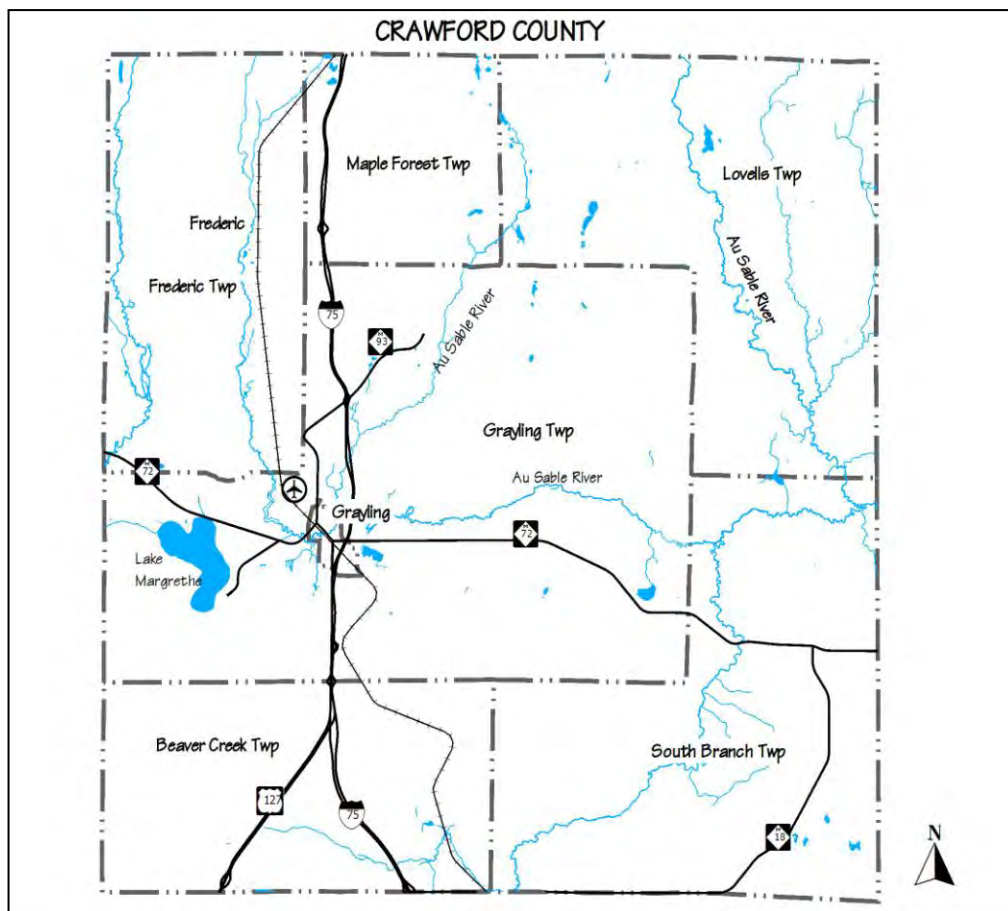


Crawford County 2014 Master Plan Update



ADOPTED:

Planning Commission: September 17, 2014
County Board of Commissioners: October 23, 2014

Prepared by:

Crawford County Planning Commission

With Assistance from:

M. C. Planning & Design

In partnership with
Northeast Michigan Council of Governments

Crawford County
2014 Master Plan Update
Including Recreation Plan

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Adopted

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CRAWFORD COUNTY
MASTER PLAN UPDATE 2014

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Chapter 1 - Introduction



Crawford County is located in the north central Lower Peninsula of Michigan. The county is composed of six townships: Grayling Township, Frederic Township, Maple Forest Township, Lovells Township, South Branch Township, and Beaver Creek Township. Also located in Crawford County is the City of Grayling, which is the county seat (**Figure 1.1**).

Crawford County is approximately 35 miles from Lake Michigan and approximately 55 miles from Lake Huron. It is bordered on the east by Oscoda County, on the south by Roscommon County, on the west by Kalkaska County, and on the north by Otsego County. Crawford County has a land area of 556 square miles and a population of 14,074. Its population density is 25.3 people per square mile.

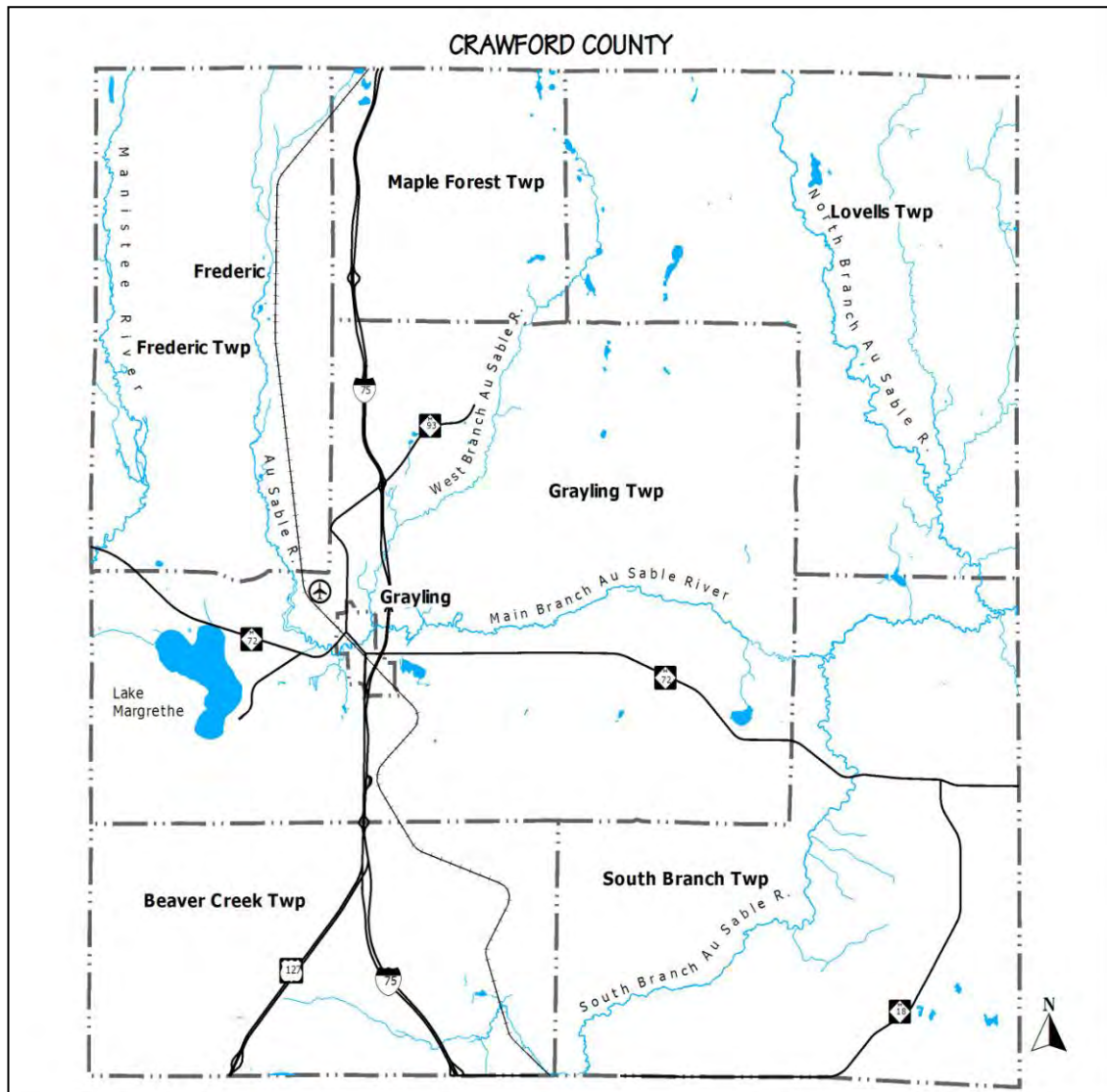


Figure 1.1

Purpose and Planning Process

The Crawford County Planning was formed under County Planning Act 282 of 1945, and under that law commenced updating the Master Plan. In 2008 the Michigan Planning Enabling Act, P.A. 33 of 2008, replaced the County Planning Act. In accordance the planning act a county may adopt, amend, and implement a master plan. The Michigan Planning Enabling Act states: *The general purpose of a master plan is to guide and accomplish, in the planning jurisdiction and its environs, development that satisfies all of the following criteria:*

- (a) *Is coordinated, adjusted, harmonious, efficient, and economical.*
- (b) *Considers the character of the planning jurisdiction and its suitability for particular uses, judged in terms of such factors as trends in land and population development.*
- (c) *Will, in accordance with present and future needs, best promote public health, safety, morals, order, convenience, prosperity, and general welfare.*
- (d) *Includes, among other things, promotion of or adequate provision for 1 or more of the following:*
 - (i) *A system of transportation to lessen congestion on streets.*
 - (ii) *Safety from fire and other dangers.*
 - (iii) *Light and air.*
 - (iv) *Healthful and convenient distribution of population.*
 - (v) *Good civic design and arrangement and wise and efficient expenditure of public funds.*
 - (vi) *Public utilities such as sewage disposal and water supply and other public improvements.*
 - (vii) *Recreation.*
 - (viii) *The use of resources in accordance with their character and adaptability.*

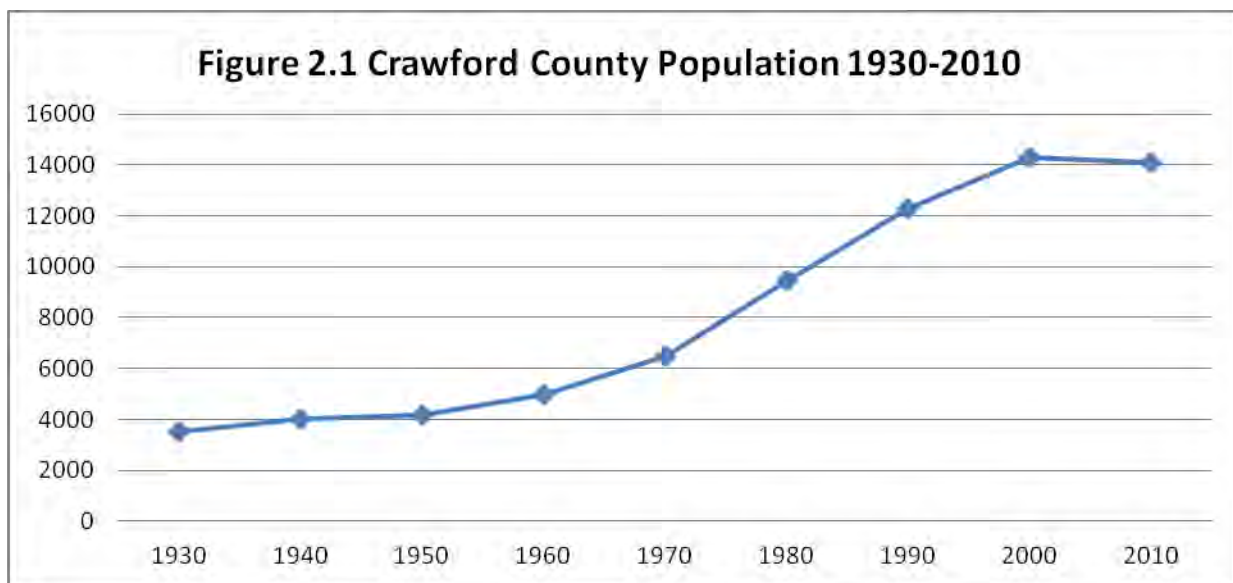
M.C. Planning & Design in Partnership with NEMCOG, assisted the Crawford County Planning Commission in preparing the 2014 Master Plan Update, which is based in large part on the 2009 Master Plan (prepared with assistance from NEMCOG). Since Crawford County no longer administers zoning in unincorporated areas of the county, this master plan does not address future land use in detail. Future land use planning is addressed at the township and city level in their respective master planning processes, and those local future land use maps are compiled and in this 2014 Master Plan Update. This plan presents background information on social and economic data, natural resources, existing community services and facilities, and existing land cover. The background information is used to identify important characteristics, changes and trends in County. Community zoning maps and future land use maps were stitched together to form composite maps that were reviewed and analyzed for consistency and boundary conflicts. As part of the 2014 Master Plan Update, a recreation plan component was incorporated. Both the County Planning Commission and the Grayling Recreation Authority sponsored public input sessions and additional public meetings during the planning process to solicit public input. Other community workshops and surveys were reviewed to gain an understanding of the issues and concerns of county residents, landowners and local officials. In addition, results of workshops conducted by several townships during their own master plan development and subsequent township goals and objectives were reviewed. Based on this information, the County Planning Commission developed and refined goals and recommendations. The final component involved an analysis of public lands that may be appropriate for transfer into private ownership, and would benefit the county and local communities.

Chapter 2 - Social and Economic Conditions

Population

The 2010 Census showed that Crawford County had population of 14,074, which equated to a 1.4% decline in population from the 2000 US Census. Prior to this, Crawford County had experienced 50-year trend of population gains. a steady growth in population until the latter part of the 2000's, as seen in **Figure 2.1**. Population is concentrated in the City of Grayling and Grayling Township area with other population centers located in South Branch, Beaver Creek and Frederic Townships.

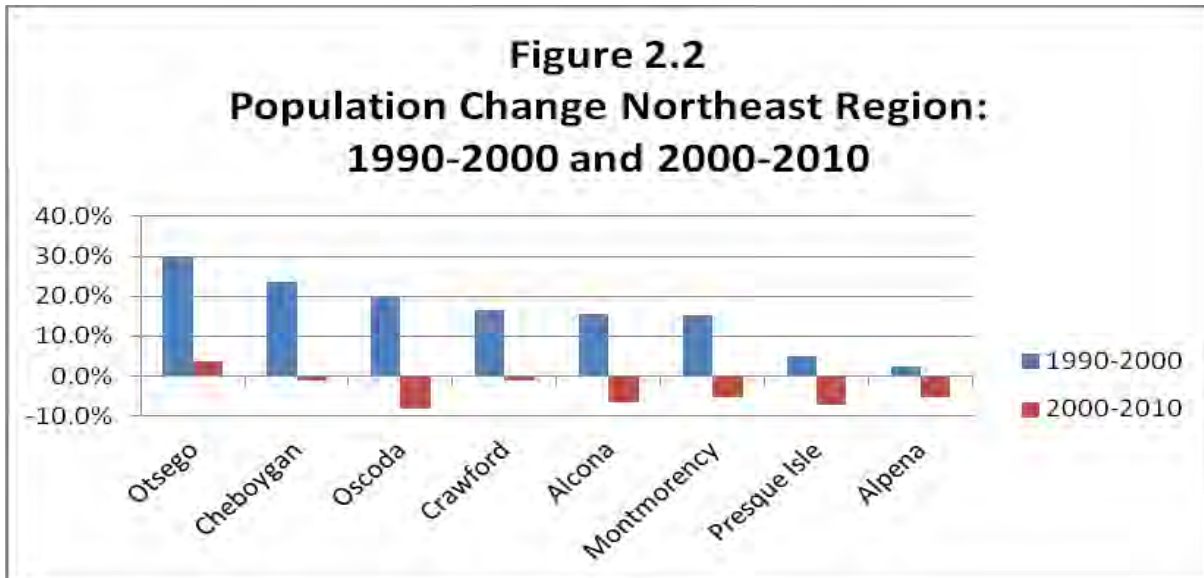
Further examination of the demographics shows Crawford County's population is aging at a higher rate than the State and Nation. Shifting population bases create new demands on community services and emergency response.



Source: U.S. Census Bureau

The population density for the County averages 25.3 persons per square mile, although 55 percent of the County population is located in Grayling Township or the City of Grayling.

Similar to the majority of the eight counties that make up the Northeast Region, Crawford experienced considerable population growth during the last decade. With the exception of Alpena and Presque Isle Counties, all the counties in the region between 1990 and 2000 experienced growth rates that ranged from 15 to 30 percent, but the population of Crawford County declined between 2000 and 2010. See **Figure 2.2** for a comparison of the population changes by county from 1990 to 2000, and from 2000 to 2010.



Source: U.S. Census Bureau

Population by Municipality

Beaver Creek, Lovells, Maple Forest and South Branch Townships experienced population growth over the past decade. The City of Grayling, Frederic and Grayling Townships experienced population declines and resulted in the county as a whole showing a population loss over the past decade. **Table 2.1** shows population trends for communities in the County.

Table 2.1 Population For Crawford County & Municipalities, 2000-2010				
Municipality	2000 Population	2010 Population	Percent Change	Numeric Change
Crawford County	14,273	14,074	-1.4%	-199
City of Grayling	1,952	1,884	-3.5%	-68
Beaver Creek Township	1,486	1,736	16.8%	250
Frederic Township	1,401	1,341	-4.3%	-60
Grayling Township	6,516	5,827	-10.5%	-689
Lovells Township	578	626	8.3%	48
Maple Forest Township	498	653	31.1%	155
South Branch Township	1,842	2,007	9.0%	165
Source: U.S. Bureau of the Census				
Note: Red text indicates decline and green text indicates increase				

Seasonal Population

Obtaining accurate numbers of seasonal residents and tourists is difficult. Because the U.S. Census is conducted each decade in April, the numbers only reflect those persons who live in the county on a year-round basis. Tourism and annual events can provide large increases in population on any one weekend. The Weyerhaeuser AuSable River Canoe Marathon in July can attract as many as 50,000 people to area.

A rough estimate of the number of county seasonal residents can be calculated by multiplying the number of county seasonal housing units by the county's average number of persons per household. The 2010 Census showed that there were 4,535 seasonal housing units in the county and an average household size of 2.5 persons. Considering the additional influx of seasonal visitors or tourists staying in area motels, campgrounds, or family homes, a spike in population could increase the County population by more than 10,000 persons during certain times. These spikes in populations should be acknowledged when identifying hazard mitigation strategies.

Age Distribution

According to the 2010 Census, Crawford County's year round population was 14,074 persons. This figure represents a loss of 199 persons or 1.4 percent from the 2000 Census. Even with the loss, the age group of 45 years and older gained population, increasing by 1,571 persons (26% increase). However, the county experienced losses in age groups that represent young families. Youth age group (19 years and younger) lost 703 persons (18.4% decrease) and the adult age group (25-44 years of age) declined by 1,073 persons (28.3% loss). See **Figures 2.3** and **2.4**, and **Table 2.2**.

The median age of the County has increased from 34.7 years in 1990, to 40.6 years in 2000, and to 47.7 years in 2010. At the same time the State's median age increase from 32.5 to 38.9 years. The difference in median age between the County and State increased from 1990 to 2010 as the County's population make-up "ages" at the faster rate, **Figure 2.3**

In conclusion, shifts in the County's demographic make-up are changing the population structure. Long term trends in the increase in median age continue at the faster rate than the State of Michigan and US. The rate has increased with the down turn in the economy, as young families move to other areas for employment. An aging population needs access to social and medical services. The county's emergency response services will experience an increase in demands.

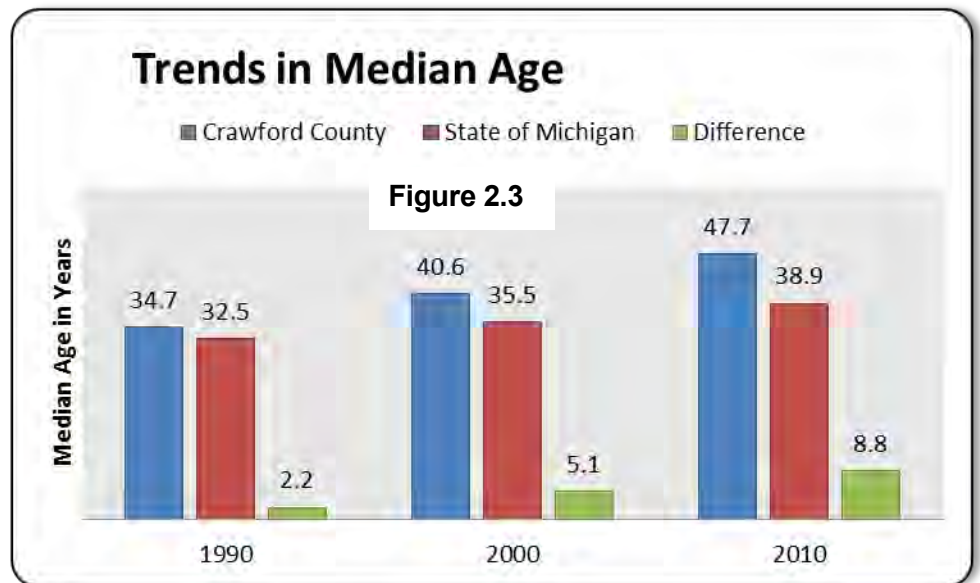


Figure 2.4

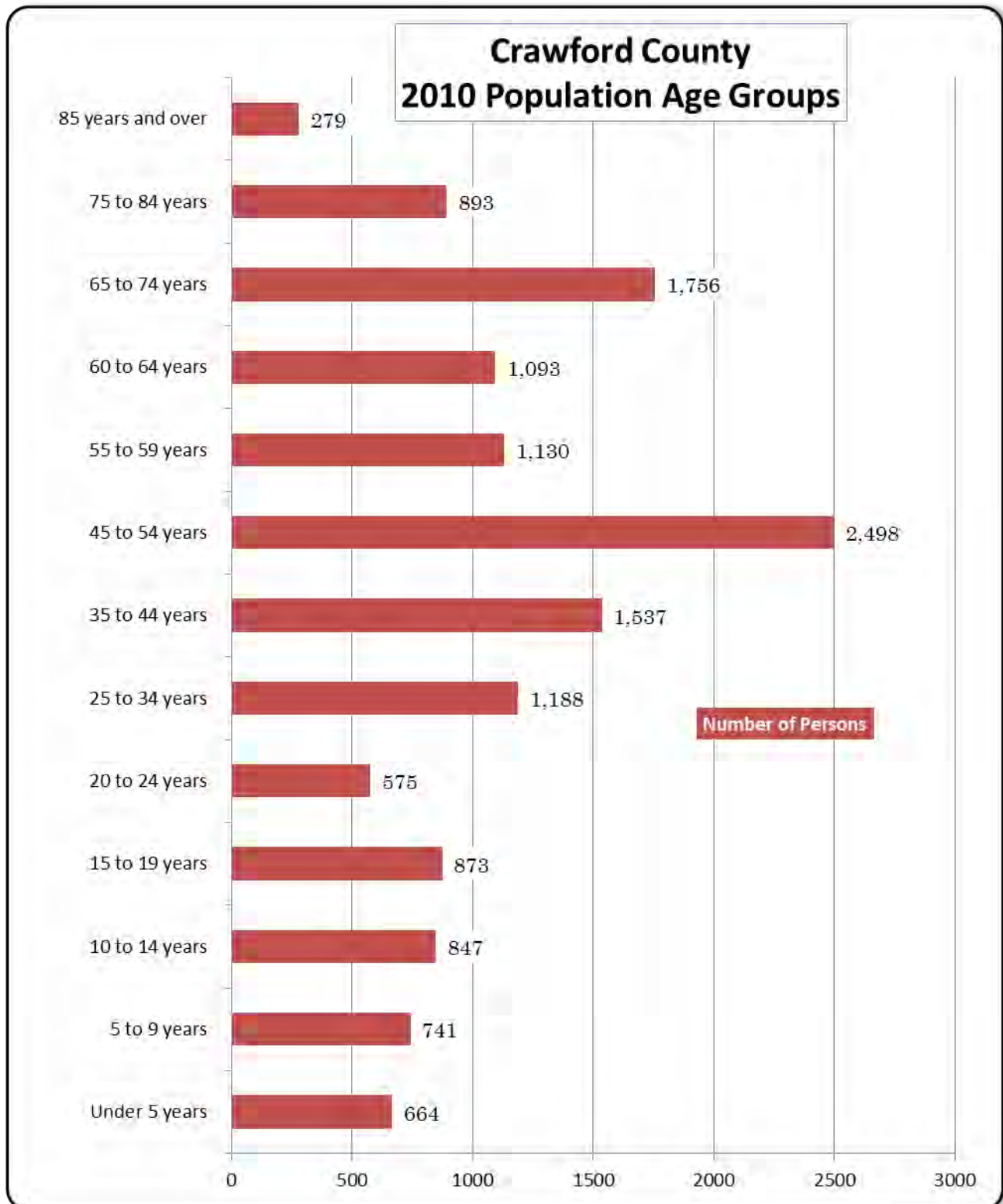


Table 2.2
Age Distribution By Municipality For Crawford County - 2010

MUNICIPALITY	< 5 Yrs.	%*	5-19 Yrs.	%*	20-24 Yrs.	%*	25-44 Yrs.	%*	45-64 Yrs.	%*	65 Yrs. & >	%*	Median Age
City of Grayling	124	6.6	385	20.4	118	6.3	450	23.9	417	22.1	390	20.8	38.6
Beaver Creek Township	67	3.9	330	19.0	67	3.9	317	18.3	601	34.7	354	20.3	47.8
Frederic Township	62	5.2	243	18.1	53	4.0	266	19.9	456	34.0	261	19.4	47.5
Grayling Charter Township	282	4.8	1019	17.5	241	4.1	1137	19.4	2009	34.6	1139	19.6	45.0
Lovells Township	14	2.2	63	10.0	14.0	2.2	71	11.4	258	41.2	206	32.9	57.5
Maple Forest Township	28	4.3	126	19.3	19	2.9	129	19.8	235	36.0	116	17.7	46.8
South Branch Township	87	4.3	295	14.7	63	3.1	355	17.7	745	37.1	462	23.0	50.8
Crawford Co.	664	4.7	2461	17.5	575	4.1	2725	19.3	4721	33.5	2928	20.8	47.7

*Figure shows the percentage each age grouping represents of the local unit's total population.
Source: U.S. Bureau of the Census

Race and Ethnic Composition

Information found below on **(Table 2.3)** shows that Crawford County has a very small minority population and that statistic has changed relatively little over the last several decades. The respondents were given the opportunity to choose more than one race category.

Table 2.3
Population By Race And Ethnicity For Crawford County 2010

	Number of Persons	% of Total Population
White	13,721	97.5%
African American	51	0.4%
American Indian	76	0.5%
Asian	52	0.4%
Pacific Islander	1	>0.1%
Other Race	17	0.1%
Two or More Races*	156	1.1%
Hispanic or Latino Origin**	182	1.3%
Total	14,074	100.0%

* Census 2010 - opportunity to choose more than one race category.

** Persons of Hispanic or Latino Origin may be of any race.

Source: U.S. Bureau of the Census

Education

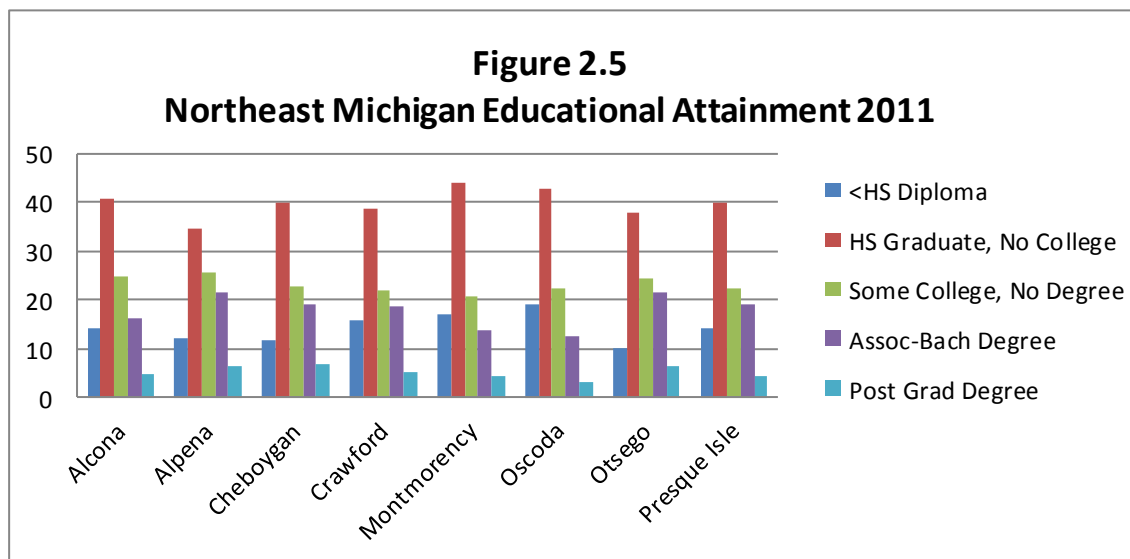
Since 1990, Crawford County has continued to make increases in educational attainment as shown by **Table 2.4**. The percent of people in Crawford County age 25 and older who have earned a high school diploma or higher has increased from 73.6 percent in 1990 to 84.4 percent in 2010. There were also significant increases in the number and percent of persons with associates, bachelors, graduate or professional degrees.

Degree	2000		2007-2011	
	Number	Percent	Number	Percent
Less than 9 th grade	436	4.4	341	3.3
9 th to 12 th no Diploma	1,457	14.8	1,290	12.4
High School Diploma	3,715	37.6	4,010	38.6
Some college no degree	2,342	23.7	2,288	22.0
Associates	643	6.5	915	8.8
Bachelors	845	8.6	1,041	10.0
Graduate or Professional	433	4.4	515	5.0

Source: U.S. Bureau of the Census 2000 and American Community Survey 2007-2011

Other encouraging news shown by the 2010 census the numbers of persons who only completed 9th to 12th grade and had no diploma and those who had less than a 9th grade have continued to decrease.

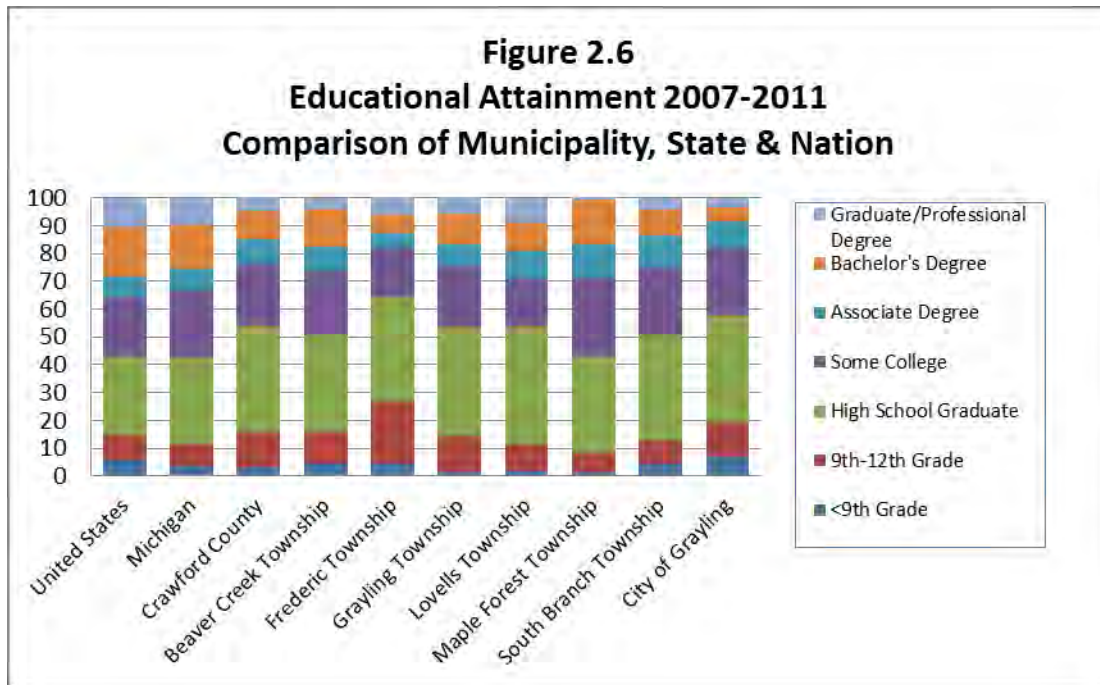
On a regional scale, post-secondary educational attainment is more likely to be found in the counties of Alpena, Cheboygan, Crawford and Otsego than in the other Northeast Michigan counties (**Figure 2.5**). This is not surprising, given the fact that community colleges are located in or very near these four counties. Access to four-year colleges and advanced training opportunities are also more readily available in these counties, as are jobs in the manufacturing sector. Some of these jobs require post-secondary education or training.



Persons age 25 years or over.

Source: American Community Survey 2007-2011

Both **Figure 2.6** and **Table 2.5** show the educational attainment of Crawford County and its individual municipalities as compared to the state and national level. Both Michigan and the U.S. have a higher percentage of people with a Bachelor's Degree or higher. There are comparable levels of people with some college experience in the county, state, and nation. On average, the percentage of people with only 9th – 12th grades or a high school education is greater in Crawford County and its municipalities than Michigan and the U.S. Of all the municipalities, Grayling Township appears to have the highest level of education attained. However, the overall education level is lower in the county than in the Michigan or the U.S.



Governmental Unit	Less than 9th Grade	9th - 12th Grade	High School Graduate	Some College	Associate Degree	Bachelor's Degree	Graduate/ Professional Degree
United States	6.1	8.5	28.6	21.0	7.6	17.7	110.5
Michigan	3.5	8.1	31.1	23.8	8.2	15.6	9.7
Crawford County	3.3	12.4	38.6	22.0	8.8	10.0	5.0
Beaver Creek Township	4.7	11.0	34.9	23.0	8.8	13.4	4.1
Frederic Township	4.7	22.0	37.8	17.2	5.9	6.5	6.0
Grayling Township	1.2	12.8	39.9	21.6	7.9	11.1	5.6
Lovells Township	1.7	9.6	43.0	16.7	10.0	10.0	9.0
Maple Forest Township	1.5	6.5	35.0	28.2	12.1	16.2	0.6
South Branch Township	4.6	8.1	37.9	24.5	11.6	8.8	4.4
City of Grayling	6.8	12.4	38.9	23.8	9.6	5.0	3.4
Source: American Community Survey 2007-2011							

Economic Overview

As with much of northern Michigan, Crawford County has long been an area of high poverty, low incomes, and unemployment. This problem is due largely to the lack of high paying, year-round employment for local residents. Although less obvious in Crawford County, Michigan's economic boom during the 1990s did bring positive economic results. The retail and service sectors have grown, particularly in health care and tourism related fields. Crawford County has become better known in the State as a recreation and retirement destination. Favorable land prices have helped draw new residents and seasonal visitors to the area. The County's high quality of life, including an abundant natural resource base, has helped sustain the local economy.

Income and Poverty

Income and poverty statistics for Crawford County show that, although median income in the county has increased by 28 percent, it is still considerably lower than the State. The gap has narrowed over the last few decades to less than 30 percent (**Table 2.6**). From 1990 to 2000, the poverty rate in Crawford County had modest declines in all categories (**Table 2.7**). The poverty rate for families with children had only a small reduction of 0.8 percent, while the rate for families with a female householder with no husband present dropped by 4.5 percent. The poverty rate of all individuals dropped by 1.9 percent. Unfortunately, with the economic downturn of the late 2000s, the percent of those living in poverty, as of 2010, rose for most of the categories as seen in **Table 2.7**

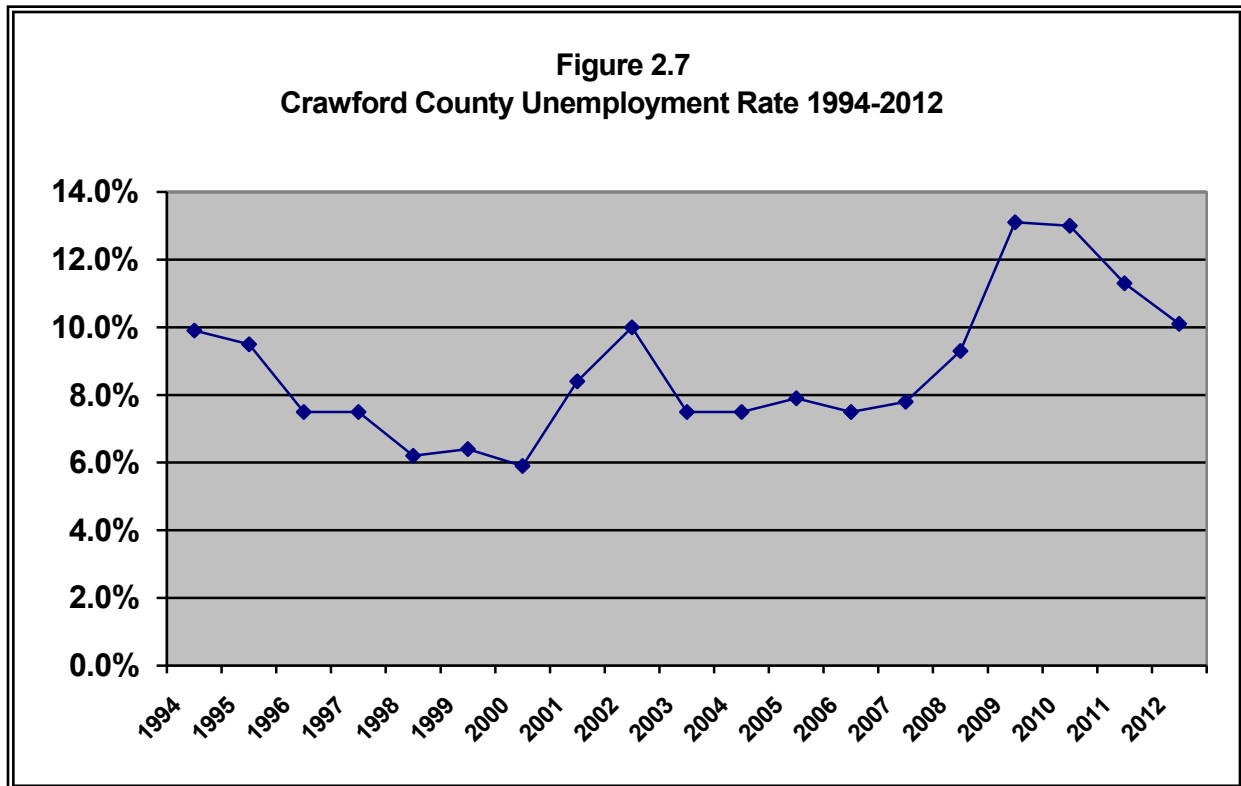
Table 2.6		
Median Family Income For Crawford County & State: 2000 & 2010		
Year	Crawford County	Michigan
2000	\$37,056	\$53,457
2010	\$47,500	\$60,895
Source: American Community Survey 2007-2011		

Table 2.7			
Poverty Status For Crawford County: 1990, 2000 & 2007-2011			
Category	1990	2000	2007-2011
	Percent	Percent	Percent
Individuals	14.6%	12.7%	17.0%
Families	10.8%	10.0%	12.1%
Families, no husband present	35.8%	31.3%	27.0%
Individuals 65+	11.8%	7.6%	8.7%
Source: U.S. Bureau of the Census and American Community Survey 2007-2011			

Employment and Unemployment

Figure 2.7 shows that the county's unemployment rate is again increasing after a period of decline from 1994 to 2000. The unemployment rate peaked in 1994 at 9.9 percent and declined steadily until 1998. The rate remained more or less steady at about 6 percent until 2000. Between 2000 and 2002 the rate rose 2 percent, peaking at 8 percent unemployment rate. As was the case with the State and most of the Country, a slowing national economy exacerbated by the terrorist attack of September 11 were the primary causes for Crawford County's 1.1 and 1.2 percent rise in the unemployment rate for

this time period. These increases were the largest in nine years, and unemployment rose to its highest level since 1995. Following this period, the unemployment rate gradually fell to 6.7 percent by the year 2005. Current data indicates that the jobless rate increased to a recent annual average high of 13.4 percent in 2009, but the annual average rate had improved to 10.1 percent by 2013. Crawford County's unemployment rate has historically been 3 to 4 points higher than the State and has mirrored the State's trend.



Employment in Crawford County is most likely to be found in the retail sector, government or services. The top job producers in Crawford County are much the same as found in other Northeast Michigan counties: service sector (approximately 28%), followed by the government sector and retail employment at approximately 24 percent and 21 percent respectively. The county's percentage of jobs in the government sector is the highest percentage in that sector of any in Northeast Michigan (Alpena County, however, has a higher number of government jobs). The county's manufacturing sector is approximately 16 percent of the county's wage and salary employment and "other" employment makes up approximately 68 percent. The smallest sector of the county's economy is employment in mining and construction (less than 4% of the wage and salary employment).

Housing Stock

Over past decades, Crawford County has experienced a steady increase in number housing units, with a high percentage used as seasonal housing. New housing starts drastically dropped in 2008 with the down turn in the U.S. economy.

Housing characteristics from the 2010 US Census are presented in **Tables 2.9** and **2.10**. The Census identified 11,092 housing units with 6,016 units occupied and 5,076 units vacant within Crawford

County. Grayling Township has the most housing units at 4,289 units (39% of the county total). As in many areas of northern Michigan, Crawford County has a large percentage of seasonal housing units, nearly 41 percent. Frederic, Lovells, and South Branch Townships have percentages of seasonal housing units greater than 40 percent. The City of Grayling has a very low percentage of seasonal housing units (2.25%).

Over past decade, the number of residential housing units in the county increased by 10.5 percent (1,050 units) while the permanent population actually decreased by 1.4 percent (199 persons). **Table 2.9** shows that between 2000 and 2010, Crawford County's total number of persons per household decreased from 2.42 to 2.31 persons.

The percentage of the occupied housing units which are owner-occupied in Crawford County have remained stable over the last decade at approximately 82. Vacancy data is one measure of the availability of housing in a community. Sufficient housing stock, for both owner-occupied and renter-occupied, must be provided to accommodate an expanding population base. According to the Census, Crawford County's housing market vacancy rate was remarkably low in 1990 and 2000, but increased in 2010 (**Table 2.8**). Throughout the county, owner and renter vacancy rates increased between 2000 and 2010. In 2010 the greatest percent vacancy rate in the County was 13% in Frederic Township. Typical normal vacancy rates of owner-occupied housing are nationally about 5 percent. Crawford County's low percentage indicates a tight housing market and an inadequate supply of available units for new residents. This situation indicates that the demand for housing is not being met through the existing housing stock.

