

Bangor Township Fire Department



2011 Annual Report





BANGOR TOWNSHIP

FIRE DEPARTMENT

TO: TERRY WATSON, TOWNSHIP SUPERVISOR
FROM: RICK DONAHUE, FIRE CHIEF *Red*
SUBJECT: FIRE DEPARTMENT 2011 ANNUAL REPORT
DATE: 2/10/2012
CC: TOWNSHIP BOARD, PUBLIC SAFETY COMMITTEE

2011 IN REVIEW

It is my pleasure as your Fire Chief to present to you the Bangor Charter Township Fire Department 2011 Annual Report. I am proud to serve as this community's Fire Chief and continue to be proud of the dedication and professionalism of all the members of the Bangor Township Fire Department. Our annual call volume of 1,846 responses meant that 2011 was the busiest year in the history of the fire department. While our call volume increased in 2011, the breakdown of runs by types and locations has stayed consistent with previous years. Once again Station 7 was the busiest with 54.8% of the calls (1,013) in their area and 45.2% (832) in Station 6's area. As it has been for many years, this year the majority of our responses, 72.4%, 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. A number of charts showing the complete breakdown 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 2011, incidents in single or multifamily dwelling accounted for 65% of our total. We responded to 1,185 calls in this type of occupancy. The next highest category was for incidents on roadways, accounting for 6.8% (127 incidents) of the year-end total.

FIRE SAFETY PROGRAMS

Listed below are some of the programs and activities we did this past year. We do more than just respond to fires and medicals. We are committed to the community and want to offer programs that will improve and teach people about fire safety.

- Engine Company Fire Safety Inspections
- Pre-school fire safety talks
- Elementary school fire safety house visits
- Fire Station Open House
- Fire prevention talks
- Local business and civic organization Safety Days programs

COMMUNITY PROGRAMS

This year was another great year for our 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. In 2011 we spent numerous hours in the schools teaching the

program to Pre-Kindergarten through 5th grade students. This was another big success for the department and for the schools as we interacted with 1,159 students during these programs. We heard many positive comments from the schools on how the program was presented. 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.

The department also participated in the Reading is Bay County's Business program through the Chamber of Commerce. Members spent time reading to Bangor elementary school classes and interacting with the children during a question and answer time.

Our on site Safety Day program was another big success. We visited Wal-Mart, K-Mart, Home Depot, the Moose Lodge and COPOCO Credit Union, just to name a few. We are continually looking for new programs, and opportunities to make our current programs better.

FIRE PREVENTION

For 2011 we continued our Engine Company Fire Safety Inspections program for the community and completed 231 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 as it helps 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. For the more complex inspections, Fire Marshal Bailey conducted 181 inspections and re-inspections on target hazard occupancies in 2011. These occupancies are places such as; Hospitals and Nursing Care Facilities, High-rise Buildings, Day Care Facilities, Restaurants, Public Assembly (i.e. Rental Halls) and Haz-Mat Sites. Fire Marshal Bailey has also had the responsibility of investigating the cause and origin of the building fires we had in 2011. 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 2011 we completed the process of having all Department Officers certified to the Fire Officer III level as Fire Marshal Bailey, Captain Galloner and Lieutenant Starkey received their Fire Officer III certification from the state. During 2011 Lieutenant Starkey and Sergeant Middleton attended classes at the National Fire Academy in Emmittsburg, Maryland. As we continue into 2012 we will work to ensure our employees have access to the most up to date training and to make our department as professional and well prepared as possible.

A chart of the training that department members participated in is included in this report.

APPARATUS

During 2011 we did not add any new apparatus to our fleet. We are approaching the 15-year mark for the recommended replacement of Engine 7, our 1997 Pierce. Engine 6 is now 11 years old and will soon need to be evaluated for replacement at the 15-year mark also. In 2011 the Township spent \$7,154.53 on repairs for these two Engines

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

Our department consists of one Fire Chief; one Assistant Chief, one Fire Marshal, one Captain, one Lieutenant, two Sergeants, two Engineers, nine full-time firefighters and thirteen 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, that 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.

In 2011 we added 1 Reserve Firefighters and ended the year with 17 members on the Reserve roster. This was a big step for us to increase our paid-on-call staff so we have additional personnel to back up our full time staff.

