

# Bangor Township Fire Department

## 2012 Annual Report



Serving Our Community with Pride, Honor and Integrity since  
1943



BANGOR TOWNSHIP

FIRE DEPARTMENT

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**TO:** TERRY WATSON, TOWNSHIP SUPERVISOR  
**FROM:** RICK DONAHUE, FIRE CHIEF  
**SUBJECT:** FIRE DEPARTMENT 2012 ANNUAL REPORT  
**DATE:** 2/12/2013  
**CC:** TOWNSHIP BOARD, PUBLIC SAFETY COMMITTEE

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### **2012 IN REVIEW**

It is my pleasure as your Fire Chief to present to you the Bangor Charter Township Fire Department 2012 Annual Report. As we mark 70 years of service to this community, we members of the Bangor Township Fire Department continue to serve our citizens with pride, honor and integrity just as our predecessors have since the Bangor Township Volunteer Fire Association was established on February 2, 1943. In 2012 our annual call volume of 1,812 responses meant that it was the 2<sup>nd</sup> busiest year in the history of the fire department with 2011 having been the busiest at 1,846. While our call volume decreased slightly in 2012, the breakdown of runs by types and locations has stayed consistent with previous years. Once again Station 7 was the busiest with 53% of the calls (961) in their area and 47% (851) in Station 6's area. As it has been for many years, the majority of our responses, 76.4%, were for medical emergencies. Responding to medical calls is very important to our residents due to our quick response and our ability to provide basic life support. This rapid response capability meant that the members of the department were able to arrive quick enough to initiate life saving procedures and recorded 4 CPR saves during 2012. A number of charts showing the complete breakdown of our incidents by type are included later in this report. A few points of interests are that the department responded to 54 fires with 26 of them classified as structure fires. Structure fires include chimney fires and cooking related fires. For 2012, we had 1,163 incidents in single or multifamily dwelling, accounting for 64% of our total. We responded to 1,185 calls in this type of occupancy in 2011. The next highest category was for incidents at nursing care facilities, accounting for 7.1% (129 incidents) of the year-end total.

### **FIRE SAFETY AND COMMUNITY OUTREACH PROGRAMS**

The members of the Fire Department do more than just respond to fires and medicals. We are committed to the safety of our community so we reach out to our citizens to offer programs that will teach them how to be fire safe. This year was another great year for our fire safety and community programs. We visited all the elementary schools with our Fire Safety House program again this year. This program is targeted at school age children and we teach them about fire safety at home. In 2012 we spent numerous hours in the schools putting on 96 programs for Pre-Kindergarten through 5th grade students. This was another big success for the department and for the schools as we interacted with over 1,000 students during these programs. We work hard to have the kids take the lessons they learn about fire safety home to help improve the safety of their entire family.

Our on site Safety Day program was another big success. We visited Wal-Mart, K-Mart, Home Depot, Consumers Energy and COPOCO Credit Union, just to name a few. We are continually looking for new programs, and opportunities to improve the safety of all members of our community.

## **FIRE PREVENTION**

For 2012 we continued our Engine Company Fire Safety Inspections program for the community and completed 184 fire inspections and re-inspections in routine commercial and industrial occupancies. This has proven to be a well received program in the business community and a very important program. Through this program we have helped increase the fire safety of our businesses while at the same time providing an opportunity for the firefighters to gather valuable information for pre-incident planning. Pre-Incident surveys were also updated as buildings were inspected and this information was passed on to Central Dispatch. Fire Marshal Bailey is responsible for the more complex inspections in buildings and facilities that are high hazard occupancies for fire and life safety. These occupancies are places such as; hospitals and nursing care facilities, multi-story buildings, day care facilities, restaurants, public assembly (i.e. Rental Halls), apartment complexes and Haz-Mat sites. The Fire Marshal conducted a total of 234 inspections and re-inspections in 2012. Fire Marshal Bailey has also had the responsibility of investigating the cause and origin of 7 fires in 2012. He has spent numerous hours on these investigations with assistance from the Sheriff's Department fire Investigator, Deputy Jeff Wolpert. Other duties assigned to Fire Marshal Bailey are; the review of site plans for new buildings, review and comment on items before the Zoning Board of Appeals and attending the Public Safety Committee meetings in my absence. Fire Marshal Bailey has kept his fire inspector certification updated throughout the year by attending continuing education classes and seminars sponsored by local and state agencies.