Housing characteristics by municipality are found in **Table 2.9**. As in many areas of northern Michigan, townships in Crawford County have a large percentage of seasonal housing units, particularly in Lovell Township where 67.1% (694 dwellings) are seasonal units. Other areas with high percentages of seasonal housing units are the Townships of South Branch (48%), Beaver Creek (40%), Maple Forest (39%), and Grayling (38%). The City of Grayling has a very low percentage of seasonal housing units (1.2%). Seasonal units are often located on rivers and lakes and can vary from excellent to substandard. Many lots platted in the 1920's or 1930's are substandard in size, have private wells and use outdated or inadequate wastewater practices.

Table 2.8			
Crawford County Housing Characteristics (2000 - 2010)			
Housing Characteristics	2000	2010	% Change
Total Housing Units	10,042	11,092	10.5%
Total Occupied Units	5,625	6,016	7.0%
Owner-Occupied (#)	4,655	4,937	6.1%
Owner-Occupied (%)	82.8%	82.1%	-0.8%
Renter-Occupied (#)	970	1,079	11.2%
Renter-Occupied (%)	17.2%	17.9%	4.1%
Total Vacant Units	4,417	5,076	14.9%
Seasonal Units	4,112	4,535	10.3%
Vacancy Rate:*			
Owner (%)	1.7%	3.4%	
Renter (%)	6.3%	10.1%	
Persons Per Household	2.45	2.31	-5.7%
*Includes units that are vacant, for sale or rent; does not include seasonal units			
Source: U.S. Bureau of the Census			

Table 2.9 Crawford County Municipality Housing Characteristics - 2010								
Municipality	Total* Units	Total Occupied	% Owner Occupied	% Renter Occupied	Total Vacant	% Seasonal*	Vacant % Owner	Vacant % Renter
Crawford County	11,092	6,016	82.1	17.9	5,076	40.9	3.4	10.1
City of Grayling	890	764	47.0	53.0	126	2.2	5.3	11.4
Beaver Creek Township	1,317	733	89.7	10.4	584	39.8	3.9	5.0
Frederic Township	1,231	576	85.9	14.1	655	47.6	2.7	13.3
Grayling Township	4,289	2,464	85.2	14.8	1,825	38.0	2.7	11.7
Lovells Township	1,034	315	91.4	8.6	719	67.1	5.9	0.0
Maple Forest Township	470	263	89.4	10.6	207	38.5	5.2	3.3
South Branch Township	1,861	901	89.2	10.8	960	48.4	2.9	3.9
*Total number of housing units for each municipality **Percent of total housing units used as seasonal housing Source: U.S. Bureau of the Census								

When analyzing the county's housing stock, it is important to look at the age of the housing units. Typically, after 30 years, homes are in need of upgrade, repair and/or replacement of major systems such as roofs, heating, plumbing and electrical. As illustrated in **(Table 2.10)**, 41.9 percent of all housing units in Crawford County were at least 30 years old and almost 20 percent of the housing units in the county that were built between 1970 and 1979 will be reaching 30 years old over the course of this decade. Nearly a quarter of the housing units in the county were constructed before 1959.

The American Community Survey (2007-2011) estimates that the large majority of homes in Crawford County (80.6%) are single family detached stick built structures. Mobile homes are a popular housing option in the county and are estimated to make up 15.3 percent of the housing units in the County. Multi-family dwellings are estimated to be 3.6 percent of the housing units and the remainder of the housing units (3.6%) is other housing options such as a boat, RV, or van.

Table 2.10 Age of Housing Structures in Crawford County		
Year Structure Built	Number	Percent
2005 or later	245	2.2
2000 to 2004	577	5.2
1990 to 1999	1,659	15.0
1980 to 1989	1,802	16.3
1970 to 1979	2,820	25.5
1960 to 1969	1,574	14.2
1950 to 1959	940	8.5
1940 to 1949	608	5.5
1939 or earlier	841	7.6
Total	11,066	100
Source: US Census Bureau, American Community Survey 2007-2011		

Chapter 3 - Community Services and Facilities

Public Water Supply

The Department of Environmental Quality (DEQ) has primary enforcement authority in Michigan for the Federal Safe Drinking Water Act under the Michigan Safe Drinking Water Act. The DEQ has regulatory oversight for all public water supplies including approximately 1,500 community and 11,000 non-community water supplies. The program also regulates drinking water well drilling for approximately 25,000 new domestic wells drilled each year. Michigan has over 1.12 million households served by private wells, more than any other state. Like most of northern Michigan, Crawford County's only source of drinking water is groundwater. Public water supply for the County is summarized below:

Private Wells: Most of Crawford County's land area is served by private wells and 2,645 of these wells supply water to County residents. If drinking water comes from a private well, the owner is responsible for the water's safety. EPA rules do not apply to private wells, but the agency recommends that well owners have their water tested annually.

Community Water Systems: Community water systems serve the population year-round, such as in private residences or businesses. There are five active community water systems active in Crawford County, serving a total of 2,776 persons. This figure includes the City of Grayling community system, which supplies drinking water to 1,952 City residents and is maintained by the City of Grayling Department of Public Works.

Non-Transient Non-Community Water Systems: Non-transient water systems serve the same population, but not year-round (for example, schools that have their own water system). There are fifteen such water systems active in Crawford County, serving a total of 1,986 persons.

Transient Non-Community Water Systems: Transient non-community water systems are systems that do not consistently serve the same population. Rest stops, campgrounds, gas stations, motels and convenience type stores not hooked into a community water supply would be included in this category. Most of the wells in the County that are not considered private wells fall into this group. Eighty such wells are found in the County, serving approximately 20,000 persons.

Sewage Disposal

The City of Grayling Department of Public Works provides sewer services to the City of Grayling. Residents and business owners in the remainder of the County must rely on private onsite septic systems for wastewater disposal. Currently there are 7,641 households and businesses using these private systems throughout the County. There are several septage haulers located in Crawford County. The method of disposal used by the haulers is land application. The District Health Department regulates and maintains a permitting system for private wells and septic systems, and is responsible for inspection of the septage-hauling operation.

A very limited portion of Beaver Creek Township on the North side of Higgins Lake, part of Camp Curnalia is served by sewer system operated by the Higgins Lake Utility Authority, which was completed in 2009. Currently the system serves 405 households, 9 of which are in Beaver

Creek Township. The system was designed with additional capacity to accommodate future expansion, including potential future connection by Higgins Lake State Park.

Solid Waste

Collection of residential and commercial solid waste in Crawford County is accomplished by commercial haulers and by individuals transporting their own waste to the landfill or one of the transfer stations located in many of the townships across the County. Private hauling companies provide residential and commercial service pick-up throughout the county, through private agreements with customers, as well as servicing the township transfer stations. Waste Management, Inc. operates the primary solid waste disposal facility for the County, located in Maple Forest Township. Waste Management and American Waste handle the bulk of solid waste disposal in Crawford County. It continues to be an on-going challenge to provide affordable solid waste disposal and provide recycling choices for individuals and businesses.

Recycling: Crawford County currently provides county-wide recycling services via a contract with Grayling Charter Township's Compacting/Recycle Center. A recycle council moderates all aspects of recycling in the County. The council membership consists of a representative from the City, County, each of the Townships and Camp Grayling. The council serves as an advisory board to County, City and each of the Townships within the County. Residents can recycle certain materials through the use of recycling stations at transfer stations located in the City of Grayling, as well as Beaver Creek, Frederic, Grayling Charter, Lovells, Maple Forest and South Branch Townships. Most of the recyclable materials are then transferred to Grayling Charter Township's Compacting/Recycle Center for processing. The Compacting/Recycle Center is located west of I-75 on North Down River Road. The recycle council is currently working with Camp Grayling in a continued effort to provide enhanced services and reduce overall costs.

Utility Services

Due to the large amount of public land and internal parcels (parcels in the center of a section that does not abut a public road), utility services are lacking in some areas of the County. Costs of providing telephone service to these isolated residences can be prohibitively high. Since these landowners must pay the cost of running the lines, some have chosen not to bear the expense, instead relying on cellular telephones.

Gas and Electricity Providers—MichCon provides natural gas service for the County; several sections in the northeast portion do not have natural gas service. Consumer Energy and Great Lakes Energy provide electricity to developed areas within the County. Three-phase service is throughout the County. Three-phase power is needed to support some types of commercial and industrial activities, particularly in businesses that operate heavy machinery or equipment.

Telephone and Internet Service— Frontier and AT&T provide telephone service to the largest geographic area of the County, although there are pockets of un-served areas in the county. Additionally, there are a variety of internet, wireless, and cellular telephone services available in Crawford County.

Schools and Libraries

Most of Crawford County is within the Crawford AuSable School District located on 1135 N. Old US 27, Grayling, MI 49738, Phone: (989) 344-3500. South Branch Township and a portion of Beaver Creek Township are located in the Roscommon Area Public School District located at 702 Lake

St., Roscommon, MI 48653, Phone: (989) 275-6600. **Table 3.1** provides a summary of school districts and schools servicing Crawford County.

Table 3.1 Crawford County Schools		
Crawford AuSable School District		
School Name	Address	Students and Staff
Grayling Elementary-AuSable Primary School Phone: (989) 344-3604	100 Michigan Ave. Grayling, MI 49738	Students: 712 Staff: 79
Grayling Middle School Phone: (989) 344-3558	500 Spruce St. Grayling, MI 49738	Students: 368 Staff: 43
Grayling High School-Adult Ed Phone: (989) 344-3508	1135 N. Old-27 Grayling, MI 49738	Students: 566 Staff: 55
Roscommon Area Public Schools		
School Name	Address	Students and Staff
Roscommon Elementary School (989) 275-6610	175 W. Sunset Dr. Roscommon, MI 48653	Students: 510 Staff: 43
Roscommon Middle School Phone: (989) 275-6640	299H W. Sunset Dr. Roscommon, MI 48653	Students: 428 Staff: 44
Roscommon High School Phone: (989) 275-6675	10600 Oakwood Dr. Roscommon, MI 48653	Students: 474 Staff: 41
Source: NEMCOG		

The area is served by Kirtland Community College, as well as the M-TEC and University Center in Gaylord for local post-secondary education.

The Devereau Memorial Crawford County Library system has four branches to serve the communities of Crawford County. The main branch of the library is located on Plum Street in the City of Grayling, and offers a wide variety of services and programs including internet service, inter-library loans, children's activities, specialized book sections. The three satellite branches include the Frederic Library, located on Manistee Street in the Frederic Township Governmental Offices and Community Center, the Beaver Creek Library located in Beaver Creek Township on South Grayling Road, and the Lovell Library located in Lovell Township on Twin Bridge Rd.

Public Safety

Law Enforcement

Crawford County has two local law enforcement agencies, the Sheriff Department, located at 200 W. Michigan Avenue in Grayling and the City of Grayling Police Department located at 1020 City Blvd. in Grayling. The County 911 system is co-located in the Sheriff Department as well as the Crawford County Jail. The County receives Michigan State Police support assigned to the Houghton Lake Post and the Kalkaska Detachment. There are troopers that are assigned to Crawford County that start and end their shifts at the Michigan State Police Crime Lab located on the I-75 business loop in Grayling. Camp Grayling will provide some law enforcement to Crawford County if needed.

Emergency Medical Services

Crawford County maintains Emergency Medical Services (EMS) throughout the county. Mobile Medical Response (MMR) units are located in Beaver Creek Township and the City of Grayling. Frederic and South Branch Townships maintain local Emergency Medical Services (EMS).

Fire Services

Crawford County has five community fire departments providing fire protection to all areas of the County. In addition, while Camp Grayling has no structural fire department, they do provide assistance with wildland firefighting.

There are a total of eight Fire Departments located in Crawford County consisting of:

Frederic Township FD, a combination partially paid and full-time fire department covering 108 square miles, and providing fire protection for approximately 1,994 persons. It is located on 6547 Frederic St., Frederic, MI. The Frederic FD provides fire and advanced life support (ALS) ambulance services to Frederic and Maple Forest Townships. The mailing address is PO Box 79, Frederic, MI 49733. Phone (989) 348-8190.

Grayling Department of Public Safety(DPS), a combination of partially paid and full-time firefighters covering 180 square miles, and providing fire protection for approximately 8,468. It is located on 1041 City Blvd., Grayling, MI. The mailing address is 1041 City Blvd., Grayling, MI 49738. Phone (989) 348-6319. Grayling DPS provides medical first response along with MMR and Station 1-Frederic EMS. Water sources are located at Pollack Bridge, Euclid Bridge/Portage Creek, Stephan Bridge, Wakeley Bridge, Wilcox Bridge, and Lake Margrethe ½ mile west of Danish Landing Rd.

Lovells Township FD, a volunteer fire department covering 108 square miles, and providing fire protection for approximately 626. It is located on 8405 Twin Bridge Rd., Grayling, MI. The mailing address is 8405 Twin Bridge Rd., Grayling, MI 49738. Phone (989) 348-9215. The Lovells Township FD provides fire and first responder services township- wide. The water sources are the lakes in the Township.

South Branch Township FD, a combination partially paid and full-time fire department covering 108 square miles, and providing fire protection for approximately 2000. It is located on 5245 N. M-18 Roscommon, MI. The mailing address is 5245 N. M-18, Roscommon, MI 48653. Phone (989) 275-4779. The Township also provides emergency medical ambulance service within the Fire Department.

Beaver Creek FD, a partially paid and full-time fire department covering 72 square miles, and providing fire protection for approximately 2000. It is located on 8972 S. Grayling Rd., Grayling, MI. The mailing address is 8972 S. Grayling Rd., Grayling, MI 49738. Phone (989) 275-8548. Mobile Medical Response operates in Crawford County with their primary station located in the City of Grayling and uses the Beaver Creek station as a full time satellite station.

Camp Grayling and Grayling Army Airfield: Fire suppression has been funded through the military. The Camp contracts with the Grayling Department of Public Safety for structural fire suppression and has a seasonal crew for first response on wildfire suppression on military property from March to November.

DNR Grayling Field Office is located on 1955 Hartwick Pines Rd., Grayling, MI 49738. Phone: (989) 348-6371. The northern two thirds of the county covered out of Grayling field office.

DNR Roscommon Field Office is located at 8717 North Roscommon Rd, Roscommon. The southern one third of the county is covered out of the Roscommon Field Office.

Medical Facilities

Crawford County has numerous health service establishments. Most of the facilities are located in or near the City of Grayling. The largest medical facility in Crawford County is Mercy Hospital Grayling, a 130 bed facility (90 acute care, 40 long term care) located on 110 Michigan Avenue in Grayling. Troop Medical Clinic located within Camp Grayling addresses troop related medical issues. The Clinic has minimal staff much of the year and is only fully staffed during troop training. Northern Lakes Community Mental Health of Traverse City provides support services to developmentally disabled persons as well as persons needing mental health services. District Health Department #10 is often able to fill health care needs of the community. The Crawford County Branch is located on 220 Meadows Drive in Grayling. Programs offered by the Health Department fall into three categories: home health care services, environmental health services and personal health services.

Recreation

The lakes, streams and woodlands of the area provide a venue for a variety of recreational activities. Recreation is an important economic factor for the region. See **Chapter 6-Recreation** for additional details.

Chapter 4 - Natural Resources

The woodlands, open spaces, wildlife, water, and rolling hills are several key resource values that draw people to both recreate and live in the County. Abundant public lands offer access to thousands of acres of recreational lands for hunting, hiking, wildlife viewing and snowmobiling. Lakes, creeks and streams, especially the Manistee and Au Sable Rivers provide opportunities for fishing, boating and water sports. Special recreation areas such as the Mason Tract are additional draws to the County.

A rural landscape, abounding with views of forestlands and wetlands, typifies the community character of Crawford County. Forestlands are important to the local economy; recreational use and production of forest goods bring dollars into the Community. Many long time visitors decide to move to the area upon retirement. These renewable yet priceless resources warrant special considerations when planning for future growth.

The protection and wise use of these natural resources are central to maintaining a sustainable community. Along with planning for the built-up infrastructure like roads and utilities, a community needs to plan for the green infrastructure; the forests, wetlands, farmland and water. Development, without consideration of carrying capacity of the land, can have long term negative impacts on the resources. When planning for future growth, the community must identify environmental constraints, such as wetlands, steeply sloped areas, ecological corridors and ground water recharge zones. This chapter will analyze the physical environment to assist local officials in developing a desired future of the County. Natural resources addressed include climate, geology, topography, soils, water, vegetation and wildlife.

Climate

The climate is yet another reason why people are drawn to the area. Typical of northern Michigan, the distinct four seasons offer an ever-changing landscape. Long snowy, cold winters; and moderately warm summers are separated by a cool, green spring and a cool colorful fall. Located in the north central part of the northern lower peninsula, the County is approximately 35 miles inland from Lake Michigan and 55 miles inland from Lake Huron. Given this geographic location, with the exception of lake effect snowfall, the weather is not significantly influenced by the lake moderating effect of both Great Lakes.

Table 4.1 shows the average temperature and precipitation by month calculated over a 30-year period. Moderately warm temperatures dominate summers. The warmest days occur in the month of July and between the years of 1981-2010, there was an average of six days per year that exceeded the 90-degree mark. There were no temperatures over 100 degrees in the 30-year period and temperatures in the high 80's have occurred as early as April and as late as October. Normal temperatures for the area range from the high 70's to the low in the high 40's in the summer and from the high 20's to single digits in the winter. The following temperature extremes for the station in Crawford County are: maximum, 104 F, recorded July 11, 1936; minimum, -45 F, recorded February 3, 1898; warmest monthly mean, 75.5 F recorded in July of 1921; and coldest monthly mean, 4.4 F was recorded February 1904.

Table 4.1					
Temperature and Precipitation Summary 1981-2010					
Temperature Averages (Degrees Fahrenheit)				Precipitation Averages (Inches)	
Period	Maximum	Min	Mean	Precipitation	Snow
January	25.8	7.9	16.8	1.71	30.1
February	28.8	8.0	18.4	1.30	20.7
March	38.8	15.4	27.1	1.72	14.7
April	53.4	28.8	41.1	2.77	4.6
May	66.0	39.3	52.7	3.27	0.8
June	75.8	49.2	62.5	3.69	0.0
July	79.8	53.9	66.8	3.58	0.0
August	77.6	51.9	64.7	3.68	0.0
September	69.5	43.7	56.6	3.75	0.0
October	56.0	33.9	45.0	3.77	3.4
November	42.4	25.3	33.8	2.61	12.6
December	30.5	15.6	23.1	1.76	26.5
Annually	53.7	31.1	42.4	33.62	108.0
Source: Midwestern Regional Climate Center, Champaign IL, Station 203391 Grayling MI					

In the summer, precipitation comes mainly in the form of afternoon showers and thundershowers. Most precipitation occurs in the months of April-October, which received an average of 24.51 inches or 73 percent of the average annual total for the 1981-2010 period. During this same period the average wettest month was October that averaged 3.77 inches, while the average driest month was February which averaged 1.30 inches. The average seasonal snowfall was 108 inches.

During the 1971–2000 period, 123 days per season averaged one inch or more of snow on the ground, but varied greatly from season to season. The greatest one-day precipitation total was 5.02 inches, recorded August 8-9, 1965; greatest monthly total, 12.51 inches, recorded September 1986. The least monthly total, 0.00 inches, was recorded April 1889. Soil moisture replenishment during the fall and winter months plays an important role in the success of agriculture for this area. While drought occurs periodically, the Palmer Drought Index indicated drought conditions reached extreme severity only two percent of the time.

Based on the 1971-2000 period, the average date of the last freezing temperature in the spring was May 30, while the average date of the first freezing temperature in the fall was September 17. The freeze-free period, or growing season, averaged 110 days annually.

Geology

The rolling hills, river valleys, swamps and lakes were created by glacial activity as the last continental glacier left the landscape some 12,000 years ago. Beneath a thick mantle of the glacial deposits lays a foundation of layered sedimentary bedrock. This section will describe the glacial landforms or quaternary geology and the underlying bedrock geology.

Starting some 2 million years ago, during the Pleistocene era, continental glaciers formed in the Hudson Bay area. Several times, over this two million year period, the

massive sheets of ice built up and inched their way south across what is today Michigan. The massive ice sheets, more than one mile thick, advanced in a southerly direction, bulldozing their way across the landscape. The glacier pushed material in front of it, incorporated rocks and soil into the debris laden ice; and scraped, ground, and broke apart the sedimentary bedrock of the Michigan Basin.

Each advance and retreat of the continental glaciers took tens of thousands of years. This reoccurring process shaped and reshaped the land; obliterating and then creating hills, valleys, rivers and lakes, swamps and marshes. The last glacial period, called the Wisconsin era, created the landscape we know today. The glacier left behind boulders, rocks, cobble, sand, gravel, silt, clay and loam. In some areas the material was deposited in unsorted masses called till plains, ground moraines and end moraines. Water flowing from the melting glaciers also sorted materials, creating outwash channels, sand deltas, kames and eskers. Fine materials, captured in the fast moving glacial meltwater, settled to the bottom of expansive glacial lakes creating lacustrine clay and silt plains. **Figure 4.1** from "The Glacial Lakes around Michigan," by William R. Farrand, shows how glacial landforms were created.

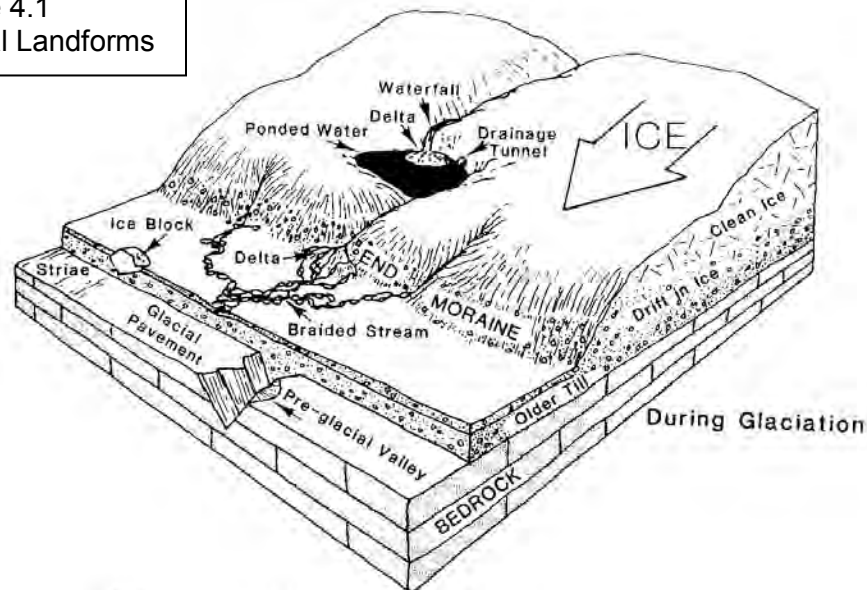
According to the USDA Crawford County Soil Survey, the county has three main physiographic regions. The northwestern and north-central parts of the County are characterized by a series of four high plateau-like remnant moraines that were dissected by glacial meltwater. The remnant moraine landforms have a north-south linear orientation and are referred to as the Grayling fingers. The second landform region is located in the central and northeastern parts of the county. These areas are characterized by nearly level to gently sloping outwash plains. The mainstream and north branch of the Au Sable River are located in this region. The streams have cut shallow valleys in the outwash materials. The third landform region, located in the south part of the County, consists of a nearly level to gently sloping plain that is interrupted by a series of high kame moraines. Much of the gently sloping plain is over washed with sand. The kame moraines have a general east-west orientation. Some of the highest elevations in the county are found on these kames. There are several small postglacial lake plains, dominated by loam and clay, in the County.

At the front of the massive retreating glaciers, large streams originated from the melting ice. The debris laden water carved through moraines creating wide drainageways and outwash channels. The Au Sable River and Manistee River further to the west are located in the glacial drainageways. These areas are dominated by sands and organic muck soils. As the continental glaciers melted, huge blocks of ice became separated from the retreating ice front. The ice blocks became embedded in the glacial debris deposited by the retreating glacier. The embedded ice blocks eventually melted and left depressions (kettle holes) which are today's inland lakes, associated wetlands and bogs.

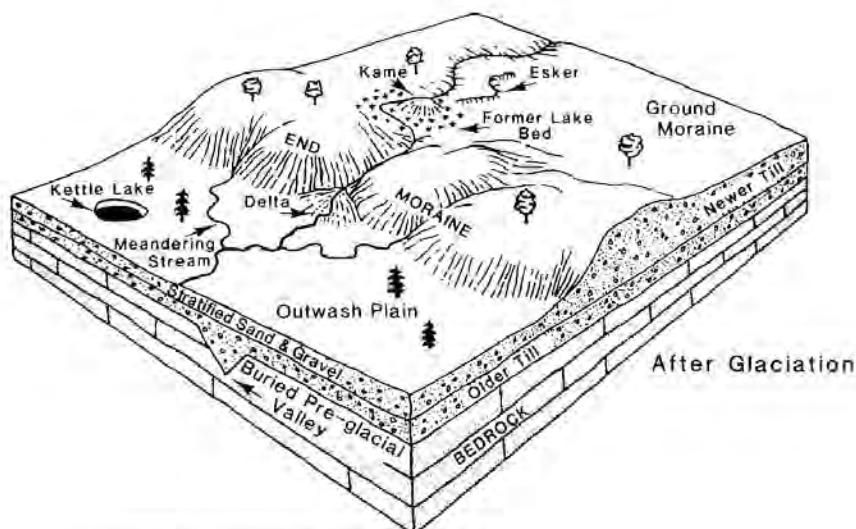
Beneath the glacial deposits, some 200 to 300 feet below the surface, is sedimentary bedrock that was created during the Late Mississippian ages of the Paleozoic Era. The bedrock was formed in ancient seas, which covered the area some 310- 345 million years ago. The shallow marine seas deposited layers of silt, clay, sediments, marine animals, plants, coral, and other calcareous materials. These deposits formed shale, sandstone and limestone bedrock. According to the 1987 Bedrock Geology of Northern Michigan map, prepared by the Geological Survey Division of the Michigan Department of Environmental Quality, the upper layer of bedrock is Coldwater shale. Other bedrock formations beneath the glacial overburden include the Michigan Formation and Marshall

Formation. Natural gas deposits have been discovered in the Michigan and Marshal formation. Recent proposals to explore for gas adjacent to the Mason Tract have caused concerns with many groups. Concerns are the proposed drilling and associated road widening, flow line/pipeline burying, and constructed facilities (if needed) would reduce the quality of the outdoor recreation experience of visitors to the Mason Tract. The US Forest Service completed an Environmental Assessment in the fall of 2004 and authorized drilling adjacent to the Tract. The authorization is being appealed.

Figure 4.1
Glacial Landforms



Features originating at a glacier front occur in a definite order.



Landforms of continental glaciation are unmistakable.

Topography

Most of the county is nearly level or gently rolling. Local differences in elevation are slight, in a few places exceeding 100 feet, although the hills and plateau-like ridges appear to rise above adjacent sand plains when viewed from a distance. Slopes of hilly land are both long and expansive or, where the relief is choppy, smooth and rounded. There are no steep slopes except along watercourses.

The northern part of the county consists of three broad highland plateaus, having a general north-south direction, three complementary broad sand valleys, and a wide sandy plain on the east. The central part, from eastern to western boundaries, is a wide level sand plain through which the AuSable River and its tributaries have cut valleys. Several detached swells or ridges, irregular in outline but having general east to west trends, characterize the southern part of the county. Here the general relief is gently rolling or moderately hilly. Level sand plain and swamps intervene between masses of higher land. The highest elevation, ranging from 1,300 to 1,480 feet above sea level, can be found on kame moraines in the southeastern parts of the county. The lowest elevation of 1,010 feet above sea level, noted on USGS quadrangle maps, is located in the eastern edge of the County where the main branch of the Au Sable River flows into Oscoda County.

Soils

The soils of Crawford County are generally sandy with low fertility and low moisture-holding capacity. Few loamy soils are found in the northwest portion of the county. Portions of the county have building limitations due to poor filtration of septic effluents. The two predominant soil associations in Crawford County are: *Grayling-Rubicon* (nearly level to undulating, well drained sandy soils on outwash plains); and *Grayling-Graycalm-Montcalm* (rolling to hilly, well-drained sandy soils, on uplands). Found in the northwest portion of the county are significant beds of a third association, *Kalkaska-Blue Lake* (sloping to steep, well-drained sandy soils, on the side of ridges and escarpment-like features enclosing upland valleys).

When planning for types and intensity of land uses, soil types and slopes are two important factors that determine the carrying capacity of land. The construction of roads, buildings and septic systems on steeply sloped areas or areas with organic and hydric soils require special design considerations. In addition, costs for developing these sensitive areas are greater than in less constrained parts of the landscape. If developed improperly, the impacts to natural resources can be far reaching.

The Natural Resource Conservation Service completed a detailed soil survey of Crawford County. A digital or computerized version of the soil survey maps was acquired from the Michigan Department of Natural Resources, MIRIS program. Using information contained within the published soil survey book, a series of maps are presented that depict hydric soils, steep slopes, soils with building limitations and soils with septic system limitations.

Hydric Soils and Steeply Sloped Areas

Figure 4.2 is a color thematic map that classifies hydric soils and soils on steep slopes. Lower density and less intensive development should be directed to these areas with severe building constraints. Hydric soils are saturated, flooded or ponded during part of the

growing season and are classified as poorly drained and very poorly drained. Hydric soils have poor potential for building site development and sanitary facilities. Wetness and frequent ponding are severe problems that are difficult and costly to overcome. Sites with high water tables may be classified as wetlands and a wetlands permit would be required to develop these areas.

Less than ten percent of the County is mapped as hydric soils with a high potential for wetlands. The hydric soils are mainly located adjacent to streams and lakes. The largest concentrations are found in the central portions and northern portions of the community. Note the green areas or hydric soils are typically drained by creeks and streams that in turn empty in the major rivers. This connectivity of riparian wetlands and surface water features can be seen throughout the landscape.

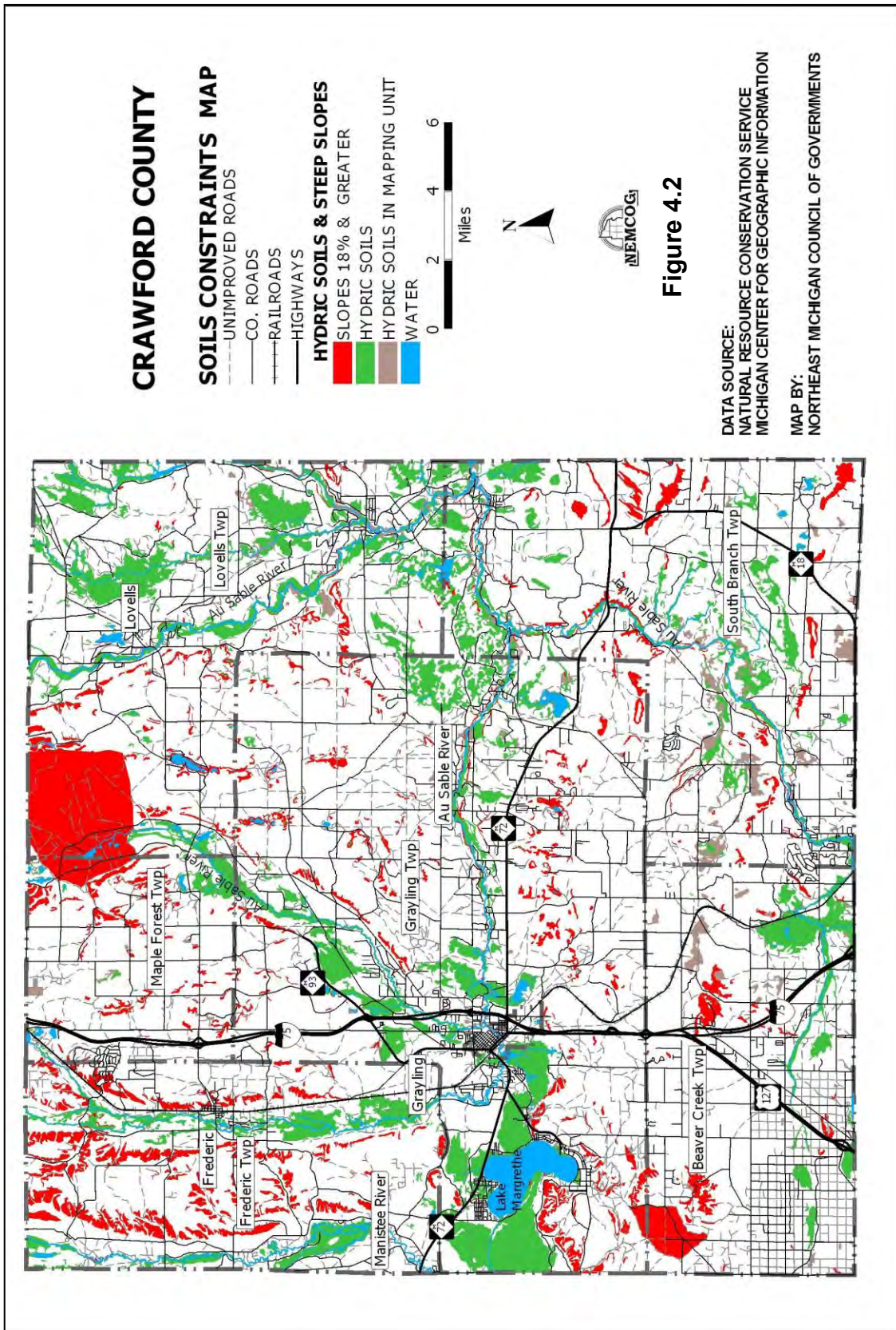
Hills and steeply rolling terrain may provide opportunities for spectacular views of the landscape. However, steeply sloped sites have severe building constraints, are more difficult and costly to develop. Maintenance costs tend to be higher on steeply sloped terrain. Special design standards such as erosion control measures, limiting size of disturbed areas, retaining natural vegetation, revegetation, slope stabilization and on-site retention of water run-off from impervious surfaces would all serve to minimize resource impacts. According to information presented in the Crawford County Soil Survey areas with slopes 18 percent and greater are minimal. Of greatest concern are steeply sloping hillsides adjacent waterways. Steeply slopes areas are depicted in red on **Figure 4.2**. Note the large area mapped as steep slopes in the northern part of the county. This anomaly is related to the bombing range of Camp Grayling.

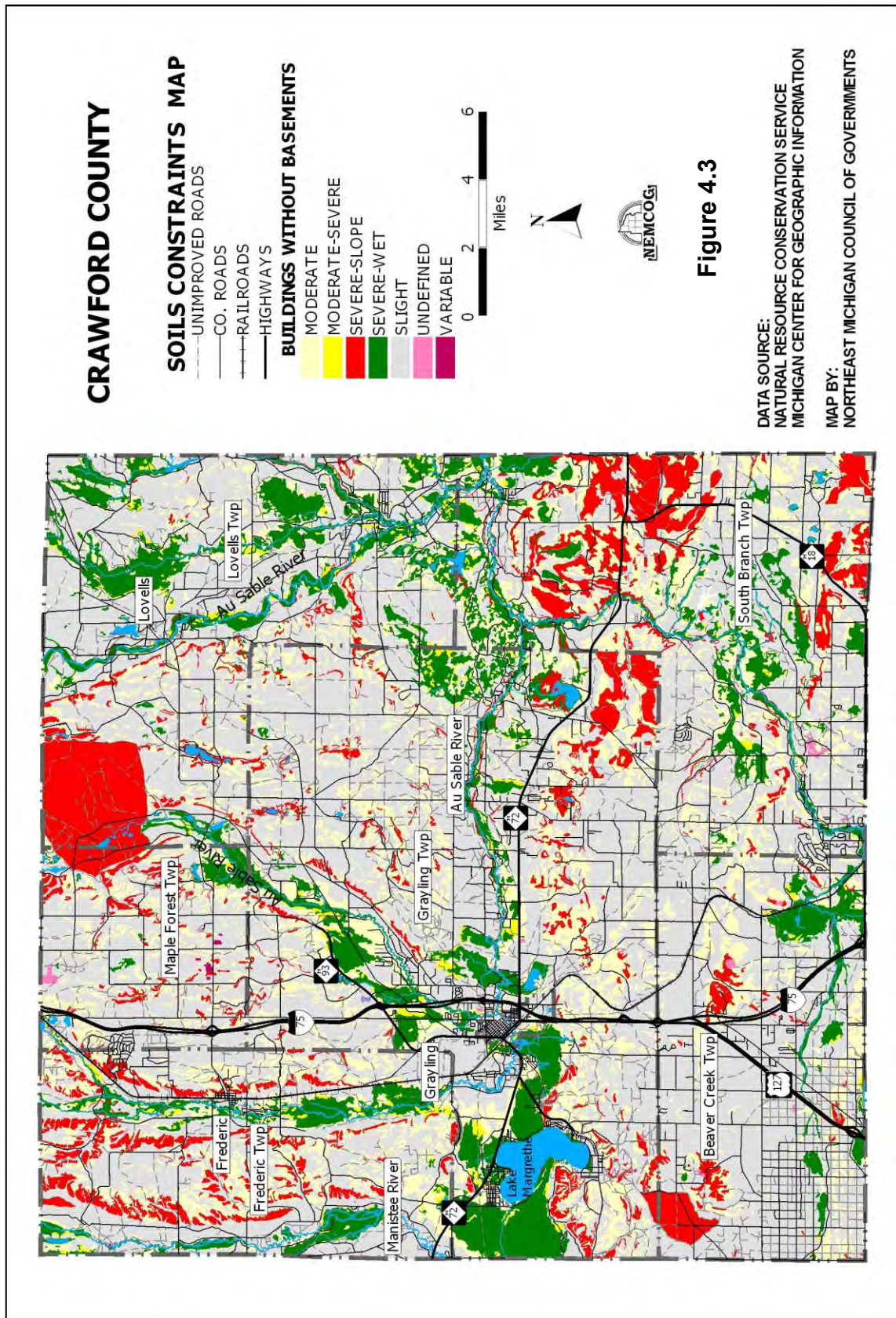
Building Site Development

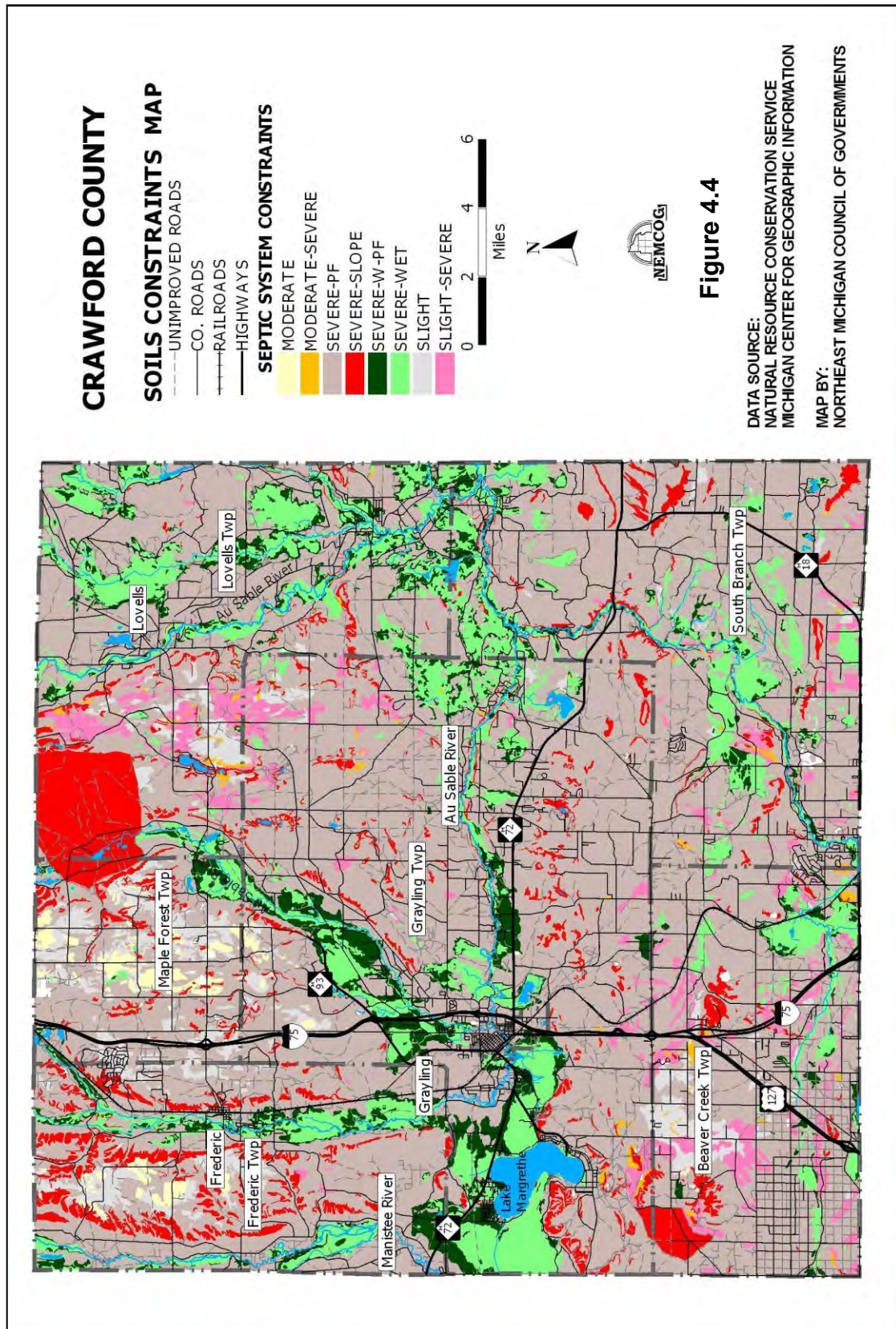
The USDA soil survey of Crawford County rates soils for various uses such as building site development and identifies the limiting factors such as steep slopes or high water table. The rating system is slight, moderate and severe limitations. Using the rating system developed by USDA, soil limitations for buildings without basements have been mapped and are displayed in **Figure 4.3**. Areas with well drained soils and slopes less than 10 percent tend to have slight limitations for building development. Areas with steep slopes, high water tables and organic soils have severe limitations. Lands with severe constraints are scattered throughout the County, but tend to be more prevalent near streams and in the northeast and southeast parts of the county. Due to the prevalence of sandy soils in Crawford County large areas have slight to moderate limitations for buildings.

Septic Systems

Using a computer mapping system soils maps have been color coded to show areas with slight to severe septic system limitations as defined by the USDA Natural Resource Conservation Service. Criteria include depth to water table, wetness, filtering capacity and ability to perc water. **Figure 4.4** is a septic system limitations map. Much of the County is classified as having severe limitations. Clearly the greatest limiting factor is the prevalence of sandy soils with severe limitations due to poor filtration of septic effluents. This is a critical issue when the water table is close to the surface or when high density development occurs. Limiting types and density of development or making public water and sewer available for high density development are likely the best options for protecting the groundwater resources.