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

Ken	Bailey	07/31/78	Fire Marshal
Donald	Middleton	11/01/78	Sergeant
Rick	Hoppe	03/21/82	Asst. Chief
Ray	Madigan	01/03/83	Firefighter/EMT

George	Strieter	05/18/87	Firefighter/EMT
Scott	Sturm	12/09/89	Sergeant
Mike	Royer	06/14/95	Firefighter/AEMT
Mike	Galloner	12/04/95	Captain
Jeff	Koons	11/04/96	Firefighter/EMT
Jim	Starkey	01/07/97	Lieutenant
Jon	Jacobs	10/02/97	Firefighter/EMT
Brian	Phillips	07/17/99	Engineer
Scott	Cooper	07/17/99	Firefighter
Jay	Tomaszewski	05/27/01	Firefighter/EMT
Alan	Hodder	11/22/04	Firefighter
Kathryn	Garcia	01/11/05	Firefighter
Mike	Sarnowski	08/14/06	Firefighter/EMT
Scott	Schuch	08/14/06	Firefighter/AEMT
Rick	Donahue	06/18/07	Chief
Ron	Moore	10/01/07	Firefighter/EMT
Kristopher	Robinson	10/01/07	Firefighter
Dane	Iler	10/01/07	Firefighter
Joe	Feinauer	09/25/09	Engineer
Shalah	Hutchins	12/08/09	Firefighter/EMT
Andrew	Tennant	12/08/09	Firefighter/AEMT
John	McIngvale	12/08/09	Firefighter/EMT.
Joseph	Wieland	10/04/10	Firefighter/MFR
David	Gray	12/07/10	Firefighter
Zachary	Schultz	12/07/10	Firefighter
Jordan	Strieter	12/07/10	Firefighter/EMT
Giorgio	Urso	09/22/11	Firefighter/EMT

In 2011 we had an average of 4.5 Reserve Firefighters respond to the 99 full responses during the year. We have worked hard to increase this number to provide the best service possible to our residents. Due to the fact our paid on call personnel have fulltime jobs it is difficult to get this number increased. This increase has been accomplished in part by continuing to increase the number of Reserve Firefighters on our roster and establishing a required minimum number of responses. But most of the credit goes to our Reserve Firefighters who have shown themselves to be up to the task, even though a majority of our calls are during the day when most are at their fulltime jobs.

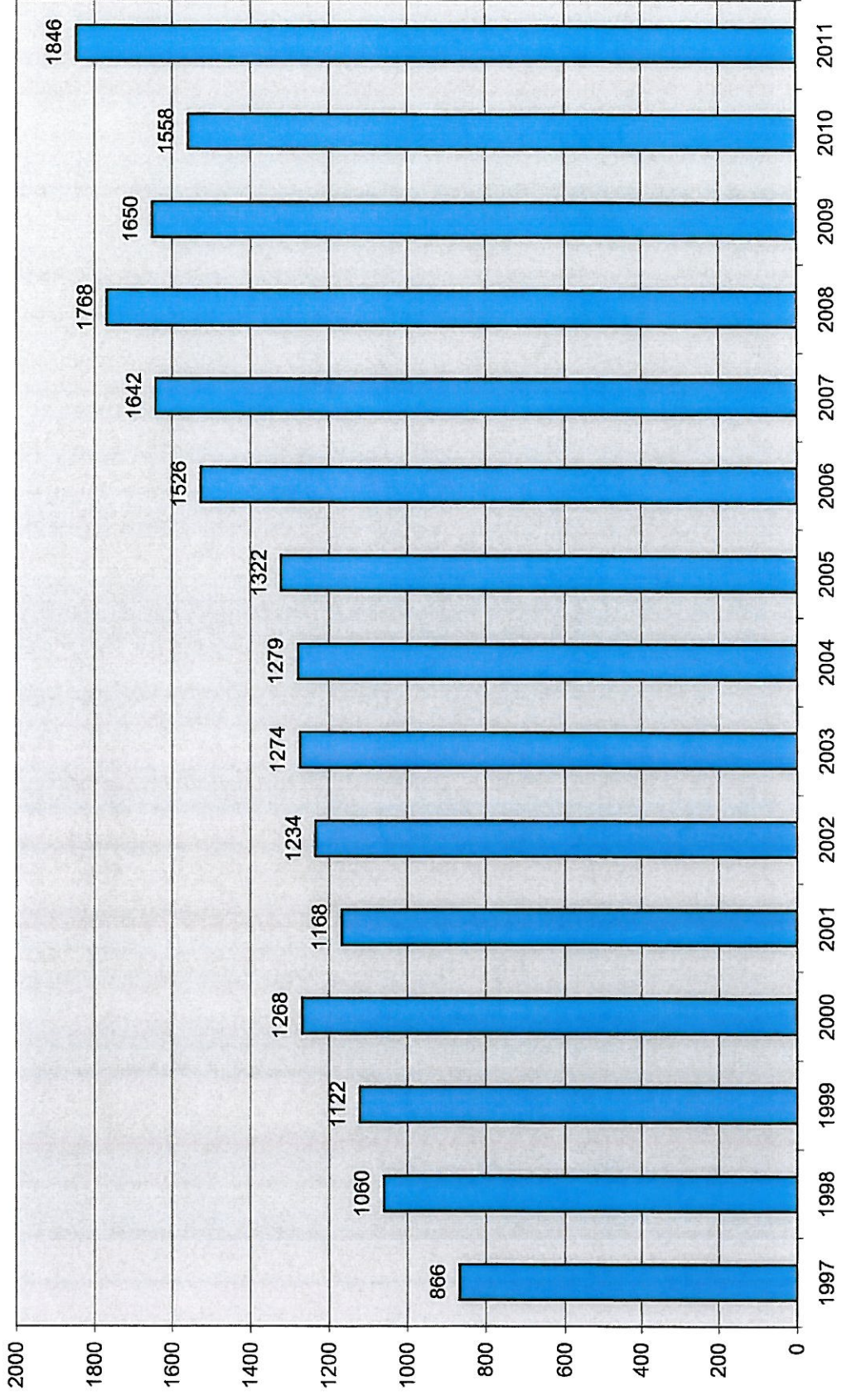
In closing, I would like to thank you for the opportunity to lead this department into the future. It is my goal to make this department the best it can be through a commitment to training, education, safety and community service. While 2011 has been full of fiscal challenges; we will continue to work our way through them together. 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

