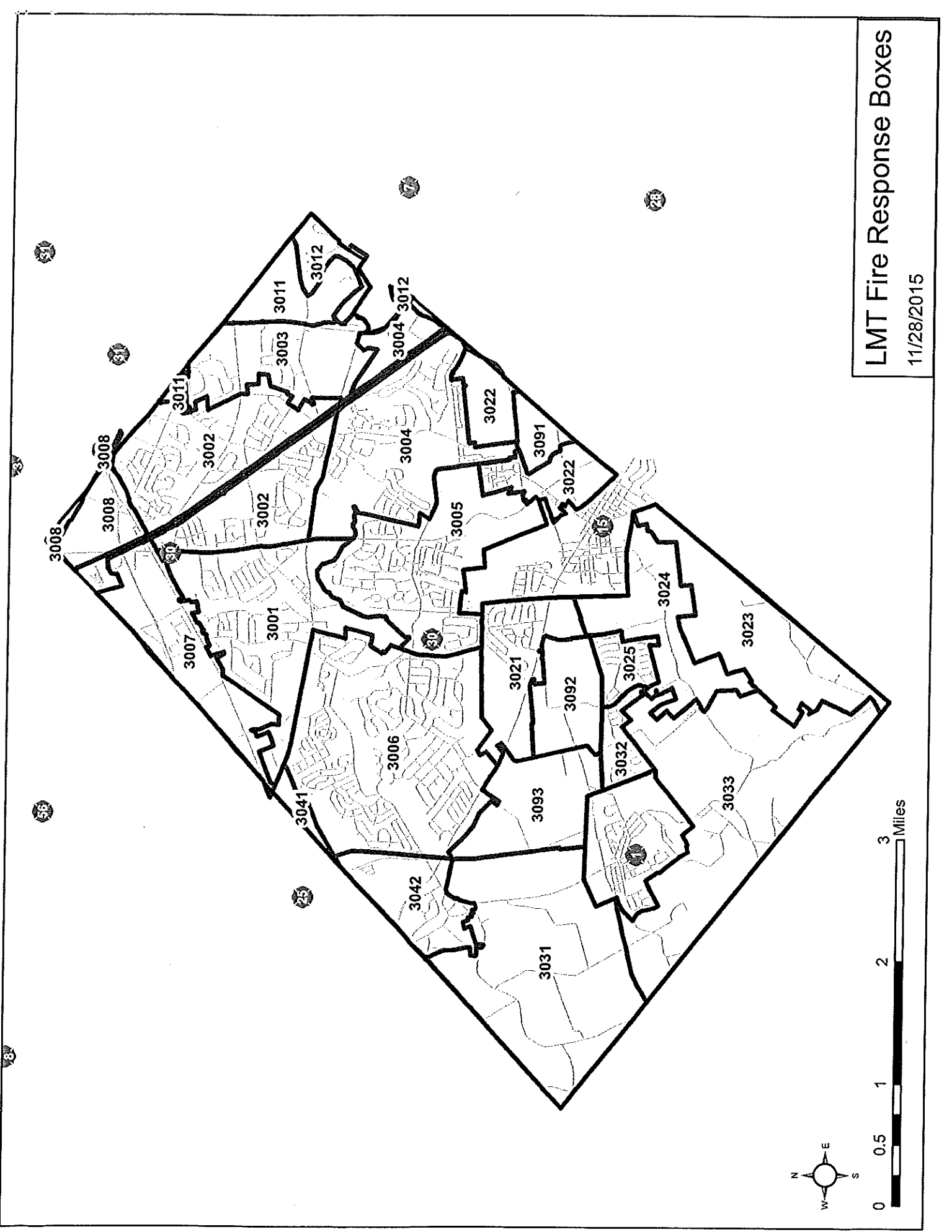


Incidents by District
Alarm Date Between {01/01/2016} And {12/31/2016} and Station = "30 "