Forestry

A large amount of land in Crawford County is in public ownership in the form of the Huron National Forest and the Au Sable State Forest. According to 2001 statistics from the U.S. Forest Service, Crawford County has a total land area of 364,347 acres. Forestland totals 324,274 acres (approximately 90 percent of the county's total land area). 36,183 acres are classified as nonforest, while 5,186 acres are classified as water (**Figure 4.5**).

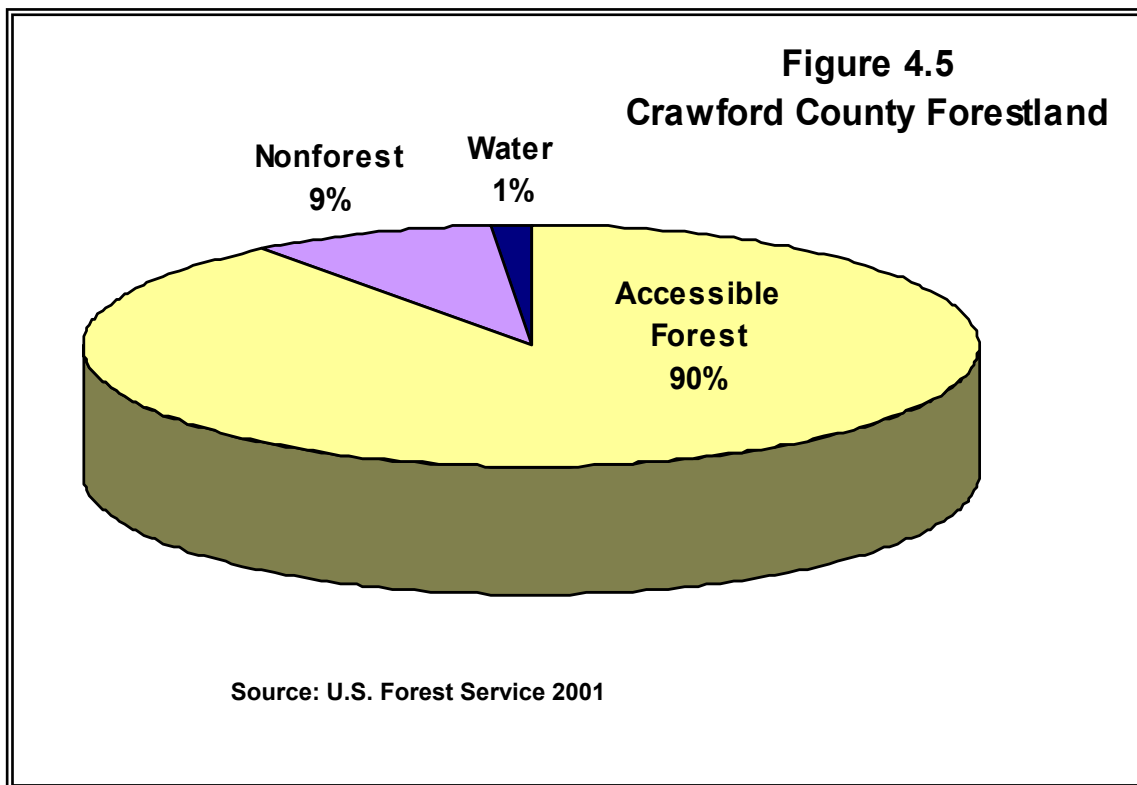


Table 4.2 shows that the major forest species found in the county are Jack Pine (27%), Oak/Hickory Group (23%) and Aspen (21%). The Maple/Beech/Birch Group totals 12 percent. A small amount of forestland is comprised of Black Spruce (6%), Balsam Fir (4%), and Red Pine (4%). Smaller acreage of Eastern White Pine, White Spruce, Northern White Cedar, White Pine/Red Oak/White Ash, and Paper Birch are also present. The abundance of Jack Pine and Oak forests dramatically increase the wildfire hazard for Crawford County. **Figure 4.6** shows forest types in the County. Note the predominance of pine and oak depicted on the 1978 MIRIS forest cover map. In addition, note the prevalence of northern hardwoods in Maple Forest Township and northern Frederic Township.

The majority of forestland in the county is in public ownership - 52 percent state owned and 16 percent federally owned (**Figure 4.7**). Most of these lands are managed under a multi-use concept, which is directed toward recreation. The use of military forestland is not geared toward commercial forest production. Some areas have been determined as refuge areas for the endangered Kirtland's Warbler. The next largest ownership class is in individual ownership 32 percent.

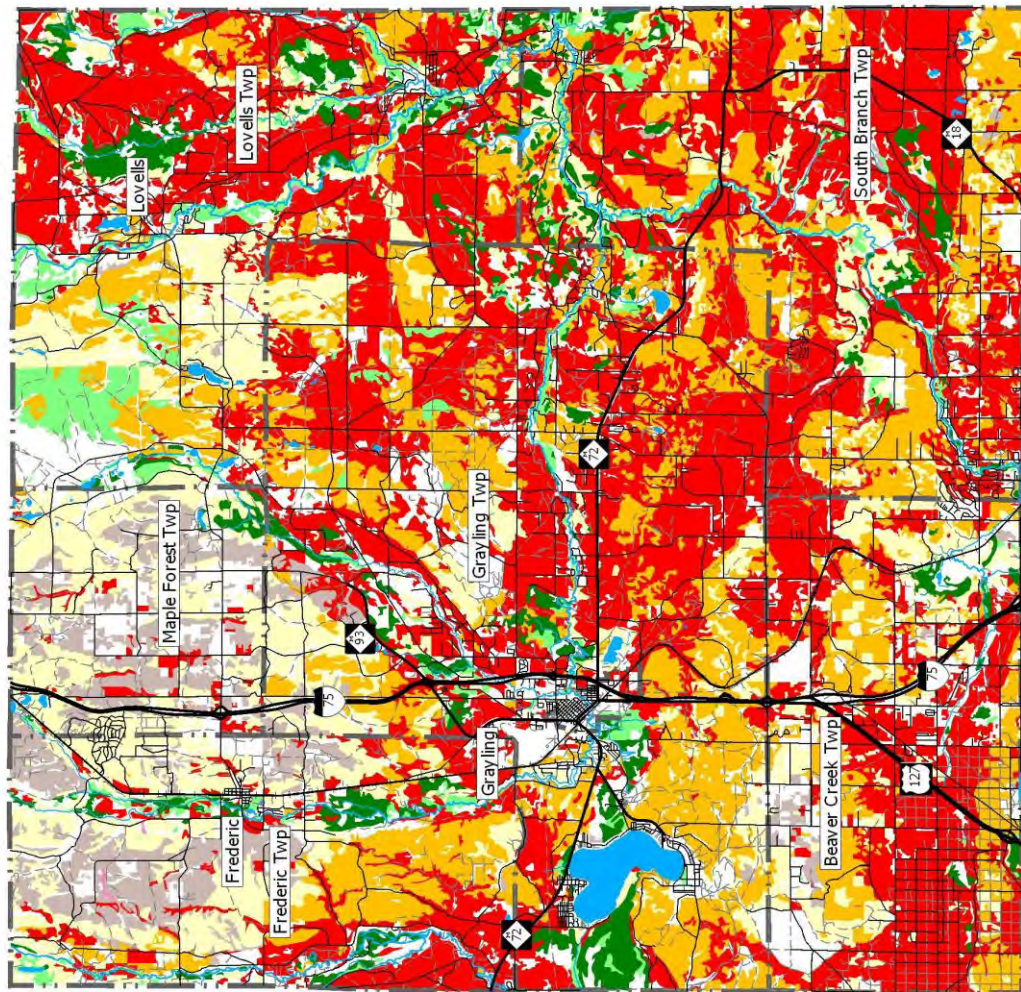
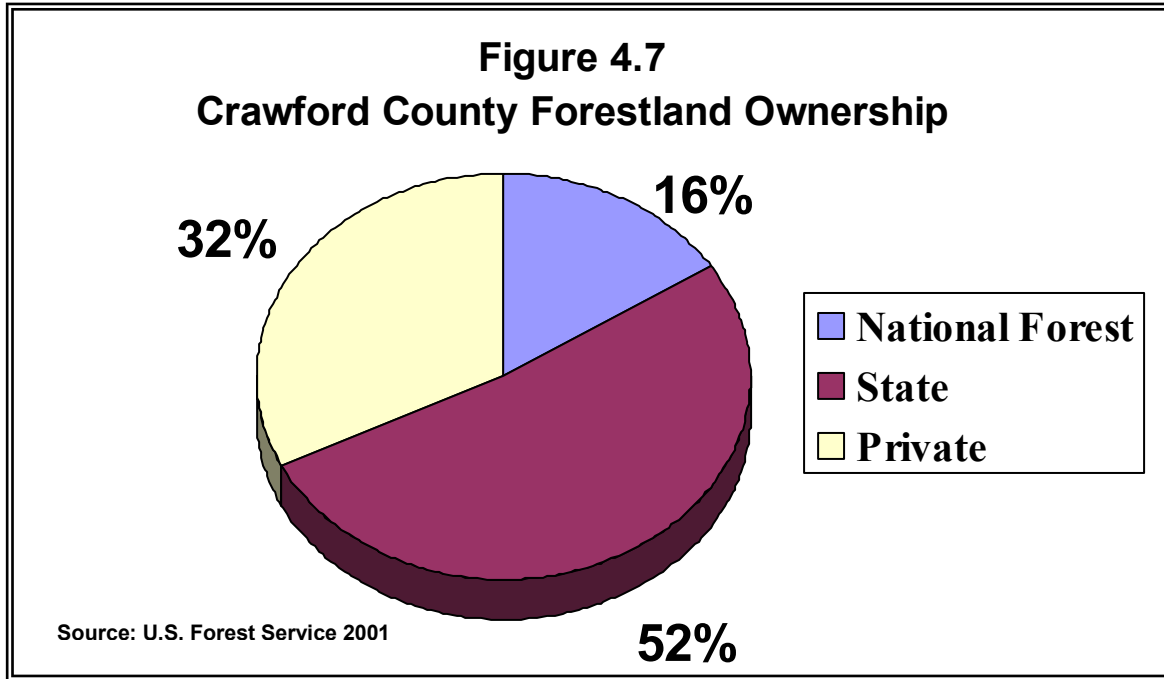


Figure 4.6

DATA SOURCE:
MICHIGAN CENTER FOR GEOGRAPHIC INFORMATION
CRAWFORD COUNTY

MAP BY:
NORTHEAST MICHIGAN COUNCIL OF GOVERNMENTS

Figure 4.8 and **Table 4.3** show the breakdown of tree species by ownership group. The acreage of Jack Pine is fairly evenly split among federal, state, and private ownership. Species in the Oak/Hickory Group are predominantly in state and private ownership. Aspen and Maple/Beech/Birch are found mostly on state owned property.



	National Forest	State	Private	Total	Percent
Jack Pine	25936.6	39744.8	22953.5	88634.9	27.3%
Red Pine		11318.4		11318.4	3.5%
Eastern White Pine	1459.8			1459.8	0.5%
Balsam Fir	5839.0	1296.5	4382.2	11517.7	3.6%
White Spruce	1459.8			1459.8	0.5%
Black Spruce		10372.0	9169.0	19541.0	6.0%
Northern White Cedar			2593.0	2593.0	0.8%
Oak/Pine Group		1491.4		1491.4	0.5%
White Pine / Red Oak / White Ash			739.0	739.0	0.2%
Oak / Hickory Group	5839.0	32433.9	37194.1	75467.0	23.3%
Maple / Beech / Birch Group	4379.3	24908.3	10188.0	39475.6	12.2%
Aspen	6331.7	46127.0	15558.0	68016.7	21.0%
Paper Birch			1263.1	1263.1	0.4%
Non-stocked		1296.5		1296.5	0.4%
Total	51,245.2	168,988.8	104,039.9	324273.9	

Source: U.S. Forest Service 2001

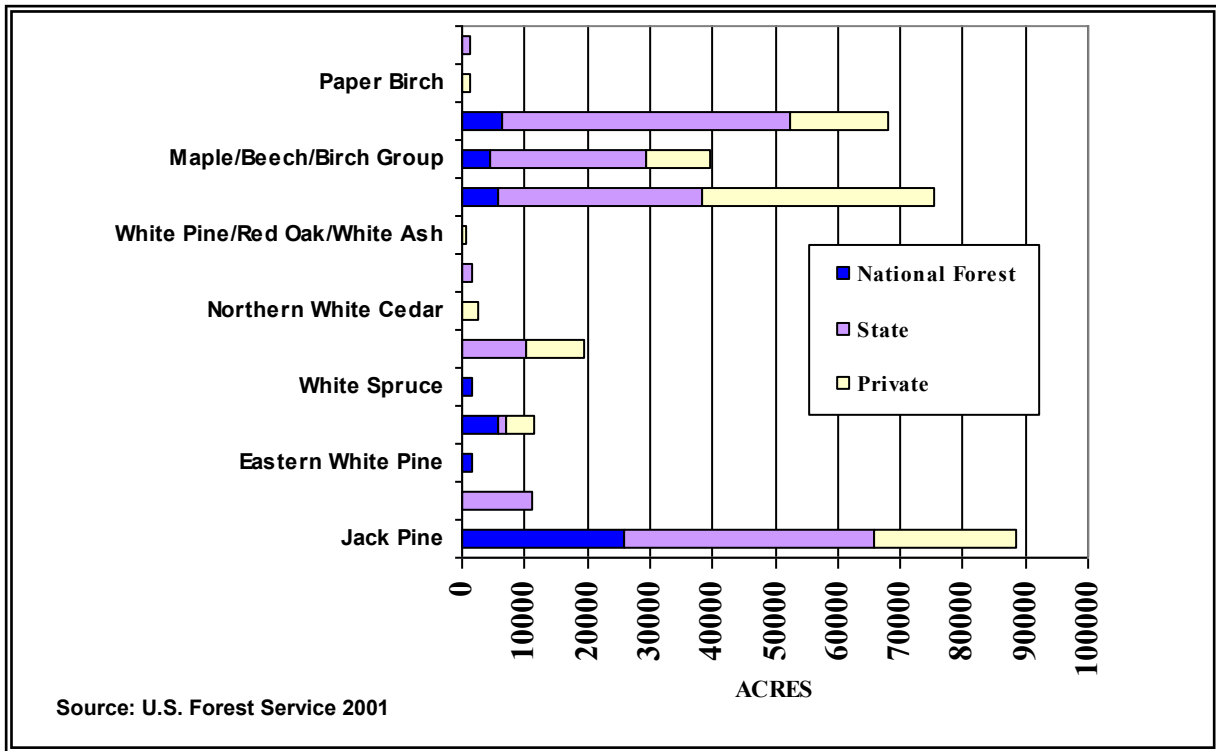
Figure 4.8: Crawford County Timberland by Forest Type & Ownership

Table 4.3 shows the net volume of growing stock on timberland and the net volume of live trees on timberland by softwood/hardwood group. The Forest Service defines a growing stock tree as a live tree of a commercial species that meets specified standards of size, quality, and merchantability (excludes rough, rotten, and dead trees). Approximately 157.5 million cubic feet of softwoods (coniferous trees, usually evergreen, having needles or scale-like leaves) and 143.2 million cubic feet of hardwoods (broad-leaved and deciduous) make up the growing stock of Crawford County. There are

Table 4.3			
Net Volume of Trees on Timberland in Crawford County			
	Softwoods	Hardwoods	Total Volume
Cubic feet of growing stock by hardwood/softwood group	157,474,832.8	143,196,231.4	300,671,064.2
Cubic feet of live trees by hardwood/softwood group	163,515,556.7	154,123,700.2	317,639,256.8
Source: U.S Forest Service 2001			

approximately 163.5 million cubic feet of softwood live trees and 154.1 million cubic feet of hardwood live trees in the county. **Table 4.4** shows the acreage of size classes and stocking class of total growing stock (the degree of occupancy of land by live trees) found in Crawford County. Thirty-eight percent of the forest acreage in the county is small diameter trees, while 28 percent are medium diameter and 32 percent are large diameter. Approximately 66 percent are medium to fully stocked. **Table 4.5** depicts annual growth and annual removals by major species group from 1980 to 1993. Average net annual growth exceeds removal for this period.

Table 4.4				
Crawford County Timber Stock				
Area of Timberland By Stand Size Class (acres)				
Large Diameter	Medium Diameter	Small Diameter	Non-stocked	
104,904	93,866	124,207	1297	
32.4%	28.9%	38.3%	0.4%	
Stocking Class of Growing Stock Trees (acres)*				
Overstocked	Fully Stocked	Medium Stocked	Poorly Stocked	Non-stocked
64,504	109,548	103,970	45,577	674
19.9%	33.8%	32.1%	14.1%	0.2%
*An overstocked stand is defined as one in which stocking of live trees is 133% or more. Fully stocked stands are those in which stocking of live trees is 100 – 132.9%. Medium stocked stands are 60 - 99.9% stocked, poorly stocked stands have only 16.7 – 59.9% live trees stock, and a stand is considered non-stocked if live tree stock is less than 16.7%.				
Source: U.S. Forest Service 2001				

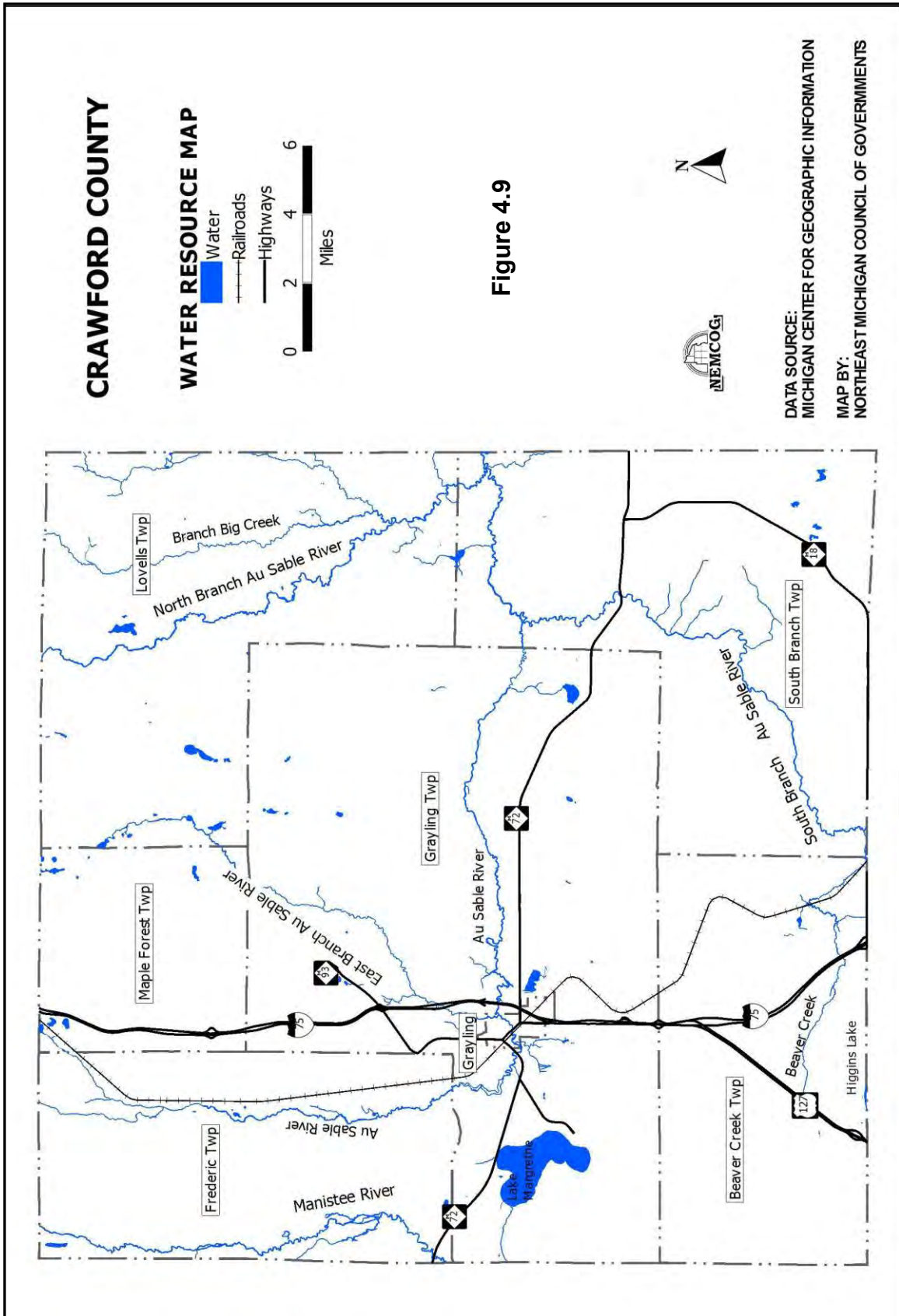
Table 4.5					
Annual Growth & Removal					
Average Net Annual Growth 1980-1993	Growing Stock (1000 Cu. ft.)	Saw Timber (1000 Board ft.)	Average Net Annual Removal 1980-1993	Growing Stock (1000 cu. ft.)	Saw Timber (1000 Board ft.)
Pine	2,936	13,963	Pine	545	1,697
Other Softwoods	365	1,495	Other Softwoods	0	0
Soft Hardwoods	2,252	5,628	Soft Hardwoods	1,342	1,903
Hard Hardwoods	3,155	11,300	Hard Hardwoods	1,614	1,313
TOTAL	8,708	32,386	TOTAL	3,501	4,319
Source: U.S. Forest Service 1993					

Groundwater Resources

Groundwater can be found in the deep glacial deposits of sand and gravel throughout the county. The availability of groundwater appears consistently good, ranging from 400 to 500 gallons per minute from wells ten inches in diameter. Ground water provides the only source of potable water for the county. Because of the deep sand and gravel underlying the county, the aquifer is quite vulnerable to contamination from surface and subsurface discharges.

Surface Water Resources

Crawford County has an abundance of lakes and streams (**Figure 4.9**). The county has a total of 53 lakes that are one acre or larger. The largest body of water in the county is Lake Margrethe, with a surface area of 1,928 acres, an average depth of 16 feet and a maximum depth of 65 feet. A portion of Higgins Lake (approximately 24 acres of surface water and one mile of shoreline) is located within the County. Seven lakes are over 100 acres. The large majority of the lakes are less than 50 acres in size. The county is predominantly within the Au Sable watershed. The Manistee River drains the western portion of the county. There are 45 miles of inland shoreline in Crawford County with approximately 25 miles open to the public. Almost all of the lakes and streams provide good fishing and many tourists come to the county to



fish. The lake is at the headwaters of the Manistee River watershed and is a popular recreational and tourist area in the county. Other significant lakes in the county include Shupac Lake, Shellengarger Lake and Jones Lakes. Smaller lakes are quite numerous. The lakes and streams in the county are popular tourist attractions and are heavily used in the summer and winter months. Canoeing and fishing are very popular on the rivers, with swimming and boating being popular on the larger lakes.

The Au Sable River watershed drains approximately 1,932 square miles within portions eight counties. The main branch enters the County in the northwest corner and flows out of the southeast corner. An eight mile stretch of the Main Branch of the Au Sable, east of Grayling, from Burton's Landing downstream to Wakely Bridge, is designated flies-only, no-kill water. This segment is known as "the Holy Water." The East Branch, North Branch and South Branch all flow into the Crawford County and empty into the main stream as it traverses the County. The Au Sable is rated as a "Blue-Ribbon" trout stream and is designated as a Michigan Natural River. Since 1947, the Au Sable River Canoe Marathon, a yearly 120 mile (190 km) pro-am canoe race, runs the river from Grayling to Oscoda.

The Upper Manistee River watershed drains 565 square miles and covers portions of five counties. The Upper Manistee River flows through the western edge of the County. The stretch of the River in Crawford County supports an excellent trout fishery with fishing landmarks such as Deward, Cameron Bridge, and Goose Creek Camp. It is a state designated "Blue Ribbon Trout Stream" from Deward downstream through the County. The Au Sable River and Upper Manistee River are designated *Natural Rivers under the Michigan Natural Rivers Act (Part 305 N.R.P. Act (1994 PA 451))*. The Michigan Department of Natural Resources enacted natural rivers zoning ordinances for each river. The ordinances are administered by local communities in the County.

Fish and Wildlife

The predominance of forested land and surface water makes Crawford County the home to many species of fish and wildlife. The recreational opportunities linked with these resources are many. With over 3,000 acres of lakes and streams, the County has an abundance and variety of fish habitat. Many of the streams in Crawford County are suitable for trout fishing. Three branches of the AuSable River are designated Blue Ribbon Trout Streams. Brook, rainbow, and brown are established singly or in combination in these streams. Many of the deeper lakes in the County also contain trout, including Glory, Bright, Sandhill, and Kneff Lake. Other lakes in the County support populations of rock bass, yellow perch, blue gills, small mouth bass, large mouth bass, tiger muskie, northern pike, and walleye. Lake Margrethe, the largest lake in the County, has a wide variety of pan fish and sports fish. In 2006, the Department of Natural Resources established guidelines to develop a process to create quality fishing lakes by designation. Based on the newly developed criteria, Jones Lake has been placed into the 'Quality Lakes' designation.

Wildlife abundant in the County includes deer, rabbit, grouse and woodcock. Bear, coyote, bobcat, elk and turkey have small to moderate populations that are growing. Wildlife is a resource that brings in hunters and tourists. October and November bring thousands of hunters to the county for small game hunting, bear and bow season (deer), peaking sharply in mid-November with the opening day of deer (rifle) season.

Unfortunately, large deer populations, combined with indiscriminate feeding practices, were contributing factors to the spread of Bovine Tuberculosis (TB) across northern Michigan. TB is a serious disease caused by bacteria attacking the respiratory system. There are three main types of TB - human, avian, and bovine. Human TB is rarely transmitted to non-humans, and avian TB is typically restricted to birds. Bovine TB - also known as 'cattle TB' is the most infectious of the three, and is capable of infecting most mammals.

In addition to the 509 infected deer reported throughout the State, Michigan has found several other species to be infected with the disease, including four elk, and several coyotes, raccoons, black bear, bobcats, red fox and opossums. The disease has been confirmed in 33 cattle herds to date, but none during the last testing season. Two humans and one domestic house cat have also been diagnosed with the same unique strain of TB found in deer and cattle.

While 96% of the Bovine TB infected deer came from five counties in northern Michigan (Alpena, Alcona, Montmorency, Oscoda and Presque Isle), the impact of this disease has been nonetheless felt in Crawford County. As of the 2005 testing season, four deer and one coyote have tested positive for TB in the County.

The effort to eradicate the disease has led to an aggressive TB testing campaign and the creation of a 42 county surveillance area and a seven county Deer Management Unit (DMU) that is subject to special regulations. Hunters in the surveillance area are asked to submit deer heads for testing, in DMU 452 (the core area covering portions of the four counties directly east and northeast of Crawford County) testing was mandatory until 2002, but testing is now on a voluntary basis. While Crawford County had been included in the seven County DMU area in 2005, as of 2010 Crawford County was not included in the multi-county DMU (**see Figure 4.10**). The situation continues to be monitored and as of 2014 Crawford County is still excluded. Efforts to eradicate the disease has led to changes in deer feeding rules, quota increases, extension of the number of hunting days and the banning of new deer or elk farms. As the eradication effort continues, more changes in hunting and feeding rules can be expected.

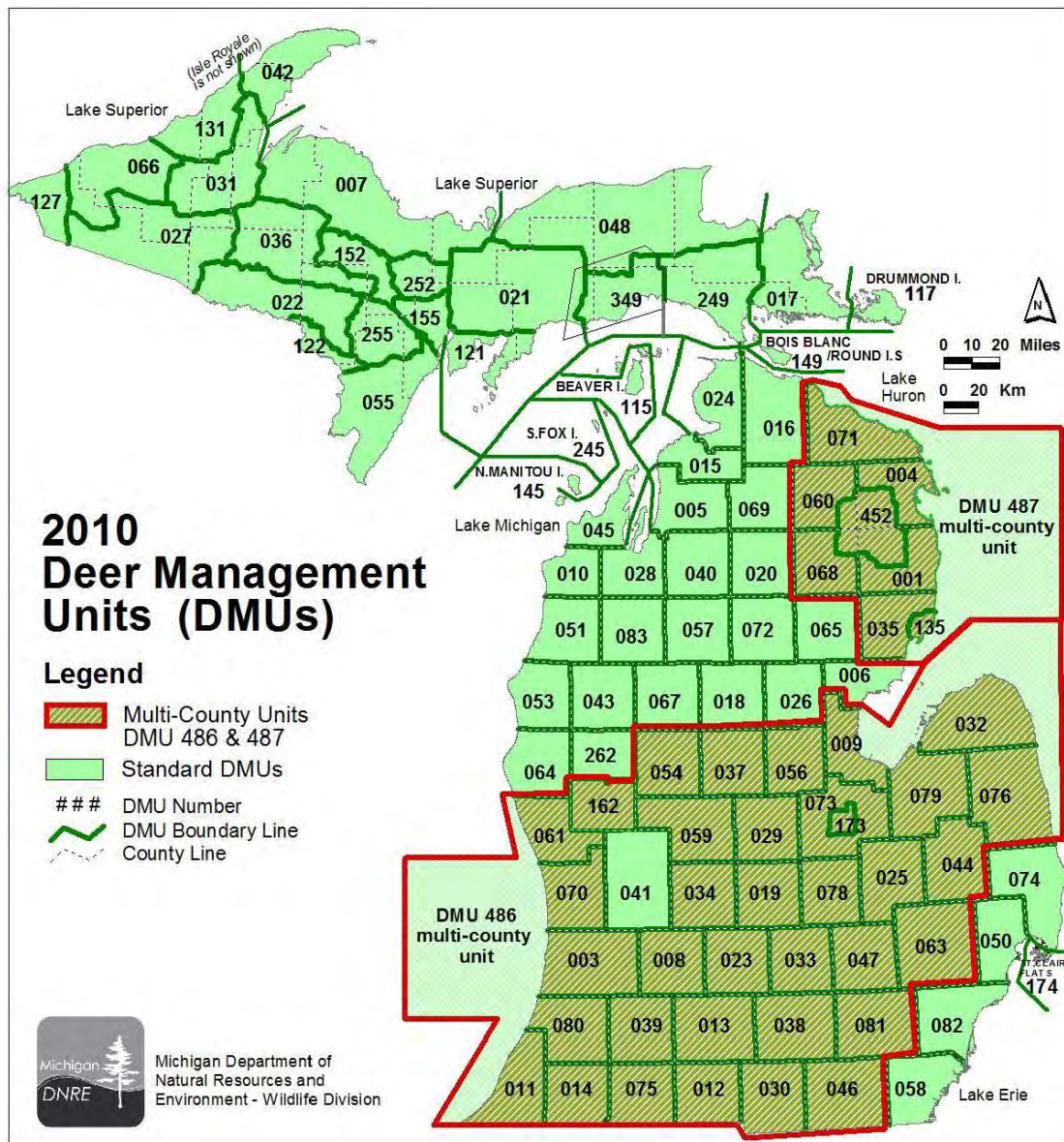
Endangered Species

Crawford County is also home to a number of different plants and animals that are threatened, endangered or is of special concern. **Table 4.6** presents the Endangered (E) or Threatened (T) plant and animal species of Crawford County, which are protected under the Endangered Species Act of the State of Michigan (Public Act 203 of 1974 as amended). This list also includes plant and animal species of Special Concern (SC). While not afforded legal protection under the act, many of these species are of concern because of declining or relict populations in the state. Should these species continue to decline, they would be recommended for Threatened or Endangered status. Protection of Special Concern species before they reach dangerously low population levels would prevent the need to list them in the future by maintaining adequate numbers of self-sustaining populations.

The primary summer nesting area of the very rare songbird, Kirtland's Warbler, is found in the immediate vicinity of Crawford and Roscommon counties. This Warbler winters in the Bahamas and migrates to northern Michigan nesting areas in young jack pine

forests. Bird watches from all over the world come to the area to view and study this scarce bird. Kirtland's Warbler habitat is young jack pine forests that are 5 to 20 years old. The habitat is managed by cutting older jack pine stands and replanting with millions of new seedlings each year. Protection of this habitat is critical to insure future preservation of the Kirtland's Warbler.

Figure 4.10



National Wetlands Inventory

A wetland is found where water is found, either on the surface or near the surface, at any time during the year. Poorly drained soils and water-loving vegetation also may be present. Wetlands are often referred to as marshes, swamps or bogs. Residents of Michigan are becoming increasingly more aware of the value of wetlands. Beyond their

aesthetic value, wetlands improve water quality of lakes and streams by filtering polluting nutrients, organic chemicals and toxic heavy metals. Wetlands are closely related to high groundwater tables and serve to discharge or recharge aquifers. Additionally, wetlands support wildlife, and wetland vegetation protects shorelines from erosion.

Table 4.6
Crawford County Threatened and Endangered Species

SCIENTIFIC NAME	COMMON NAME	FEDERAL STATUS*	STATE STATUS**
<i>Accipiter gentilis</i>	Northern goshawk		SC
<i>Agoseris glauca</i>	Prairie or pale agoseris		T
<i>Alasmidonta viridis</i>	Slippershell		T
<i>Appalachia arcana</i>	Secretive Locust		SC
<i>Atrytonopsis hianna</i>	Dusted skipper		SC
<i>Botrychium mormo</i>	Goblin moonwort		T
<i>Brachionycha borealis</i>	Boreal brachionyncha		SC
<i>Buteo lineatus</i>	Red-shouldered hawk		T
<i>Calypso bulbosa</i>	Calypso or fairy slipper		T
<i>Cirsium hillii</i>	Hill's thistle		SC
<i>Coregonus artedi</i>	Lake herring or cisco		T
<i>Dalibarda repens</i>	False violet		T
<i>Dendroica kirtlandii</i>	Kirtland's warbler	LE	E
<i>Emydoidea blandingii</i>	Blanding's turtle		SC
<i>Falcipecten canadensis</i>	Spruce grouse		SC
<i>Festuca Scabrella</i>	Rough fescue		T
<i>Gavia immer</i>	Common loon		T
<i>Glyptemys insculpta</i>	Wood turtle		SC
<i>Haliaeetus leucocephalus</i>	Bald eagle		SC
<i>Incisalia henrici</i>	Henry's elfin		T
<i>Juncus vaseyi</i>	Vasey's rush		T
<i>Lycopodiella subappressa</i>	Northern appressed clubmoss		SC
<i>Panax quinquefolius</i>	Ginseng		T
<i>Pandion haliaetus</i>	Osprey		SC
<i>Physella magnalacustris</i>	Great Lakes physa		SC
<i>Physella parkeri</i>	Broadshoulder physa		T
<i>Prosapia ignipectus</i>	Red-legged spittlebug		SC
<i>Prunus alleghaniensis var davisii</i>	Alleghany or sloe plum		SC
<i>Ptychocheilus</i>	Grizzled skipper		SC
<i>Scirpus clintonii</i>	Clinton's bulrush		SC
<i>Sistrurus catenatus</i>	Eastern massasauga	C	SC
<i>Solidago houghtoni</i>	Houghton's goldenrod	LT	T
<i>Sphaerium fabale</i>	River fingernail clam		SC
<i>Sporobolus heterolepis</i>	Prairie dropseed		SC
<i>Stagnicola contracta</i>	Deepwater pondsnail		E
<i>Stellaria crassifolia</i>	Fleshy stitchwort		E
<i>Viola novae-angliae</i>	New England violet		T
*LE= Listed endangered, C = Candidate, LT = Listed threatened			
** E = Endangered, T = Threatened, SC = Special concern			
Source: Michigan Natural Feature Inventory, Department of Natural Resources, Wildlife Division			

Poorly drained, lowland areas support northern white cedar, tamarack, balsam fir, black spruce, eastern hemlock, white pine, balsam poplar, trembling aspen, paper birch, black ash, speckled alder and shrub willows. Northern white cedar dominates the wetland areas where there is good lateral water movement and the soils are high in organic content. Lowland forests are typically located adjacent to water features and function as riparian forests and water quality buffers. The network of lowland forests, associated with rivers and creeks, also function as wildlife corridors and are the backbone of large regional ecological corridors. Lowland forests adjacent to rivers and streams may be prone to flooding during the spring snowmelt, particularly when combined with heavy spring rains. Forested and non-forested wetlands are a finite resource in the County. Land use planning activities should focus on protecting and preserving these limited and critical resources.

The U.S. Fish and Wildlife Service developed national wetlands inventory program in the 1980's. Through this effort a national wetlands inventory map was compiled for Crawford County. The digital data was acquired from the Center for Geographic Information, State of Michigan, and used to compile **Figure 4.11**. The map depicts forested and non-forested wetlands.

Pre-Settlement Vegetation

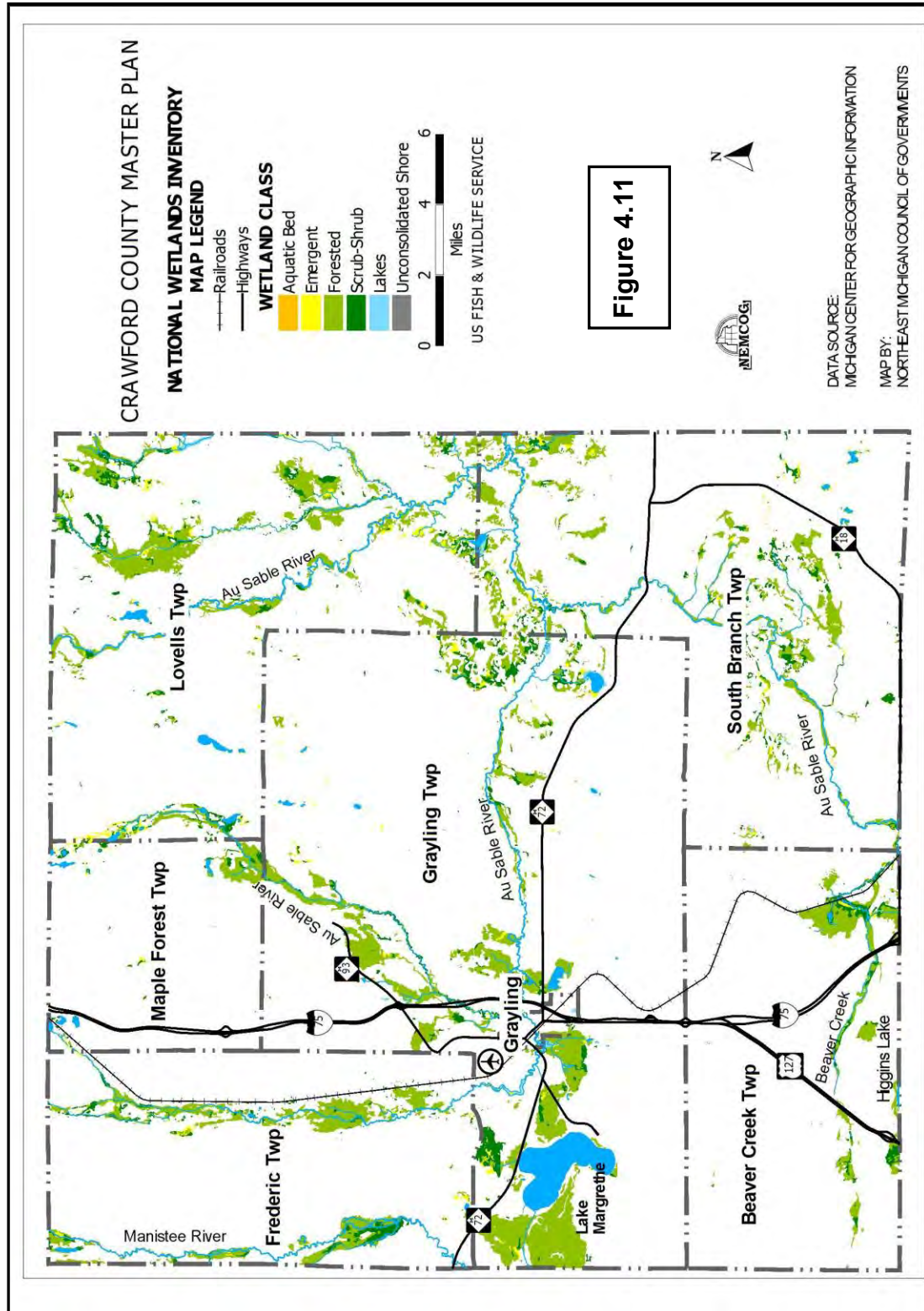
The Michigan Department of Natural Resources has compiled pre-settlement vegetation maps of counties in Michigan. The maps were generated from information contained in the first government land survey notes in the 1800's along with information such as current vegetation, land forms and soils, **Figure 4.12**. A review of the pre-settlement vegetation map of Crawford County shows extensive areas were covered with jack pine-red pine forest, pine barrens, and pine-oak barrens. This clearly shows a long history of wildfires in the area. The map delineates jack pine-red pine forest, white pine-red pine forest, pine barrens, pine-oak barrens, pine-oak forests, and northern hardwood forests. In the late 1800's extensive logging and subsequent wildfires altered the forest make-up, yet still today as noted on the 1978 forest vegetation map, jack pine covers large parts of the county. **Figure 4.13** shows historical vegetation and interpolated fire observations from General Land Office Survey Notes. This map again supports that jack pine and wildfires have long been a part of life in this part of the state. Today, the concern lies in residential development within these historic fire prone areas.