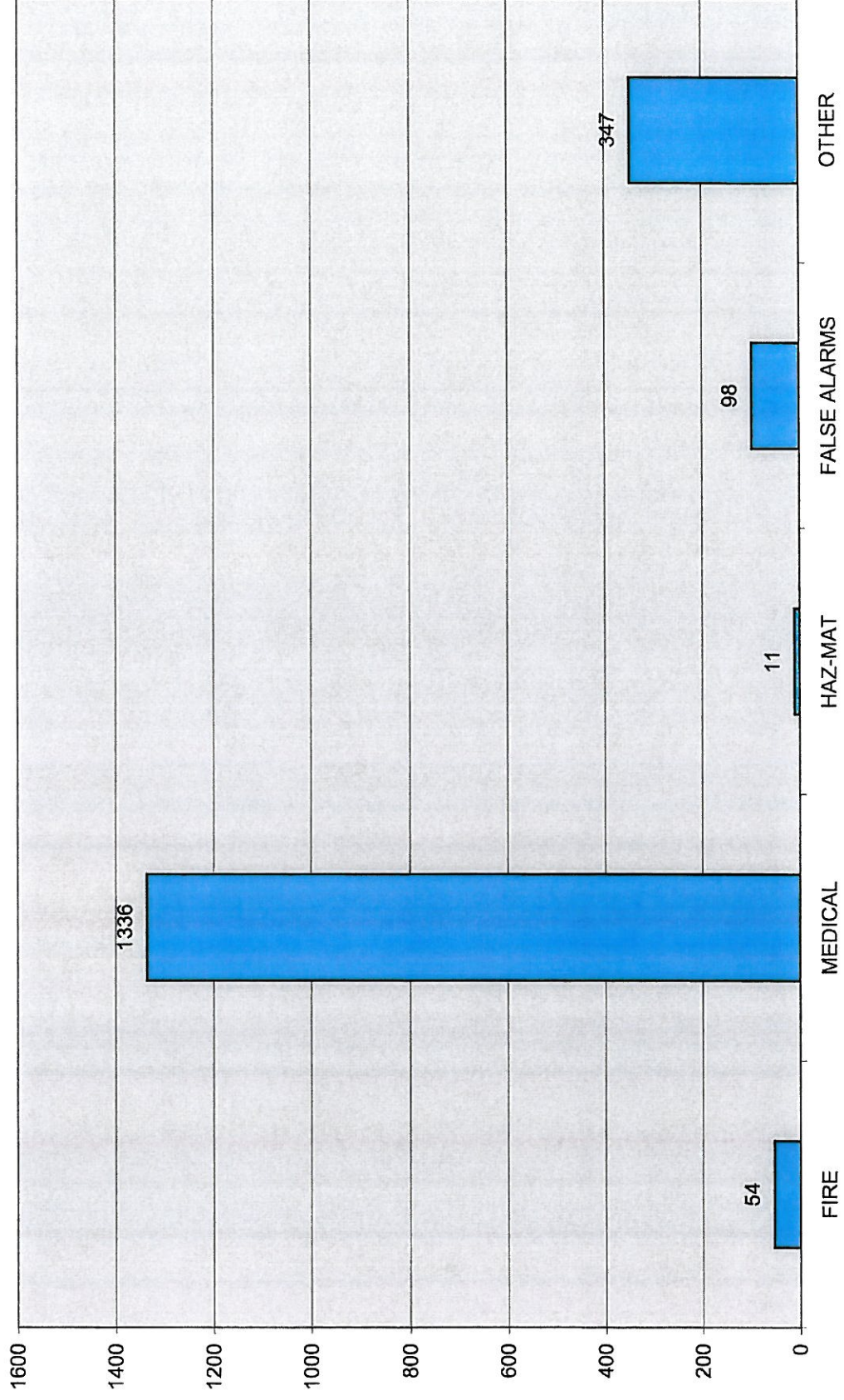
Incident Response 1997 - 2011

YEAR	FIRE	MEDICAL	HAZ-MAT	FALSE ALARMS	OTHER	TOTAL