## **TRAINING**

Maintaining current skills and keeping up with trends and developments in the fire service is a very important part of our job. We are constantly working to improve the training and skills of all members of our department but have been particularly focused on improving the training and skill level of our officer corps and prospective officers over the last few years. In 2012 Firefighter Koons and Firefighter Royer were both certified to the Fire Officer III level from the state. This proved very beneficial as Mike Royer was promoted to Lieutenant in October. During 2012 we had two individuals attend class at the National Fire Academy in Emmittsburg, Maryland. Assistant Chief/Fire Marshal Ken Bailey attended Fire and Arson Cause & Origin Investigation and Sergeant Don Middleton attended Command and Control at Target Hazards. As we continue into 2013 we will continue to make every effort to provide opportunities for our employees to attending the best available training to make our department as professional and well prepared as possible. A chart of the training that department members participated in last year is included later in this report.

## **APPARATUS**

During 2012 we did not add any new apparatus to our fleet, even with reaching the 15-year mark for the recommended replacement of Engine 7, our 1997 Pierce. Engine 6 is now 12 years old and will soon need to be evaluated for replacement at the 15-year mark also. In 2012 the Township spent \$13,917.26 on maintenance and repairs for these two Engines, with Engine 7 accounting for \$8,648.50 of that total.

Below is a list of all apparatus in our fleet.

Chief 6 (Fire Chief)	1999 Chevrolet Suburban
Car 7 (Fire Marshal)	2008 Chevrolet 3500 Pick Up
Engine 6	2000 Pierce 1250 GPM Pump
Engine 6-2	2010 Rosenbauer 1250 GPM Pump
Engine 7	1997 Pierce 1250 GPM Pump
Aerial 7	2008 Ferrara 77' Ladder, 1500 GPM Pump
Rescue 6	2007 Chevrolet Suburban
Rescue 7	2007 Chevrolet Suburban
Boat 7	2010 Sea Wolf

## PERSONNEL

During the year we saw the retirement of Assistant Chief Rick Hoppe after 30 years of service, the promotion to Lieutenant for Mike Royer and the move from paid-on-call Engineer to career staff Firefighter for Joe Feinauer. In 2012 we did not add any Reserve Firefighters and ended the year with 14 members on the Reserve roster. We have worked very hard at maintaining not just the quantity but also the quality of our paid-on-call staff so we have additional personnel to back up our career staff.

Our department consists of one Fire Chief; one Assistant Chief/Fire Marshal, one Captain, two Lieutenant, two Sergeants, two Engineers, nine full-time firefighters and ten paid on call firefighters. Our full-time firefighters are divided into three (3) platoons consisting of four (4) personnel on each of the shifts working a 24-hour workday. All full-time employees are required to be a minimum of Basic EMT, with 3 members certified as Paramedics. The paid-on-call firefighters are divided into 2 platoons, Platoon 6 and Platoon 7, which are assigned to our fire stations. Each paid-on-call platoon is lead by a Sergeant and has at least 1 Engineer assigned. Among the Reserve Firefighter ranks we have 1 Paramedic, 8 Basic EMT's and 1 Medical First Responder.

A list of department employees, according to their hire date, is below.

Ken	Bailey	07/31/78	Asst. Chief /Fire Marshal
Donald	Middleton	11/01/78	Sergeant/EMT
Ray	Madigan	01/03/83	Firefighter/EMT
George	Strieter	05/18/87	Firefighter/EMT
Scott	Sturm	12/09/89	Sergeant/EMT
Mike	Royer	06/14/95	Lieutenant/Paramedic
Mike	Galloner	12/04/95	Captain/EMT
Jeff	Koons	11/04/96	Firefighter/EMT

Jim	Starkey	01/07/97	Lieutenant/Paramedic
Jon	Jacobs	10/02/97	Firefighter/EMT
Brian	Phillips	07/17/99	Engineer/EMT
Scott	Cooper	07/17/99	Firefighter
Jay	Tomaszewski	05/27/01	Firefighter/EMT
Alan	Hodder	11/22/04	Firefighter
Kathryn	Middleton	01/11/05	Firefighter
Mike	Sarnowski	08/14/06	Firefighter/EMT
Scott	Schuch	08/14/06	Firefighter/Paramedic
Rick	Donahue	06/18/07	Chief
Ron	Moore	10/01/07	Firefighter/EMT
Dane	Iler	10/01/07	Firefighter/EMT
Joe	Feinauer	09/25/09	Firefighter/EMT
Shalah	Hutchins	12/08/09	Firefighter/EMT
Andrew	Tennant	12/08/09	Firefighter/Paramedic
John	McIngvale	12/08/09	Firefighter/EMT
Joseph	Wieland	10/04/10	Firefighter/MFR
David	Gray	12/07/10	Firefighter
Jordan	Strieter	12/07/10	Firefighter/EMT
Giorgio	Urso	09/22/11	Firefighter/EMT

In 2012 we had an average of 3.6 Reserve Firefighters respond to the 98 full responses during the year, with 11 incidents where we had a turn out of 50% or more of the paid-on call staff. Due to the fact our paid on call personnel have fulltime jobs it is difficult to predict turn out during certain times of day but our Reserve Firefighters have shown themselves to be up to the task. But a large part of the credit goes to their families who support them even when it means missing meals and family time to answer the call.