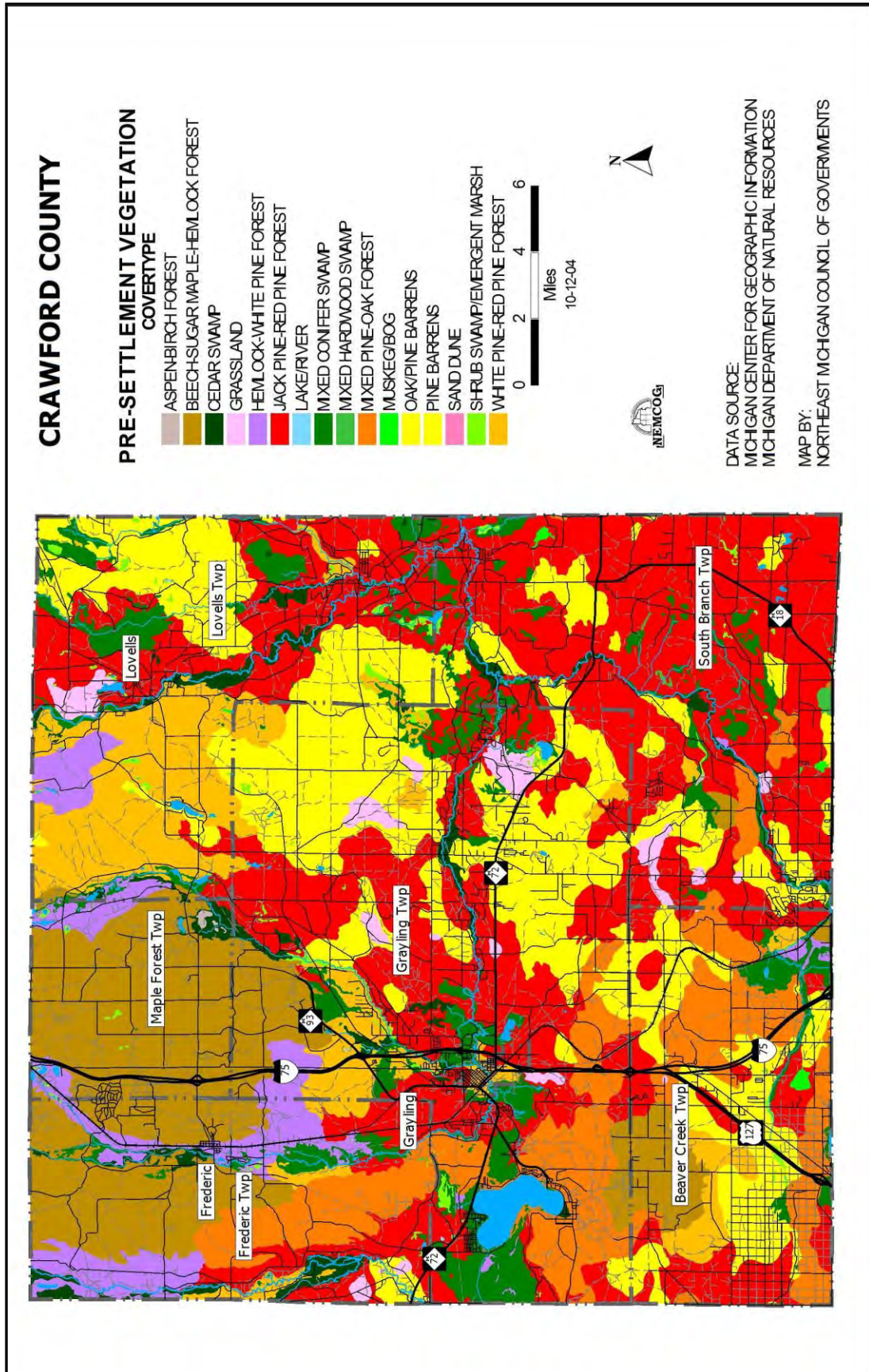
Sites of Environmental Contamination

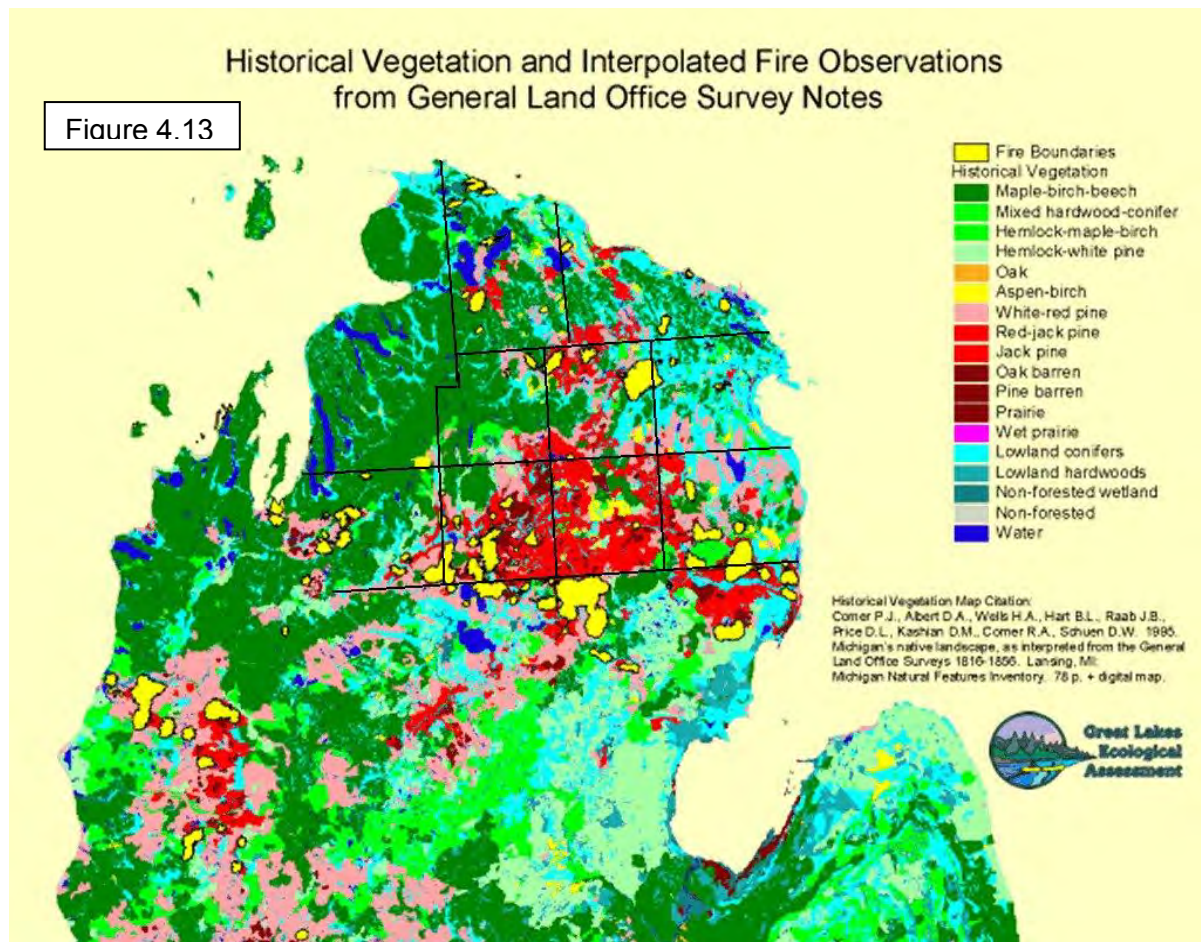
The Part 201 (Environmental Response) of Natural Resources and Environmental Protection Act (P.A. 451 of 1994), as amended, provides for the identification, evaluation and risk assessment of sites of environmental contamination in the State. The Environmental Response Division (ERD) is charged with administering this law. A site of environmental contamination, as identified by ERD, is "a location at which contamination of soil, ground water, surface water, air or other environmental resource is confirmed, or where there is potential for contamination of resources due to site conditions, site use or management practices". The agency publishes a list of environmentally contaminated sites by county showing the sites by name, pollutant(s) and site status (**Table 4.7**).

A Site Assessment Model (SAM) score is computed to assess the relative risk a site may pose and to help determine the aggressiveness of clean up efforts. SAM scores range

from 0 to 48 with 0 being the least contaminated and 48 the most contaminated. In some instances where the score is high and further contamination is possible, immediate response may be required. Conversely, a location where the score is low and the conditions of the site are not likely to change; no action may be the preferred course.







Surface Water and Air Discharge Permits

NPDES Permits

Anyone discharging, or proposing to discharge, waste or wastewater into the surface waters of the State is required to obtain a National Pollutant Discharge Elimination System (NPDES) permit. The NPDES program is intended to control direct discharge into the surface waters of the State by imposing effluent limits and other conditions necessary to meet State and federal requirements. The NPDES program regulates pollutants discharged directly into waterways from wastewater sources. According to the EPA Consolidated Database, as of February 2014 there are nine active NPDES permits issued in Crawford County.

Air Discharge Permits

There are four categories of review or permits in the state of Michigan for air discharges: Maximum Achievable Control Technology (MACT) determinations; New Source Review (NSR); Renewable Operating Permit (ROP); and Acid Rain Permits. MACT determinations are required under the Clean Air Act. The U.S. EPA is required to develop standards for industrial categories of "major" sources of hazardous air pollutants that require the application of MACT. This is done on a case-by-case basis by the Air

Table 4.7
Crawford County Contamination Sites

SITE ID & STATUS	LOCATION	SOURCE	POLLUTANT	SAM SCORE
20000002 Active	M-93	National Security	PCE , TCE	28
20000003 Active	Sherman Rd	Landfill	Benzene Iron, Vinyl Chloride , 4-methylphenol	24
20000004 Active	6636 AuSable St (Old 27)	Gasoline Service Station	BTEX 1,1 DCA Lead , 1,1,1 TCA PERC	30
20000007 Active	Rt #1, 7 Mile Rd	Pumps & Pumping Equipment	BTEX	31
20000008 No Action Taken	W. Kolka Creek	Oil drilling	Brine	20
20000009 Inactive	5453 M-18 Hwy	Gasoline Service Station	BTEX , 1,2 DCA	27
20000010 No Action Taken	123 Barbara St	Non-classifiable Establishments	BTEX	22
20000028 Monitoring Only	427 South Grayling Rd	Auto Dealer & Service Stations	Tetrachloroethylene, 1,2 Dichloroethylene, Trichloroethylene	17
20000049 Active	Industrial Dr	Sewerage Systems	Nitrate	24
20000058 Active	106 Jonassen	Private Households	Heating Oil , Ethylbenzene	14
20000060 Active	2459 Industrial Dr	Wood Preserving	Cr+6	20
20000064 Active	200 West Michigan Ave	Railroad Transportation	PNAs Dibenzofuran, 2-Methylnaphthalene	29
20000065 No Action Taken	Beech Terrace Dr	Private Households	Fuel Oil	20
20000066 State Project Terminated	308 Huron St (M-72)	Lumber & Wood Products	Benzo(a)pyrene, Fluoranthene, Phenanthrene	21
20000067 De-listed	1985 Dansk Ln	Private Household	Heating Oil, Phenanthrene	21
20000068 De-listed	1320 S. McMasters Bridge Rd	Hotels & Other Lodging Places	Heating Oil	15
20000071 Active	Camp Grayling	National Security	Lead , Zinc , Phenanthrene	33
20000073 Active	N. Down River Rd	Sporting & Athletic Goods	TMB; Benzene; Ethylbenzene; PCE; Toluene; Xylenes; n-Propylbenzene	31
20000074 Active	10360 W. Deward Rd	Pipelines	Ethylbenzene	22
20000075 Active	4364 N. Down River Rd	Fabricated Metal Products	PCE; TCE; cis-1,2 DCE	34
20000077	9439 East North Down River Rd	Gasoline Service Station	TMB; Benzene; Ethylbenzene; Naphthalene; Toluene; Xylenes	31
20000090 Inactive	4622 Young St	Lumber & Wood Products	TMB; Pb	27
Source: Department of Environmental Quality				

Quality Division. NSR requires a person to obtain a permit prior to the installation of any potential source of air pollution unless the source is exempt from the permitting process. The ROP program is a national permitting system, administered by each state. Each major source of pollution is subject to the program. A "major source" is a facility that is capable of emitting more than certain amounts of air contaminants. Acid Rain Permits may be required for electric generating units which sell electricity to the grid and burn fossil fuel. **Table 4.8** lists the current Air Discharge (renewable operating permits) permits issued to businesses in Crawford County as of May 2014. Additionally, within Crawford County, only CMS Generation, Grayling Generating Station has submitted a

renewal application for a permit under the EPA Clean Air Interstate Rules regulations (CAIR)

Table 4.8 Air Discharge Permits in Crawford County, May 2014	
Company	Location
City Envl. Services of Waters	Frederic
Grayling Generating Station (CMS Generation)	Grayling
Jaguar Energy – Frederic 15 Gas Plant	Frederic
Weyerhaeuser Structurewood Plant	Grayling
Source: MDEQ Air Quality Division	

Summary

Review of the natural resources in Crawford County indicates the environment is currently in very good condition, however these resources are extremely sensitive to change. The environmental features of the county are an important asset to the area and need continued protection.

Chapter 5 – Land Use Characteristics

This chapter presents information on both the types and location of land uses on a countywide basis. The process identifies both urban built-up land uses such as residential and commercial, along with natural land cover types like forests and wetlands. As a result the final map presented in this chapter is a hybrid that combines land cover and land use.

Land Division Patterns

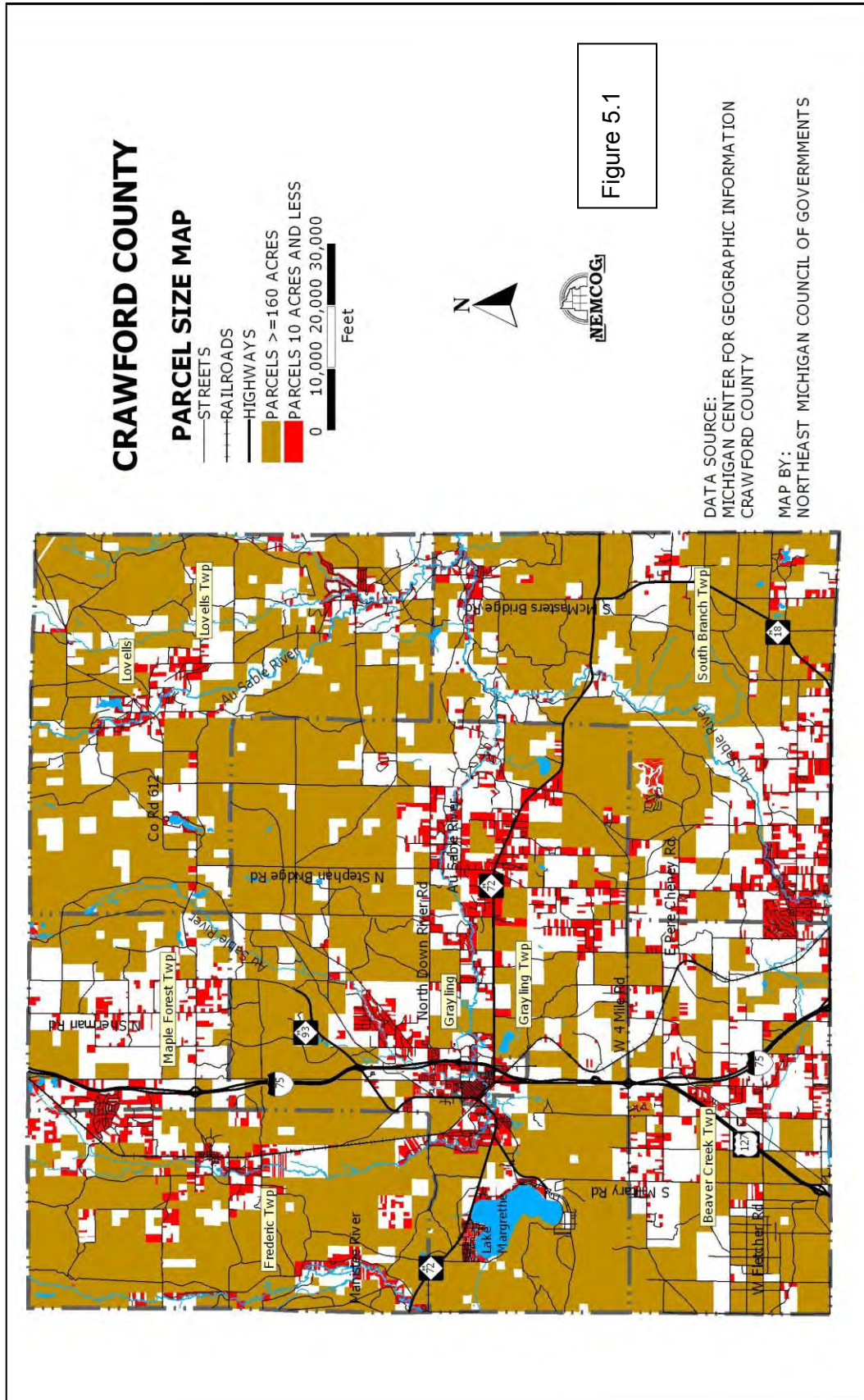
As development occurs, larger tracts of land are generally broken down into smaller parcels. Therefore, studying the existing pattern of land divisions is one way to analyze the status of land use and development. Most of the private ownership is in tracts that are 10 acres and smaller. Large tracts of private ownership, typically hunt/fish clubs, are scattered throughout the County. Subdivisions and small tracts are located near rivers, around lakes along major highways, within recreational developments and clustered around the community of Grayling. **Figure 5.1** shows the distribution of parcels 160 acres or larger, and parcels 10 acres or less.

A key factor that determines community character and the location of potential future development areas is the amount of land public ownership. **Table 5.1** and **Figure 5.2** show the breakdown of public land ownership in Crawford County. Excluding water, all public lands (including that owned by cities, townships, the county, as well as federal and state properties) make up over 70 percent of the county's total land area.

Table 5.1		
Crawford County Land Ownership		
Public Lands	Acres	Percent
State of Michigan	116,614	32
Military	97,294	27
USA	41,433	12
Other Public	1,366	>1
Water	3,031	>1
Source: NEMCOG		

Land Use

One of the features that attract people to Crawford County is the rural character of the area. Data from 1992 satellite imagery shows that 86.3 percent of the County's 360,294 total acreage is forested, with another 7.1 percent non-forest. Agriculture, wetlands and surface water each claim an additional 1.1 percent (Table 5.1 and Figure 5.1). Just a little over three percent of the County's land is used for urban-type purposes, including commercial, industrial, recreational and residential (see **Table 5.2** and **Figure 5.3**)



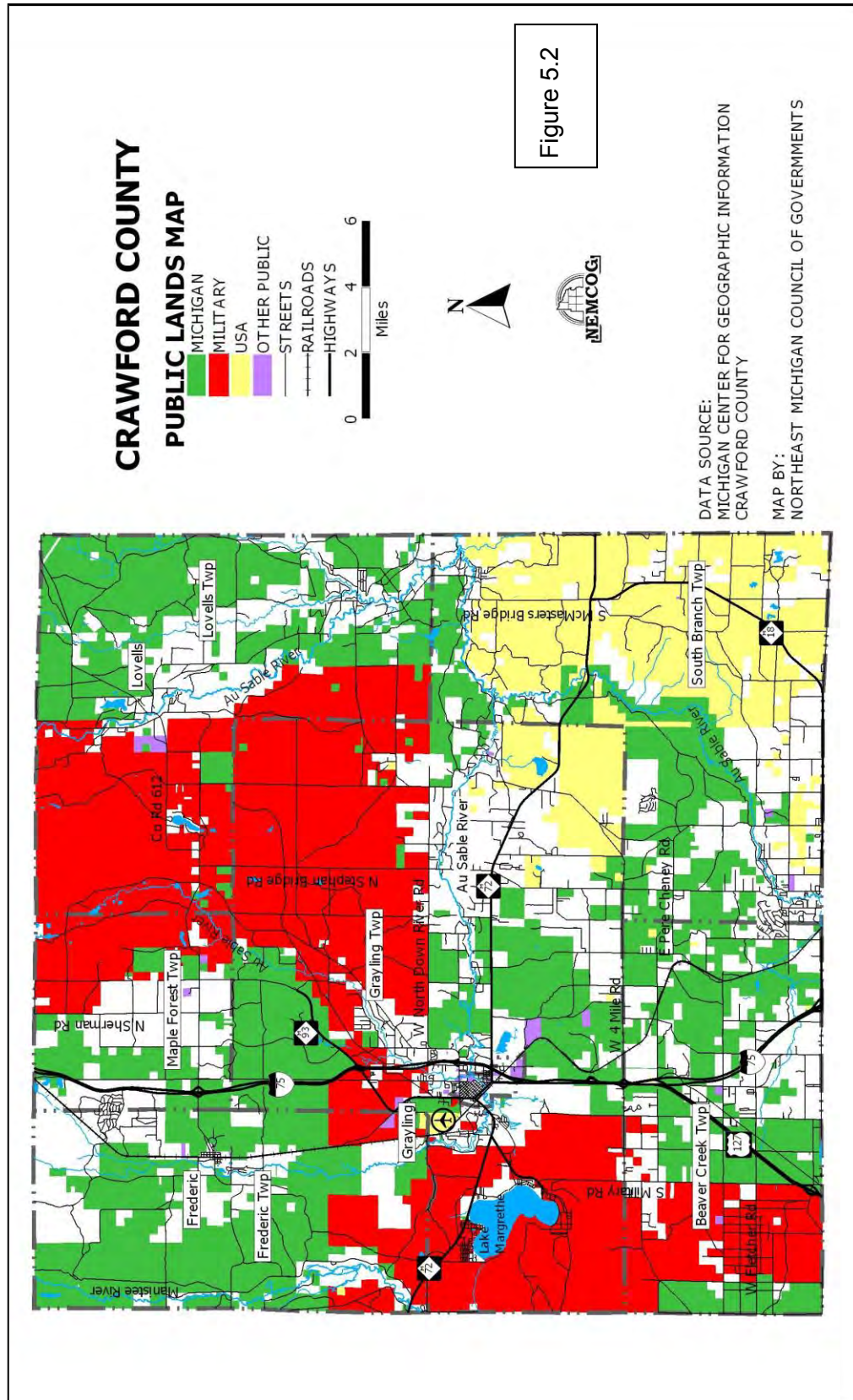


Figure 5.2

Data for the land/cover use inventory was taken from the Michigan Land Cover Dataset (MLCD), which was produced as part of the National Land Cover Dataset (NLCD). The NLCD was compiled from Landsat satellite imagery in 1992 as a cooperative effort between the U.S. Geological Survey (USGS) and the U. S. Environmental Protection Agency (US EPA) to produce consistent land cover data for the US. It is important to note this approach utilizes lower resolution satellite imagery and computer generated image interpretation to compile the generalized land cover map. The approach did not involve field checking and manual boundary adjustments. Due to the scale, low density urban development and development in dense forestland was not delineated. The computer generated map offers a general view of land use in the county, adequate for general planning purposes. The computer generated land use for Crawford County consists of the following ten classes:

Table 5.2			
Crawford County General Land Use			
Land Use Type	Acres	Square Miles	% of Total Area
Agricultural	3,957	6.18	1.1%
Commercial/Industrial/Transportation	2,679	4.18	0.7%
Extractive/Transitional	8,278	12.93	2.3%
Lowland Forest	43,959	68.68	12.2%
Non-Forest Upland	25,719	40.18	7.1%
Recreational	460	0.71	0.13%
Residential	472	0.73	0.13%
Upland Forest	266,861	416.97	74.1%
Surface Water	4,005	6.25	1.1%
Wetlands	3,904	6.10	1.1%
Total	360,294	562.95	100%

Residential

According to the MLCD, 0.14 percent (472 acres) of the County's total land area was used for residential purposes in the early 1990s. As noted in Chapter 2, the number of housing units in the County increased over 15 percent between 1990 and 2000. This increase in housing units indicates a likely increased percentage of land in residential use. The most popular areas for residential development tend to be along the banks of the County's water resources. Residential usage is concentrated in and around the City of Grayling, Frederic Township, around the north and east shore of Lake Margrethe, along the Manistee River in Frederic Township, along the Au Sable River in Grayling Township and along the South Branch of the Au Sable River in South Branch Township. For the most part, residential development in the County consists of single-family dwellings. However, single family duplexes, multi-family units, condominiums, mobile homes and mobile home parks are also listed in this category.

Commercial/Industrial/Transportation

Commercial land uses include primary/central business districts, shopping center/malls, secondary/neighborhood business districts, including commercial strip development, as well as industrial development, transportation, oil and gas, communication and utility facilities, and all

highways. The MLCD identified 2,679 acres, or 0.7 percent of Crawford County's in this land use category. Commercial/Industrial facilities are found primarily in the City of Grayling and in Frederic Township, with expansion noted in areas along M-72, along I-75 and in Beaver Creek Township around the junction I-75 and US 27.

Extractive/Barren

This category includes quarries, strip mines and gravel pits as well as land in transition (forest clear cuts, transition between agriculture and forest lands, and changes due to natural causes such as fire or flooding). Areas of bare rock, sand or clay with little green vegetation are also included in this class, which makes up 2.3 percent (8278 acres) of Crawford's land area.

Recreational

Land devoted specifically to active or developed recreational purposes amounted to approximately 0.13 percent, or about 460 acres in Crawford County. Land uses included in this category are public parks and campgrounds, golf courses, schools, churches and public buildings. Note: Due to the extensive state-owned lands there is a tremendous amount of land available for recreation that is mapped as forested – see Chapter 6 for more recreation details.

Agricultural

With only 3,957 acres classified as farmland, agriculture operations make up a relatively small portion (1.1%) of the County's land use. The largest concentration and majority of the agricultural land use is located in Maple Forest Township with smaller areas located in Beaver Creek Township and South Branch Township. Agriculture land is used predominately as pastureland hay and growing crops such as beans, oats, and barley. A small amount of land is used for livestock such as cattle, milk cows and hogs.

Non-Forested Uplands

Non-forested land is defined as areas supporting early stage of plant succession consisting of plant communities characterized by grasses or shrubs. Non-forest land makes up 7.1 percent or 25,719 acres of the County's land area. Typical grass species are quack grass, Kentucky bluegrass, upland and lowland sedges, reed canary grass and clovers. Typical shrub species include blackberry and raspberry briars, dogwood, willow, sumac and tag alder. Also included in this category are the lands used by the National Guard at camp Grayling for artillery and bombing ranges.

Upland Forest

Upland forests make up 266,861 acres or 74.1 percent of the County's surface area. While some of this land may have been converted to other uses since 1990, it is still by far the largest single land cover/use in the County. The predominant species on much of these lands is jack pine but other species such as white, red, scotch pines, sugar and red maple, elm, beech, yellow birch, cherry, basswood, white ash, and aspen can also be found.

Lowland Forest

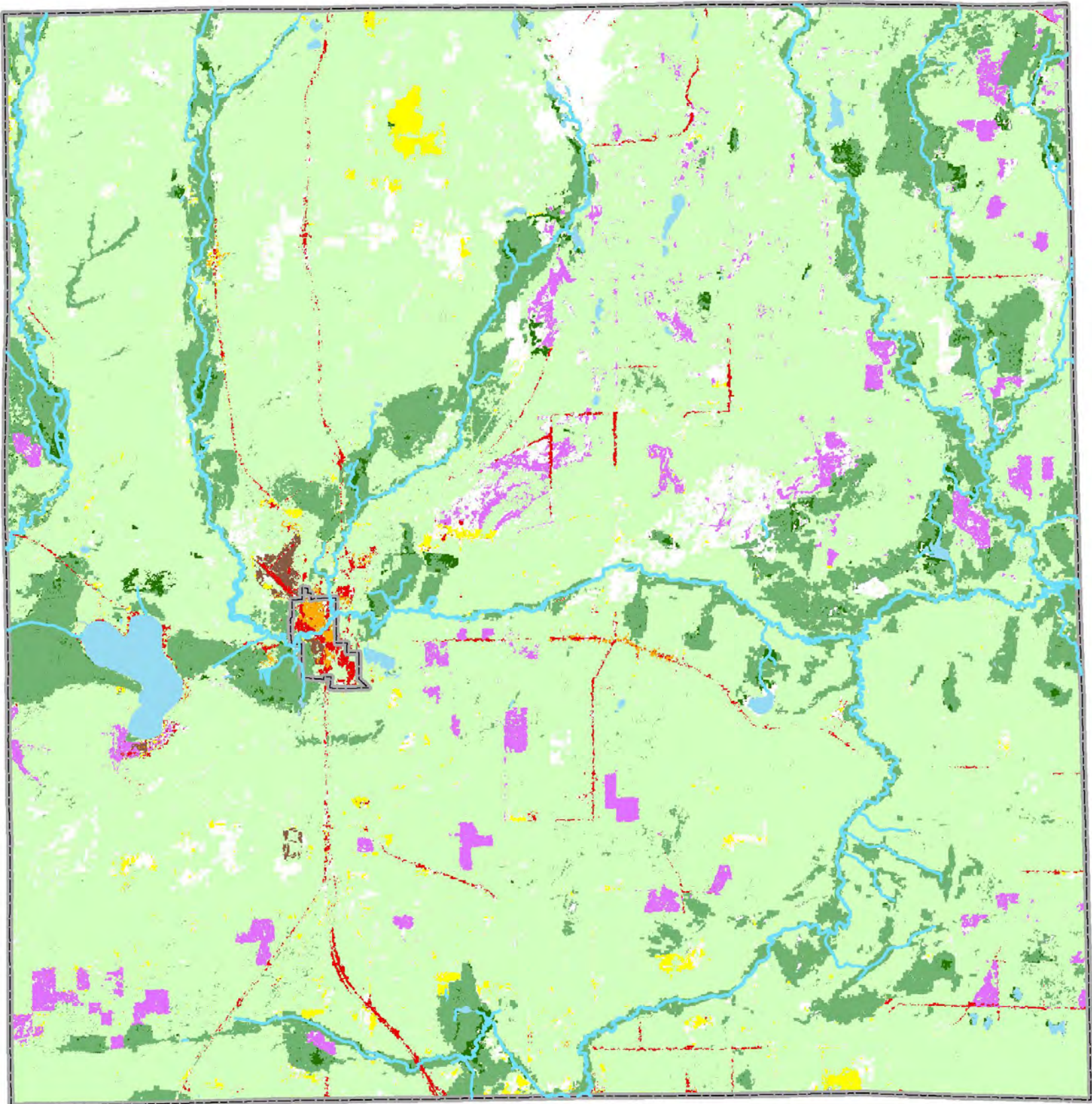
The County's land use inventory shows that 43,959 acres or 12.2 percent of the County's surface area consists of lowland forests. Lowland forests are defined as those containing ash, elm and soft maple, along with cottonwood and balsam poplar. Lowland conifers, such as cedar, tamarack, black and white spruce and balsam fir stands are also included. Lowland forests are mostly found close to the rivers and lakes in the county.

Wetlands

As can be noted from **Table 5.1**, 3,904 acres or 1.1 percent of the County's land area was identified as wetlands. Wetlands are those areas between terrestrial and aquatic systems where the water table is at, near, or above the land surface for a significant part of most years. The hydrologic regime is such that it permits the formation of hydric soils or it supports the growth of hydrophytic vegetation. Examples of wetlands include marshes, mudflats, wooded swamps and floating vegetation situated on the shallow margins of bays, lakes, rivers, ponds, streams. These wetland categories include shrub wetlands, fresh-water marshes, wet meadows, open bogs, emergent wetlands and aquatic bed wetlands.

Surface Water

Crawford County is home to many small lakes and several major rivers. Surface water makes up 1.1 percent (4,005 acres) of the County's land use types. The combination of wetlands types, lowland forests and surface water makes up a significant portion (14.6 percent) of the County's surface area. Therefore, protecting the county's water and wetland resources should be a major priority in land use planning.



Residential

Commercial

Extractive/Transitional

Recreational

Agriculture

Non-Forest Uplands

Upland Forests

Lowland Forests

Wetlands

Lakes

Rivers

Political Boundary

Crawford County


1992 Land Use

012345

Miles

N

Digital data provided by the Center for Geographic Information, State of MI, and is intended for planning purposes only.



NEMCOG

Map produced by the Northeast Michigan Council of Governments GIS Dept July 2006

Chapter 6 – Recreation

The recreational opportunities in Crawford County and the abundance of natural resources are vast, thus the County includes recreation as a key component in the Master Plan. This chapter with the support of the information in the other chapters of the Master Plan is intended to serve as a recreation plan for approval by the Michigan Department of Natural Resources for Crawford County, Beaver Creek Township, Grayling Township, Lovells Township, and South Branch Township. Frederic Township and Maple Forest Township are not specifically included as they recently updated their respective Township Master Plans, including recreation plans. The City of Grayling also maintains a separate recreation plan, thus is not specifically included in this recreation plan.

In past years, the County and Townships have provided recreation services and facilities to residents and visitors. The mix of County and Township owned facilities along with other publicly owned State Forest lands and campgrounds and privately owned recreation facilities offers a wide range of passive and active recreational opportunities. A description of these facilities is included in the recreation inventory, which follows. Crawford County and the respective Townships intends to continue providing recreation services to its residents and visitors, but also plans to make improvements at the existing facilities, including compliance with Americans with Disabilities Act (ADA) and Universal Design standards, to improve accessibility for all.

As recreation service providers, Crawford County including the Grayling Recreation Authority, and the Township recognizes the importance of planning for future recreation services and facilities. A major factor in the provision of any service is the question of how projects will be funded. One possible source of funding for recreation projects is through grants available from Michigan Department of Natural Resources (MDNR).

To become grant eligible for MDNR funding, a community must have an approved recreation plan. Components of a MDNR approved recreation plan include:

- Community Description
- Recreation Inventory
- Administrative Structure
- Description of the Planning Process
- Action Program
- Basis for the Action Program
- Plan Review and Adoption

Elements of the community description can be found in Chapters 1 and 2 of this Plan. A location map can be found in Chapter 1- Introduction, which shows the relationship between the Townships and the County as a whole. Chapter 2 provides background studies including socio-economic characteristics of the County and each of the Townships. Data on the natural environment, including resource inventory information is provided in Chapter 4 and existing land use patterns are discussed in Chapter 5. The remaining components of the recreation plan are covered in this chapter.

Administrative Structure

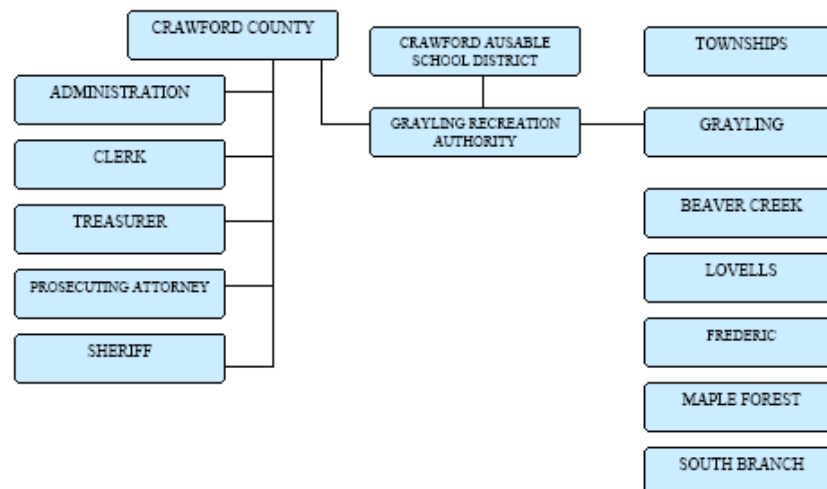
Crawford County

Crawford County Board of Commissioners operates under an administrative structure consisting of a Chair, Vice-Chair and board members. These positions are chosen by qualified voters of the county in at-large elections by districts held every other November. Bylaws adopted by the County determine the order of business and method of conducting regular county business. For most issues that require a vote for determination, a majority of commissioners present is required.

The county does have a recreational authority – the Grayling Recreation Authority (GRA). The Grayling Recreation Authority was created by local units of Crawford County government to facilitate parks and recreation services in Crawford County, to operate the Hanson Hills Recreation Area.

Crawford County Organizational Chart

Organization Structure



Crawford County Parks & Recreation Staff

The County does not employ any parks and recreation staff. Duties related to recreation properties are assigned to existing staff.

Table 6.1

Crawford County Budget and Recreation Expenditures, 2011-2014			
Budget			
FY Ending Sept 30	2011-2012	2012-2013	2013-2014
Recreation	\$2,500	\$58,984	\$200,000
Total County	\$5,298,406	\$5,278,424	\$5,380,122
Expenditures			
Recreation	\$2,500	\$58,984	TBD
Source: Crawford County 2011-2014			

Grayling Recreation Authority

The Grayling Recreation Authority (GRA) was created by the local units of Crawford County to address the recreational needs of the county. This body's primary function is to facilitate parks and recreation services in Crawford County and to operate Hanson Hills Recreation Area and Winter Sports Park. Hanson Hills has the unique distinction of being a State legislated recreational facility, created under P.A. 156 of 1917. The property is located in Grayling Township and is owned by the State of Michigan Department of Military Affairs. The lease to the Hanson Hills Recreation Area is renewed periodically with joint signatures from GRA and the Michigan National Guard. The property is leased to the Grayling Recreation Authority based on a renewable twenty (20) year lease. The current lease expires in 2026. The GRA is governed by a Board of Directors made up of appointed representatives from the County, Grayling Township and the Crawford AuSable School Board and appointed at-large members. The three at-large members are selected and approved by a majority vote of the six appointed members. The term length for at-large members is three years. Term lengths for the appointed members are determined by the appointing body.

GRA Parks & Recreation Staff

The GRA has full-time staff for administration, operation, service and maintenance of the Hanson Hills Recreation Area.

Funding for the GRA Budget

The GRA is currently funded by a county-wide millage. Apart from millage funds, other possible funding sources for recreational improvements in the county exist in grant opportunities with agencies such as the Michigan Department of Natural Resources, private foundations, community service organizations and community fund-raising groups.

Table 6.2

Grayling Recreation Authority Budget and Recreation Expenditures, 2011-2014			
Budget			
FY Ending Mar 31	2011-2012	2012-2013	2013-2014
Recreation	426,860.00	444,806.00	480,754.00
GRA Total Budget	426,860.00	444,806.00	480,754.00
Expenditures			
Recreation	399,827.00	422,032.00	455,224.00
Source: Grayling Recreation Authority 2011-2014			

Participating Townships: Beaver Creek, Grayling, Lovells, and South Branch

Each of the participating Townships operates under an administrative structure consisting of a Township Supervisor, Township Clerk, Township Treasurer and two Township Trustees. These positions are elected by registered voters of the Township. The elected offices for Township Supervisor, Clerk, Treasurer and Trustees are four year terms. Bylaws adopted by the Township Board determine the order of business and method of conducting regular township business. Meetings are conducted using *Robert's Rules of Order*. For issues that require a vote for making a determination, a simple majority of the Township Board present is required.

Parks and recreation facilities are under the direct control of the Township Board of Trustees. Each Township Board is directly responsible for creating the Recreation Plan.

Township Parks & Recreation Staff

Grayling Charter Township employs one part-time staff for maintenance of recreational facilities. Beaver Creek, Lovells and South Branch Townships do not employ staff for recreational activities. Township recreation is handled by the Township Board. Other individuals typically involved in recreational activities at the Township level include:

Township Board Members, Township Planning Commission, other Township staff and volunteer groups.

Budgets

Table 6.3

Beaver Creek Township Budget and Recreation Expenditures, 2011-2014			
Budget			
<u>FY Ending June 30</u>	2011-2012	2012-2013	2013-2014
Recreation	0	0	0
Total Township	419,330	408,605	418,989
Expenditures			
Recreation	0	0	0
Source: Beaver Creek Township Profit & Loss Budget Sheets, 2011-2014			

Table 6.4

Grayling Charter Township Budget and Recreation Expenditures, 2011-2014			
Budget			
<u>FY Ending Mar 31</u>	2011-2012	2012-2013	2013-2014
Recreation	1,125	11,500	0
Total Township	1,074,000	1,115,000	1,100,000
Expenditures			
Recreation	900	8,000	TBD
Source: Grayling Charter Township Profit & Loss Budget Sheets, 2011-2014			

Table 6.5

Lovells Township Budget and Recreation Expenditures, 2011-2014			
Budget			
FY Ending Mar 31	2011-2012	2012-2013	2013-2014
Recreation	0	0	0
Total Township	172,255	207,361	150,171
Expenditures			
Recreation	200	200	200
Source: Lovells Township General Budget Sheets, 2011-2014			

Table 6.6

South Branch Township Budget and Recreation Expenditures, 2011-2014			
Budget			
FY Ending Mar 31	2011-2012	2012-2013	2013-2014
Recreation	\$5000	\$1000	\$1000
Total Township	\$397,355	\$374,620	\$365,860
Expenditures			
Recreation	\$0	\$209	\$243
Source: South Branch Township Profit & Loss Budget Sheets, 2011-2014			

Relationships with Other Agencies

Numerous groups within the county are involved with the improvement and operation of the recreational facilities in Crawford County. The majority of these organizations are operated on a volunteer basis. The organizations and special interest groups that assisted to provide recreation opportunity in Crawford County are:

1. Trails Sub Committee
2. Grayling Sportsplex
3. Crawford Ausable Soccer Association
4. Redskins Football
5. Little League Baseball
6. Crawford Ausable Athletic Director
7. Grayling Parks and Recreation Committee
8. Archery
9. Wellington Farm Park
10. Canoeing
11. Grayling Senior Center
12. Cross Country Ski Trails
13. Grayling City Parks & Recreation
14. Bicycling
15. MSUE 4-H
16. Boy Scouts/Girl Scouts
17. Trout Fishing

Beaver Creek Township, Grayling Township, Lovells Township and South Branch Township are participating in the Crawford County Recreation Plan. The City of Grayling participated in the process, but has its own recreation plan. Frederic and Maple Forest Townships participated in the process, but they each have an approved, current Recreation Plan within their Master Plan. The Crawford AuSable School District is also actively participating in the Recreation Plan

The Recreation Plan Proposed pathway projects are consistent with the Northeast Michigan Regional Non-motorized Transportation Plan and Investment Strategy.

Status Report of all Grant-Assisted Parks and Recreation Facilities

The following is a summary of the grant assistance which has been received by Crawford County or one of the participating Townships. Post-completion certification reports for each of these projects are provided in Appendix C.

<u>Crawford County</u>	
Project No. 26-00776	Project Year: 1976
Project Title: Wakely Bridge Access	
Project Status: Closed	Grant Amount: \$1,783.90
Element Picnic equipment Fencing Road Development	
Project Description: Fencing, picnic equipment, and LWCF sign	
Project No. BF91-295	Project Year: 1991
Project Title: Hanson Hills Recreation Area	
Project Status: Closed	Grant Amount: \$150,000.00
Element Mechanical Snow Making Ball Diamonds (2) Soccer Field Restroom Renovation	
Project Description: Develop additional recreational facilities.	
Project No. TF00-146	Project Year: 2000
Project Title: Grayling Fish Interpretive Center	
Project Status: Closed	Grant Amount: \$327,796.00
Element River Restoration Raceway Infrastructure ADA Accessible Trails Interpretive Signage Buildings (Demolition/Construction) and restroom Children's Fishing Pond	Element Fencing Landscaped Deck Overlook Stormwater Retention Basin Parking Lot
Project Description: Development of the Grayling Fish Interpretive Center, to include river restoration, raceway infrastructure, trails, signage, restroom, pond restoration, fencing, deck, fishing access and parking lot.	