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

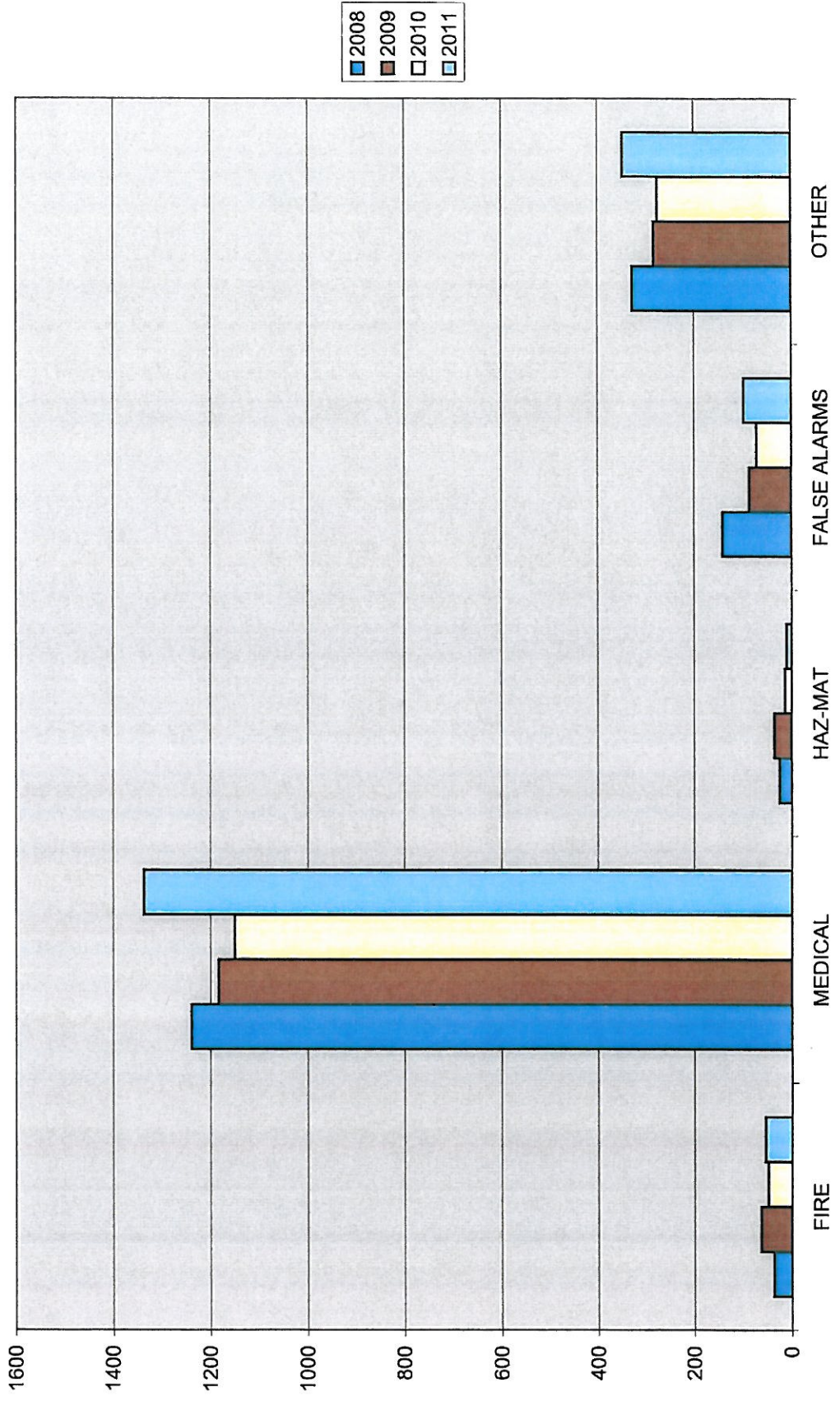
Incident Total 1997 - 2011



Incidents by Type - 2011