LMT Fire Response Boxes

11/28/2015



	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BOX:													
30-01	5	5	4		2	3	2	5	4	4	3	3	40
30-02	1	6	4	2	3	3	5	6	2	4	1	4	41
30-03	2	1	1	1	4	3	1	1	1	1	2	2	16
30-04	5	7	3	7	4	3	7	5	5	1	3	4	54
30-05	1	1	1	1	1	3	1	1	2	2			13
30-06	2	1	4	1	7	6	2	3	2	5	7	7	59
30-07	5	2	5	6	4	6	11	6	9	6	19	6	85
30-08	2	1	2	1	1	1	3	6	3	1	1		14
30-11													
30-12		1				1							1
30-21	2	2		2	1	2	2	3	2	2	2	3	6
30-22		1				1	1	1	2	1	3	3	22
30-23													
30-24	1									1			7
30-25					1			1					1
30-31													3
30-32	2	1		1			1				1		1
30-33													
30-41	1		1	2		1	1				1	1	2
30-42	2	1	1	1		3							6
30-91									1			2	8
30-92												2	7
30-93													
30-94											1		0
78-15		3								2			3
LMT TOTAL:	37	0	36	0	27	0	34	0	34	0	28	0	408
													LMT TOTAL
													408
													grand totals:
													408

2016 LOWER MACJUNGIE TOWNSHIP BOX RESPONSES - STATION 30

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	
30-01																										
30-02																										
30-03																										
30-04																										
30-05																										
30-06																										
30-07																										
30-08																										
30-09																										
30-10																										
30-11																										
30-12																										
30-21																										
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30-31																										
30-32																										
30-33																										
30-41																										
30-42																										
30-91																										
30-92																										
30-93																										
30-94																										
TOTAL:	4	2	2	1	0	2	1	4	2	0	2	2	0	3	3	3	0	3	2	5	1	4	5	2	22	31
2016 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 1																										
total:																										53

	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	
BOX:																										
30-01																										0
30-02																										0
30-03																										0
30-04														1												0
30-05																										0
30-06																										0
30-07																										0
30-08																										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:	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	3
2016 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 7																										
total: 9																										

	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																												0	0	
30-02																												0	0	
30-03																												0	0	
30-04																												0	0	
30-05																												0	0	
30-06																												0	0	
30-07																												0	0	
30-08																												0	0	
30-09																												0	0	
30-10																												0	0	
30-11																												0	0	
30-12																												0	0	
30-21	1	1	1	1	1	1	1	1																				0	0	
30-22												1	1	1	1	1	1	1	1									0	0	
30-23																													0	0
30-24	1	1	1	1	1	1	1	1																				0	0	
30-25													2	2	1	1	1	1	1	1	1	1						0	0	
30-31																													0	0
30-32																													0	0
30-33																													0	0
30-41																													0	0
30-42																													0	0
30-91																													0	0
30-92																													0	0
30-93																													0	0
TOTAL:	1	3	2	1	1	1	0	2	1	0	1	0	1	2	1	0	3	1	1	0	2	0	1	0	0	0	0	9	15	
2016 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 15																														
total: 24																														

	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
BOX:																											
30-01				2		1												2		1							7
30-02															1												2
30-03																											1
30-04																											1
30-05																											1
30-06			1								1																1
30-07																											1
30-08																											3
30-11																											7
30-12																											2
30-21																											0
30-22				1																							0
30-23																											0
30-24																											0
30-25																											0
30-31																											0
30-32																											0
30-33																											0
30-41																											1
30-42	2	1		2																							0
30-91																											8
30-92																											5
30-93																											0
78-15																											0
TOTAL:	2	3	2	5	0	3	2	3	1	3	0	7	0	4	0	2	0	3	1	2	0	0	0	1	7	9	42
2016 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 25																											
total: 51																											

	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		TOTAL	ASSIST
BOX:																												
30-01																											0	0
30-02				2		1										2											0	0
30-03									1									1									0	0
30-04																											0	0
30-05																											0	0
30-06																											0	0
30-07																											0	0
30-08																											0	0
30-11				1										1													0	0
30-12																											3	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
30-91																											0	0
30-92																											0	0
30-93																											0	0
TOTAL:	0	0	1	2	0	1	0	1	0	1	1	0	0	1	1	3	0	1	0	1	0	1	0	1	0	3	13	
2016 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 31																												
total: 16																												