Additionally, Crawford County has one active grant (#26-01713) for the development of little league fields at the County Sports Complex.

Beaver Creek Township**Project No. 26-01572****Project Year: 2001****Project Title:** Beaver Creek Park Improvement Project**Project Status:** Closed**Grant Amount:** \$45,000.00**Element**

Pavilion

Pave and expand parking

Non-motorized trail

Renovate Existing Pavillion

Project Description: Expanding parking and physical plant facilities as part of the continuing development of a 38-acre recreational park sponsored by Beaver Creek Township.**Grayling Charter Township****Project No. TF00-388****Project Year: 2000****Project Title:** Nature Park by the Fish Hatchery**Project Status:** Closed**Grant Amount:** \$230,000.00**Element**

Paving Road and parking

Water, Electric and Septic

Public Restrooms

Signage

Trail Development

Playground Equipment

Element

2 Fishing decks

Pavilion

Bridge over River

Landscaping

Project Description: Development of a new park which is located on the east branch of the AuSable River, including play equipment, walkways and fishing piers.**Lovells Township****Project No. 26-01104 F1****Project Year: 1980****Project Title:** Douglas Park**Project Status:** Closed**Grant Amount:** \$11,816.57**Project Description:**

Inventory of Existing Parks, Natural Areas and Recreation Facilities

The previous recreation plan inventory was used as a starting point for the following updated inventory, which was compiled with assistance from Crawford County, each of the participating Townships, Department of Natural Resources staff as well as the Recreation Stakeholders.

Public Recreational Properties – Crawford County

Table 6.7

CRAWFORD COUNTY & GRA RECREATIONAL FACILITIES				
Name	Classification	Description	Accessibility	Size
Hanson Hills Recreation Area	Large Urban Park	Large Park/Open Area that is located on State Land. Area is close to town, with bordering neighborhoods. Consists of Ski Lodge, Downhill Ski run, Nordic Ski trails, and Tubing Hill. Mt. Bike and Hiking Trail System. Includes Playground Area, Softball and Soccer Fields, Archery Facility, Disc Golf Course, Fishing Pond and Picnic Area.	2	277 Acres (Leased)
	Natural Resource Area			1500 Acres approx.
	Sports Complex			(Special Use Permit)
Grayling Fish Hatchery	Special Use	Fish Hatchery Located in town, Bordering numerous residential areas. Includes Trout fishing tanks, Museum building, Picnic Area.	3	50 Acres
Crawford County Sportsplex (fairgrounds)	Sports Complex	Concession stand and ball fields	2	30 acres
Wakeley Bridge Canoe Launch	Mini-Park	Canoe access	1	½ acre
Township Park		Park leased to Grayling Township on 99 year lease		

Public Recreational Properties – Townships and Chamber

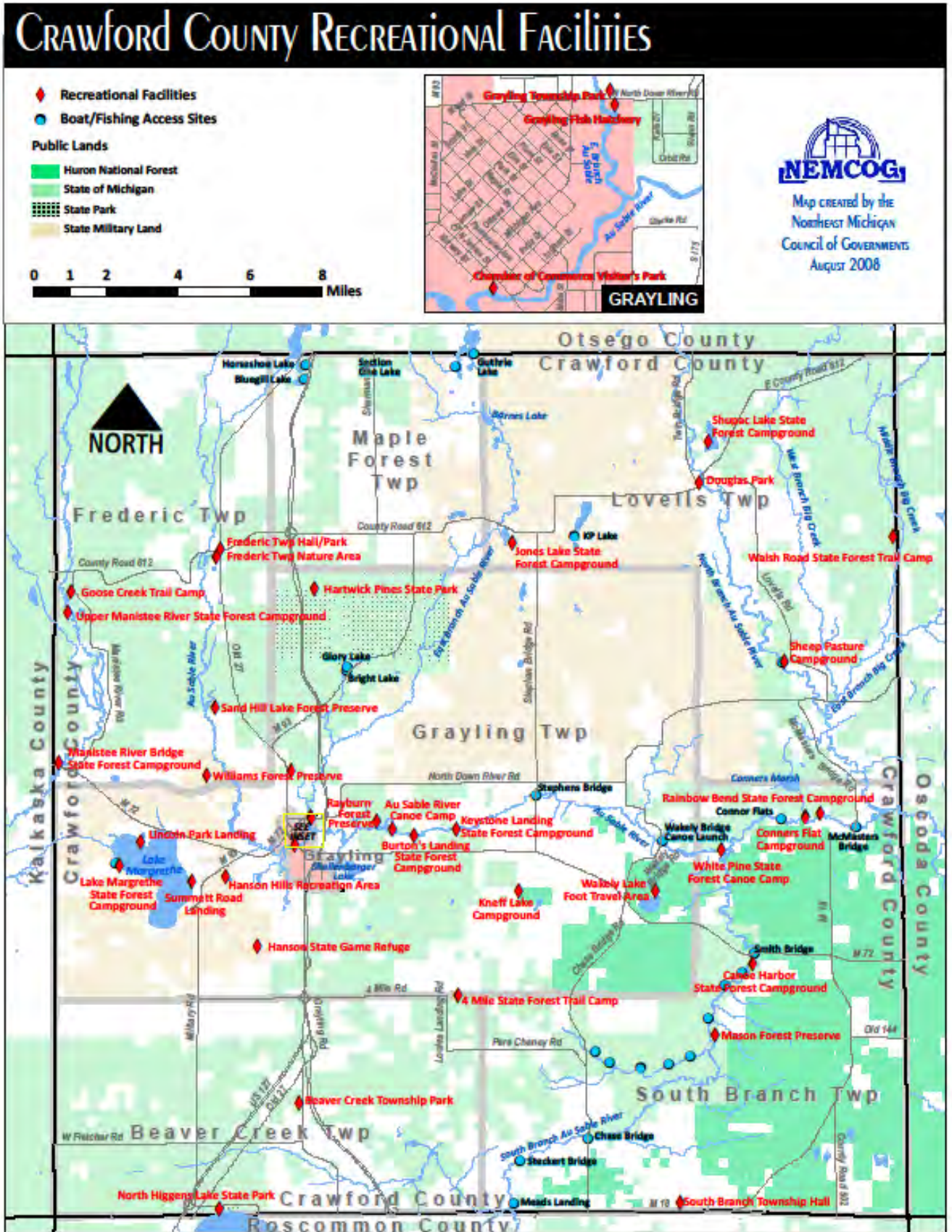
Table 6.8

BEAVER CREEK TOWNSHIP				
Name	Classification	Description	Accessibility	Size
Beaver Creek Governmental Complex	Community Park	Community Center, playground, tennis courts, baseball and basketball courts, soccer field, ½ mile paved multi-use trail, pavilions, bathroom building	3	40 ac
FREDERIC TOWNSHIP				
Betty Sadjak Memorial Park	Community Park	Playground, picnic tables, basketball court, walking path and gazebo.	3	1 ac
Frederic Community Center/Twp Hall	Community Park	Meeting rooms, offices, kitchen, gymnasium, picnic area, playground/tot lot and multi-purpose fields	3	5 ac
GRAYLING TOWNSHIP				
Grayling Township Fish Hatchery Park	Natural Urban family recreational area	Located on AuSable River East Branch close to City of Grayling and Grayling Fish Hatchery. Large playground, picnic pavilion, hiking trails, disc golf course, swimming and fishing	2	20 ac on E side and 4 ac on W side of river
LOVELLS TOWNSHIP				
Douglas Park	Neighborhood Park	Children's playground, picnic pavilion, ball diamond, volleyball area, shuffle board court, museum	3	5.5 acres
MAPLE FOREST TOWNSHIP				
Maple Forest Township Hall	Neighborhood Park	Meeting Room with kitchen facilities	3	<1 ac
SOUTH BRANCH TOWNSHIP				
Township Hall	Neighborhood Park	Township Hall	3	5
OTHER RECREATIONAL FACILITIES IN CRAWFORD COUNTY				
Chamber of Commerce City Park	Neighborhood Park	Chamber office, parking, pavilion/picnic area, river access	3	3

State Parks, State and Federal Forest Campgrounds in Crawford County

Table 6.9

STATE & FEDERAL RECREATIONAL FACILITIES		
Facility	Amenities	Location
North Higgins Lake State Park	174 campsites, trailer station, cabins, boat access, fishing, trails, museum, pavilions, conference center	Section 36, southern edge of Beaver Creek Township
Goose Creek State Forest Campground and Trail Camp	9 campsites, canoeing, hiking, horseback riding, wildlife viewing, fishing large equestrian group camp area	5.5 miles west of Frederic, Frederic Township
Manistee River Bridge Campground	23 campsites, canoeing, fishing, canoe access	Section 31, Frederic Township
Upper Manistee River Campground	30 campsites, 10 walk-in sites, canoeing, fishing, group camp for canoeists	Section 7, Frederic Township
AuSable River Canoe Camp	13 campsites (5 are canoe access only) hiking, picnicking, fishing, wildlife viewing	Grayling Township, 5.5 miles east of Grayling
Burton's Landing Canoe Launch	12 campsites, canoeing, fishing	Section 10, Grayling Township
4 Mile State Forest Trail Camp	50 campsites, horse camp, horseback riding, boat launch, fishing, canoeing, hiking, wildlife viewing	9 miles southeast of Grayling, Grayling Township
Hartwick Pines	100 campsites, hiking, mountain bike trails, fishing, logging museum & camp, Interpretive Center	6 miles Northeast of Grayling, Grayling Township
Keystone Landing Campground	18 campsites, canoeing, fishing, canoe launch	Section 11, Grayling Township
Kneff Lake Campground	26 campsites, boating, fishing, swimming, picnicking	7 miles southeast of Grayling, Grayling Township
Lake Margrethe Forest Campground	37 campsites, boating, swimming, fishing, boat ramp reservations available	Section 17, Grayling Township
Wakeley Lake Area Federal Forest	4 walk-in campsites, limited fishing, trails	Section 23, 10 miles southeast of Grayling
Jones Lake State Forest Campground	42 campsites, boating, swimming, fishing, small-boat ramp	Section 31, Lovells Township
Shupac Lake Campground	30 campsites, boating, boat ramp, swimming, fishing	Section 18, Lovells Township
Canoe Harbor Campground	44 campsites, canoeing, fishing, group campsites (6)	Section 32, South Branch Township
Rainbow Bend Forest Campground	6 campsites, canoeing, fishing, canoe access, canoe group camping sites	Section 3, South Branch Township
Walsh Road Equestrian Campground	Horseback riding, large group use area available by permit only,(7) sites	SW1/4 of Lovells NE, off Walsh Rd. north of East Townline Road
White Pine State Forest Canoe Camp	Open area campsite, canoe access only, fishing, wildlife viewing	Section 7, South Branch Township



Private Campgrounds in Crawford County

Table 6.10

PRIVATE RECREATIONAL CAMPGROUNDS		
Facility	Amenities	Location
River Park Campgrounds		Grayling Township
Timberly Village Campground & Mobile Home Park		City of Grayling
Happi Days Campground and Diner		Frederic, Frederic Township
The Trails Campground	63 Campsites	Frederic, Frederic Township
Yogi Bear's Jellystone Campground	218 Campsites	Grayling Township
Sno-Trac Village	60 campsites, 10 mobile homes, snowmobiling	Lovells, Lovells Township
Headwaters Camping and Cabins		Waters, Maple Forest Township
Whispering Pines	Campgrounds, Cabins and Showers	Frederic Township

Trails in Crawford County

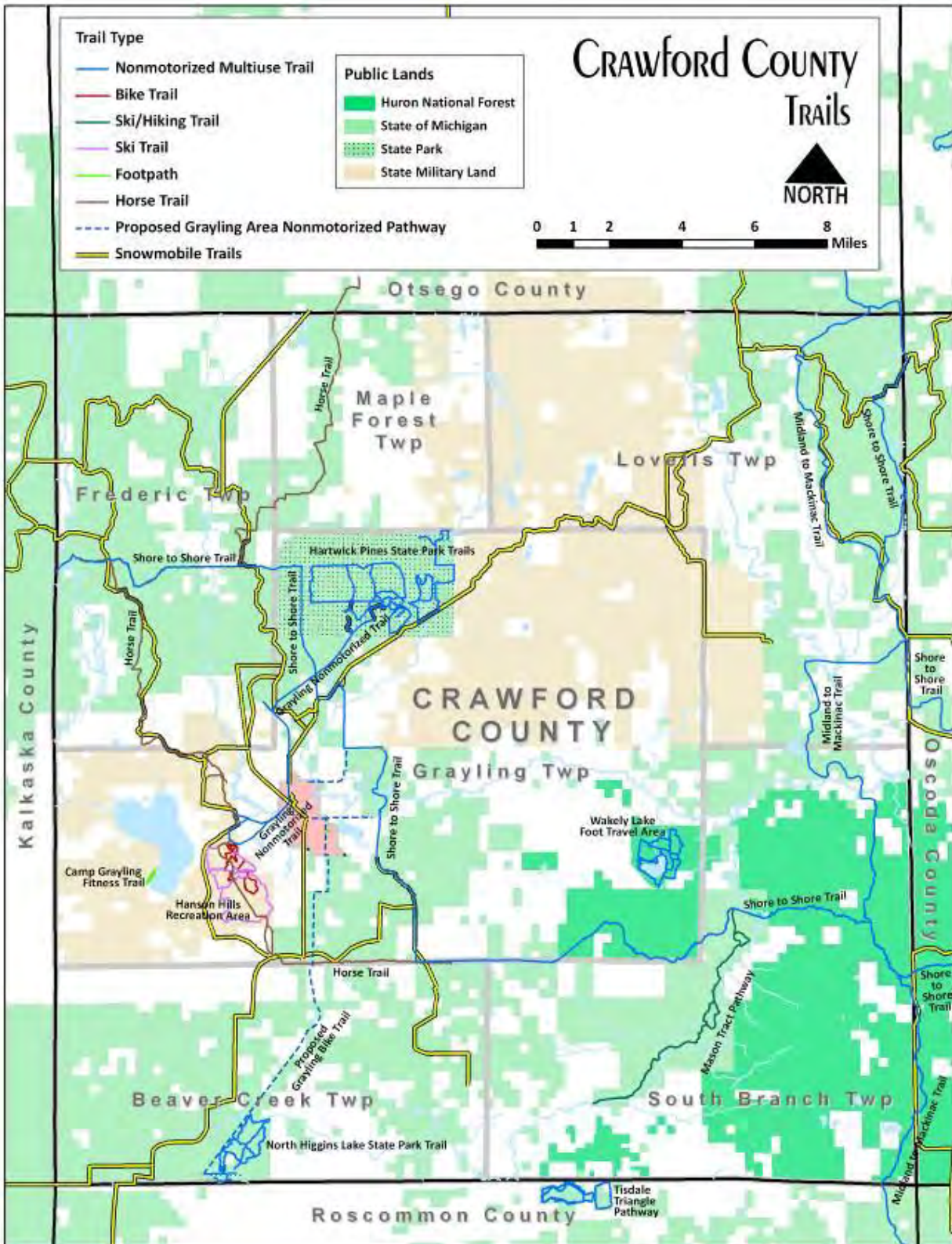
Table 6.11

RECREATION TRAILS		
Trail	Description	Location
MULTI-USE TRAILS		
Mason Tract Trail	Point to point hiking and cross country skiing trail along the South Branch AuSable River	Between Chase Bridge and M-72, 14 miles east of Grayling
Michigan Shore to Shore Hiking and Riding Trail	Point to point trail hiking and riding trail from Lake Huron to Lake Michigan	Parallels M-72, South Branch Twp.
Midland to Mackinac Hiking Trail	Point to point hiking and backpacking trail that extends from Midland to Mackinac City	Parallels F97, South Branch Twp.
Hanson Hills Trails	Skiing, biking, hiking	Hanson Hills Recreation Area
Hartwick Pines	Skiing, biking, hiking	Hartwick Pines State Park
Grayling Non-motorized Pathway (<i>Grayling Bicycle Turnpike</i>)	Biking, walking, running	
Wakeley Lake Trail	Skiing, hiking	National Forest Service System

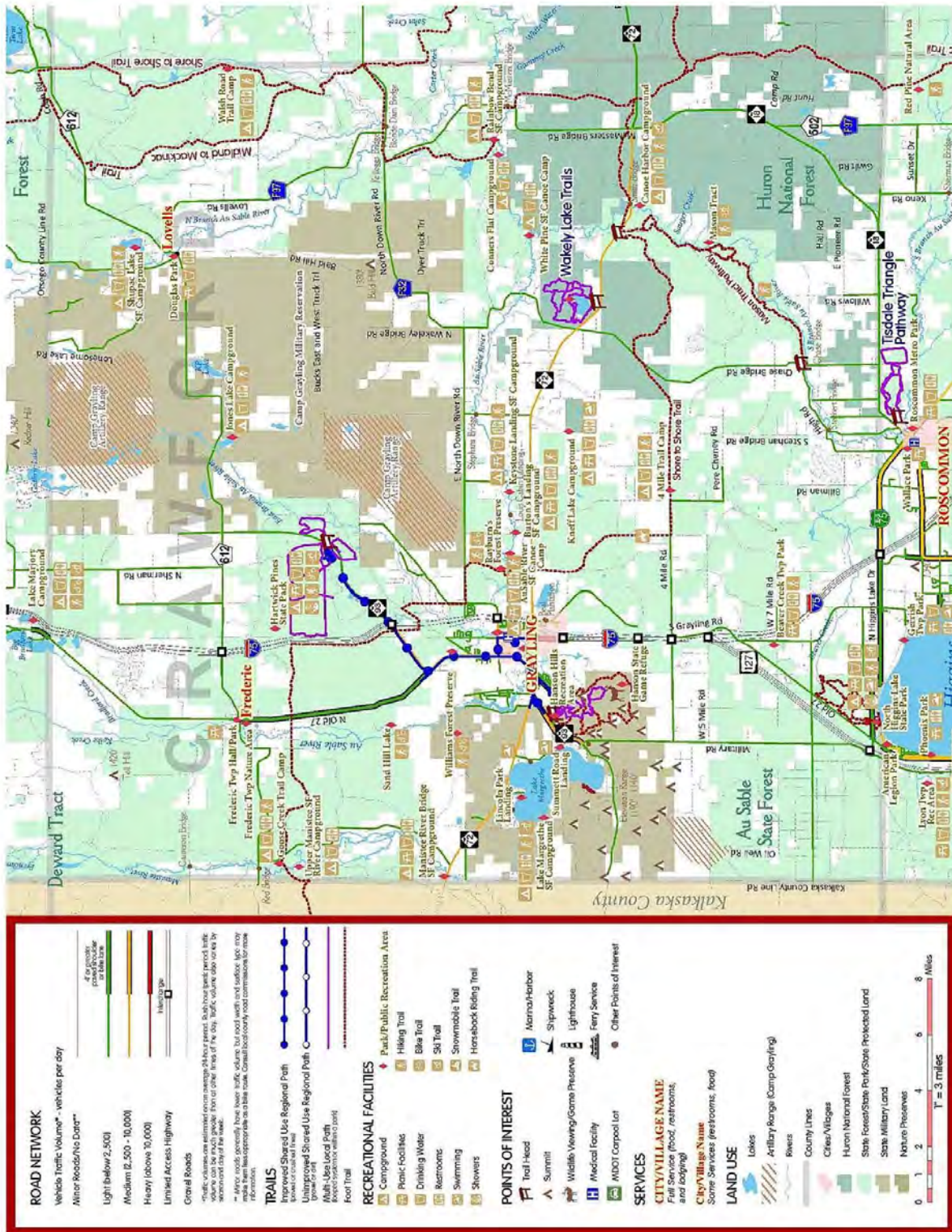
Trails

Table 6.11-cont'd

ORV TRAILS		
Cycle Conservation Club ORV Trail	Motorized off road vehicle trail	Pioneer Rd, to South of Hunters Trail in Beaver Creek Twp.
West Higgins ATV Trail	Motorized off road vehicle Trail	South of Hunters Trail in Beaver Creek Twp.
The Meadows ORV Trail	Motorized off road vehicle trail	Pioneer Road, South Branch Twp.
Frederic ORV Loop	Motorized off road vehicle Trail	Frederic Twp.
Frederic ORV Route	Motorized off road vehicle Trail	Batterson Road to M 93along N Old 27
SNOWMOBILE TRAILS		
Trail #4	Snowmobile Trail	Lovells Twp.
Trail #7	Snowmobile Trail	Frederic to Beaver Creek
Trail #9	Snowmobile Trail	Meridian Road at east boundary of South Branch Twp.
Trail # 47	Snowmobile Trail	Grayling to Lovells
Trail #79	Snowmobile Trail	M-72 to Kalkaska Co.
Trail #409	Snowmobile Trail	Lovells Twp. to Oscoda Co.
Trail #482	Snowmobile Trail	4 Mile Road to Grayling along I-75 Corridor
Trail #487	Snowmobile Trail	South east corner of Grayling Twp.
Trail #489	Snowmobile Trail	Beaver Creek Twp



Bike Trails (excerpt Northeast Region Road and Trail Bicycle Guide-3rd edition—used with permission)



Boat/Fishing Access Sites in Crawford County**Table 6.12**

Recreational Boat Access Sites in Crawford County		
Access site	Amenities	Location
Bluegill Lake	15 parking spaces, toilets	Maple Forest Township
Bright Lake	15 parking spaces, toilets, Fishing pier, Recreation Passport required	Hartwick Pines State Park
Chase Bridge	10 parking spaces, toilets	Chase Bridge Rd, South Branch Twp.
Conner Flats	6 parking spaces, toilets	Connors Flats Rd. Grayling SE
Glory Lake	15 parking spaces, toilets, fishing pier, Recreation Passport required	Hartwick Pines State Park
Guthrie Lake	3 parking spaces, toilets	Maple Forest Township
High Banks	15 parking spaces, toilets	
Horseshoe Lake	5 parking spaces	Maple Forest Township
KP Lake	5 parking spaces, toilets	KP Lake Rd, Lovells NW
Lake Margrethe	30 parking spaces Recreation Passport required	Via McIntyres Landing Rd, Grayling SW
McMasters Bridge	10 parking spaces, toilets	McMaster's Bridge Rd, South Branch Twp.
Meads Landing	10 parking spaces, toilets	Steckert Bridge Rd, South Branch Twp.
Section One Lake	4 parking spaces, toilets	Maple Forest Township
Sheep Pasture	20 parking spaces, toilets	Lovells Rd., Lovells SE
Smith Bridge	12 parking spaces, toilets	M-72 and Smiths Bridge Rd., South Branch Twp.
South Branch AuSable River Fishing Access	Multiple points of fishing access to the South Branch AuSable River	South Branch Rd, South Branch Township
Steckert Bridge	6 parking spaces, toilets	Steckert Bridge Rd, South Branch Twp.
Stephans Bridge	15 parking spaces, toilets	

Canoe Liveries in Crawford County**Table 6.13**

Canoe Liveries	
Borcher's AuSable Canoeing	AuSable River, Grayling
Jim's Canoe Livery	Ausable River, Grayling
Long's Canoe Livery	Manistee River, Frederic Township
Penrod's	AuSable River, Grayling
Carlisle Canoe Livery	AuSable River, Grayling
Shel-Haven Canoe Rental	Manistee River, Frederic Township

Privately Owned Recreational Public Facilities

In addition to the above listed recreational opportunities, Crawford County is host to a number of other private recreational facilities including a bowling alley, boys and girls camps, golf courses, miniature golf, marina, shooting range and senior center. Crawford County also has numerous resorts, cabins and motels that are utilized by fishermen, hunters and other sports enthusiasts for overnight accommodations. Most of these facilities are located in and around the Grayling and Frederic area.

Regional Recreational Opportunities

The amounts and types of recreation opportunities, which are available in neighboring counties, are highly variable. All neighboring counties have an ample supply of state and/or federal lands, much of which can be used for recreational activities, including hunting, fishing, hiking, wildlife viewing, etc.

The closest neighboring community to the major population of Crawford County is Roscommon (Roscommon County). Roscommon has a variety of recreational facilities including a community recreation/fitness center. They also have an outdoor ice rink, a soccer field and tennis courts. Roscommon is approximately 15 miles from Grayling. Higgins Lake and Houghton Lake both provide recreational water opportunities.

To the north, Gaylord (Otsego County) has several recreational facilities that are open to the public. The Sportsplex offers an indoor ice rink and swimming pool. There are several ski lodges, groomed cross country ski trails, golf courses, a bowling alley and theatre complex. The travel distance from Gaylord to areas in Crawford County vary from about 20 minutes to close to one hour.

Oscoda County, to the east, is a very rural county with few recreational facilities beyond state and federal lands and campgrounds and the AuSable River. The area does offer a major golf/cross country ski resort. The travel distance from Crawford County to Oscoda County ranges from 30 minutes to more than one hour.

Kalkaska County is located to the west of Crawford County. Located within the City of Kalkaska are a variety of recreational opportunities. The area has a roller skating rink, an archery course and a sportsplex called "Kaliseum". They also have an assortment of sports teams such as Little League, soccer and softball. Kalkaska is a 30 minute drive from Grayling, but is over an hour from other portions of the county.

Planning Process

The planning process for the Master Plan and Recreation Plan update began in the fall of 2013, when it was decided that the Recreation Plan would be updated and incorporated into the Crawford County 2014 Master Plan update. The planning process included a series of meetings with the County Planning commission with representation from each of the Townships, the School District and the County Board of Commissioners. Additionally, a group of recreation stakeholders representing diverse cross-section of recreational interests were identified and involved to provide input throughout the process. Advertised public meetings for recreation input were held during the plan preparation process. Each township also provided input regarding recreation in their jurisdiction. A copy of the draft recreation section as well as the entire draft Master Plan were made available for public review and comment for over two months prior to a public hearing on June 4, 2014. Copies of the meeting notices, sign-in sheets and minutes are provided in Appendix A.

Goals and Objectives

In the review of past goals and recent input, the following overall goal and component goals were developed and apply at both the County level and the Township level.

Recreation and Public Lands Goal

GENERAL OVERALL GOAL:

Preserve and improve access to public lands and water, recreation trails, public parks and recreation facilities for the safe enjoyment by residents, visitors, and future generations.

ADDITIONAL COMPONENT GOALS:

- 1. Pursue improvements to recreational opportunities within Crawford County.***
- 2. Ensure public recreational facilities and activities are open and accessible to all.***
- 3. Work cooperatively with appropriate agencies and units of government to develop and maintain an extensive network of trails and the necessary support facilities for each, including hiking, biking, horseback riding, x-c skiing, snowmobiling, and ORV.***
- 4. Work cooperatively with appropriate agencies and units of government to establish and maintain access sites for canoe/kayak use and fishing access, and promote the local water trails.***
- 5. Work cooperatively to promote recreational opportunities in the area and the related economic benefits for the region, including providing support for the Trail Town initiative.***

Crawford County - Recreation Goals & Objectives

Goal 1. Renovate the Grayling Fish Hatchery Building and maintain the grounds.

Objectives:

- a. Procure the funding necessary to renovate the interior of the hatchery so that it can be used by and for the community.
- b. Maintain and improve the exterior of the building and the grounds as funding becomes available.
- c. Create and maintain a walking trail through the property and onward to M – 72 East.
- d. Replace the current foot bridge over the AuSable River as part of the walking path/trail.
- e. Develop the balance of the property in such a manner that allows for the natural beauty to be enjoyed by all through nature trails, parks, etc.
- f. Work with Huron Pines to develop a fish passage in order to reconnect 28 miles of the East Branch of the AuSable River for fish travel.

Goal 2. Develop the Crawford County Sports Complex so that it becomes a one-stop shopping for recreational sports in Crawford County.

Objectives:

- a. Build up to six additional soccer fields (two soccer fields have been completed) along the northern boundary of the property.
- b. Build a series of baseball/softball fields to accommodate all levels of little league activities.
- c. Design, build and maintain a network of roads throughout the complex that maximizes safe and efficient traffic flow patterns.
- d. Create the necessary parking areas so that all events may be effectively accommodated.
- e. Design and build a facility to handle all concession needs for any and all programs that are being held on the site.
- f. Design and build ADA accessible restrooms for the needs of all patrons on the site.
- g. Design and build a walking path system throughout the complex for access to various facilities and exercise.
- h. Conduct a feasibility study to establish the viability of a Crawford Community Center.

Goal 3. Develop, maintain and improve the Wakeley Landing Property.

Objectives:

- a. Maintain current access for canoeists and anglers on the property.
- b. Develop better opportunities throughout the property to accentuate the experience for canoeists and anglers.

Goal 4. Continue to expand on the non-motorized trail system within the County.

Objectives: Develop and build the following trails:

- a. Au Sable River Water/Bike Trail from Grayling to Oscoda
- b. Grayling Connector to North Higgins State Park thus connecting with Hartwick Pines
- c. Rayburn Property Loop North Down River Road/M-72 East
- d. Riverside Trail from Downtown to Fish Hatchery/Township Park
- e. West M-72, north side of M-72, to Old Dam Party Store then to AuSable Trail
- f. Walk-under for Downtown Bridge
- g. Extended shoulders from Frederic to Waters
- h. Connect Camp Grayling/M-93 to North Higgins State Park
- i. M-72 West to Manistee River Road to 612 and East to Frederic
- j. CR 612 East to F-97 south to North Down River Road
- k. Sherman Road North to Marlett Road west into Waters

- l. Extend shoulders on M-72 East to Wakeley Lake and Mason Tract
 - m. Separate trail extending from High School to Frederic
 - n. Extended shoulder on CR 612 from Frederic around to Hartwick Pines Entrance
 - o. Separate Bridge crossing I-75 servicing Hartwick Pines Trail segments
 - p. Trailhead parking at beginning of Grayling Bicycle Turnpike/North Down River
 - q. Extended shoulders on North Down River Road
 - r. Sidewalk connecting Ramada/Days Inn to Golf Course sidewalk
 - s. Separate pathway, McIntyre's Landing to M-93
 - t. Sidewalk connecting sports complex to city sidewalk system
- Goal 5. Work with the City of Grayling, Townships, Michigan DNR and the U.S. Forest Service to support implementation of the Trail Town Master Plan.

Objectives:

- a. Address all types of trail systems in the Trail Town Initiative including hiking trails, paved bike trails, off-road bike trails, ski trails, snowshoe trails, fat bike trails, ORV trails, snowmobile trails and water trails.
- b. Improve connectivity of all trail systems to the City of Grayling and other key areas of the County.
- c. Improve trail signage.
- d. Make information about Crawford County trails systems readily available.
- e. Address the issue of maintaining public walkways during the winter months.
- f. Promote the "trail-friendly" nature of the County.

Grayling Recreation Authority - Recreation Goals & Objectives

- Goal 1. Pursue improvements to recreational opportunities that are not currently available within the county.

Objectives

- a. Expand recreational facilities within Hanson Hill Recreation Area.
- b. Upgrade the winter sports equipment and facilities.
- c. Continue to maintain and enhance the physical appearance of the park.
- d. Continue to add to recreational trail system for all season activities.

- Goal 2. Ensure county sponsored recreational facilities and activities are open and accessible to all members of the public, regardless of age, race, handicap, etc.

Objectives

- a. New construction will meet barrier free accessibility requirements for parks.

- Goal 3. Facilitate parks and recreation services within Crawford County.

Objectives

- a. Lead update of the County-wide five year recreation plan.

Beaver Creek Township - Recreation Goals & Objectives

Goal 1. Pursue improvements to recreational opportunities that are not currently available within the township.

Objectives

- a. Expand recreational facilities within the township including adding new playground equipment.
- b. Construct pavilions on township park property.
- c. Add lighting to ball field at township hall property.
- d. Continue to maintain and enhance the physical appearance of the park.

Goal 2. Ensure township sponsored recreational facilities and activities are open and accessible to all members of the public, regardless of age, race, handicap, etc.

Objectives

- a. Construct shuffleboard court under pavilion to allow by all ages regardless of weather.
- b. New construction will meet barrier free accessibility requirements for parks.

Grayling Township - Recreation Goals & Objectives

Goal 1. Pursue improvements to recreational opportunities that are not currently available within the township.

Objectives

- a. Expand recreational facilities within the township.
- b. Construct two fishing and viewing decks.
- c. Provide additional benches and picnic tables.
- d. Expand disc golf course

Goal 2. Ensure township sponsored recreational facilities and activities are open and accessible to all members of the public, regardless of age, race, handicap, etc.

Objectives

- a. Construct fishing site to be handicap accessible.
- b. Paving the parking lot and trails will help make the park barrier free.
- c. New construction will meet barrier free accessibility requirements for parks.
- d. Discuss potential to establish a Township Park with boat launch and dockage on Lake Margrethe.

Lovells Township - Recreation Goals & Objectives

Goal 1. Pursue improvements to recreational opportunities that are not currently available within the township.

Objectives

- a. Expand recreational property within the township.
- b. Construct a concrete and dirt multi-purpose courts on township park property.
- c. Develop walking/jogging trail around Township Park.

Goal 2. Ensure township sponsored recreational facilities and activities are open and accessible to all members of the public, regardless of age, race, handicap, etc.

Objectives

- a. Encourage participation in township sponsored recreation activities.
- b. New construction will meet barrier free accessibility requirements for parks.

South Branch Township - Recreation Goals & Objectives

- Goal 1. Maintain township trails (hiking, cross country skiing, snowmobile) and assure that canoe/fishing access sites are maintained in an appropriate manner.

Objectives

- a. Work with the DNR, USFS and the Friends of the Mason Tract to ensure the trails are adequately maintained by the appropriate governmental unit or volunteer group.
- b. Work with the DNR, USFS and the Friends of the Mason Tract to ensure that water and fishing access sites are adequately maintained.
- c. Work with the DNR and the Friends of the Mason Tract to improve Mason Tract signage through the installation of permanent maps at all points of interests.
- d. Work with the DNR and the Friends of the Mason Tract to continue winter cross country ski trail grooming on the Mason Tract trail system.
- e. Work with the DNR and the Friends of the Mason Tract to reroute the Thayer Creek loop of the Mason Tract trail system

- Goal 2. Pursue improvements to recreational opportunities which are not currently available within the township.

Objectives

- a. Expand recreational facilities within the township.
- b. Construct a picnic area on township hall property.

- Goal 3. Ensure township sponsored recreational facilities and activities are open and accessible to all members of the public, regardless of age, race, handicap, etc.

Objectives

- a. Work with the DNR and the Friends of the Mason Tract to Improve canoe/kayak ingress/egress at the Mason Tract Durant's Castle canoe landing.
- b. New construction will meet barrier free accessibility requirements for parks.

Action Program

The following action program is presented by jurisdiction including the proposed projects and rationale for each. These lists were developed by each jurisdiction in consideration of input received from the Recreation Stakeholders group and other public input received. The public input summaries are presented in Appendix A.

CRAWFORD COUNTY CAPITAL IMPROVEMENTS SCHEDULE					Table 6.14
Project #	Year	Project	Est. Cost	Funding Source(s)	Priority
1	2009-20	Renovate the Fish Hatchery Building	\$1,500,000	DNR, Local & Private	High
2	2010-16	Replace foot bridge over the East Branch of the AuSable River behind the hospital	\$5,000	DNR, Local & Private	Low
3	2010-20	Construct Soccer Fields	\$50,000	DNR, Local & Private	Medium
4	2010-20	Construct Baseball/Softball fields	\$200,000	DNR, Local & Private	Medium
5	2010-25	Construct Paved Roads through sports complex	\$500,000	DNR, Local & Private	Medium
6	2010-25	Construct paved parking areas @ sports complex	\$250,000	DNR, Local & Private	Low
7	2010-20	Construct Concession Stand @ sports complex	\$25,000	DNR, Local & Private	Medium
8	2010-20	Construct Public Restrooms @ sports complex	\$50,000	DNR, Local & Private	High
9	2014-20	Construct walking path system @sports complex	\$100,000	DNR, Local & Private	Medium
10	2010-30	Au Sable River Water/Bike Trail from Grayling to Oscoda	Unknown	DNR, Local & Private	Medium
11	2010-30	Grayling Connector to North Higgins State Park thus connecting with Hartwick Pines	Unknown	DNR, Local & Private	Medium
12	2010-30	Rayburn Property Loop North Down River/M-72 East	Unknown	DNR, Local & Private	Medium
13	2010-30	Riverside Trail from Downtown to Fish Hatchery/Township Park	Unknown	DNR, Local & Private	Medium
14	2010-30	West M-72 north side of M-72 to Old Dam Party Store then to AuSable Trail	Unknown	DNR, Local & Private	Medium
15	2010-30	Walk-under for Downtown Bridge	Unknown	DNR, Local & Private	Medium
16	2010-30	Extended shoulders from Frederic to Waters	Unknown	DNR, Local & Private	Medium

17	2010-30	Connect Camp Grayling/M-93 to North Higgins State Park	Unknown	DNR, Local & Private	Medium
18	2010-30	M-72 West to Manistee River Road to CR612 and East to Frederic	Unknown	DNR, Local & Private	Medium
19	2010-30	CR612 East to F97 south to North Down River Road	Unknown	DNR, Local & Private	Medium
20	2010-30	Sherman Road North to Marlett Road west into Waters	Unknown	DNR, Local & Private	Medium
21	2010-30	Extend shoulders on M-72 East to Wakeley Lake and Mason Tract	Unknown	DNR, Local & Private	Medium
22	2010-30	Separate trail extending from High School to Frederic	Unknown	DNR, Local & Private	Medium
23	2010-30	Extended shoulder on CR 612 from Frederic around to Hartwick Pines Entrance	Unknown	DNR, Local & Private	Medium
24	2010-30	Separate bridge crossing I-75 servicing Hartwick Pines Trail segments	Unknown	DNR, Local & Private	Medium
25	2010-30	Trailhead parking at beginning of Grayling Bicycle Turnpike/North Down River	Unknown	DNR, Local & Private	Medium
26	2010-30	Extended shoulders on North Down River Road	Unknown	DNR, Local & Private	Medium
27	2010-30	Sidewalk connecting Ramada/Days Inn to Golf Course sidewalk	Unknown	DNR, Local & Private	Medium
28	2010-30	Separate pathway, McIntyre's Landing to M-93	Unknown	DNR, Local & Private	Medium
29	2010-30	Sidewalk connecting sports complex to city sidewalk system	Unknown	DNR, Local & Private	Medium
30	2014-30	Improve connectivity of ORV and snowmobile trails to the City of Grayling and key points in the County	Unknown	DNR, Local & Private	Medium
31	2014-30	Improve trail signage for all trails (motorized, non-motorized, ski trails, snowshoe and water trails)	Unknown	DNR, Local & Private	High
32	2014-30	Improve trailhead amenities	Unknown	DNR, Local & Private	Medium
33	2014-16	Maintain public walkways during winter months	Unknown	Local, Private	High

Crawford County Rationale

Project #	Justification	Table 6.15
1	Completes a long standing project and allows a historical site to be used by the community	
2	Current bridge is in disrepair and needs to be replaced for safety reasons	
3	New soccer fields will provide a recreational asset to the community and align themselves in the same location as other recreational sports facilities	
4	New baseball/softball fields will provide a recreational asset to the community and align themselves in the same location as other recreational sports facilities	
5	Paved roadways will provide a more finished complex along with protecting the adjoining assets of the complex	
6	Paved roadways will provide a more finished complex along with protecting the adjoining assets of the complex	
7	One concession facility to serve all organizations and events would be efficient and economical	
8	Restrooms will be a priority with the amount of pedestrian traffic by participants and spectators visiting the sports complex	
9	Improve access to sports complex facilities and provide a safe environment for exercise	
10	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors	
11	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors	
12	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors	
13	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors	
14	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors	
15	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors	
16	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors	

17	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors
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24	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors
25	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors
27	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors
28	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors
29	Improvement and expansion of the existing trail system only enhances our community to its residents and visitors
30	Improvement in access to local facilities and business to improve the trail-friendly nature of the County
31	Improvement in the user-friendly nature and safety of the County trail systems
32	Improvement in the user-friendly nature and safety of the County trail systems
33	Improve safety of public walkways during the winter months

Crawford County Basis for Action

Of the 360,000 acres in Crawford County, almost 70% of it is publicly owned. Many of the more than 14,000 people that live in this community do so because of the abundance of public land. Certainly, many of the visitors to Crawford County throughout the year are here for that very reason. It is for this purpose that the County must make the most of our recreational activities. The more the County improves its recreational activities for those that live here and those that visit, the more it will grow as a community, economically & culturally. Crawford County already boasts many hunting and fishing opportunities. However, for its size, the County also has excellent non-motorized trail opportunities to go along with canoeing, hiking, skiing, snowshoeing and biking excursions waiting to be experienced. There exists a county-wide voted millage to preserve and enhance the prospects of our recreational challenges.

Hatchery

The old Grayling Fish Hatchery has been a source of pride and nostalgia for many residents over the years. Deeded to the County under a public use deed, it was operated by the Grayling Recreational Authority as a fund raiser for many summers. Recently the Grayling Fish Hatchery operation was taken over by a private contractor under the agreement that it remain open to the public. Over the last ten years, grant dollars have been secured to reconstruct the raceways, enhance the grounds, create a children's fishing pond along with a storm water retention pond. The building has had its roof replaced, the cupola restored and the exterior completely painted. It is now in need of a complete interior restoration. Once complete, the building could be utilized by a public agency, community service agency or historical preservation group. It could also potentially be converted to a museum of area history. In any event, the once abandoned and dilapidated building would regain its past luster and become a center of community activity once again.

The fish hatchery grounds provide even more opportunities for trips through nature. There are occasional trails that follow the river up until the foot bridge. There are limitless opportunities to expand these trails on site and connect with other trails leading to various points of interest in the County. The fish hatchery grounds also have a dam to maintain water levels in the fish hatchery races. Construction of a fish ladder around the dam will reconnect 28 miles of the East Branch of the AuSable River to the lower river habitat.