Incidents by Type 2008 - 2011



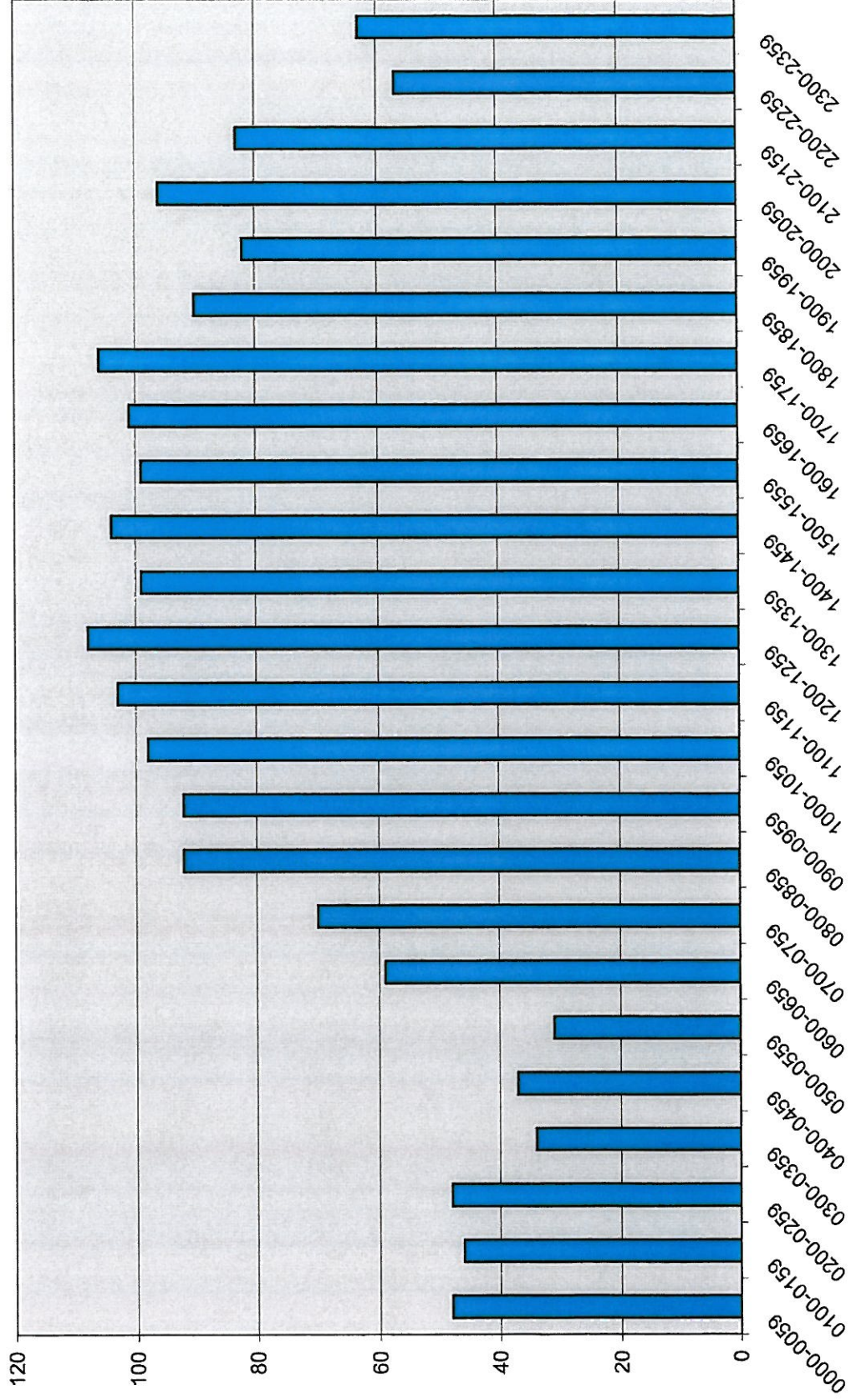
Bangor Township Fire Department Response Statistics 2003-2011