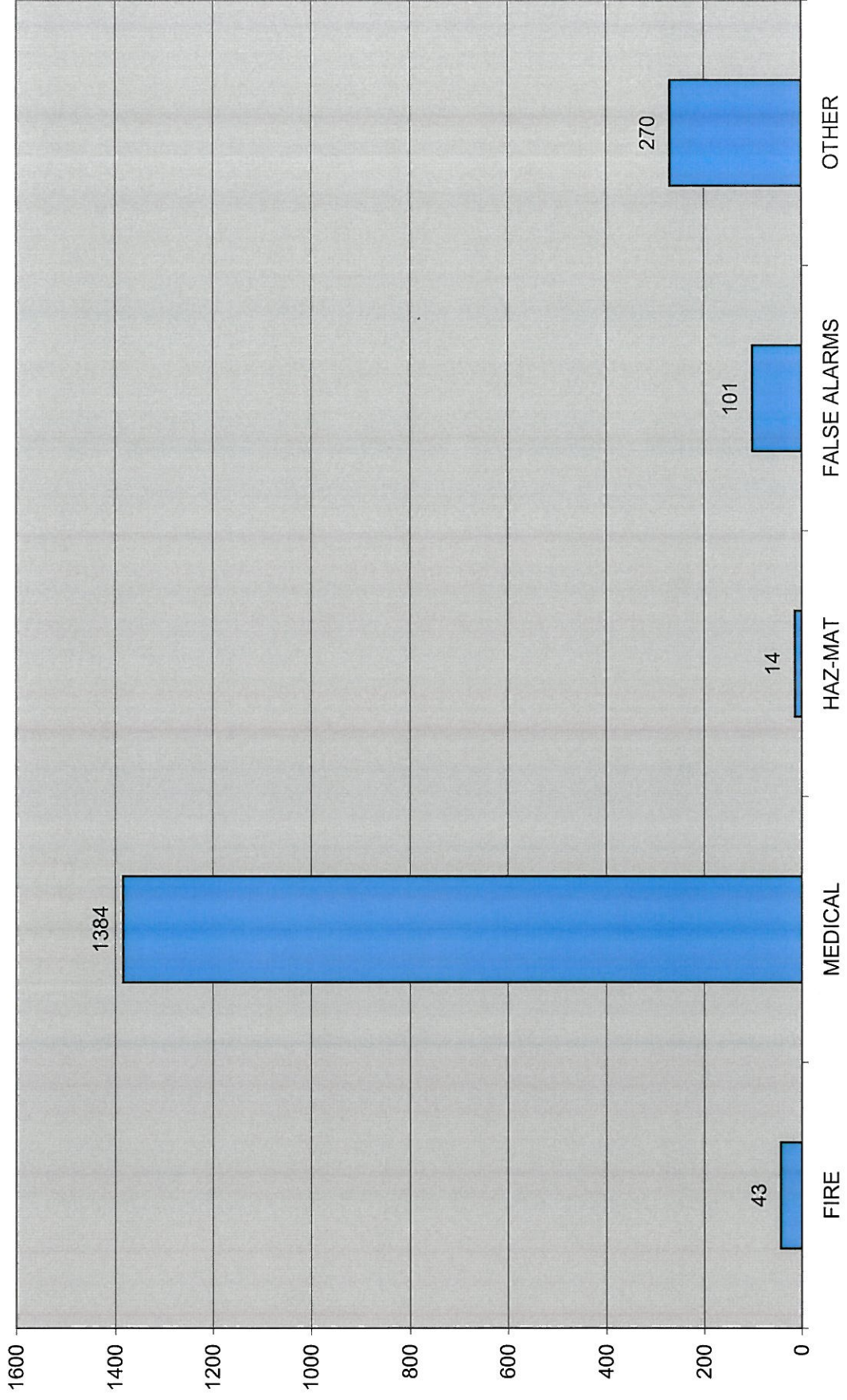
In closing, I would like to thank you for the opportunity to lead this department into the future. It is my goal to make this department the best it can be through a commitment to training, education, safety and community service. While 2012 has been full of fiscal challenges; we will continue to provide the best level of service possible. I appreciate your support, and look forward to a continued relationship of working for the safety and benefit of our citizens