Sports Complex

Years ago, this parcel was deeded to the County by the State in order to allow the community a place to hold its county fair. As time passed and interest waned in the fair, the property began to be used as a center for sporting events, such as football, mud bogs and equestrian activities. Although open and utilized by the community, the Crawford County Board of Commissioners has recognized the potential for this site to be a "one-stop-shopping" for community sporting events that are not sponsored by the public school system. The vision for this site would be to host the bulk of the community sporting leagues such as football, soccer, baseball, etc. as well as a place for safe walking/running. We believe, if designed well, the various groups could capitalize on the economies of scale that occur when the organizations share one large site.

Wakeley Landing

This is a relatively small parcel on the mainstream of the AuSable that is used frequently by canoeists and anglers alike. The County maintains this site in a somewhat rustic fashion but the site could easily be made to be more accommodating in the future for the benefit of all.

Motorized and Non-Motorized Trails

Crawford County currently enjoys a host of hiking, biking, cross country skiing, snowshoeing, ORV, snowmobile, and water trails. In addition the City of Grayling has sidewalks on virtually every city street that allows numerous people to walk wherever they would like in our community. That said, opportunities still exists for new trails and improvements to existing trail systems. The City of Grayling has developed a Trail Town Master Plan to further enhance these recreation resources. The Trail Town Initiative is intended to meet the needs of the trail users by providing: 1) physical amenities that support trail users such as signage, trail information, wide sidewalks, drinking fountains, and benches, and 2) business amenities to support day-trip and overnight trail users such as a bike shop, kayak outfitter, ice-cream shop, hotels and restaurants.

GRAYLING RECREATION AUTHORITY CAPITAL IMPROVEMENTS SCHEDULE					Table 6.16
Project #	Year	Project	Est. Cost	Funding Source(s)	
1	2014	Nordic Trail Groomer/Snowmobile	15,000	Local, Private Foundation	
2	2014	Snow Making Guns(Upgrades)	\$40,000	DNR, Local, Private Foundation	
3	2014	Installation of Tubing Hill Lift, Electrical and Snowmaking	\$75,000	DNR, Local, Private Foundation	
4	2014	Construction of Outdoor Pavilion (Little Smokey Site)	\$12,000	DNR, Local, Private Foundation	
5	2014	Replacement of Fire Suppression System in Main Lodge Kitchen	\$7,000	DNR, Local, Private Foundation	
6	2015	Industrial Mower	\$9,000	DNR, Local, Private Foundation	
7	2015	Purchase of New/Used ¾ ton Truck with snowplow	\$15,000	DNR, Local, Private Foundation	
8	2015	Winter Sports Rental Equipment	\$30,000	DNR, Local, Private Foundation	
9	2016	Terrain Park Obstacles/Equipment	\$6,000	DNR, Local, Private Foundation	
10	2016	PDGA and Pine Knoll Disc Golf Course Expansion	\$20,000	DNR, Local, Private Foundation	

11	2017	Replacement of Siding, Windows and Doors on Main Lodge Facility	\$100,000	Local, Private Foundation
12	2017	Snowmobile (Ski Patrol)	\$12,000	DNR, Local, Private Foundation
13	2018	Lighted Ski/Walking Trail	\$10,000	DNR, Local, Private Foundation
14	2018	Lights for Softball Field	\$30,000	DNR, Local, Private Foundation
15	2019	Bridge to island and docks for pond	\$5,000	DNR, Local, Private Foundation
16	2019	Multi-Purpose Bathroom Facility	\$65,000	DNR, Local, Private Foundation
17	2019	Athletic Field Expansion	\$30,000	DNR, Local, Private Foundation
18	2019	Purchase of New/Used Downhill Groomer	\$80,000	DNR, Local, Private Foundation

Grayling Recreation Authority Rationale

Project #	Justification	Table 6.17
1	A snowmobile will increase the efficiency and labor spent on trail grooming.	
2	Additional Snowmaking guns will insure that ski runs have adequate amounts of snow coverage for the safety of the participants.	
3	The installation of a second lift and electrical and water for snowmaking capability will allow a greater volume of customers to enjoy tubing activities.	
4	A multi-purpose pavilion will allow for more public/family events and allow participants to have shelter from the elements.	
5	The installation of a Cooking Hood Fire Suppression System at Hanson Hills Recreation Area's Main Lodge Building, to prevent potential personal injury, and prevent loss or significant damage to kitchen equipment and/or Lodge Building.	
6	An industrial mower will allow for efficient mowing of grounds and athletic fields.	
7	The purchase of a new/used Plow Truck will allow for efficient snow removal processes and will help reduce costly repairs of older equipment.	
8	The availability of winter sports rental equipment is needed service to the customers.	
9	Terrain Park obstacles will allow participants a variety of different technical challenges and to practice freestyle skills.	
10	The expansion of Disc Golf Courses will allow for increased participation and provide an ideal tournament destination.	
11	The replacement of siding, windows and doors on the Main Lodge facility will help to increase the heating efficiency, outside aesthetics, decrease the cost of repairs/maintenance and detour nesting bats.	
12	A snowmobile will increase the efficiency and response time for the ski patrol.	
13	Lighting the Nordic ski trails and the walking trail will allow for night use by residents/visitors who cannot use them at other times.	
14	Lighting the Softball field will allow for league expansion.	
15	Bridge and docks will allow participants better access for fishing & recreational purposes.	
16	The construction of new outdoor bathroom will allow GRA to create a barrier free facility.	
17	The expansion of athletic fields will allow for more adult sports leagues and children's programs.	
18	The purchase of a new/used Downhill Groomer will allow for efficient Grooming Practices and will help to reduce costly repairs of older equipment.	

BEAVER CREEK TOWNSHIP CAPITAL IMPROVEMENTS SCHEDULE			Table 6.18
Project #	Project	Est. Cost	Funding Source (s)
1	Resurface Basket Ball and Tennis Courts	\$ 20,000	DNR, Donations
2	Replace Fence & Gate at Pere Cheney Cemetery	\$ {TBD}	DNR, Donations
3	Landscaping and transplanting trees	\$ 5,000	Volunteers, Local
4	Rebuild Baseball Field and add Irrigation well and system	\$ 35,000	DNR, Local, Private Donations

Beaver Creek Township Rationale

Project #	Justification	Table 6.19
1	The existing playground equipment has served the community well since it was installed in 1992 and is still in good condition with the exception of the Basket Ball and Tennis Courts. With the other improvements being made to the park, adding and updating the playgrounds now becomes one of the top priorities.	
2	The fence and gate at Pere Cheney Cemetery is very old, broken down and nearly non-existent. It needs to be replaced.	
3	Landscaping and the addition of transplanted trees would greatly enhance the park's appearance as we have lost our beautiful trees to oak wilt disease. Improvements of this nature could be incorporated with other projects; they could also be facilitated by volunteers similar to what we have experienced in the past.	
4	The Beaver Creek Park is located on the type of soil that does not retain water. In order to rebuild and maintain our baseball field, the addition of irrigation well and system would keep the park useable through the entire summer season. The Baseball field has been neglected for several years, due to lack of funding. The infield has turned to grass, the outfield to weeds, making it unusable.	

Beaver Creek Township Basis for Action

The above project list is not in any particular order, as far as priorities are concerned. The availability of funding, requests from all sources in the community and new ideas or needs not included in the list could change both the order and add new projects to the schedule. Additions are not our main priority we want to maintain the park and equipment we have.

There are 1,736 people living in Beaver Creek Township. The demographics of Beaver Creek Township indicate that a large majority (71.5%) of the Township exists as family households. While 187 households have children under the age of 18, there are 246 households that have individuals over the age of 65. Over half of the township residents are between the ages of 25-64. Also, there are estimated to be 432 disabled residents in Beaver Creek Township. Due to the large number of residents who are able to pursue active recreation as well as the high number of households with children and disabled persons, Beaver Creek Township must plan recreational facilities that will appeal to a wide variety of people. In addition, with the median income of the Township being \$44,185, recreation must be fairly affordable.

Beaver Creek Township has no staff for recreational activities. Township recreation is handled by the Township Board.

Due to the fact that there are more developed recreational facilities and more cultural opportunities in the nearby City of Grayling Beaver Creek Township intends to capitalize on its natural assets to fulfill the needs of the Township. Therefore, Beaver Creek Township intends to develop its outdoor recreation to suit the needs of differing age groups, income levels, and physical abilities of Township residents and visitors.

Township Hall and Park

Beaver Creek Township plans to make major improvements to its township park since this is the only recreational property that the township owns. Park improvements are important to the township. As funding is secured, the township's intent is to continue to make improvements so that it will offer all residents recreational opportunities.

The Township's plan for development include additional pavilions, new playground equipment, shuffleboard courts, additional pavilions, lighting, and paving, landscaping and additional trails and parking.

GRAYLING TOWNSHIP CAPITAL IMPROVEMENTS SCHEDULE

Table 6.20

Project #	Year	Project	Est. Cost	Funding Source(s)	Priority
1	2015	Install pedestrian bridge across river and extend trail to pedestrian and bicyclists to access the park away from the heavy traffic on North Down River Road.	\$12,000	Local	1
2	2016	Build two 12' X 40' decks on the east side of the river for fishing and sitting.	\$10,000	Local, DNR	2
3	2017	Provide more picnic tables, benches and trash containers along the hiking trails.	\$5,000	Local	3
4	2018	Pave entry road, parking lot and hiking trails	\$20,000	Local, DNR	4

Grayling Township Rationale

Project #	Justification	Table 6.21
1	North Down River Road is extremely busy and poses potential danger for residents to cross over into the park. This will make the park more accessible for young and old alike and encourage non-motorized travel.	
2	The decks will allow for ADA access for fishing and viewing of the river. All residents will benefit from the addition of the decks to enjoy the river.	
3	As the park trails become more utilized, it will be important to offer easy disposal of waste to help maintain the parks clean nature. The benches and tables will allow multi-generations to use the trail, while providing resting opportunities.	
4	Paving the parking lot and trails will make it easier for handicapped citizens to use the park. Paving the trails will also allow for the easier use of skates, rollerblades and bicycles. This will enable even more residents to enjoy the park.	

Grayling Township Basis for Action

There are 5,827 people living in Grayling Charter Township. The demographics of Grayling Charter Township indicate that a large majority (70.5%) of the Township exists as family households. While 623 households have children under the age of 18, there are 793 households that have individuals over the age of 65. Over half of the township residents are between the ages of 25-64. Also, there are estimated to be 1,060 disabled residents in Grayling Charter Township. Due to the large number of residents who are able to pursue active recreation as well as the high number of households with children and disabled persons, Grayling Charter Township must plan recreational facilities that will appeal to a wide variety of people. In addition, with the median income of the Township being \$42,231, recreation must be fairly affordable.

Grayling Township has one part-time staff for recreational activities. Township recreation is handled by the Township Board.

Due to the fact that there are more developed recreational facilities and more cultural opportunities in the nearby City of Grayling, Grayling Township intends to capitalize on its natural assets to fulfill the needs of the Township. Therefore, Grayling Township intends to develop its outdoor recreation to suit the needs of differing age groups, income levels, and physical abilities of Township residents and visitors.

Fish Hatchery Park Nature Park

Grayling Township plans to utilize this property to fill recreational gaps for all residents. The Township intends to develop the park property to include recreational opportunities for a variety of recreation activities and for all ages. To accommodate the increased usage, the parking lot will need to be improved. It is the townships desire to increase recreation opportunities at the park.

LOVELLS TOWNSHIP CAPITAL IMPROVEMENTS SCHEDULE				Table 6.22
Project #	Year	Project	Est. Cost	Funding Source(s)
1	15-19	Yearly maintenance	\$2,500 yearly	Township
2	15-16	Survey land	\$300	Township
3	15-16	Clear land and prepare for future installations	\$3,500	Township
4	15-16	Install drinking fountain, bike racks and benches	\$1,500	Township
5	15-16	Parking lot improvements	\$2,500	Township
6	16-17	Township sponsored recreation events	\$7,000	Township, Local, Private
7	16-17	Purchase fitness equipment	\$1000	Township
8	17-18	Multi-purpose hard surface court, basketball, etc	\$50,000	Township, Local, DNR, Private
9	17-18	Dirt/Sand court for Volleyball and horseshoes	\$4,000	Township, Local, Private
10	18-19	Field expansion for baseball, football and soccer.	\$3,500	Township, Local, DNR, Private
11	18-19	Trail/track encompassing facility	\$5,000	Township, Local, Private
12	17-19	Acquire land for future recreation development	TBD	Township, Local Foundations and DNR
13	15-19	Non-motorized trails to connect to recreation area and larger trail network	TBD	Township, Local Foundations, MDOT and DNR
14	16-19	Universally accessible River and Lake access sites for swimming, fishing and boat launch-exact locations under investigation	TBD	Township, Foundations and DNR
15	18-19	Community Center including indoor fitness equipment and potentially indoor pool	TBD	Township, Local Foundations, Private and DNR

Lovells Township Rationale

Project #	Justification	Table 6.23
1	Maintain facility on yearly basis.	
2	Have an exact map of acreage for future installations to make more recreational opportunities available to the citizens of the Township.	
3	Prepare land for future development of facility.	
4	Drinking fountain, bike racks and benches will make the facility more user-friendly for all the residents.	
5	Improve the parking facility and capacity for various uses.	

6	Encourage township participation and social activities.
7	Purchasing some sporting equipment will encourage increased use of the facilities and bike rack installation.
8	Constructions of a multi-use hard surfaced court will encourage multi-season recreation uses such as basketball, tennis, street hockey, rollerblading and ice skating for all ages.
9	Construction of a multi-use dirt court will encourage recreational uses such as volleyball, badminton, horse shoes and provide a backup court area to use to play if the hard surfaced court is in use.
10	Expansions of the current field will enable the field to be used for multi-purposes. This will encourage recreations of baseball, football and soccer.
11	Constructing a trail/track around the entire facility will serve as a facility boundary and can also encourage the recreations for a run/walk area.
12	In order to develop expand recreational opportunities in the Township, additional land will be ultimately be needed.
13	There is interest in providing non-motorized safe routes to recreational areas within the Township and also to connect to the expanding network of trails in Northern Michigan.
14	Many of the access sites on the rivers and lakes in the Township are challenging even for the spry, and given the median age of the Township residents of over 57 years of age it is increasingly important to provide access sites that utilize universal design principles to make these waterways accessible to all.
15	Given the length of winter in northern Michigan, and the above average median age, there is a strong desire to have a local indoor recreation facility. The Township Hall is scheduled for some of these uses on a limited basis, but due to meetings and hall rental fitness equipment must be hauled to and from the hall by the given groups.

Lovells Township Basis for Action

The above project list is not in any particular order, as far as priorities are concerned. The availability of funding, requests from all sources in the community and new ideas or needs not included in the list could change both the order and add new projects to the schedule.

There are 626 people living in Lovells Township. The demographics of Lovells Township indicate that a majority (59.4%) of the Township exists as family households. While 36 households have children under the age of 18, there are 147 households that have individuals over the age of 65. Just over half of the township residents are between the ages of 25-64. Also, there are estimated to be 151 disabled residents in Lovells Township. Due to the large number of residents who are able to pursue active recreation as well as the high number of households with children and disabled persons, Lovells Township must plan recreational facilities that will appeal to a wide variety of people. In addition, with the median income of the Township being \$35,769, recreation must be fairly affordable.

Due to the fact that there are more developed recreational facilities and more cultural opportunities in the nearby City of Grayling, Lovells Township intends to capitalize on its natural assets to fulfill the needs of the Township. Therefore, Lovells Township intends to develop its outdoor recreation to suit the needs of differing age groups, income levels, and physical abilities of Township residents and visitors.

Douglas Park

Lovells Township plans to utilize this property to fill recreational gaps for all residents by developing the park property to include recreational opportunities for a variety of recreation activities for all ages. The park is lacking drinking fountains, basketball, tennis, street hockey, rollerblading, shuffle board courts,

walking/jogging trails, volleyball and badminton courts. To accommodate the increased usage, the parking lot will need to be improved. It is the townships desire to increase recreation opportunities at the park.

SOUTH BRANCH TOWNSHIP CAPITAL IMPROVEMENTS SCHEDULE					Table 6.24
Project #	Year	Project	Est. Cost	Funding Source(s)	Priority
1.	2014-15	Construct township picnic area at the township hall property	\$5,000	Local, Private Donations	MED
2.	2014	Mason Tract Trail reroute (Thayer Creek Loop)	\$1,000	Local, DNR, Private Donations	HIGH
3.	Annually	Mason Tract Ski Trail Grooming	\$1,000	Local, DNR, Private Donations	HIGH
4.	2014-15	Permanent map installation at Mason Tract trail points of interests	\$2,000	Local, DNR, Private Donations	HIGH
5.	2014-15	Durant's Castle canoe landing (replace existing dock with landing to improve canoe ingress/egress)	\$20,000	Local, DNR, Private Donations	HIGH
6.	2014-15	Development of AuSable Water Trail	\$2000	DNR, USFS, Business Owners, Huron Pines	HIGH

South Branch Township Rationale

Project #	Justification	Table 6.25
1.	Provides a convenient picnic area for township residents.	
2.	Reroute required to avoid replacing a bridge that has a history of flooding due to beaver dams. All work to be done in conjunction with the MDNR.	
3.	Grooming has been suspended due to DNR funding issues. Grooming would be reinstituted through a volunteer effort of the Friends of the Mason Tract Group.	
4.	Permanent maps at all points of interest will aid hikers, hunters, skiers, fishermen and canoers in finding their way. It will also enhance emergency rescues. All work to be done in conjunction with the MDNR.	
5.	Repair work needed to address a canoe/kayak ingress/egress issue that exists due to the wide range in water depth. All work to be done in conjunction with the MDNR.	
6.	Provides emergency management number and maps at locations along the AuSable South Branch and Main Branch.	

South Branch Township Basis for Action

There are 2,007 people living in South Branch Township. The demographics of South Branch Township indicate that a majority (68.1%) of the Township exists as family households. 189 households have children under the age of 18. Over half of the township residents are between the ages of 25-64. Also, there are estimated to be 266 disabled residents in South Branch Township. Due to the large number of residents who are able to pursue active recreation as well as the high number of households with children and disabled persons, South Branch Township must plan recreational facilities that will appeal to a wide variety of people. In addition, with the median income of the Township being \$49,180, recreation must be fairly affordable.

South Branch Township has no staff for recreational activities. Township recreation is handled by the Township Board.

Due to the fact that there are more developed recreational facilities and more cultural opportunities in the nearby City of Grayling, South Branch Township intends to capitalize on its natural assets to fulfill the needs of the Township. Therefore, South Branch Township intends to develop its outdoor recreation to suit the needs of differing age groups, income levels, and physical abilities of Township residents and visitors.

Township Hall Property

South Branch Township has very little in the way of developed recreational facilities such as parks, playgrounds, ball fields, etc. South Branch Township is interested in pursuing a careful expansion of recreational facilities within the township in order to better meet the needs of its residents. Constructing a public picnic area at this location will provide a convenient picnic area for Township residents.

Trails

South Branch Township plans to use the natural assets of this area in order to provide the public access to the natural amenities. The Township has excellent access to the main branch and the south branch of the AuSable River for outdoor recreational activities. Hiking, cross country ski and snowmobiles trails have already been established and are dependent upon the MDNR and the NFS to maintain. Therefore, the Township wishes to focus on assuring that the non-motorized trails systems are adequately maintained by the appropriate unit of Government. Consistent with this desire, South Branch Township has formed a Friends of the Mason Tract group through a Memorandum of Agreement with the MDNR. This group will facilitate maintenance and improvement of the Mason Tract through the involvement of volunteers. The Friends of the Mason Tract will also pursue arrangements to groom the Mason Tract trail for cross country skiing in the winter. All work will be done in conjunction with the MDNR.

Water Access

The township has plenty of access to the AuSable River. Durant's Castle canoe dock was replaced with a handicap accessible dock. However, canoe/kayak ingress/egress is an issue due the wide range in water levels. Replacement of the dock with a canoe landing is planned to address the ingress/egress issues. The AuSable Water Trail project will provide emergency management number and maps at key points along the river for use by canoers, kayakers, and fishermen. All work will be done in conjunction with the MDNR.

Chapter 7 – Status of Planning and Zoning

Introduction

Planning and Zoning are the principal tools that local communities have to manage growth, preserve community character, protect property values and enhance the economic viability of the area. Planning helps establish and focus the desired future of the community and zoning ordinances are used as one of the primary ways to implement the community master plan and achieve the goals of the community.

The purpose of this chapter is to present the status of planning and zoning in Crawford County. It is not the intention to compare the strengths and weaknesses of zoning regulations among the various zoning ordinances, but to give a general perspective on planning and zoning in the county.

Table 7.1 presents the status of planning in Crawford County. In the county, the City of Grayling and all the townships have adopted master plans. All of the communities administer their own zoning ordinance.

Table 7.1 Crawford County Planning and Zoning Status		
Municipality	Master Plan (year adopted)	Zoning Ordinance (year of last amendment)
Beaver Creek Township	2006	2014 (update in-progress)
Frederic Township	2014	2010
Grayling Township	*	2010
Lovells Township	*	2012
Maple Forest Township	2013	2011
South Branch Township	2006	2013
City of Grayling	2008	2009
Crawford County	2009	-
* Updates in process--anticipated 2014		

Community Future Land Use Plans

A key element of the community master plan is the future land use plan. This is the culmination of the planning process that entails an analysis of existing conditions, public input and goal setting, and finally establishing the community's desired future. The community-wide future land use plan includes a map that depicts where the community envisions types and densities of development. As well, the plan may address important resource areas to protect. Accompanying text describes future land use categories, compatible uses, incompatible uses and development densities. Special issue areas may include utility service areas, roads, open space development and waterfront development. The future land use plan is a policy document designed to guide land use decisions over a given planning horizon, usually 20 years. By comparison, the zoning ordinance and zoning map is a local law that regulates how property can be developed today. See Chapter 10 for a Crawford County composite future land use map, which combines the future land use maps from each of the local jurisdictions.

Generally communities place public lands into low intensity development categories such as forest recreation, resource conservation or public lands. Most townships have identified select areas of public land for private development such as residential, commercial or industrial. Grayling Township and Beaver Creek Township have identified the largest areas of public lands for private development mostly around the West 4 Mile Road interchange and between West 4 mile and M-72. Kirtland Community College is exploring the development of a Health Sciences Campus on former State property recently transferred to the community college, located north of West 4 Mile and east of I-75. If this project is built, this area may experience associated growth such as residential and commercial/retail.

Community Zoning

With South Branch Township adopting its own ordinance in March, 2008, all zoning is administered at the local level. Tables on the following pages summarize each community's zoning districts by showing minimum lot sizes, and general uses such as residential and commercial. In natural resource and agricultural districts most communities allow for minimum two acre lot sizes for residential. Maple Forest allows minimum 10 acre lot sizes in their Resource Conservation; South Branch Township allows a minimum 20 acre lot size in its resource conservation district, while Frederic Township allows for 20 acre minimum lots sizes in its Deferred Development. All of the communities recognize the natural rivers act for the Au Sable River and in the case of Frederic Township the Upper Manistee River.

Figure 7.1 is a composite zoning map for Crawford County. Areas colored yellow and orange are zoned for residential, areas colored red are commercial and purple areas are zoned for industrial.

Figure 7.1

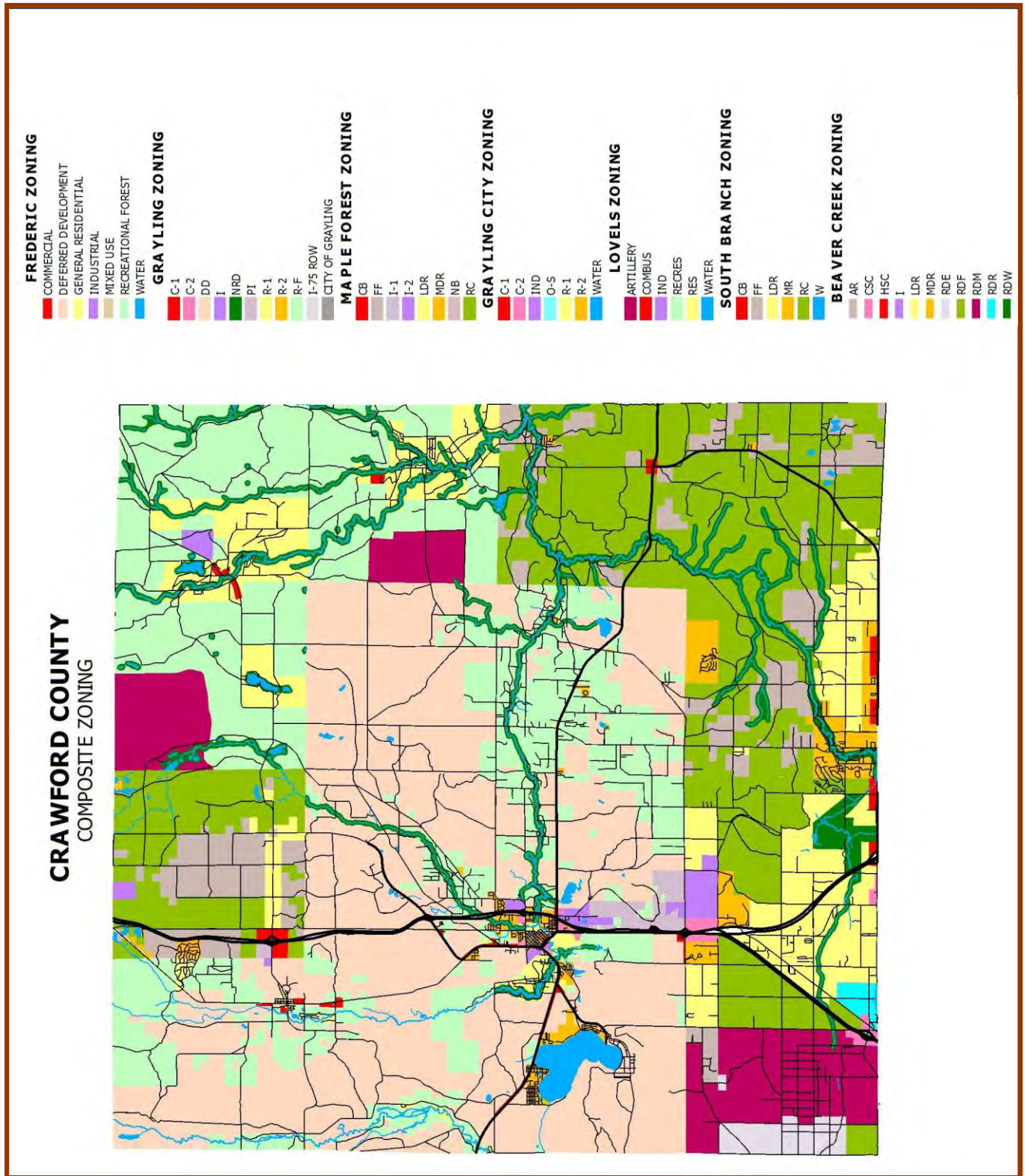


Table 7.2: Beaver Creek Township Zoning Information

District Name	District	Minimum Lot	Residential	Multi-Family	Commercial	Industrial	Agricultural
Resource Development	RD	20 acres Residential 2 acres	Yes	NA	Yes	NA	Yes
Agricultural Residential	AR	20 acres Residential 2 acres	Yes	NA	Yes	NA	Yes
Low Density Res.	LDR	20,000 sf 43,560 sf	Yes	NA	NA	NA	Yes
Medium Density Residential	MDR	10,000 sf 20,000 sf	Yes	Special Use	Special Use	NA	Yes
Community Services Comm.	CSC	10,000 sf 43,560 sf	NA	NA	Yes	NA	NA
Highway Service Commercial	HSC	10,000 sf 43,560 sf	NA	NA	Yes	NA	NA
Industrial	I	40,000 sf 2 acres	NA	NA	NA	Yes	NA
Planned Unit Development	PUD	LDR/MDR 20 ac. CSC/HSC/I 10 ac.	Yes	Yes	Yes	Yes	Yes
Mobile Home Parks	MH	10,000 sf 20,000 sf	Yes	Yes	Special Use	NA	Yes
Access Management Driveways Open Space in PUD Sign and billboard regulations Telecommunication towers							
Ordinance adoption/amendment date: 2008							

Table 7.3: Frederic Township Zoning Information

District Name	District	Minimum Lot	Residential	Multi-Family	Commercial	Industrial	Agricultural
General Residential	R	20,000 sf	Yes	Special Use	NA	NA	NA
Mixed Use	MU	20,000 sf	Yes	Special Use	Yes	NA	NA
Commercial	C	26,000 sf	NA	NA	Yes	NA	NA
Industrial	I	5 acres	NA	NA	NA	Yes	NA
Recreational-Forest	R-F	40,000 sf	Yes	Special Use	Limited Special Use	NA	Yes
Deferred Development	DD	20 acres		NA	NA	NA	Yes
AuSable River	ARD	50,000 sf	Yes	NA	NA	NA	NA
Manistee River	MR	80,000 sf	Yes	NA	NA	NA	NA
Landscaping PUD may be established in all districts except ARD and MRD Sign and billboard regulations Telecommunication towers Wind Turbine Generators							
Ordinance adoption/amendment date: 2010							

Table 7.4: Grayling Township Zoning Information

District Name	District	Minimum Lot	Residential	Multi-Family	Commercial	Industrial	Agricultural
Single-Family Res.	R-1	15,500 sf	Yes	NA	NA	NA	NA
General Residential	R- 2	12,000 sf	Yes	Special Use	NA	NA	NA
General Residential (Association)	R-3	40,000 sf					
General Commercial	C-1	12,000 sf	NA	NA	Yes	NA	NA
Heavy Commercial	C-2	30,000 sf	NA	NA	Yes	NA	NA
Industrial	I	30,000 sf	NA	NA	NA	Yes	NA
Recreational-Forest	R-F	2.5 acres	Yes	Special Use	Limited Special Use	NA	Yes
Deferred Development	DD	NA	NA	NA	NA	NA	Yes
Planned Unit Development		2.5 acres	Yes	yes	Yes	NA	Yes
Planned Industrial	PI	NA	NA	NA	NA	Yes	NA
Planned Commercial	PC	NA	NA	NA	Yes	NA	NA
Natural River District	NRD	80,000 sf	Yes	NA	NA	NA	NA
Access Management Airport Overlay Zone Landscaping Open Space requirements in PUD (40%) Planned Commercial – for property released from the State to serve the general and light commercial needs of the community. Planned Industrial – for property released from the State to serve the general industrial needs of the community. Sign and billboard regulations Telecommunication towers							
Ordinance adoption/amendment date: 2010							

Table 7.5: Lovells Township Zoning Information

District Name	District	Minimum Lot	Residential	Multi-Family	Commercial	Industrial	Agricultural
Greenbelt	GB	60,000 sf	Yes	NA	No new	No new	NA
Recreation & Residential	R-R	101,640 sf	Yes	Special Use	Limited Special Use	NA	Yes
Residential	R	14,000 sf	Yes	NA	NA	NA	NA
Commercial & Business	C-B	NA	Accessory Special Use	NA	Yes	NA	NA
Industrial	I	NA	NA	NA	NA	Yes	NA
Groundwater Protection in Industrial District PUD may be established in all districts except G-B Sign and billboard regulations Telecommunication towers							
Ordinance adoption/amendment date: 2012							

Table 7.6: Maple Forest Township Zoning Information

District Name	District	Minimum Lot	Residential	Multi-Family	Commercial	Industrial	Agricultural
Resource Conservation	RC	10 acres	Yes	NA	NA	NA	Yes
Farm Forest	FF	2 acres	Yes	NA	NA	NA	Yes
Low Density Residential	LDR	20,000 sf 1 acres	Yes	NA	NA	NA	Yes
Medium Density Residential	MDR	10,000 sf 20,000 sf	Yes	Special Use	NA	NA	NA
Neighborhood Business	NB	40,000 sf	Yes	NA	Yes	NA	NA
Commercial Business	CB	10,000 sf 1 acres	NA	NA	Yes	NA	NA
Light Industrial	I-1	40,000 sf 2 acres	NA	NA	NA	Yes	NA
Industrial	I-2	40,000 sf 2 acres	NA	NA	NA	Yes	NA
Stream Corridor Overlay	SCO	50,000 sf	Yes	NA	NA	NA	NA
Driveways and Private Roads Stormwater retention Groundwater Protection Landscaping Open Space requirements in PUD (25%) Sign and billboard regulations Telecommunication towers Wind Turbine Generators							
Ordinance adoption/amendment date: 2006							

Table 7.7: South Branch Township Zoning Information

District Name	District	Minimum Lot	Residential	Multi-Family	Commercial	Industrial	Agricultural
Low Density Residential	LDR	2 acres	Yes	NA	NA	NA	Yes
Mixed Residential	MR	20,000 sf	Yes	Special Use		NA	NA
Commercial Business	CB	1 acre	NA	NA	Yes	NA	NA
Industrial	I	2 acres	NA	NA	NA	Yes	NA
Farm Forest	FF	5 acres	Yes	NA	Limited Resource Based	NA	Yes
Resource Conservation	RC	20 acres	Yes	NA	NA	NA	Yes
Stream Corridor	SC	50,000 sf	Yes	NA	Only existing	NA	NA
Landscaping Stormwater Retention and Groundwater Protection Sign and billboard regulations Telecommunication towers Wind Turbine Generators Driveways and Private Roads PUD in LDR, MR, CB, I and FF, open space requirements (25%)							
Ordinance adoption/amendment date: 2013							

Table 7.8: City of Grayling Zoning Information

District Name	District	Minimum Lot	Residential	Multi-Family	Commercial	Industrial	Agricultural
Single Family Residential	R-1	7,200 sf	Yes	NA	NA	NA	NA
Multiple Family	R-2	10,000 sf for first two units	Yes	Special Use	NA	NA	NA
Downtown Commercial	C-1	5,000 sf	Accessory Use	NA	Yes	NA	NA
Professional Office	C-2	7,200 sf	Yes	NA	Yes	NA	NA
Highway Commercial	C-3	20,000 sf	NA	NA	Yes	NA	NA
Industrial	I	30,000 sf	NA	NA	Limited	Yes	NA
Access Management Airport Overlay Zone Landscaping Sign Ordinance Telecommunication towers							
Ordinance adoption/amendment date: 2009							

Chapter 8 – Community Goals and Objectives

Introduction

This chapter of the County's Master Plan will set forth goals and recommendations. These are written to have a countywide perspective, though they do address common local issues. It is not the intention of the Crawford County Planning Commission for these goals to replace goals and objectives found in township or city master plans; but to bring forth a multi-jurisdictional approach to addressing common community needs and issues. It is hopeful these goals and recommendations will not only provide guidance to Crawford County government, but also encourage a coordinated approach to planning and zoning at a local level.

Surveys and Workshops

There have been a number of "Visioning" efforts completed in recent years. These include goal-setting workshops conducted by many communities as a part of their master planning process; a series of Focus Groups Sessions held by the Grayling Regional Chamber of Commerce in 2002; and two roundtable discussions held by the County Planning Commission (see Appendix A). All of these efforts were reviewed and used to develop goals and recommendations for the master plan.

There are a number of common themes that surface in all of the surveys and workshops.

- 1) People live in and visit Crawford County because of the abundant natural resources, which include forests, lakes, streams, clean air, wetlands, wildlife and fish.
- 2) People like the County because of its rural character and friendly atmosphere.
- 3) Development pressures are increasing. Growth needs to be managed to preserve the very reasons people live here. However, this should be done without over regulating landowners.
- 4) There is a need for ongoing education on land use planning geared at both the general public and local decision makers.
- 5) There is a lack of good paying jobs within the County. A coordinated effort, by communities and organizations, must continue and expand to improve the economic health of Crawford County.
- 6) Communities need to invest in the infrastructure such schools, roads, water and sewer, public facilities and parks, downtown business districts, public transit, industrial parks, and recreational trails.
- 7) There needs to be more commercial and retail opportunities for residents of the County.
- 8) There is a general consensus that, where appropriate, the transfer of public lands into private ownership would benefit the county and local communities.

During the 2014 Master Plan Update, the Planning Commission reviewed the past input and the above themes and determined that the input was still relevant. Based on the past input, additional input received during the update process as well as the information from the recently completed Crawford County Wildfire Protection Plan (2013), the Planning Commission prepared the following goals with supporting objectives and recommendations.

Wildfire Protection Goal

GOAL:

To protect human life and reduce property loss due to catastrophic wildland fires in Crawford County

OBJECTIVES & RECOMMENDATIONS:

- Encourage adequate fire prevention, fire-safe construction, and pre-suppression activities on private lands in Wildland Urban Interface areas (WUI) using Firewise Landscaping and Construction standards. The foundation of this objective will be building partnerships with the county, local units of governments, MDNR, USFS, MSUE and other interested organizations.
- Continue to assist and encourage communities within the county to participate in the Community's Wildfire Protection Plan.
- Fuel Management; manage forests to maintain fuel loads within the range of natural specific ecosystem variability in order to minimize adverse effect to ecological and socioeconomic values.
- Implement Firewise planning and zoning strategies at the local level. Implementation of action items under this objective are the responsibility of each individual community to incorporate into their planning and zoning. Furthermore, it is understood that each local unit of government will need to determine which action items will be acceptable and enforceable under their current program administration.
- Work to implement the recommendations of the Crawford County Wildfire Protection Plan (2013).

<i>Natural Resource Goal</i>
<p style="text-align: center;">GOAL:</p> <p style="text-align: center;"><i>Preserve the natural environment by protecting groundwater, surface water, forests, wetlands, clean air, fisheries and wildlife.</i></p>
<p>OBJECTIVES & RECOMMENDATIONS:</p> <ul style="list-style-type: none"> • Work cooperatively with communities, agencies and organizations to develop studies and institute programs to address watershed, woodlands, wildlife and ecosystem management. • County departments will continue to work cooperatively with local units of government to effectively administer and enforce county ordinances, such as soil erosion and sedimentation control. • Encourage and support community organizations to identify critical resources, wildlife habitat, ecological corridors, scenic areas, vistas, and existing protected areas to more effectively work with local communities to implement strategies to protect such resources. • Establish (or maintain) on-going open dialog with the Michigan Department of Natural Resources (DNR), US Forest Service, and Camp Grayling representatives to monitor future potential public land transfers. • Promote or facilitate community educational forums on topics which could impact the locally important natural resources, such as hydrologic fracturing (fracking), large volume water withdrawal, threats from invasive species, purchase of development rights and conservation easements. • Continue to monitor any fracking activity proposed and/or active in the area. Promote on-going groundwater testing in such areas to assess any impacts to the water quality in order to protect the natural resources. • Work with DNR to pursue improvements to Hartwick Pines State Park and North Higgins Lake State Park. • Provide assistance to local communities by providing or facilitating educational opportunities related to current planning & zoning topics.

<i>Land Use Goal</i>
<p style="text-align: center;">GOAL:</p> <p style="text-align: center;"><i>Encourage a coordinated, locally administered approach to regulating land uses in order to protect the natural, social, cultural, and economic resources in each jurisdiction.</i></p>
<p>OBJECTIVES & RECOMMENDATIONS:</p> <ul style="list-style-type: none"> • Address cross-jurisdictional issues when reviewing and commenting on local (or adjacent) community master plans and zoning ordinances. • Provide information and assistance to local communities to address current planning and zoning issues and foster improved communication. • Support or facilitate land use education programs for county and local officials. • Continue to fund and support the Crawford County Planning Commission to provide County level planning coordination and review services. • Improve public awareness and effectiveness of the Crawford County Planning Commission through the coordination, facilitation, and promotion of local educational opportunities and assistance for local communities. • Coordinate an annual joint meeting/awards luncheon to promote communication between local planning commissions and recognize outstanding local planning and zoning efforts. • Explore opportunities for some common zoning provisions (for adoption locally) across the County.

Economic & Business Goals

GOAL:

Improve the competitiveness of the county's economy while enhancing the employment opportunities for residents and the profitability of businesses and industries.

Promote a varied business environment, and encourage retention, expansion and enhancement of business and industry to meet the needs of residents and tourists, while preserving the natural environment and rural character of the community.

OBJECTIVES & RECOMMENDATIONS:

- Work cooperatively with Kirtland Community College to promote the development of the Health Sciences Campus near the 4 Mile Road/I-75 interchange.
- Promote economic development opportunities in Crawford County and coordinate efforts with existing organizations.
- Continue to work with economic development organizations, local communities, and Chambers of Commerce to promote the area for natural resource based recreational tourism, and as a prime location to live, work and play!
- Promote Trail Town initiative county-wide to promote the area for the recreational trails: water, hiking, biking, skiing, snowmobiling and ORV.
- Work with Chambers of Commerce and local businesses to develop and/or promote a shop local program.
- Continue to pursue broad band and high speed internet services throughout the County.
- Work with local businesses and organizations, with support from regional and state organizations to enhance the economic prosperity of Crawford County.
- Encourage local communities to support existing commercial centers and direct new commercial development to locate in designated hubs and corridors.
- Recommend local communities incorporate sound planning and zoning techniques to support local commercial business, such as clustering, shared parking, access management and landscaping standards.

Infrastructure & Public Service Goals

GOAL:

Maintain and improve the transportation systems, community facilities, and programs consistent with the community needs, and the ability to finance the improvements.

Work cooperatively with Townships, the City of Grayling, and applicable agencies to implement strategies to improve the disaster preparedness of all communities within the County.

Improve access to medical and human services, as well as public safety services.

OBJECTIVES & RECOMMENDATIONS:

- Continue to work with MDOT to explore opportunities for a reconstructed I-75 interchange to improve access to and from Grayling.
- County Road Commission should continue work closely with communities to implement road improvements consistent with the priority list and funding ability and utilize Asset Management System to enhance planning for maintenance and improvements of the local road network.
- Continue to support the local emergency services through 911 emergency services.
- Monitor and explore the needs for water, sewer, and natural gas services as more development occurs.
- Pursue expansion of high-speed communications throughout the County.
- Establish and maintain on-going communication with local communities regarding planned projects in order to facilitate joint projects, such as road improvements where wider shoulders could facilitate a cooperative and coordinated bicycle connector route.
- Pursue the development of a comprehensive network of both non-motorized and motorized trails, including initially mapping & reviewing existing trails to promote opportunities to establish connections.

Residential Goal

GOAL:

Encourage a variety of suitable housing opportunities to meet the lifestyle needs of all, regardless of economic circumstances or age.