	2003	2004	2005	2006	2007	2008	2009	2010	2011	Average
Average Response Time	3.42	3.28	3.04	3.12	3.07	3.64	3.63	3.72	3.75	3.41
Incidents by Station										
Station # 6	518	543	593	667	756	768	723	691	833	676.89
Station # 7	756	736	729	801	887	1000	937	867	1013	858.44
Incidents by Shift										
A Shift	404	410	413	475	541	641	559	511	615	507.67
B Shift	352	393	464	510	520	559	541	503	618	495.56
C Shift	441	398	394	469	582	568	550	544	613	506.56
Incidents by Census Tract										
Tract 58 (South of railroad tracks)	528	559	593	689	757	772	723	703	819	682.56
Tract 59 (area between tracks & Kawkawlin River)	561	567	566	613	671	793	763	647	751	659.11
Tract 60 (North of Kawkawlin River)	185	153	163	222	215	203	174	201	269	198.33
Mutual Aid Given	2	7	3	0	8	3	8	8	9	5.33
Mutual Aid Received Total	2	10	4	3	3	2	3	5	5	4.11

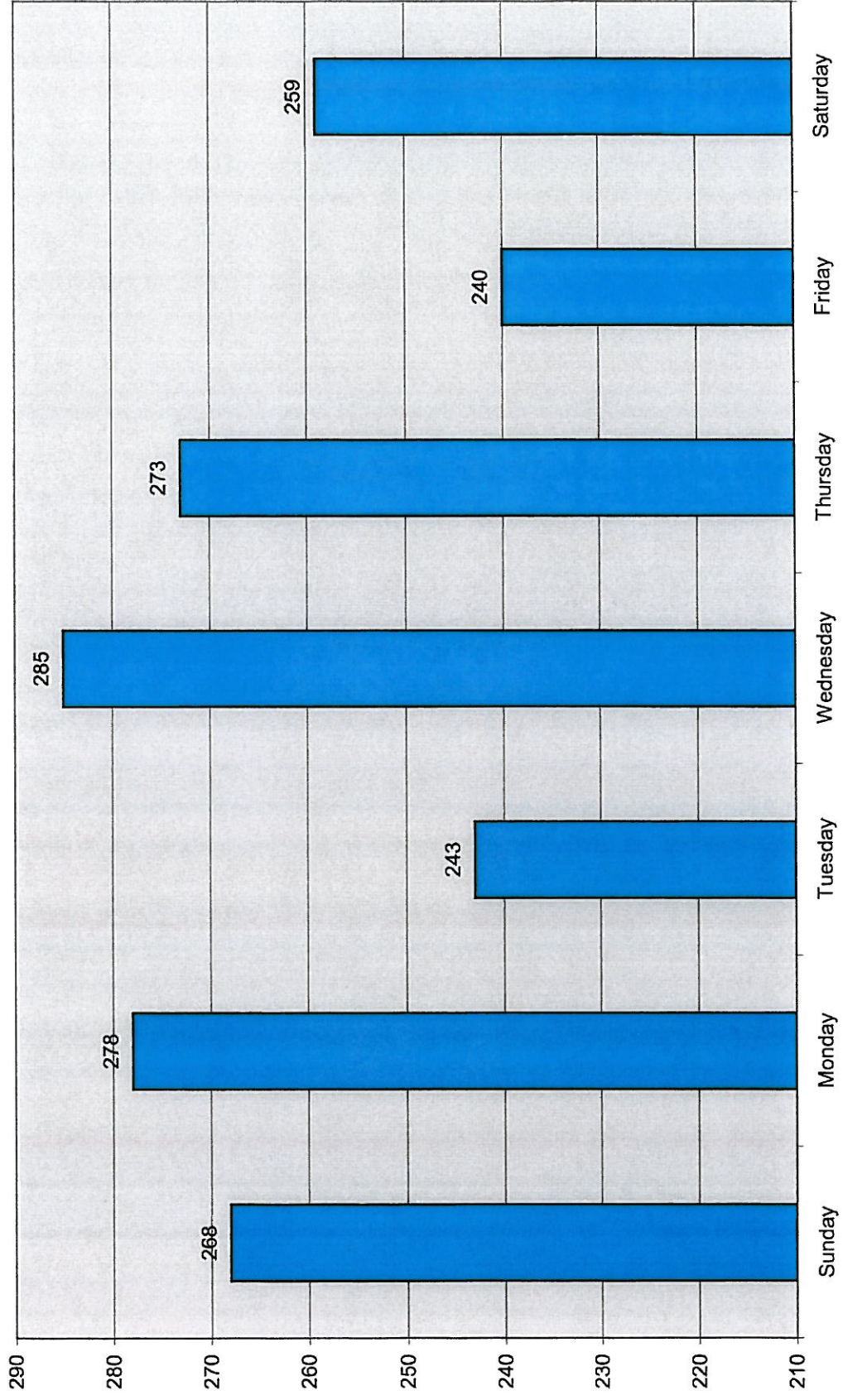
Runs by Hour and Day - 2011

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total by Hour
0000-0059	12	4	3	8	6	5	10	48
0100-0159	5	9	6	8	8	5	5	46
0200-0259	11	4	3	3	7	8	12	48
0300-0359	8	6	6	4	4	4	2	34
0400-0459	5	8	3	4	3	5	9	37
0500-0559	3	5	4	3	8	3	5	31