# Bangor Township Fire Department

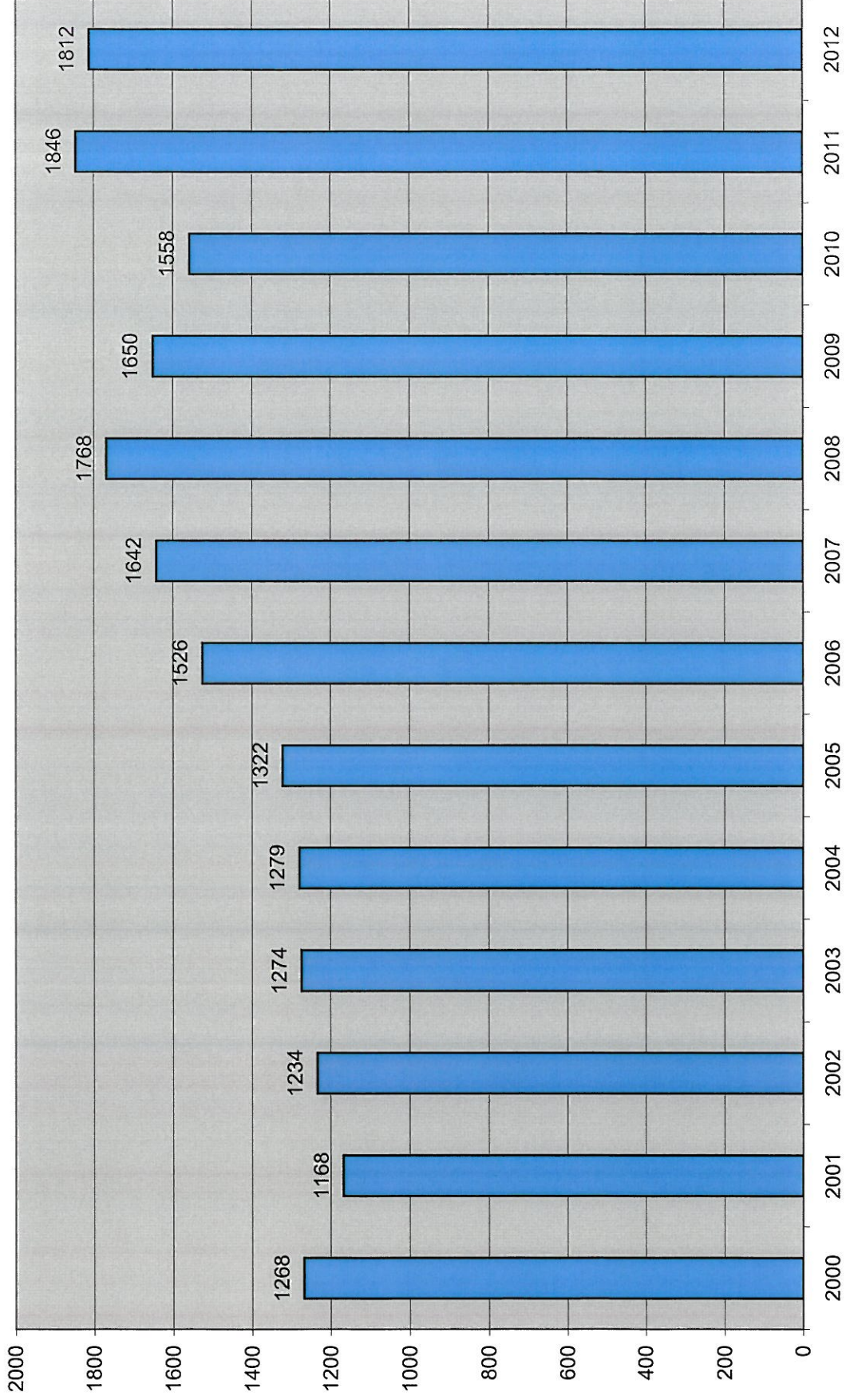
Incident Response 1997 - 2012

<b>YEAR</b>	<b>FIRE</b>	<b>MEDICAL</b>	<b>HAZ-MAT</b>	<b>FALSE ALARMS</b>	<b>OTHER</b>	<b>TOTAL</b>
1997	80	601	68	44	73	866
1998	97	768	58	59	78	1060
1999	80	827	51	64	100	1122
2000	89	952	37	80	110	1268
2001	51	878	46	80	113	1168
2002	53	914	35	97	135	1234
2003	55	896	28	89	206	1274
2004	69	951	28	102	129	1279
2005	36	942	26	111	207	1322
2006	56	1094	26	122	228	1526
2007	51	1150	21	97	323	1642
2008	37	1239	25	141	326	1768
2009	63	1183	36	86	282	1650
2010	49	1150	14	71	274	1558
2011	54	1336	11	98	347	1846
2012	43	1384	14	101	270	1812