OBJECTIVES & RECOMMENDATIONS:

- Encourage communities to designate areas appropriate for all types of residential housing including single family, multi-family, condominium, low to moderate-income rental complexes, and extended care facilities, especially near community facilities and shopping areas.
- Continue to support and promote the Crawford County Housing Commission and Michigan State Housing Development Authority (MSHDA) programs to rehabilitate substandard housing and to provide needed moderately priced housing in the County.
- Encourage all communities to preserve the integrity of existing residential areas by protecting them from intrusion of incompatible uses.
- Explore allowing construction of an accessory structure prior to a dwelling in some zoning districts and share information with local units of governments.

Recreation and Public Lands Goal

GOAL:

Preserve and improve access to public lands and water, recreation trails, public parks and recreation facilities for the safe enjoyment by residents, visitors, and future generations.

ADDITIONAL COMPONENT GOALS:

1. Pursue improvements to recreational opportunities within Crawford County.
2. Ensure public recreational facilities and activities are open and accessible to all.
3. Work cooperatively with appropriate agencies and units of government to develop and maintain an extensive network of trails and the necessary support facilities for each, including hiking, biking, horseback riding, x-c skiing, snowmobiling, and ORV.
4. Work cooperatively with appropriate agencies and units of government to establish and maintain access sites for canoe/kayak use and fishing access, and promote the local water trails.
5. Work cooperatively to promote recreational opportunities in the area and the related economic benefits for the region, including providing support for the Trail Town initiative.

[see Chapter 6-Recreation for County and Township specific goals and objectives]

Chapter 9 – Public Lands Analysis

A key factor that determines community character and the location of potential future development areas is the amount of land public ownership. **Table 9.1** and **Figure 9.1** show the breakdown of public land ownership in Crawford County. Excluding water, all public lands (including that owned by cities, townships, the county, as well as federal and state properties) make up over 70 percent of the county's total land area. Communities have been successful in working with the State of Michigan to transfer public lands into private ownership for economic development.

The Michigan Department of Natural Resources is in the process of completing a review of state-owned, the DNR administered lands. According to the DNR Web site, “The DNR is completing this land review to evaluate state-owned parcels located outside DNR project boundaries to determine if their natural resource and outdoor recreation values contribute significantly to the DNR’s mission. Completing this review will assist the DNR in consolidating state land ownership. This will also increase efficiency of management by reducing the cost of managing small, isolated parcels, especially those that do not have significant natural resource or recreation potential. The proceeds from the sale or exchange of such parcels will be used to acquire replacement land to consolidate state lands and increase recreation opportunities.” This section will identify state owned lands that communities would potentially be interested in having transferred into private ownership. Community master plans, zoning ordinances, long range community development proposals, in addition to local officials’ input, help guide this process.

Table 9.1		
Crawford County Land Ownership		
Public Lands	Acres	Percent
State of Michigan	116,614	32
Military	97,294	27
USA	41,433	12
Other Public	1,366	>1
Water	3,031	>1
Source: NEMCOG		

Figure 9.2 shows publicly owned lands that communities have identified for private economic development. The areas are mapped according to type of proposed development such as commercial or industrial. Areas were identified in master plans, zoning ordinances or other community planning activities.

Maple Forest Township has identified lands around the Frederic I-75 Interchange for future commercial and light industrial development. State owned lands in Section 6 adjacent to several small lakes have been identified for future residential development. In addition, state lands at the intersection of Co Rd. 612 and Hartwick Pines Road are identified for neighborhood business and lands bordering Bear Lake are identified for transfer to Township ownership for development of a park. Frederic Township identified lands in Sections 25 and 36 in T.28N.-R.4W. for industrial development.

The County Master Plan supports the transfer of State lands to private ownership to support development of residential, commercial and industrial uses in locations identified by the local communities. **Figure 9.2** depicts areas identified by communities as part of an outreach effort by the County Planning Commission. The intent is to depict land identified to date, but should not be construed as the only areas to be considered for future transfer to private ownership.

Figure 9.1

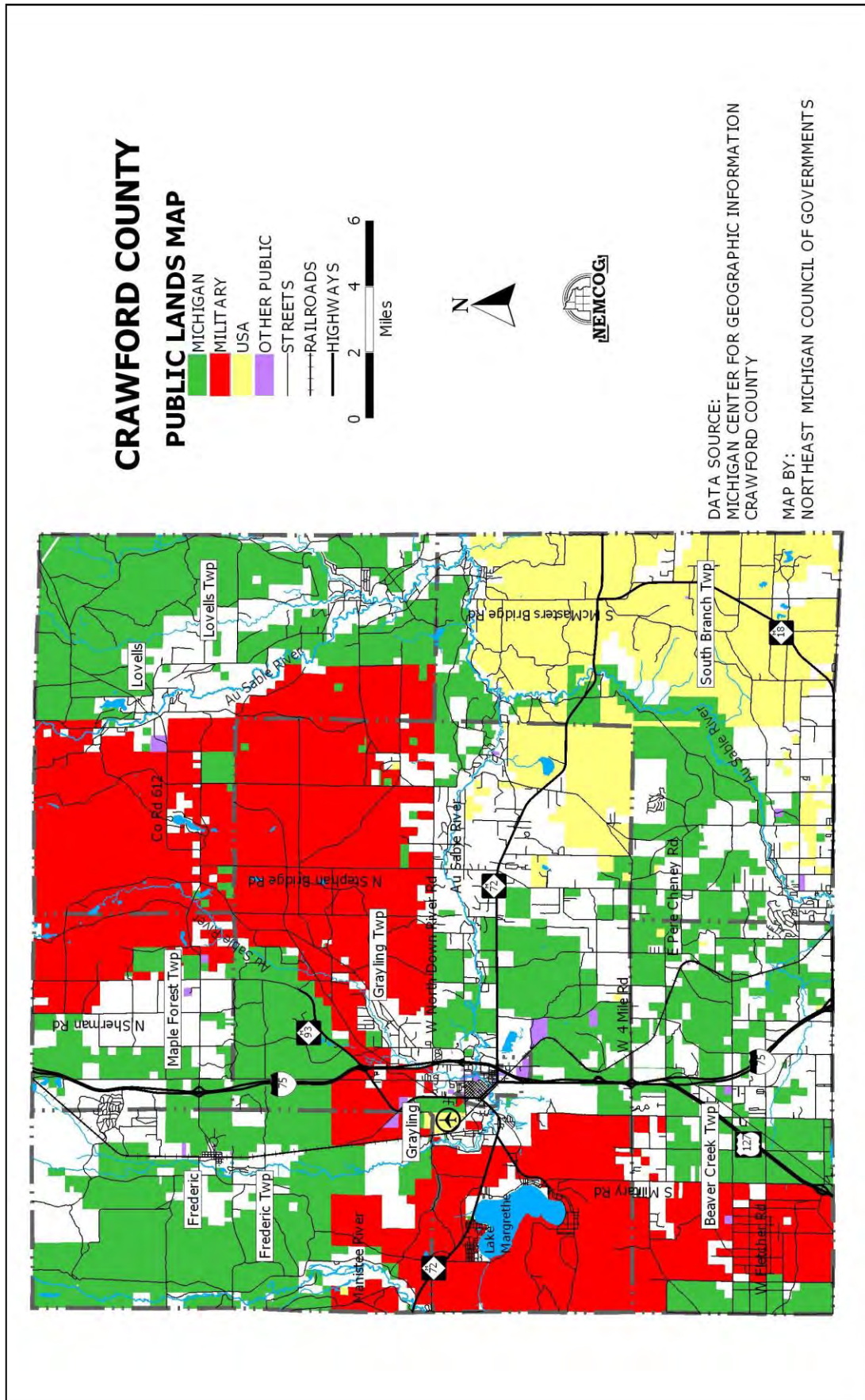
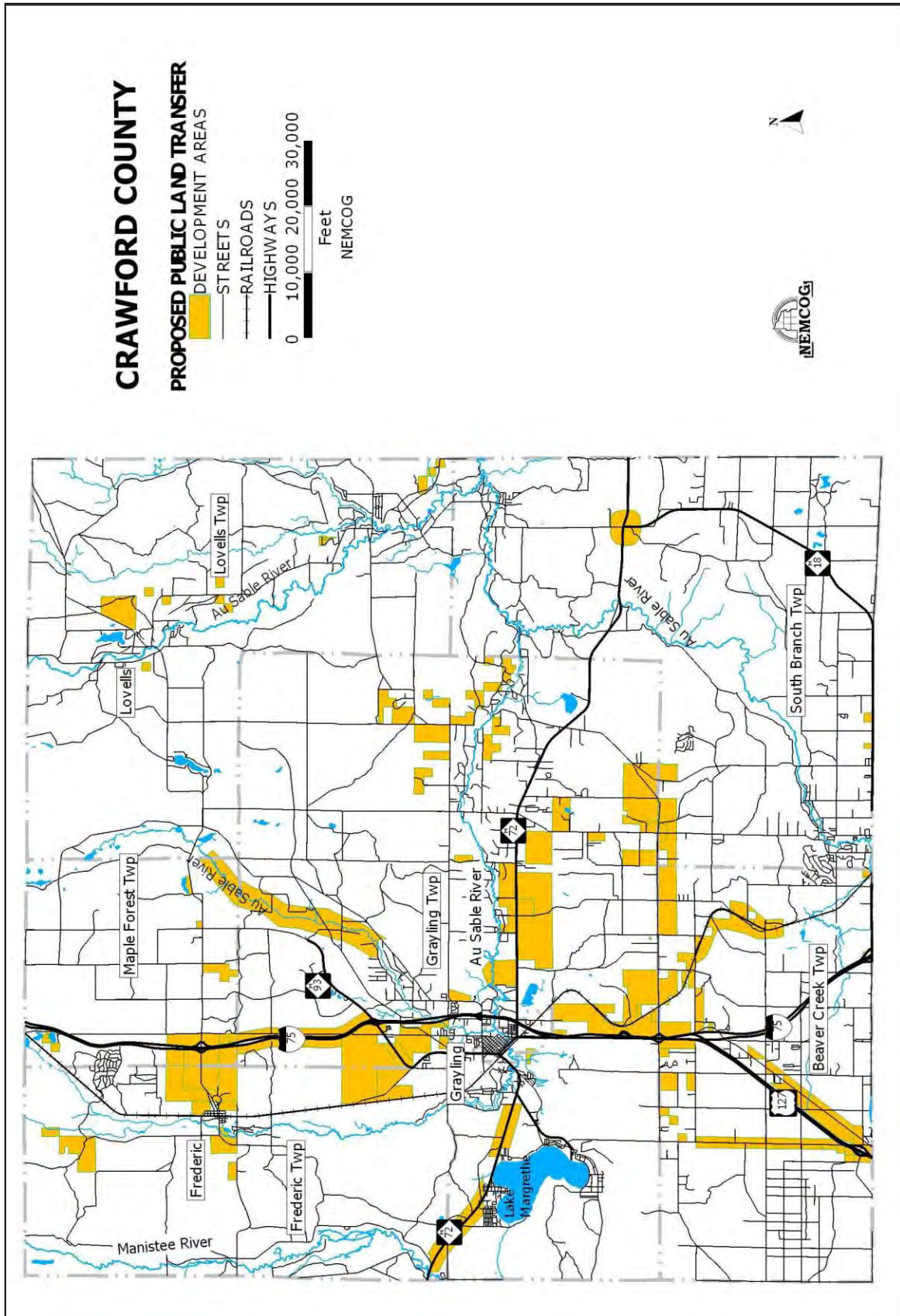


Figure 9.2



Chapter 10 – Future Land Use

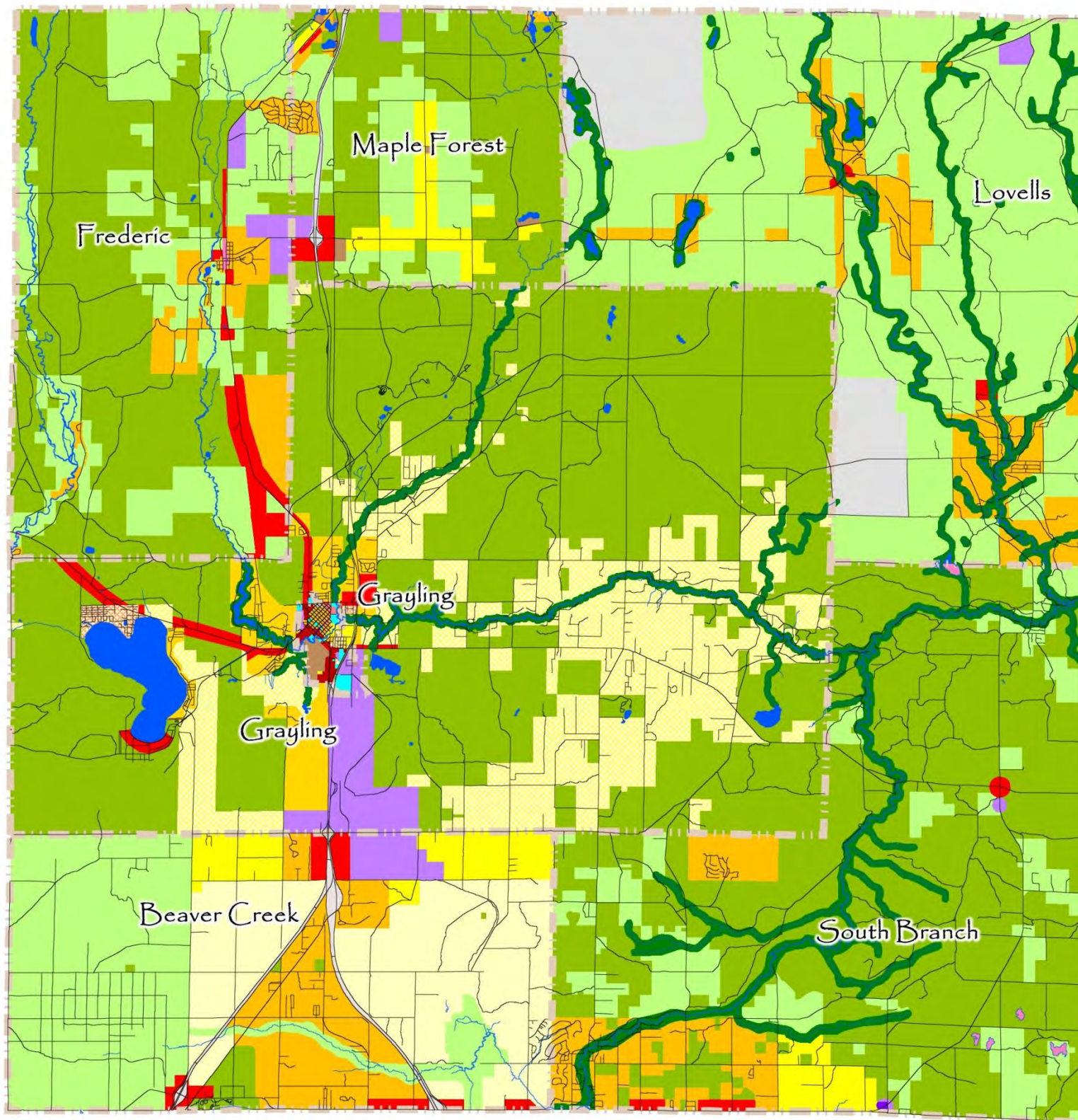
The Crawford County Planning Commission serves as a coordinating and reviewing body regarding planning and zoning activities within the County with zoning ordinances adopted and administered by the local units of government. Thus this chapter compiles the future land use information from the most recently adopted master plans of the local units of government, and presents it in two map formats to more readily assess what is planned for the future of the entire County.

Figure 10.1 presents a Composite Future Land Use Map which combines the Future Land Use Maps for each of the Townships and the City of Grayling into a single map. As seen in the legend on the map, each jurisdiction has slight difference in the future land use categories and the number of categories.

Figure 10.2 presents a Generalized Future Land Use Map which is a revision of Figure 10.1 to map the future land uses across the County into the following ten broad future land use categories: Residential; Commercial/ Business/ Office; Industrial/Planned Mixed Use; Institutional; Rights-of-way (ROW); Recreation; Forest/ Recreation/ Residential; Stream Corridor; Public/ Conservation/ Open Space; and Water. A comparison of the generalized future land use categories and the categories utilized by each of the local units of government is presented in Table 10.1.

Due to the importance and prominence of public lands in Crawford County, as well as the risks of wildfire in this County, both are included for ease of reference in this chapter as Figures 10.3 and 10.4.

CRAWFORD COUNTY COMBINED FUTURE LAND USE



LOCAL GOVERNMENTS

LOVELLS TWP

- ARTILLERY
- COMMERCIAL-BUSINESS
- GREENBELT
- INDUSTRIAL
- RECREATION-RESIDENTIAL
- RESIDENTIAL
- WATER

GRAYLING TOWNSHIP

- COMMERCIAL
- HIGH DENSITY RESIDENTIAL
- PLANNED MIXED USE
- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- MULTI-FAMILY
- PUBLIC
- RIVER OVERLAY
- WATER

BEAVER CREEK TWP

- COMMERCIAL
- INDUSTRIAL
- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- OPEN SPACE, VACANT, AGRICULTURAL & FORESTRY
- PUBLIC
- RURAL RESIDENTIAL
- STATE HIGHWAY ROW

CITY OF GRAYLING

- CENTRAL BUSINESS DISTRICT
- GENERAL COMMERCIAL
- HIGH DENSITY RESIDENTIAL
- INDUSTRIAL
- INSTITUTIONAL
- LOW DENSITY RESIDENTIAL
- MEDICAL COTTAGE INDUSTRY
- MEDIUM DENSITY RESIDENTIAL
- NEIGHBORHOOD COMMERCIAL
- RECREATIONAL
- WATER

FREDERIC TWP

- CONSERVATION-RECREATION
- FOREST-RURAL RESIDENTIAL
- GENERAL BUSINESS
- LIGHT INDUSTRIAL
- MIXED USE
- RESIDENTIAL
- WATER

MAPLE FOREST TWP

- COMMERCIAL
- FOREST RECREATION
- INDUSTRIAL
- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY
- RECREATION
- RESOURCE CONSERVATION
- ROW
- WATER

SOUTH BRANCH TWP

- COMMERCIAL
- FOREST RECREATION
- GENERAL RESIDENTIAL
- INDUSTRIAL
- LIGHT INDUSTRIAL
- RESOURCE CONSERVATION
- RURAL RESIDENTIAL
- STREAM CORRIDOR
- WATER

0 10,000 20,000
Feet



Prepared by:
Northeast Michigan Council of Governments

Map Date: September 2014

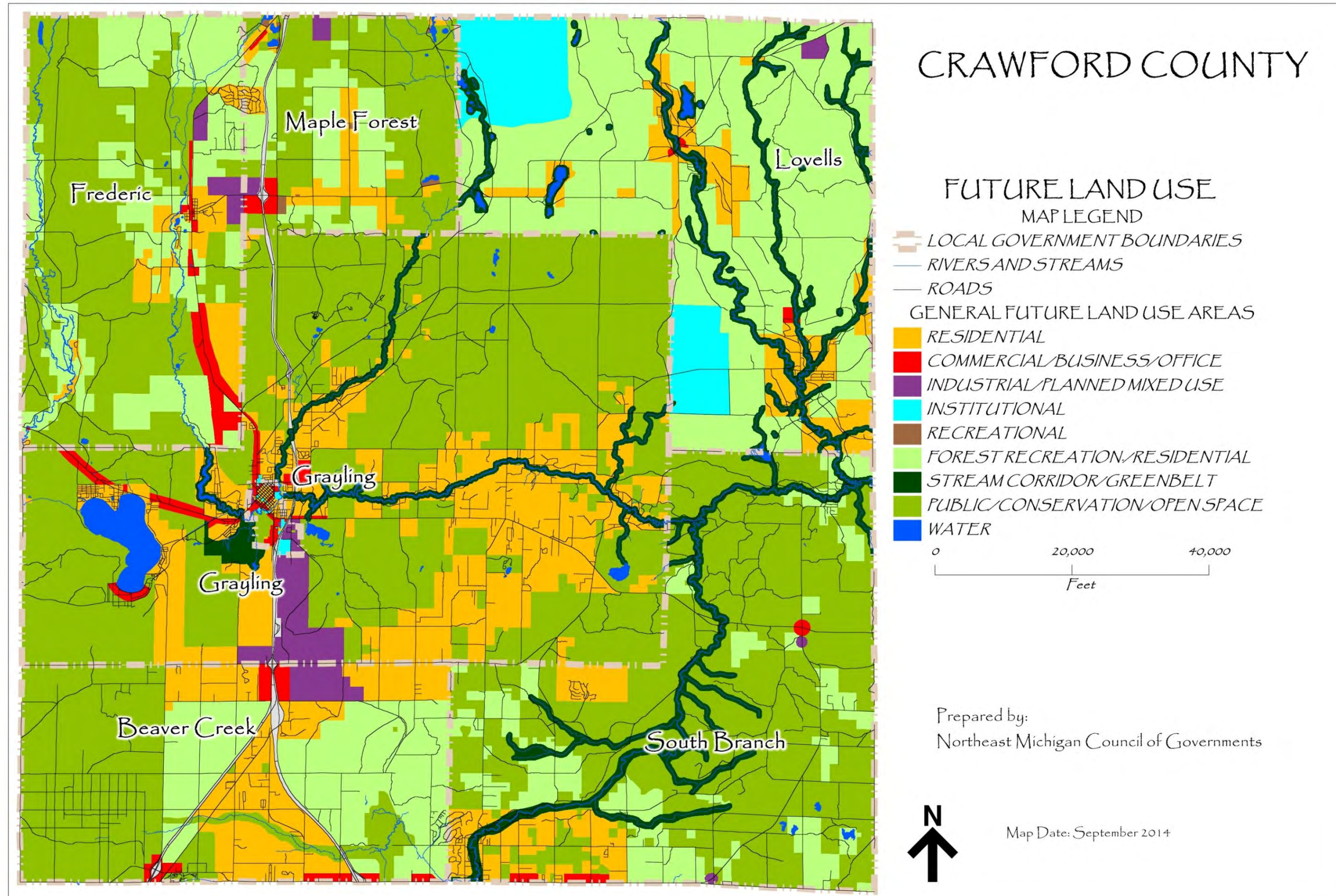
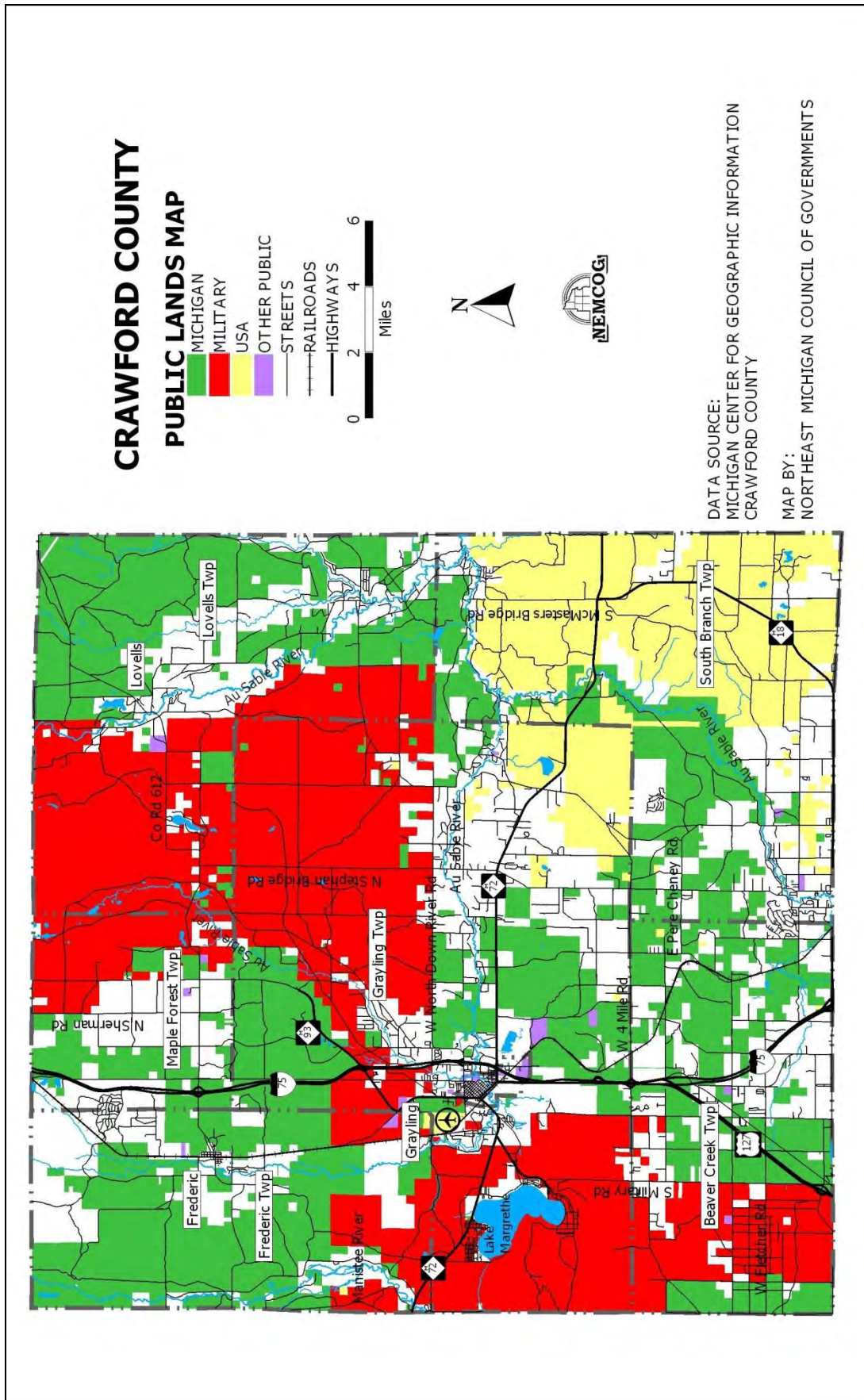


Table 10.1 Future Land Use Categories Comparison Table							
Generalized FLU Categories	BEAVER CREEK TWP	CITY OF GRAYLING	FREDERIC TWP	GRAYLING TWP	LOVELLS TWP	MAPLE FOREST TWP	SOUTH BRANCH TWP
Residential	Low density Residential	High Density Residential	Residential	High Density Residential	Residential	Low Density Residential	General Residential
	Medium Density Residential	Low Density Residential		Low Density Residential		Medium Density Residential	Rural Residential
		Medium Density Residential		Medium Density Residential			
				Multi-Family			
Commercial/Business/Office	Commercial	General Business	General Business	Commercial	Commercial Business	Commercial	Commercial
		General Commercial	Mixed Use				
		Neighborhood Commercial					
		Medical Cottage Industry					
Industrial	Industrial	Industrial	Light Industrial	Planned Mixed Use	Industrial	Industrial	Industrial
							Light Industrial
Institutional		Institutional		City	Artillery		
Rights of Way	State Highway ROW					ROW	
Recreation		Recreational		Recreation		Recreation	
Forest Rec/Residential	Rural Residential		Forest-Rural Residential		Recreation Residential	Forest Recreation	Forest Recreation
Stream Corridor					Greenbelt		Stream Corridor
Public/Conservation/ Open Space	Open space, Vacant, Agric. & Forest		Conservation- Recreation	Public		Resource Conservation	Resource Conservation
	Public						
Water		Water	Water	Water	Water	Water	Water



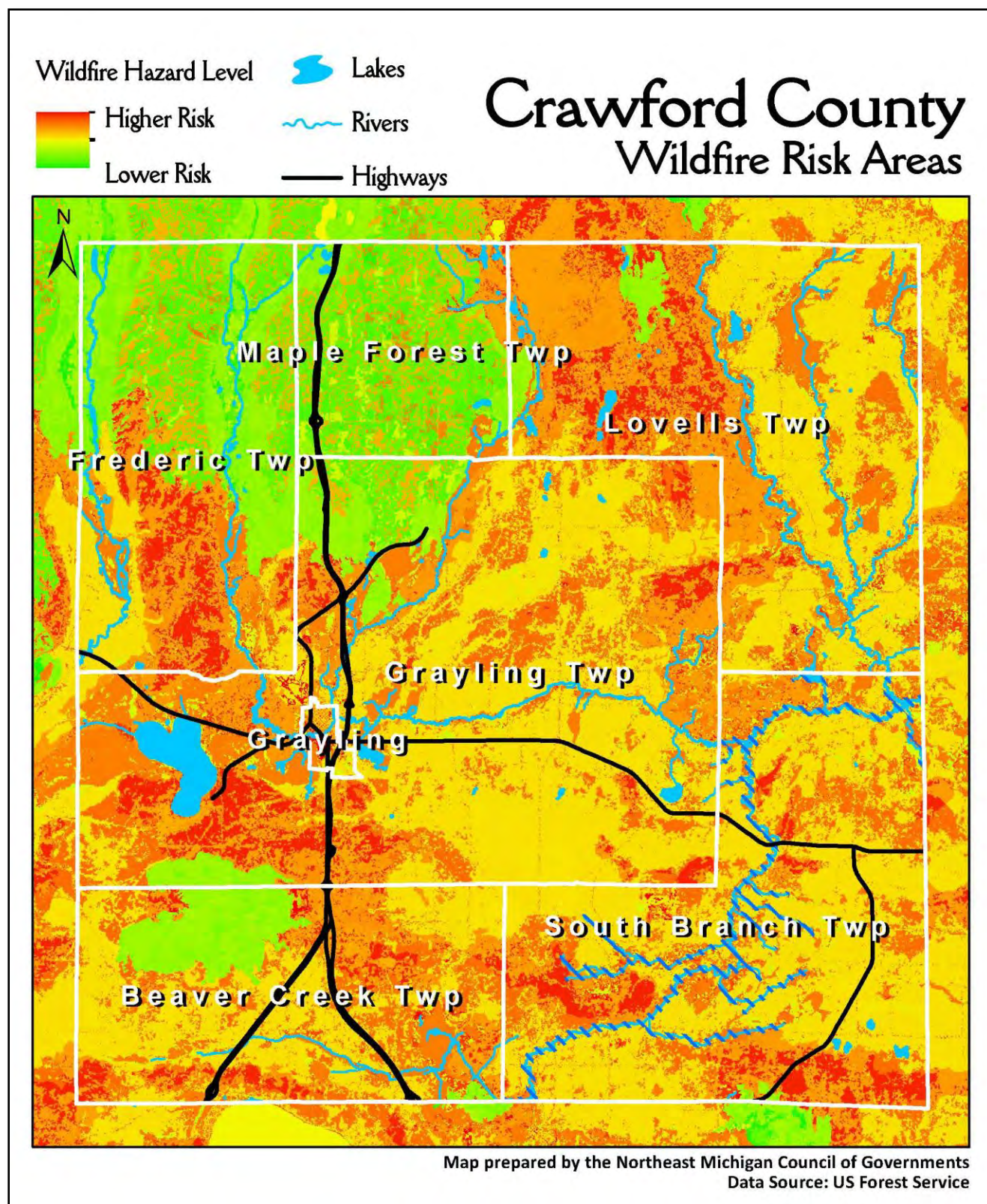


Figure 10.4

Chapter 11 – Plan Adoption

Public Notice

Pursuant to the Michigan Planning Enabling Act, (PA 33 of 2008, as amended), the Crawford County Planning Commission sent a written notice explaining that they intended to prepare a county master plan update. This notice requested the recipients' cooperation and comment on the plan. The notice was sent to the planning commissions (or if no planning commission to the legislative body) of each city, village or township located within or contiguous to Crawford County. It was also sent to all county planning commissions (or if no planning commission to the county board of commissioners) for each county located contiguous to Crawford county. It was sent to each public utility company and railroad company owning or operating a public utility or railroad within the county and to any government entity that registered its name and mailing address for this purpose with the county planning commission.

The Crawford County Planning Commission approved the draft "Crawford County 2014 Master Plan Update" for distribution at their March 5, 2014 meeting. They forwarded the draft plan to the Crawford County Board of Commissioners. The Crawford County Board of Commissioners approved the draft plan for distribution at their March 27, 2014 meeting. Copies of the draft plan were mailed to the required recipients on April 1, 2014. A copy of the draft plan was also posted on the Crawford County web site. Articles concerning the draft were printed in the local press. Comments were taken on the draft plan up until the date of the formal public hearing.

A notice of the public hearing was printed in the Crawford County Avalanche newspaper on May 15, 2014. The formal public hearing took place on June 4, 2014.

[Comments in appendix]

Plan Adoption

After considering comments made by the public through the public comment period and those made at the public hearing, the Crawford County Planning Commission approved the "Crawford County 2014 Master Plan Update" at their September 17, 2014 meeting, and recommended the plan to the Board of Commissioners for adoption. The Crawford County Planning Commission then forwarded the final plan to the Crawford County Board of Commissioners.

Legal Transmittals

Once the final plan was presented to the Crawford County Board of Commissioners at their October 23, 2014 meeting, copies of the approved plan were mailed to all of the recipients as required by law.

Appendix A

Master Plan including Recreation Plan Public Input – Supporting Documents

- Newspaper notice of information meeting for Master Plan
- Master Plan Public Input Session Summary
- Newspaper notice of information meeting for Recreation Plan
- Recreation Public Input Session Summary
- Newspaper Public Hearing Notice
- Comments received from Antrim County and DNR
- Planning Commission Public Hearing Minutes

Crawford County Master Plan Update Public Input Session Newspaper Notice:

Thursday, November 21, 2013 - CRAWFORD COUNTY AVALANCHE - 7B

MORTGAGE SALE - Default has been made in the conditions of a mortgage made by Oliver Hilliker and Jody L. Hilliker, to The Cit Group/Consumer Finance Inc., Mortgagee, dated November 1, 2000 and recorded November 20, 2000 in Liber 523, Page 93, AGE SALE - Default has been made in the conditions of a certain mortgage made by: Joseph F. Rinik, a single man to Northwestern Mortgage Co., 'ortgagee, dated August 6, 2010 id recorded August 16, 2010 in iber 701 Page 468 Crawford ounty Records, Michigan on hich mortgage there is claimed to e due at the date hereof the sum of ixty-Seven Thousand Two undred Fifty-Nine Dollars and orty-Four Cents (\$67,259.44) ncluding interest 4.625% per num. Under the power of sale ontained in said mortgage and the tatute in such case made and rovided, notice is hereby given that aid mortgage will be foreclosed by ale of the mortgaged premises, r some part of them, at public vendue, Circuit Court of Crawford County at 10:00AM on December 1, 2013 Said premises are situated n Township of Maple Forest, Crawford County, Michigan, and re described as: Lot 18, Greenacre

(\$89,477.29) including interest 7.26% per annum. Under the power of sale contained in said mortgage and the statute in such case made and provided, notice is hereby given that said mortgage will be foreclosed by a sale of the mortgaged premises, or some part of them, at public vendue, Circuit Court of Crawford County at 10:00AM on December 18, 2013 are situated in Hardacre Forest, Bank (Northern Mortgagee, dated May 15, 2002 and recorded June 17, 2002 in Liber 584 Page 543 Crawford County Records, Michigan. Said mortgage was assigned through mesne assignments to: The Bank of New York Mellon, as Indenture Trustee for the Registered Holders of ABFS Mortgage Loan. Trust 2002-2, Mortgage Pass-Through Certificates, Series 2002-2, by assignment dated January 15, 2009 and recorded January 26, 2009 in Liber 694, Page 439, on which mortgage there is claimed to be due at the date hereof the sum of Eighty-Nine Thousand Four Hundred Seventy-Seven Dollars and Twenty-Nine Cents

FORECLOSURE NOTICE
IF YOU ARE NOW ON ACTIVE MILITARY DUTY OR HAVE BEEN IN THE PRIOR ONE YEAR, PLEASE CONTACT OUR OFFICE AT 248-502-1400.

Meeting Unapproved

Meeting called to order at 7:00 p.m. Attending: L. Luck, George, and Farrington. Absent: S. Luck. Pledge of Allegiance.

Motion by Farrington, and seconded by George, to accept agenda as presented. Ayes: All. Nays: None. Motion passed.

Motion by Janisse, and seconded by Farrington, to accept consent agenda. Ayes: All. Nays: None. Motion passed.

REGULAR MEETING
Said premises are located in the City of Grayling, Crawford County, Michigan, and are described as: Commencing at the Northwest corner of the Northwest 1/4 of the Northwest 1/4 of Section 7, Town 26 North, Range 3 West, thence East on the North line of Section 7 a distance of 682 feet for the point of beginning; thence East 126.5 feet; thence South 330 feet; thence West 126.5 feet; thence North 330 feet to the point of beginning. The redemption period shall be 6 months from the date of such sale, unless determined abandoned in accordance with MCLA

SYNOPSIS
SOUTH BRANCH TOWNSHIP
November 12, 2013
Regular Board

PUBLIC NOTICE
Avalanche
"Legal Action"
pages for
Crawford County
are now available
online at
crawfordcountyavalanche.com
Public Notices in
Newspapers.
Your Right to Know,
Delivered Right to Your
Door.

Crawford County
Master Plan Update
Public Input Session
December 4, 2013

The Crawford County Planning Commission is in the process of updating the County Master Plan. As part of the planning process, the Planning Commission will conduct a public input session for the County Master Plan during its regular meeting, beginning at 6:00 p.m. on Wednesday, December 4, 2013. The meeting will be located in the Commissioner's room off the County Building, 200 W. Michigan Ave., Grayling. all interested parties are invited to participate and provide input.

Written comments may be submitted in advance to the Building and Zoning Director, 200, W. Michigan Ave., Grayling, MI 49738, or may be submitted at the meeting. For additional information contact Cris Jones, Planning Commission Chairman, by phone at 989-275-6247, or by email at xcjones@charter.net.

PUBLIC INPUT
CITY OF GRAYLING
COMMUNITY PARTICIPATION
OPEN SPACE FIVE

The City of Grayling draft Community Park Greenways Plan for Grayling City Parks at the public input session City Blvd. on November 12, 2013. All interested parties are invited to participate and provide input.

Submitted to the Deputy City Clerk
Kimberly L. Murphy
Deputy City Clerk

Master Plan Public Input Session Summary Notes:

Crawford County Master Plan Update 2014
Goals and Objectives – Preliminary Input Session
December 4, 2013

Economic/Business:

- Promote Kirkland Community College Expansion for a 4 Mile Road Campus (10)
- Promote and Support Trail Town Initiative, water, hiking, biking, skiing (9)
- Revitalize Crawford County Economic Development Corporation (EDC) (8)
- Promote the establishment of a 4 year College in the area (1)

Infrastructure and Public Services:

- Connect Michigan – broad band initiative (8)
- Expanded Sewer Systems (7)
 - Grayling system to serve a new Kirkland campus at 4-Mile
 - Beaver Creek to serve additional areas

Natural Resources:

- Work with State to pursue an easier process for the acquisition of public land (8)
- ‘Fracking’ concerns– need to ensure the protection natural resources (6)
- State Park in decline – need to pursue improvements (6)
- Establish (or maintain) on-going open dialog with the Michigan Department of Natural Resources (DNR), US Forest Service and Camp Grayling representatives to monitor potential future land transfers possibilities. (3)
- Work cooperatively with communities, agencies and organizations to develop studies and institute programs to address watershed, woodlands, wildlife and ecosystem management. (2)
- Work to identify critical resources, wildlife habitat, ecological corridors, scenic areas, vistas and existing protected areas to more effectively work with local communities to implement strategies to protect such resources. (1)

Land Use:

- Open a dialog with DNR to acquire State land for the development of a Mobile Home Park-possibly one in each Township and the City (5)
- Provide information and assistance to local communities to address current planning and zoning issues and foster improved communication (2)
- Improve public awareness and effectiveness of the Crawford County Planning Commission through the coordination, facilitation, and promotion of local educational opportunities and assistance for local communities. (2)
- Coordinate or participate in an annual joint meeting/awards luncheon to promote communication between local planning commission and recognize outstanding local planning and zoning efforts. (1)

Residential:

- Explore opportunities for some common zoning provisions, across the County (where sensible) (7)
- Explore allowing for the construction of the Accessory structure prior to dwelling in some districts (7)
- Explore the concept of requiring Rental inspections (4)
- Provide for Low/moderate income housing (1)

Recreation:--to be added

Crawford County Recreation Plan Public Input Session Newspaper Notice:

30-6-13-20

NOW ON ACTIVE DUTY OR HAVE THE PRIOR ONE E CONTACT OUR 8-502-1400.

IALE - Default has the conditions of a e by Andrew G. fary Ann Jackson, ife, to Fifth Third , LLC, Mortgagee, y 21, 2012 and y 8, 2012 in Liber Crawford County gan. Said mortgage by Fifth Third any by assignment. d to be due at the sum of Fifty-Six Hundred Seventy- 74/100 Dollars cluding interest at n.

r of sale contained : and the statute in le and provided, y given that said e foreclosed by a gaged premises, or n, at public vendue olding the circuit rawford County., 0 AM on MARCH

re located in the South Branch, y, Michigan, and

wnship of South of Crawford, and t, described as: Lot s Wilderness ording to the plat led in Liber 4 of Crawford County

period shall be 6 date of such sale, d abandoned in with MCLA which case the d shall be 30 days uch sale. TO ALL The foreclosing scind the sale. In mages, if any, are the return of the red at sale, plus

old at foreclosure MCL 600.3278, be held responsi- n who buys the orte mortgage foreclo- mortgage holder : property during rod. , 2014 P.C..

Thursday, February 20, 2014 - CRAWFORD COUNTY AVALANCHE - 15

Unapproved

Meeting called to order at 7:02 p.m. Attending: Janisse, L. Luck, George, Farrington, and S. Luck. Absent: None. Pledge of Allegiance.

Motion by Janisse, and seconded by Farrington, to accept agenda as presented with additions. Ayes: All. Nays: None. Motion passed.

Motion by Janisse, and seconded by S. Luck, to accept consent agenda, January Regular Meeting Minutes and Budget Workshop Meeting Minutes, bills and invoices paid, the Treasurer's Report, Fire/EMS Report, and projected bills for February as presented. Ayes: All. Nays: None. Motion passed.

Motion by Janisse, and seconded by Farrington to send a letter to Don Babcock, Director of the Crawford County Road Commission, authorizing them to do the following road projects at costs not to exceed \$225,000.00: Pere Cheney - Ditch and Gravel 0.6 miles of Pere Cheney west of Chase Bridge Road, with a recommendation and quote for paving the top of the hill from Belle Top Lodge east. Connors Flat Rd - Ditch and Gravel 0.75 miles of Connors Flat Rd west of P97. Also, to provide a recommendation and quote to recondition paved portions of Deerheart Valley Rd. Ayes: All. Nays: None. Motion passed.