0600-0659	8	8	10	5	14	4	10	59
0700-0759	6	10	9	10	14	12	9	70
0800-0859	15	10	11	22	18	8	8	92
0900-0959	9	11	12	17	17	13	13	92
1000-1059	13	22	11	16	12	11	13	98
1100-1159	18	13	16	10	11	15	20	103
1200-1259	13	15	15	17	14	18	16	108
1300-1359	8	20	15	14	13	21	8	99
1400-1459	16	23	10	17	15	14	9	104
1500-1559	18	16	12	15	10	13	15	99
1600-1659	13	14	22	17	12	13	10	101
1700-1759	19	11	10	17	22	14	13	106
1800-1859	13	15	13	16	11	14	8	90
1900-1959	11	11	9	18	8	6	19	82
2000-2059	6	16	14	14	13	13	20	96
2100-2159	20	12	9	11	15	8	8	83
2200-2259	8	12	9	8	11	3	6	57
2300-2359	10	3	11	11	7	10	11	63
Total by Day	268	278	243	285	273	240	259	

Runs by Time of Day - 2011



Runs by Day of the Week - 2011



FIRE MARSHALS DIVISION

2011 INSPECTION AND ACTIVITY REPORT

Fire Marshal Ken Bailey

60	Routine Inspections
81	Re-inspections
13	Complaint Inspections
14	Fire Suppression / Alarm Systems
13	New Construction Inspections
120	Engine Company Inspections
111	Engine Company Re-inspections
412	TOTAL INSPECTIONS
687	Violations Written
549	Violations Corrected
5	Fire Investigations
7	Plan Reviews
111	Fire Safety Presentations