Incident Response by Type 2012

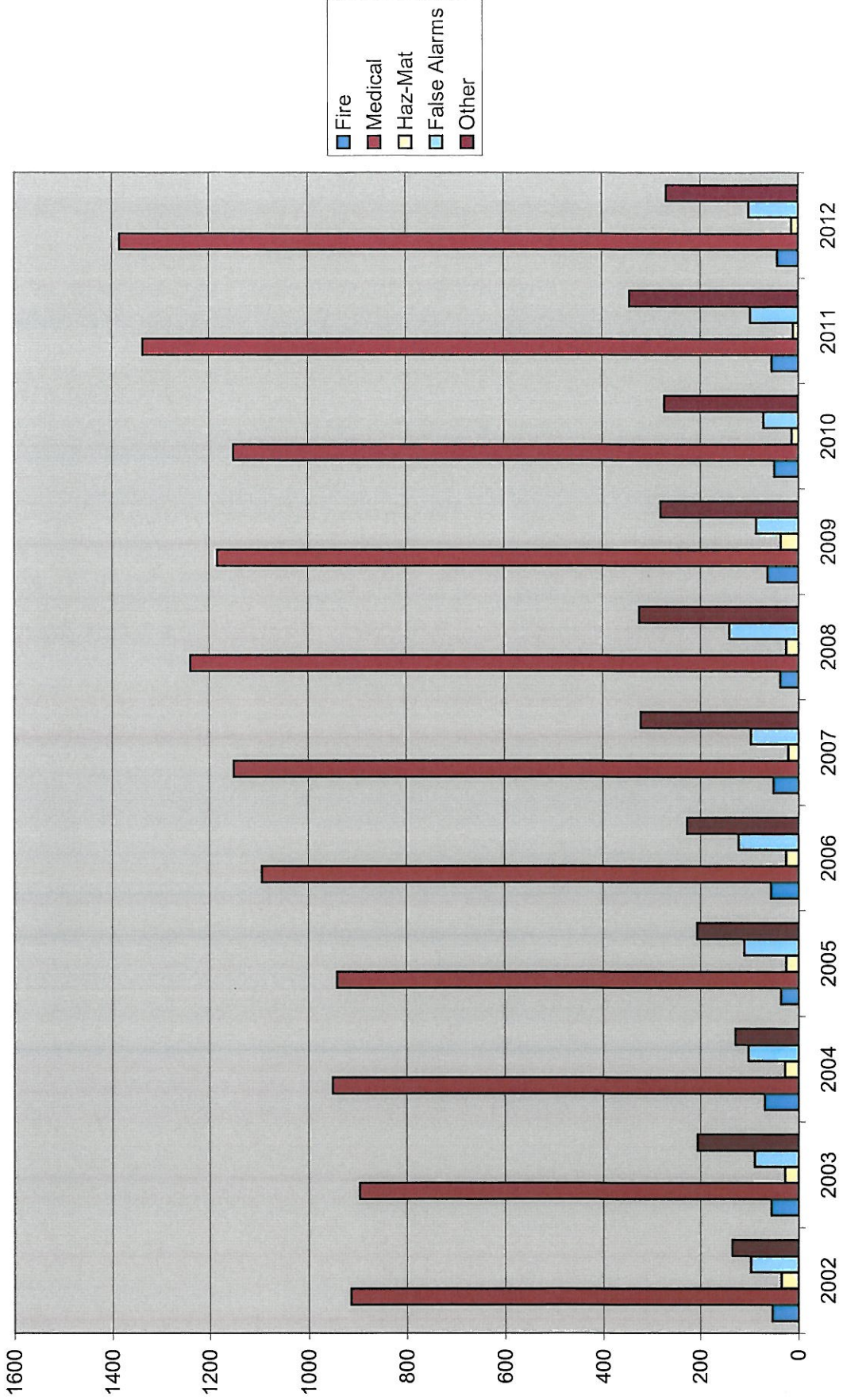


### Incident Response 2000 - 2012



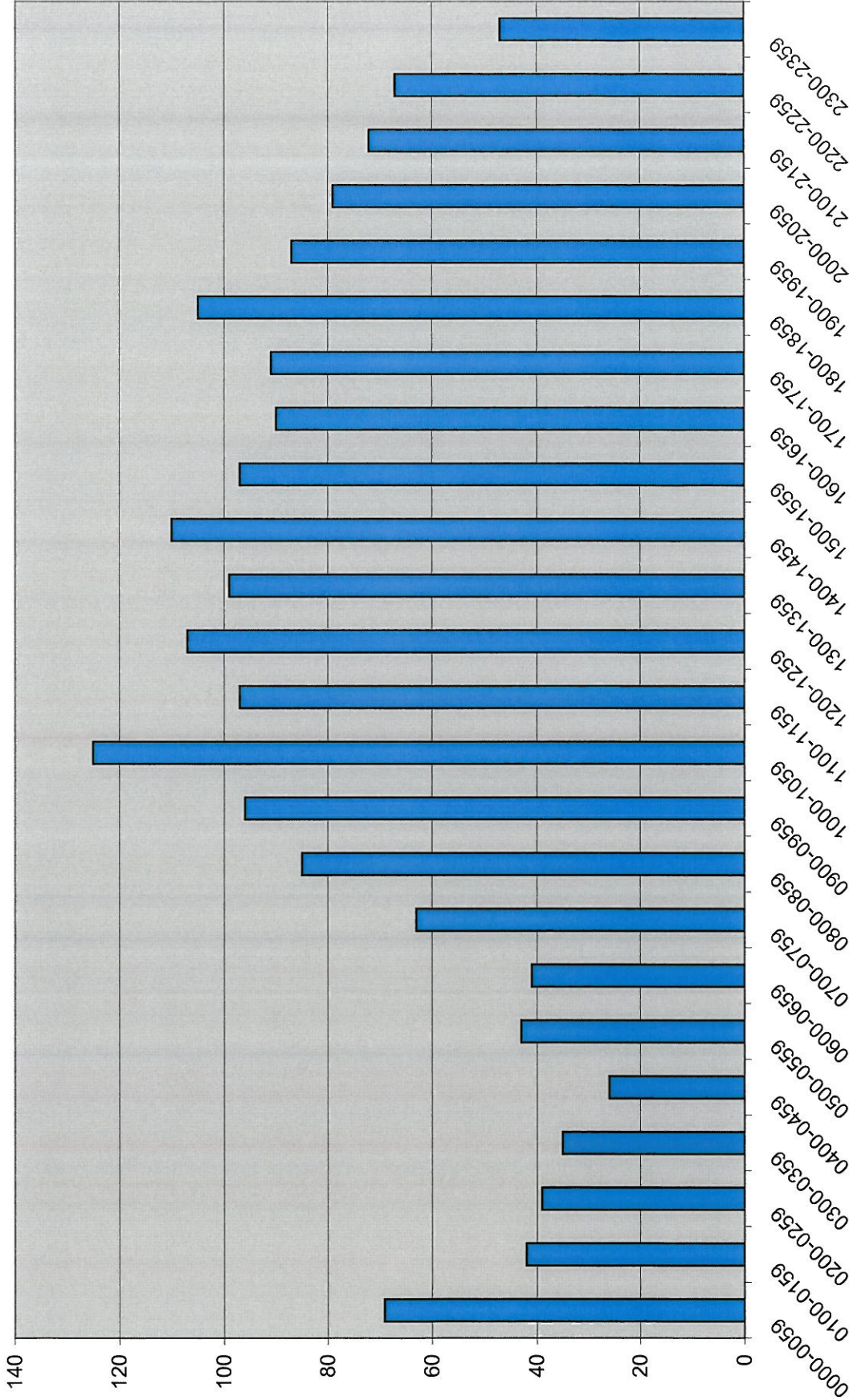


Incidents by Type 2002 - 2012

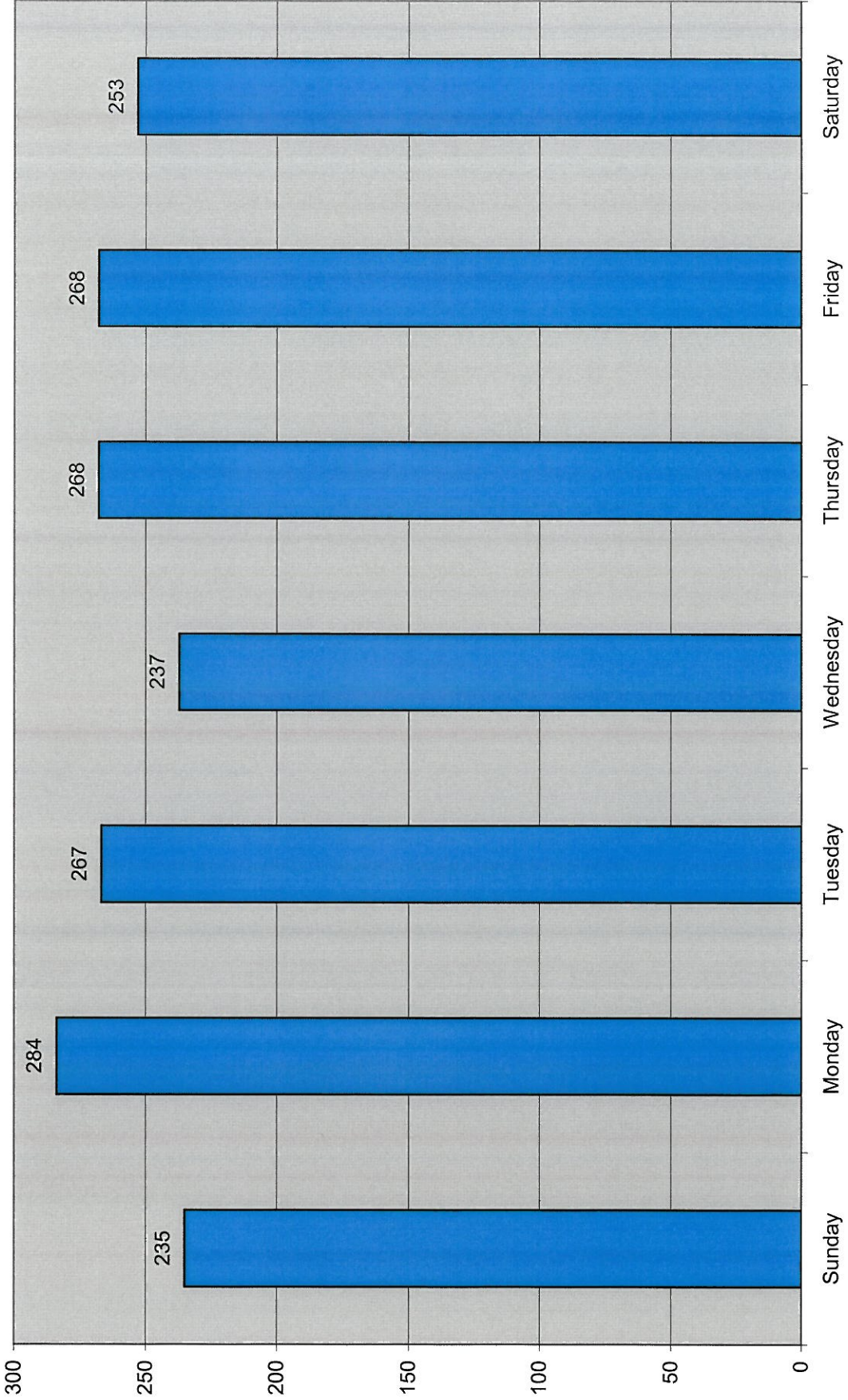




Runs by Hour of the Day - 2012



Runs By Day of the Week - 2012



# Bangor Township Fire Department Response Statistics 2003-2012

	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average
<b>Average Response Time</b>	3.28	3.04	3.12	3.07	3.64	3.63	3.72	3.75	3.55	3.42
<b>Incidents by Station</b>										
Station # 6	543	593	667	756	768	723	691	833	851	694.30
Station # 7	736	729	801	887	1000	937	867	1013	961	868.70
<b>Incidents by Shift</b>										
A Shift	410	413	475	541	641	559	511	615	614	518.30
B Shift	393	464	510	520	559	541	503	618	606	506.60
C Shift	398	394	469	582	568	550	544	613	592	515.10
<b>Incidents by Census Tract</b>										
Tract 58 (South of railroad tracks)	559	593	689	757	772	723	703	819	874	701.70
Tract 59 (area between tracks & Kawkawlin River)	567	566	613	671	793	763	647	751	693	662.50
Tract 60 (North of Kawkawlin River)	153	163	222	215	203	174	201	269	242	202.70