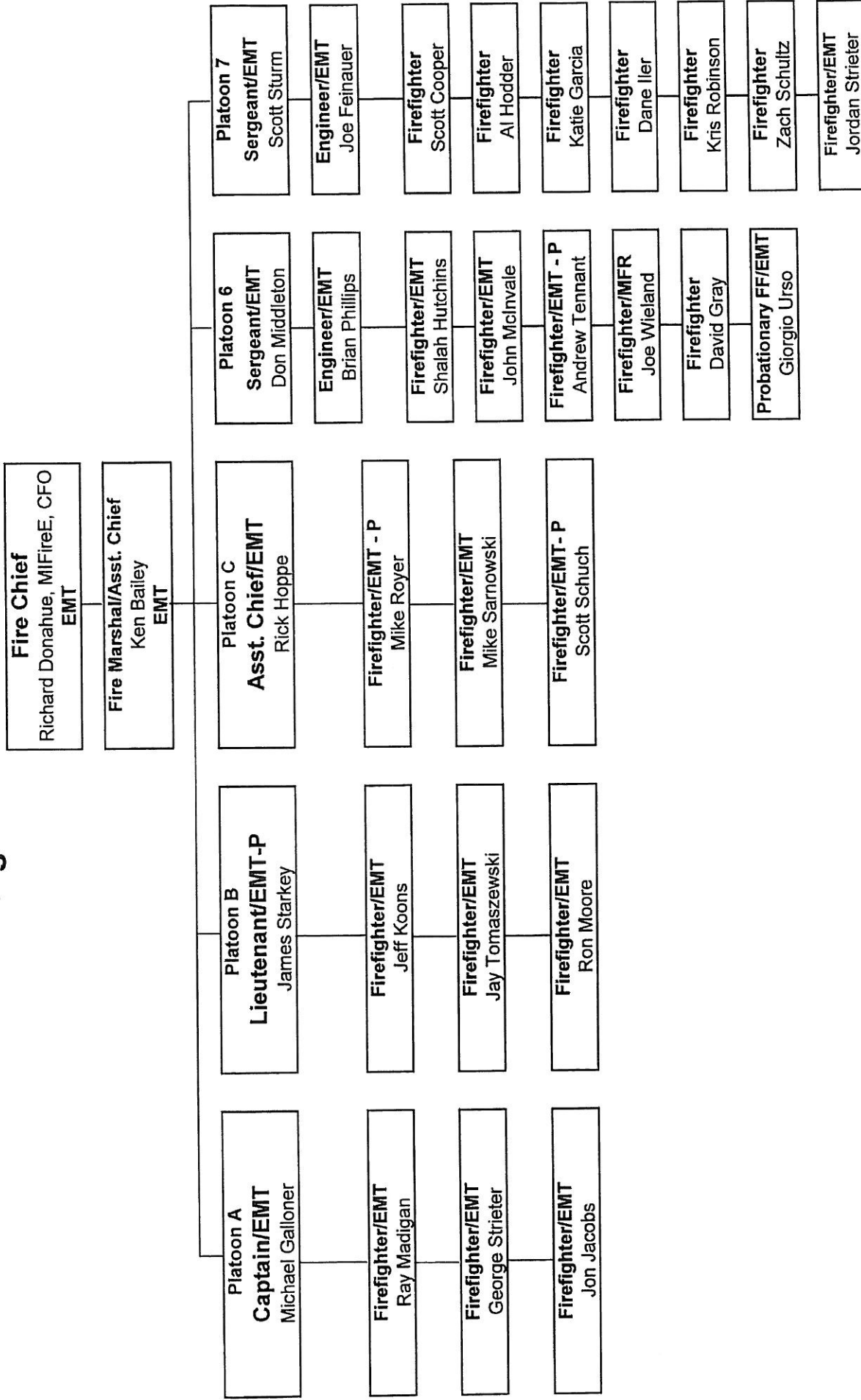
OTHER:

Michigan Fire Inspectors Society Fall Educational Seminar
NFPA 1 Fire Code Class – Kirtland Community College

Training Activities 2011

In-House Training	Outside Training	Shift Training
Ice Rescue	Health and Safety Officer	Engineer Training
Calling the Mayday	Live Fire Training with Portsmouth F.D.	Waste Water Treatment Plant Pre-Incident Survey
Rapid Intervention Team	Leadership I	Consumers Energy Pre-Incident Survey
Self Contained Breathing Apparatus	Pipeline Safety	Sunoco Pre-Incident Survey
Meth Lab response and Safety	Leadership II	Thermal Imaging Cameras
Gas and Electric Utilities	Leadership III	Dow Terminal Pre-Incident Survey
Boat 7 Operations	National Fire Academy-	Marathon Terminal Pre-Incident Survey
Water Rescue	Command & Control of Multi-Alarm Incident	Passport Accountability System
Hose Testine and Hose Loads	Rope Rescue	Huron & Eastern Pre-Incident Survey
Drivers Training	Fire Inspectors Educational Seminar	S.C. Johnson Pre-Incident Survey
CPR/AED Recertification	Confined Space Rescue	Oxy-Chem Pre-Incident Survey
EMS Airway and Ventilation	Incident Management/Unified Command ICS-300	MABAS
Pump ans Foam Operations	Advanced ICS Command & General Staff ICS-400	Boat 7 Operation
800 MHz Radio operation	Rapid Intervention Crew	Fire Control
Cold Water Rescue	EMS/IC Refresher	Thermal Imaging Camera
Haz-Mat Operations Refresher	Incident Response to Terrorist Bombings	SCBA Voice Vector operation and Maintenance
Haz-Mat Emergency Response Guidebook	Response to Suicide Bombing Incidents	Chevy Volt Emergency Response Guide
Vehicle Extrication	Solar Energy Safety	Fire Detection and Suppression Systems
Splinting, Musculoskeletal Injuries		Bay Metro Water Treatment Plant Pre-Incident Survey
Burns & Airway Management		Fire Behavior
Hypothermia and Cold Weather Emergencies		Clandestine Drug labs
Haz-Mat for Railroads		Small Power Equipment Operation
		Ventilation
		Pulse-ox Operation

Bangor Township Fire Department Organizational Chart 2011



**Monitor Township Mutual Aid
September 2011**



Killarney Beach
June 16, 2011