# Bangor Township Mutual Aid History Report

Bangor Received Mutual Aid from		Bangor Gave Mutual Aid to		Bangor Received Mutual Aid from		Bangor Gave Mutual Aid to	
<b>2005</b>		<b>2009</b>		<b>2010</b>		<b>2011</b>	
Bay City	3	Bay City	0	Bay City	2	Bay City	2
Frankenlust	0	Frankenlust	0	Frankenlust	0	Frankenlust	0
Kawkawlin	1	Kawkawlin	0	Kawkawlin	2	Kawkawlin	2
Monitor	0	Monitor	1	Monitor	4	Monitor	0
Pinconning-Fraser	0	Pinconning-Fraser	0	Pinconning-Fraser	0	Pinconning-Fraser	0
<b>2006</b>		<b>2012</b>					
Bay City	1	Bay City	2	Bay City	6	Bay City	3
Frankenlust	0	Frankenlust	0	Frankenlust	0	Frankenlust	0
Kawkawlin	0	Kawkawlin	0	Kawkawlin	0	Kawkawlin	0
Monitor	1	Monitor	0	Monitor	5	Monitor	2
Pinconning-Fraser	0	Pinconning-Fraser	0	Pinconning-Fraser	1	Pinconning-Fraser	0
<b>2007</b>							
Bay City	2	Bay City	1	Bay City	2	Bay City	5
Frankenlust	0	Frankenlust	0	Frankenlust	0	Frankenlust	0
Kawkawlin	3	Kawkawlin	0	Kawkawlin	0	Kawkawlin	2
Monitor	2	Monitor	2	Monitor	3	Monitor	2
Pinconning-Fraser	0	Pinconning-Fraser	0	Pinconning-Fraser	0	Pinconning-Fraser	0
<b>2008</b>							
Bay City	2	Bay City	2	Bay City	6	Bay City	3
Frankenlust	0	Frankenlust	0	Frankenlust	0	Frankenlust	0
Kawkawlin	0	Kawkawlin	0	Kawkawlin	0	Kawkawlin	0
Monitor	1	Monitor	1	Monitor	5	Monitor	2
Pinconning-Fraser	0	Pinconning-Fraser	0	Pinconning-Fraser	1	Pinconning-Fraser	0

Bangor Received Mutual Aid from		Bangor Gave Mutual Aid to	
Total	46	Total	37
Bay City	20	Bay City	22
Frankenlust	0	Frankenlust	2
Kawkawlin	8	Kawkawlin	2
Monitor	17	Monitor	11
Pinconning-Fraser	1	Pinconning-Fraser	0

# FIRE MARSHALS DIVISION

## 2012 INSPECTION AND ACTIVITY REPORT

79	Routine Inspections
93	Re-inspections
8	Complaint Inspections
18	Fire Suppression / Alarm Systems
36	New Construction Inspections
113	Engine Company Inspections
71	Engine Company Re-inspections
418	TOTAL INSPECTIONS
373	Violations Written
345	Violations Corrected
7	Fire Investigations
17	Plan Reviews
101	Fire Safety Presentations

### OTHER:

Michigan Fire Inspectors Society Fall Educational Seminar  
National Fire Academy – Fire and Arson Cause & Origin Investigation

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# Training Activities 2012

In-House Training	Outside Training	Shift Training
Ice Rescue	Health and Safety Officer	Aerial Operations at Midland Manor
Calling the Mayday	Live Fire Training at Oakland Community College	Carbon Monoxide Response
Rapid Intervention Team	Pipeline Safety	MABAS Run Cards
Self Contained Breathing Apparatus	Leadership I	Apex Sketch software
Blood borne Pathogens	Leadership II	DCP Pipeline Training
Gas and Electric Utilities	Leadership III	K12 Saw
Boat 7 Operations	National Fire Academy-	Basement Fire Training Module from UL
Hose Testing and Hose Loads	Command & Control at Target Hazards	Aerial 7 Pump Operation
Drivers Training	Fire and Arson Origin & Cause Investigation	Ground Ladder Operation
CPR/AED Recertification	Rope Rescue	Gas Powered Tool Procedures
EMS Airway and Ventilation	Fire Inspectors Educational Seminar	Standard Operating Procedures Review
Crime Scene Awareness	Confined Space Rescue	Hybrid Vehicle Response
800 MHz Radio operation	Submerged Vehicle Rescue	Marathon Terminal Site Visit
Cold Water Rescue	Advanced Vehicle Extrication	Stokes Basket Operations
Haz-Mat Tier II Site Review	Mobile Property Fire Investigation	
Haz-Mat Emergency Response Guidebook	Educational Methodology	
Vehicle Extrication	Incident Safety Officer	
Airway Management	Basic Disaster Life Support	
Hypothermia and Cold Weather Emergencies	Fire Protection Engineering Basics	
Haz-Mat Firefighter Right to Know	Courage to be Safe - Train the Trainer	
Thermal imager use and maintenance	Haz-Mat Technician	
Vent, Enter, Search procedures		



South Woodbridge  
January 13, 2012



Lagoon Beach  
May 25, 2012



Kawkawlin River Drive  
August 31, 2012