Motion by Janisse, and seconded by S. Luck to approve the addition of Trisha Spence as a member of the South Branch Township Fire and EMS Department. Ayes: All. Nays: None. Motion passed.

Motion by Janisse, and seconded by Farrington, and second-

ed by S. Luck to approve the purchase of seven 800 MHz radios for the Fire/EMS Department at a cost of \$18,721.00. Ayes: All. Nays: None. Motion passed.

Motion by S. Luck, and seconded by George to approve the purchase of parts necessary for the foam unit for vehicle 452A for the Fire/EMS Dept., at a cost of \$985.00. Ayes: All. Nays: None. Motion passed.

Motion by Janisse, and seconded by Farrington to approve the payment of invoices from I.T. Right for \$1,500.00, Burnham and Flower Pension Plan for \$11,606.95, and M.C. Planning and Design for \$1,438.09. Ayes: All. Nays: None. Motion passed.

Motion by S. Luck, and seconded by Farrington to adopt the amendments to the 2013/2014 Fire Fund Budget. Ayes: All. Nays: None. Motion passed.

Motion by Farrington, and seconded by S. Luck to adopt the amendments to the 2013/2014 Ambulance Fund Budget. Ayes: All. Nays: None. Motion passed.

Motion by S. Luck, and seconded by Farrington to adopt the amendments to the 2013/2014 Cemetery Fund Budget. Ayes: All. Nays: None. Motion passed.

Motion by Janisse, and seconded by S. Luck to approve changing the hours of operation at the Pioneer Refuse Site, to 8:30 am to 4:30 pm, effective April 1, 2014. Ayes: Four. Nays: One. Motion Passed.

Motion by S. Luck, and seconded by Farrington to approve the purchase of Boardroom tables and chairs at a cost not to exceed \$2,600.00. Ayes: All. Nays: None. Motion passed.

Meeting adjourned at 10:18 p.m.

Creditors of the decedent are notified that all claims against the estate will be forever barred unless presented to Phyllis Hamilton, personal representative, or to both the probate court at 200 W. Michigan Avenue, Grayling, MI 49738 and the personal representative within 4 months after the date of publication of this notice.

Date 02/12/2014

Attorney
Jason R. Thompson P66027
PO Box 708
Grayling, MI 49738
(989) 348-6141

Personal representative
Phyllis Hamilton
1866 Old Dam Road
Grayling, MI 49738
(989) 348-8524

**Public Input Session
Crawford County
Recreation Plan**

A public input session will be held on February 24, 2014 at 6pm in the Commissioner's Room in the Crawford County Building, located at 200 W. Michigan Ave, Grayling. All interested parties are invited to participate and provide input on recreation improvements, additions and programs for consideration in the Crawford County Recreation Plan which is currently being updated. For additional information contact Justin Andre, Grayling Recreation Authority at 989-348-9266 or via e-mail at hansonhills@hotmail.com. DPW Director

**TAXPAYERS OF MAPLE
FOREST TOWNSHIP**

The Maple Forest Township Board of Review will hold its organizational meeting on March 4, 2014 at 9 am.

The Board of Review will meet with the public on:

Mon., March 10, 2014	9am - noon 1pm - 4pm
Thurs., March 13, 2014	1pm - 4pm 6pm - 9pm

All meetings will be held at the township hall, located at 8996 N. Sherman Rd.

The purpose of these meetings will be to hear petitioners who wish to appeal their assessments, classifications, and to answer any questions pertaining to the tax roll.

**PUBLIC HEARING INPUT
MEETING NOTICE
CITY OF GRAYLING
PARKS & RECREATION IS
CONSIDERING
APPLYING FOR A MICHIGAN
NATURAL RESOURCES
TRUST FUND GRANT AND TO
COMMIT PUBLIC FUNDS**

The City of Grayling Parks & Recreation Committee is in the process of applying for a Michigan Natural Resources Trust Fund Grant for a Non-Motorized

Recreation Public Input Session Summary Notes:

Crawford County Recreation Committee
February 24, 2014 notes

Acquisitions:

- Dog Park
- River Access
- Senior Center/community

Other Improvements:

- Stage/entertainment (portable)
- Lodge Improvements (Hanson Hills)
- Archery Building – improvements (Hanson Hills)
- Fish Ladder at Hatchery – open approx. 12.8 mile of river

Recreation Facilities:

- Grayling Bark Park (Dog Park)
- Senior Center/Community Center (coordinate with High School?)
 - Indoor & Outdoor tracks
- Indoor Recreation Facility
- Restrooms/Trailheads – extended hours
- Informational signage/kiosks
- Sportsplex improvements

Recreation Trails:

- Water Trails – trailheads
- Fitness Trail (City) – all ages & abilities
- ORV Trails/Snowmobile – expansion wide for side by side
- Winter Biking (Fat Bikes)
- Hanson Hills – separate trail grooming (future)
- Snowshoe Trails – additional mileage (raise awareness of opportunities)
- Horse Trails – awareness
- Birding Trails
- NEMCOG – UpNorth Trails –partners
- NWMCOG
- Friends of Mason Track – trail grooming X-C ski classic
- Rayburn Estate – trail work maintenance and repair
- Trail Designation - State

Crawford County Master Plan and Recreation Plan Public Hearing Notice:

6B - CRAWFORD COUNTY AVALANCHE - Thursday, May 22, 2014

Legal Action

2014, on which mortgage there is claimed to be due at the date hereof the sum of One Hundred Twenty-Two Thousand Nine Hundred Fifty-Nine and 62/100 Dollars (\$122,959.62). Under the power of sale contained in said mortgage and the statute in such case made and provided, notice is hereby given that said mortgage will be foreclosed by a sale of the mortgaged premises, or some part of them, at public vendue, at the place of holding the circuit court within Crawford County, at 10:00 AM, on June 4, 2014. Said premises are situated in Township of Beaver Creek, Crawford County, Michigan, and are described as: The Northeast quarter of the Northeast quarter of the Northwest quarter of the Northeast quarter, Section 36, Town 25 North, Range 3 West. The redemption period shall be 6 months from the date of such sale, unless determined abandoned in accordance with MCLA 600.3241a, in which case the redemption period shall be 30 days from the date of such sale. If the property is sold at foreclosure sale under Chapter 32 of the Revised Judicature Act of 1961, pursuant to MCL 600.3278 the borrower will be held responsible to the person who buys the property at the mortgage foreclosure sale or to the mortgage holder for damaging the property during the redemption period. Dated: May 1, 2014 For more information, please call: FC C (248) 593-1301 Trott & Trott, P.C. Attorneys For Servicer 31440 Northwestern Hwy Ste 200 Farmington Hills, Michigan 48334-5422 File #437676F01 (05-01)(05-22)

NOTICE OF

provided for in said Mortgage, and no suit or proceedings at law or in equity have been instituted; to recover the moneys secured by said Mortgage, or any part thereof, NOT TO BE FORECLOSED BY THE property may be redeemed during the thirty (30) days immediately following the sale. KENNETH C. BUTLER II (P 28477) ATTORNEY FOR MORTGAGEE 24525 Harper Avenue St. Clair Shores, MI 48080 (586) 777-0770 Dated: 4-24-14 (04-24)(05-22)

NOTICE

IF YOU ARE NOW ON ACTIVE MILITARY DUTY OR HAVE BEEN IN THE PRIOR ONE YEAR, PLEASE CONTACT OUR OFFICE AT 248-502-1400. MORTGAGE SALE - Default has been made in the conditions of a mortgage made by Alfred Parham and Shirley A. Parham (husband and wife), to Mortgage Electronic Registration Systems, Inc., as nominee for lender and lenders successors and/or assigns, Mortgagee, dated December 14, 2012 and recorded January 25, 2013 in Liber 712, Page 95, Crawford County Records, Michigan; Said mortgage is now held by Caliber Home

Loans, Inc. by assignment. There is claimed to be due at the date hereof the sum of Sixty-Eight Thousand Six Hundred Sixty-Eight and 96/100 Dollars (\$68,668.96) including interest at 12.5% per annum. Dated: May 8, 2014

Orlans Associates, P.C., Attorneys for Servicer P.O. Box 5041 Troy, MI 48007 File No. 14-004310 (05-08)(05-09)

May 13, 2014

Regular Board Meeting and Annual Meeting Unapproved

Crawford County Master Plan/Recreation Plan Public Hearing June 4, 2014

The Crawford County Planning commission will hold a public hearing on the draft Crawford County 2014 Master Plan, including Recreation on Wednesday, June 4, 2014, beginning at 6pm in the Commissioner's Room in the Crawford County Building, located at 200 W. Michigan Ave, Grayling. All interested parties are invited to participate and provide input on the draft plan. A copy of the draft plan is available for review at the Crawford County website www.crawfordcounty.org or at the Crawford office of Building and Zoning. For additional information or to submit comments in advance, contact Planning Commission chair, Cris Jones at cjones@charter.net, P.O. Box 834, Roscommon, MI 48653 or by phone at (989) 275-6247.

CRAWFORD COUNTY HOUSING VACANCY

THE CRAWFORD COMMISSIONERS ARE ACCEPTING APPLICATIONS FOR A COMMISSION.

APPLICANTS ARE TO BE IN THE HOUSING STUDY AND PARTICIPATE IN THE HOUSING STUDY WHICH TAKE PLACE APPLICATIONS CAN BE SUBMITTED TO COUNTY CLERK MONDAY JUNE 9TH, 2014 OBTAINED ON LINE TO RETURN TO CRAWFORD COUNTY CLERK, SANDRA MOORE, COUNTY CLERK MAY 12, 2014

CRAWFORD COUNTY COMMISSION ON AGING BOARD VACANCY


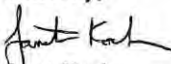
THE CRAWFORD COUNTY BOARD OF COMMISSIONERS IS PRESENTLY ACCEPTING APPLICATIONS FOR THE COMMISSION ON AGING BOARD.

THE COMMISSION ON AGING BOARD PROVIDES AND INITIATES PROGRAMS TO HELP PROMOTE THE WELL BEING AND INDEPENDENCE OF SENIOR CITIZENS WITHIN THE COUNTY. THE BOARD PARTICIPATES IN THE MANY DECISIONS WHICH TAKE PLACE AT MONTHLY MEETINGS. APPLICATIONS CAN BE OBTAINED FROM AND SUBMITTED TO COUNTY CLERK, SANDRA MOORE BY MONDAY

NOTICE TO ELECTORS OF GRAYLING OF INTENDING TO SECURE BONDS BY THE POWER OF THE CITY AND REFERENDUM THE

PLEASE TAKE NOTICE that the City Council of the City of Crawford, Michigan, intends to issue and sell improvement bonds pursuant to Act 34, Public Act 1964, amended, in an amount not to exceed One Million Dollars (\$1,450,000), for the purpose of financing the construction of sewer treatment facility.

Comments Received from Antrim County:

 <p>P.O. Box 187 Bellaire, Michigan 49615</p> <p>Phone: (231) 533-6265 Fax: (231) 533-8111 www.antrimcounty.org</p> <p>Peter Garwood <i>Administrator</i></p> <p>Janet Koch <i>Associate Planner</i></p> <p>Tina Schrader <i>Administrative Assistant</i></p> <p>Katie Verellen <i>Secretary</i></p>	<p style="text-align: center;"><i>County of Antrim Planning Department</i></p> <hr/> <p>May 8, 2014</p> <p>Ms. Mary Campbell 504 Liberty Street Petoskey, MI 49770</p> <p>Dear Mary:</p> <p>Thank you for the opportunity to review and comment on the draft of Crawford County's Master Plan. At their regular meeting on May 6, 2014 the Antrim County Planning Commission reviewed the plan and made the following motion:</p> <p><i>Motion by Rick Teague, seconded by Karen Bargy, that the proposed Crawford County Master Plan does not conflict with the Antrim County Master Plan, and to include the staff review with a letter to Crawford County. Motion carried – unanimous.</i></p> <p>Attached is the Planning Department's staff report. If you have any questions, please do not hesitate to call.</p> <p>Sincerely,  Janet Koch Associate Planner</p>
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Crawford County Master Plan 2014

Staff Review by Antrim County Administration / Planning Department
Janet Koch, Associate Planner

Crawford County contacts Antrim County at the northwest corner of Crawford County. (See map on following page.) Per state statute, proposed master plans are sent to adjacent townships and counties.

The plan review's primary responsibility, per the Michigan Planning Enabling Act, P.A. 33 of 2008 as amended, is to state if the proposed master plan is considered to be inconsistent with Antrim County's master plan.

Guidelines from the Michigan Association of Planning recommend that the following topics be considered while reviewing a master plan:

- Border Issues
- Issues of greater than local concern
- Comparison with local plan contents
- Comparison with county/regional plan contents
- Comparison to other relevant adopted plans (i.e., historic preservation plan, local wetland protection plan, TIF or brownfield redevelopment plan, etc.)
- Comparison to various implementation strategies.

Per the Planning Enabling Act, a county's comments to a township, village, or other county regarding their proposed master plans are advisory only.

Staff Comments

The way the two master plans treat their lands near the contact point is slightly different. Antrim County's future land use designation for that portion of the county is "Public Recreation," while Crawford County's generalized future land use map designates the northwest part of their county as "Public/Conservation/Open Space."

Note: Antrim County's future land use map is the master plan's Map 11-1; Crawford County's generalized future land use map is on their page 10-3.

Add'l note: Antrim County's Mancelona Township, the contact point to Crawford County, is not a zoned community.

Antrim County's Public Recreation land use is described as "publicly owned lands that offer recreation, wildlife habitat, and visual beauty." (See page 11-3.) There does not appear to be any definition of Public/Conservation/Open Space in Crawford County's proposed master plan, or for any of their future land uses. On page 10-1 the future uses are listed as "ten broad future land use categories." On page 10-4, the county's broad categories are compared to the future land uses utilized by each of the local units of government.

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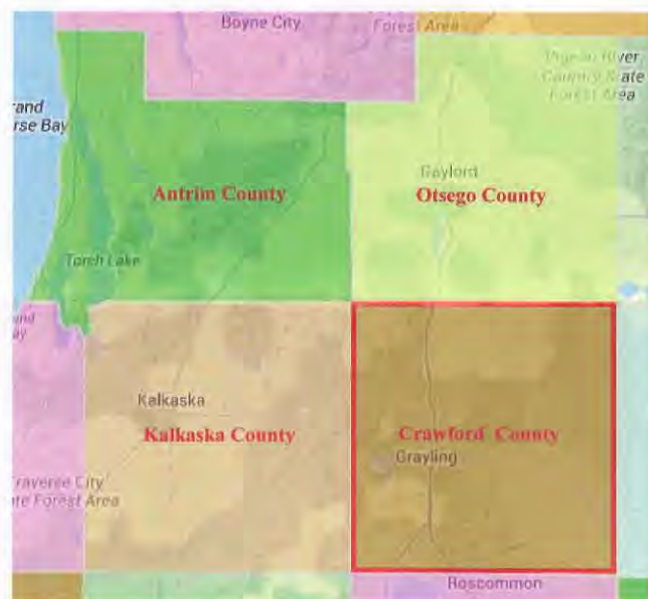
The Goals and Objectives in Crawford County's Master Plan (pages 8-1 through 8-8) have a large overlap with the Guiding Principles for Antrim County's Master Plan. Both plans make recommendations for preserving the natural environment, providing a variety of housing, using established infrastructure, and improving the local economies.

There are, however, two goals for Crawford County that are not part of Antrim County's master plan. One is a goal regarding wildfire protection, the other is a goal regarding local planning efforts. Objectives for this goal include assisting local communities with planning needs and facilitating land use education programs.

Other points of interest regarding Crawford County's proposed master plan are:

- Over 70% of the land in Crawford County is publicly owned (see table pg. 5-1)
- Zoning for the seven local units of government in the county is summarized on pages 7-4 through 7-10
- Crawford County's detailed list of recreational goals and objectives (6-20 through 6-24) compared to Antrim County recreation plan's narrative of recreational needs (pages 31-41)

While there are differences between the Antrim County and Crawford County's master plans, the primary differences are likely a result of the large tracts of state forest in Crawford County. Staff sees no major conflicts or inconsistencies between the two plans.



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Comments Received From Department of Natural Resources:

**Crawford County, Michigan
Michigan DNR Briefing to the County Planning Commission
With Regards to the County Master Plan
May 5, 2014 – County Court House – 2 PM**

In Attendance: From the DNR; Amy Swanston, Recreation Specialist, Dan Mullen, Supervisor of Parks & Recreation Division (Roscommon), Kerry Wieber, Forest Resources Division, Steve Milford, Supervisor of Forest Resources Division (Gaylord), and Susan Thiel, Forest Resources Unit Manager (Grayling). From the County; Paul Compo, Comptroller, Joe Duran, Building & Zoning, and Dave Stephenson, County Commissioner. From Grayling Charter Township; Rick Harland, Supervisor. From Lovells Township; Gary Neumann, Supervisor.

Briefing opened with remarks by Wieber and the passing out of “DNR Northern Lower News” and “New Hunting/Fishing/ORV License Fees” info sheets.

Specific DNR comments on the proposed Crawford County Master Plan included, but were not limited to:

- Oil and gas leases. DNR is in charge of these leases. They may lease (without structures/equipment allowed) if adjacent private property has been leased for oil/gas and they believe the private property lease will extend under SOM property.
- Safety of drilling/fracking commented on. MI rules on safety very stringent per Wieber. Wieber stated that PA, for example, had essentially no rules and when the drilling/fracking boom occurred there they were forced to play catch up.
- Regarding Camp Grayling. Military use is the primary use of the acreage but the DNR continues to manage the Recreation and Woodland areas (exclusive of the impact ranges, of course) of the Camp, per Thiel.
- Per Thiel the *primary* nesting areas of Kirkland Warblers are in Crawford and Roscommon Counties but those are not the *only areas* and the Master Plan should reflect that.
- As presented in the Master Plan the T & E (Threatened and Endangered) listing is outdated.
- On page 424 of the Master Plan Kolka Creek is spelled with a “C”.
- Recreational acreage in Crawford County as stated in the Master Plan does not match Thiel’s estimate of such land, and by a significant amount. Discussion ensued about the best way to list such acreage. Consensus opinion was breaking down such acreage by County/Township acres, then SOM acres that are developed acreage (like parks, camp grounds, lake/river access sites, etc.) plus trail mileage (ORV, snowmobile, hiking/biking, etc.) plus undeveloped acreage used primarily for hunting, birding and the like. DNR will provide appropriate acreage/mileage numbers to Duran and Compo.
- A clerical error exists in Chapter 5 of the Master Plan due to multiple paragraphs being repeated.

- On page 617 of the Master Plan Ray's Canoe Livery is listed and it is no longer in business. Thiel recommends that Carlisle replace Ray's.
- The DNR is currently working on "Water Trails" and one of the first ones to be developed will be the Au Sable River.
- Chapter 9 of the current Master Plan was obviously, based on the draft, a significantly "out of date" chapter. Specifically, Thiel addressed proposed industrial and commercial acreage in Lovells Township that Neumann was unaware of. Thiel suggested that, from her recollection, many of the "proposals" contained in Chapter 9 have already been resolved (implemented or discarded).
- Applicable to the above bullet and other plans for zoning/use changes as reflected in the Master Plan. The deed restrictions that existed when the SOM accepted the land along I-75 (speaking specifically of Hartwick Pines but also applicable to other acreage) must be maintained. This exempts much acreage from any zoning or use change(s).

At 3:18 PM a recapitulation of the briefing was provided by Wieber.

At 3:28 PM the briefing was concluded.

Respectfully Submitted,

Gary A. Neumann

Crawford County 2014 Master Plan Update

DNR Comments Received via e-mail:

Phillips, Kendal (DNR)

From: Swainston, Amy (DNR)
Sent: Wednesday, May 07, 2014 8:53 AM
To: Phillips, Kendal (DNR)
Cc: Wieber, Kerry (DNR); Mullen, Daniel (DNR)
Subject: Crawford County Developed Recreation

The following is information related to the developed recreation facilities in Crawford County for the Master Recreation Plan Update. This information was requested by Crawford County and assigned to me to assimilate. Please pass along the information to the appropriate representative per instructions Kerry left for you.

Developed Recreation Campsites: Total 616 campsites *see note below regarding USFS campsites

- 342 sites with in State Forest Campgrounds
- 274 sites with in a State Park

State Park Land 10,191 Acres

(North Higgins Lake State Park and Hartwick Pines State Park)

Acres of State Forest Campgrounds are not easily outlined as these are just indicated as points on my map sources.

State Designated Motorized Recreational Trails: access to over 319 Miles

- Access to over 69 Miles ORV Motorcycle / ATV Trails & Routes
- Access to over 250 Miles of Snowmobile Trails

State Designated Non-motorized Recreational Trails over 37 miles

- 11.5 miles on Mason Tract Pathway hiking trails
- 18 miles Hartwick Pines hiking and biking trails
- 8 miles North Higgins hiking and biking trails

Other non-state Designated Trail System (These are trails predominantly administrated by other organizations that we work with on Forest land not included in the designated trail data above.)

- Michigan Shore-to-Shore Riding/ Hiking Trail – Michigan Trail Riders Association
- Midland to Mackinaw Hiking Trail – Lake Huron Area Council, Boy Scouts of America

I would suggest contacting USFS for the most recent data on Wakeley Lake and Kneff Lake hiking trails, acreage, and campsites. The latest data I had indicated the following: (It is not included in the above data / information provided above)

- 30 Campsite sites with in United States National Forest (Kneff Lake(26) and Wakeley Lake(4))
- 16.5 Miles of trails at Wakeley Lake

Amy Swainston
Acting Recreation Specialist Roscommon District
Michigan Department of Natural Resources

Roscommon Operation Service Center
Landline Phone: 989-275-5151 Ext.2044

Crawford County 2014 Master Plan Update

From: Phillips, Kendal (DNR) [<mailto:PhillipsK4@michigan.gov>]

Sent: Tuesday, May 13, 2014 6:00 PM

To: Paul Compo (pcompo@crawfordco.org)

Cc: Wieber, Kerry (DNR)

Subject: Crawford County Master Plan - Wildlife

Paul,

With one exception the species list for Table 4.6 that you sent me earlier agrees with the MNFI database search I performed this morning. The only exception involves *Great Lakes physa*. From what I understand the 1939 Crawford County occurrence for that species is no longer recognized.

After reviewing the Fish and Wildlife section on pages 4-16 thru 4-19 the local biologist and I decided to send you several documents regarding the most current bovine TB test results. I believe that you will find many statistics within these documents that can be used to update your narrative.

Finally I have attached the most recent version of our Deer Management Unit map in case you want to include that.

Let me know if we can provide anything further to help with the update of the Master Plan.

Ken Phillips
Land Use Specialist
Grayling Field Office
989-348-6371 ext. 7447
phillipsk4@michigan.gov

Crawford County 2014 Master Plan Update

From: Phillips, Kendal (DNR) [<mailto:PhillipsK4@michigan.gov>]
Sent: Monday, May 12, 2014 2:25 PM
To: Paul Compo (pcompo@crawfordco.org)
Subject: Table 4.7

Paul,

I noticed that this table appears to be out of date. You may want to check with your DEQ contacts to get more current information.

Ken Phillips
Land Use Specialist
Grayling Field Office
989-348-6371 ext. 7447
phillipsk4@michigan.gov

From: Phillips, Kendal (DNR) [<mailto:PhillipsK4@michigan.gov>]
Sent: Monday, May 12, 2014 1:20 PM
To: pcompo@crawfordco.org
Subject: Master Plan

Paul,

Attached are updates provided to me by Amy Swainston from Parks and Recreation Division. Give Amy a call if you have any questions regarding what she provided.

I am still working on getting the Wildlife Division updates. Since I was not at the May 5th meeting can you please give me a call - I want to make sure you are getting what you need.

Thanks,

Ken Phillips
Land Use Specialist
Grayling Field Office
989-348-6371 ext. 7447
phillipsk4@michigan.gov

I don't think I have forwarded this along but if I did, please disregard, or forward it to someone I have missed.

Thanks

Paul

From: Wieber, Kerry (DNR) [<mailto:WieberK4@michigan.gov>]
Sent: Tuesday, May 06, 2014 12:11 PM
To: Paul Compo; Phillips, Kendal (DNR)
Cc: Milford, Steven (DNR)
Subject: RE: Crawford County Master Plan Information

Thanks Paul! Also, as promised, attached is the summary of the Phase II Land Review that the DNR completed back in 2008 that was mentioned in the draft Master Plan document. The information for Crawford County is on the front page.

Thanks!
Kerry

From: Paul Compo [<mailto:pcompo@crawfordco.org>]
Sent: Tuesday, May 06, 2014 12:05 PM
To: Wieber, Kerry (DNR); Phillips, Kendal (DNR)
Cc: Milford, Steven (DNR)
Subject: RE: Crawford County Master Plan Information

Thanks Kerry, enjoy your time off....:-)

Crawford County Planning Commission Public Hearing Minutes:

**Crawford County
Planning Commission Regular Meeting – June 4, 2014
Unapproved Minutes**

Call to Order: Meeting called to order at 6:00 PM with Chairman Cris Jones presiding.

Agenda Approval: Motion to approve the agenda by Anderson, seconded by Harland; all ayes with no nays.

Roll Call: Present – Riley, Harland, Inman, Jones, Anderson, Podjaske, Feldhauser and Hulbert. Absent – Johnson. Guests - Joe Duran, Mary Campbell M.C. Planning and Design

Confirm Next Meeting: Motion to confirm the next regular meeting for 1:00 P.M., September 17, 2014 at the County Building by Riley, seconded by Podjaske; all ayes with no nays.

Approval of Minutes: Motion to approve minutes for the March 5, 2014 meeting by Harland, seconded by Riley; all ayes with no nays.

Communications:

- South Branch Township Zoning Ordinance Amendment: Motion to recognize and file by Hulbert, seconded by Anderson; all ayes with no nays.
- Grayling Township Notice of Intent to Update Master Plan: Contact card completed by Joe Duran and returned to Grayling Township.

Public Hearing - County Master Plan Public:

- Motion to suspend the Regular Meeting and open the Public Hearing by Harland, seconded by Anderson; all ayes with no nays.
- The following communications from the Michigan DNR were reviewed and addressed in the Master Plan. Commissioner Jones was requested to draft a letter to the DNR thanking them for their input.
 - Minutes of May 5, 2014 Meeting Between the MDNR and Crawford County Officials
 - May 6, 2014 Email from Kerry Weiber (DNR) Subject: County Master Plan Information
 - May 7, 2014 Email from Amy Swainston (DNR) Subject: Crawford County Developed Recreation
 - May 12, 2014 Email from Kendal Phillips (DNR) Subject: Master Plan
 - May 13, 2014 Email from Kendal Phillips (DNR) Subject: Table 4.
 - May 13, 2014 Email from Kendal Phillips (DNR) Subject: Wildlife
- Commissioner Anderson requested that solid waste be addressed in the Master Plan. He will work with Mary Campbell to update.
- Discussion indicated that invasive species and recreation disability access be addressed in the goals and objectives section of the Master Plan. Commissioner Jones to work with Mary Campbell to include
- Commissioner Harland indicated that the Grayling Township Future Land Use Map is in the process of being updated and requested that the County Master Plan update be delayed so that it can be included. The Future Land Use Map is expected by September 2014.
- Table 3.1 – delete Calvary Baptist Academy.

- Page 5-5 – “Balm-of-Gilead” questioned.
- Motion to close the Public Hearing and reopen the Regular meeting by Hulbert, seconded by Riley; all ayes with no nays.

New Business

- The consensus of the Planning Commission was to delay adoption of the Master Plan update until the September 2104 Regular Planning Commission meeting.

Old Business:

- Airport Zoning: Commissioner Jones requested that the current County Airport Zoning Ordinance which was adopted in 1982 be reviewed to assure that it is enforceable. Motion to have Commissioner Jones obtain a quotation for review of the County Airport Zoning Ordinance by Anderson, seconded by Inman; all Ayes and no Nays.
- Michigan Connect Initiative: Commissioner Jones reported that a Community kick-off meeting for the Connect Michigan Initiative is planned for the end of July 2014. The initiative will be lead by a small core team. Volunteers for the core team were requested. The following commissioners will be included in the core team – Rick Anderson, Erich Podjaske and Cris Jones.
- Grayling Trail Town Initiative – Commissioner Poddjaske reported that the Trail Town initiative is being combined with the Grayling Main Street initiative.

Persons Who Wish to Speak: None

Adjournment: Motion by Harland, second by Anderson to adjourn; all ayes with no nays.

Appendix B

Master Plan including Recreation Plan Adoption Process – Supporting Documents:

- County Board Minutes – approval to distribute
- County Board Resolution to Approve or Reject and to Distribute for comment to adjacent communities
- Planning Commission Master Plan Approval Minutes
- Planning Commission Resolution to Approve Master Plan
- County Board Adoption Minutes
- County Board Resolution to Adopt Master Plan
- Beaver Creek Township Recreation Plan Resolution – on file at Township
- Grayling Charter Township Recreation Plan Resolution – on file at Township
- Lovells Township Recreation Plan Resolution – on file at Township
- South Branch Township Recreation Plan Resolution – on file at Township
- Transmittal to Council of Governments

Crawford County Board of Commissioners

Regular Board Meeting of March 27, 2014

The Regular Meeting of the Crawford County Board of Commissioners was called to order by Chairman, Dave Stephenson, at 10:0 a.m. in the Crawford County Building, Grayling, Michigan the 27th day of March, 2014.

Invocation by Commissioner Stephenson.

Pledge of Allegiance led by Commissioner Anderson.

Roll Call: Stephenson, Wyman, Priebe, Pinkelman, and Anderson.

Absent – Munsey and Lewis.

Karen Martella, Chief Deputy Clerk - Present.

Paul Compo, County Controller - Present.

Others present at various times: Doug Pratt, Cris Jones and Dan Sanderson.

Approval of the Regular Board Minutes

Motion by Pinkelman, second by Wyman, to approve the minutes for the February 27, 2014 Regular Board Meeting as presented. Ayes () five, nays (0) none, absent (2) two, Motion Carried.

Approval of the Agenda

Motion by Anderson, second by Pinkelman, to amend the agenda to allow Chris Jones to present the County Master Plan. Ayes (7) seven, nays (0) none, absent (0) none, Motion Carried.

Brief Public Comment – None.

Open Invoice Report and Prepaid Vouchers

Motion by Anderson, second by Wyman, to authorize payment of the following claims:

General Fund:		Building & Zoning Fund	
Balance from "Open Invoice Rep"	\$43,212.93	Balance from "Open Invoice Report"	\$3,485.00
Prepaid Invoices	\$204,146.46	Prepaid Invoices	\$295.49
Gross Payroll	\$277,373.92	Gross Payroll	\$5,806.63
Total General Fund	\$524,733.31	Total Building & Zoning Fund	\$9,587.12
Millage/Road Patrol Fund		Sobriety Court	
Balance from "Open Invoice Report"	\$7,364.53	Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$1,901.48	Prepaid Invoices	\$3,922.22
Gross Payroll	\$27,767.15	Gross Payroll	\$8,391.99
	\$37,033.16	Total Sobriety Court Fund	\$12,314.21
Tri-County 46th Trial Court		MSU Cooperative Extension Fund	
Balance from "Open Invoice Report"	\$0.00	Balance from "Open Invoice Report"	
Prepaid Invoices	\$10,919.60	Prepaid Invoices	\$102.66
Total Tri-County Court	\$10,919.60	Gross Payroll	\$511.17
		Total MSU fund	\$613.83
Friend of the Court		Central Dispatch Fund	
Balance from "Open Invoice Report"	\$227.91	Balance from "Open Invoice Report"	\$240.06
Prepaid Invoices	\$4,424.64	Prepaid Invoices	\$211.34
Gross Payroll	\$21,538.92	Gross Payroll	\$34,340.54
Total Friend of the Court	\$26,191.47	Total Central Dispatch Fund	\$34,791.94
Family Counseling Fund		Courthouse Preservation Fund	
Balance from "Open Invoice Report"	\$0.00	Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$196.00	Prepaid Invoices	\$530.93
Total Family Counseling Fund	\$196.00	Total Courthouse Preservation Fund	\$530.93
DHD#10 Fund		Law Library Fund	
Balance from "Open Invoice Report"	\$0.00	Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$332.10	Prepaid Invoices	\$901.04
Total DHD#10 Fund	\$332.10		

		Total Law Library Fund	\$901.04
Airport Fund			
Balance from "Open Invoice Report"	\$4,799.20	Family/Probate Court	
Prepaid Invoices	\$411.97	Balance from "Open Invoice Report"	\$0.00
Gross Payroll	\$62.80	Prepaid Invoices	\$26,040.14
Total Airport Fund	\$5,273.97	Gross Payroll	\$14,749.58
		Total Family/Probate Court	\$40,789.72
Recycling Fund			
Balance from "Open Invoice Report"	\$0.00	Fish Hatchery Fund	
Prepaid Invoices	\$349.03	Balance from "Open Invoice Report"	\$0.00
Gross Payroll	\$482.42	Prepaid Invoices	\$201.47
Total Recycling Fund	\$831.45	Total Fish Fund	\$201.47
Landfill/Maintenance Fund			
Balance from "Open Invoice Report"	\$1,437.31	Sports Complex Fund	
Prepaid Invoices	\$241.84	Balance from "Open Invoice Report"	\$200.00
Gross Payroll	\$3,684.01	Prepaid Invoices	\$80.52
Total Landfill/Maintenance fund	\$5,363.16	Total Sports Complex fund	\$280.52
COPS in Schools Fund			
Balance from "Open Invoice Report"	\$0.00	Register of Deeds Technology Fund	
Prepaid Invoices	\$0.00	Balance from "Open Invoice Report"	\$12,946.50
Gross Payroll	\$6,857.90	Prepaid Invoices	\$0.00
Total COPS Fund	\$6,857.90	Total ROD Technology Fund	\$12,946.50
Soldiers and Sailors Relief Fund			
		Balance from "Open Invoice Report"	\$0.00
		Prepaid Invoices	\$1,005.56
		Total S&S Relief Fund	\$1,005.56

Roll Call: Anderson – aye, Lewis – absent, Munsey – absent, Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Motion Carried.

Approval Correspondence

Motion by Anderson, second by Pinkelman, to accept the correspondence and add The Michigan League for Public Policy as item 17 and the Northeast Michigan Council of Governments 2014 Directory as item 18. Ayes (5) five, nays (0) none, absent (2) two, Motion Carried.

Correspondence

1. Antrim County Board – Resolution in support of HB 5125; Resolution opposing SB 636 Landline Elimination; and Resolution in support of HB 5253.
2. Gratiot County Board – Resolution supporting restoration of the community mental health general fund appropriation.
3. Oceana County Board – Resolution in support of HB 5215 to reimburse a local tax collecting unit for any revenue lost as a result of the exemption for disabled Veterans pertaining to payment of property taxes.
4. Oscoda County Board – Resolution opposing SB 552 due to the adverse effects it will have on the revenue of local jurisdictions.
5. MAC - Legislative updates for February 28, and March 7 & 14, 2014. Commissioner Anderson gave an update on HB 5097 and requested a resolution in opposition.
6. Grayling Regional Chamber of Commerce – Business Expo, April 24 from 4 – 7 p.m.
7. 2-1-1 NE Michigan, Scott Redman, Executive Director – 2-1-1 2013 Annual Report.
8. NEMCSA – Assistance availability guidelines.
9. Jane Kozlowski – e-mail message to Commissioner Lewis regarding the need for Animal Shelter Funding. Copy of “The Future of Animal Control” Law & Policy brief attached.
10. Crawford-Roscommon Conservation District – 2-5-14 Minutes.
11. State Tax Commission – Notice of Walgreens Appeals with the Michigan Tax Tribunal.
12. Animal Shelter President – Request to place shelter bond on November 4, 2014 ballot. Discussion followed why this bond is to be placed on the ballot.

13. Lovells Supervisor – Replace Planning Commission Lovells representative Gary Neumann with Dennis Inman effective immediately.

Appointment of Planning Commission Member

Motion by Anderson, second by Wyman, to appoint Dennis Inman as the Lovells Township Representative on the Planning Commission (replacing Gary Neumann), for the remainder of the term, which expires 12-31-14. Ayes (5) five, nays (0) none, absent (2) two, Motion Carried.

14. Forgotten Eagles of MI – 2014 Itinerary RAM 8-8-14 11:15 @ Veterans Memorial
15. Michigan Association of County Veterans Counselors – MACVC hosting National Association of County Veterans Service Officers (NACVSO) Conference at Amway Grand June 8 – 13, 2014. The Board had previously approved DAV Rep Terry Fillmore to attend.
16. Road Commission – 5 year Surface Transportation and Improvement Program.
17. Michigan League for Public Policy – Making Ends Meet in Michigan.
18. NE MI Council of Governments – 2014 Directory.

County Master Plan Presentation

Cris Jones appeared on behalf of the Planning Commission to recommend the distribution of the County Master Plan for public review.

Motion by Anderson, second by Wyman, to authorize distribution of the Crawford County Master Plan 2014 update to adjacent Townships and Counties for the required comment period, and make plans available for public review in accordance with the Michigan Planning Enabling Act (PA 33 of 2008, as amended). Ayes (5) five, nays (0) none, absent (2) two, Motion Carried.

Department Reports

County Recycling Program

Controller Paul Compo inquired if the County was interested in renewing the recycling services contract from 4/1/14 through 3/31/15 as recommended by the Crawford County Recycling Council.

Motion by Wyman, second by Priebe, to authorize the County to enter into the Recycling Contract with Grayling Township for one year of recycling services from 4/1/14 through 3/31/15 in the amount of \$32,000. Roll Call: Lewis – absent, Munsey – absent, Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Anderson – aye, Motion Carried.

Block Grant Funding

Controller Paul Compo requested support for the block grant funding for the Crawford County Housing Commission.

Motion by Wyman, second by Priebe, to authorize the NE MI Community Service Agency, Inc. to assist in preparing the application for funding the Michigan State Housing Development Authority's 2014 Community Development Block Grant Fund. Roll Call: Munsey – absent, Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Anderson – aye, Lewis – absent, Motion Carried.

Controller Paul Compo remarked on the various topics he attended at the MAC Conference.

Unfinished Business

Veterans Wall Committee – By Laws

Motion by Priebe, second by Pinkelman, to adopt the Veterans Wall Committee By Laws as presented. Roll Call: Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Anderson – aye, Lewis – absent, Munsey – absent, Motion Carried.

Commissioner's Report

Commissioner Wyman – The Commissioner The Commissioner reported the Ways & Means Committee Report for Commissioner Lewis.

Executive Session Minutes

Motion by Wyman, second by Pinkelman, to approve the minutes of March 13, 2014 Executive Session as read. Ayes (5) five, nays (0) none, absent (2) two, Motion Carried.

Commissioner Priebe - The Commissioner advised the Hanson Hills paint ball event was a success. The Commissioner informed members that the Shelter is applying for a grant for seniors to receive free pet.

Commissioner Pinkelman – The Commissioner reported her Law Enforcement Committee recommendation.

Police Protection Millage Renewal Proposal for August 5, 2014 Primary Ballot

Motion by Pinkelman, second by Wyman, to place the Police Protection Millage Renewal Proposal on the August 5, 2014 ballot and to update the county millage rates due to the Headlee Rollback. Roll Call: Priebe – aye, Stephenson – aye, Wyman – aye, Anderson – aye, Lewis – aye, Munsey – aye, Pinkelman – aye, Motion Carried.

The Commissioner placed the Local Update of Census Addresses (LUCA) Program, from the MAC 3/24/14 Legislative Conference on file. The Commissioner indicated Crawford County needs someone in charge of the LUCA program and suggested E-911 Director, Larry Akers. The Commissioner gave updates from the MAC Conference. The Commissioner continues to meet with District 10 Health Department.

Commissioner Munsey – The Commissioner was absent.

Commissioner Anderson – The Commissioner advised he has no Personnel & Labor Committee recommendations to report. The Commissioner submitted NEMCOG reports and commented on the MAC Conference.

Commissioner Stephenson – The Commissioner updated the Board on the TIGER Grant and the Military involvement and impact on our county roads. The Commissioner reminded members that Jason Allen will attend the April committee meeting to discuss veteran's issues. The Commissioner remarked on the DNR sign issues to designate trails.

Commissioner Lewis – The Commissioner was absent.

New Business

Animal Shelter Bonds Millage Proposal

Motion by Pinkelman, second by Anderson, to approve the Animal Shelter Bonds millage Proposal language for the November 4, 2014 ballot. Commissioner Priebe requested she be allowed to abstain from the vote, due to a possible conflict. Roll Call: Stephenson – aye, Wyman – aye, Anderson – aye, Lewis – absent, Munsey – absent, Pinkelman – aye, Priebe – abstain, Motion Carried.

Extended Public Comment – None.

Announcements – None.

Adjournment

Motion by Pinkelman, second by Wyman, to adjourn the meeting at 11:10 a.m. Ayes (5) five, nays (0) none, absent (2) two, Motion Carried.

Dave Stephenson, Chairman
Board of Commissioners

Sandra Moore, County Clerk/Register

Karen Martella, Chief Deputy Clerk

RESOLUTION 102314PC

Right to Approve or Reject the Crawford County Master Plan

At a regular meeting of the County Board of Commissioners of Crawford County, Michigan, held at the Crawford County Building on the 23 day of Oct, 2014] at 11:00 [time].

Present: 7

Absent: 0

The following resolution was offered by Wynan and supported by Anderson

WHEREAS, the Michigan Planning Enabling Act (PA 33 of 2008, as amended) provides for the County Board of Commissioners to assert its right to approve or reject the plan;

NOW, THEREFORE, BE IT RESOLVED, that the Crawford County Board of Commissioners hereby asserts its right to exercise final approval or rejection of the Crawford County Master Plan.

ADOPTED by roll-call vote as follows:

AYES: 7

NAYS: 0

ABSENT: 0

RESOLUTION DECLARED adopted [adopted or rejected]

STATE OF MICHIGAN)

)

COUNTY OF CRAWFORD)

I, Sandra Moore, Clerk of Crawford County, Michigan, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Crawford County Board of Commissioners at a meeting held on the 23rd day of Oct, 2014 [month & year], the original of which is on file in my office. Public notice of said meeting was given pursuant to and in compliance with Act 267, Public Acts of Michigan 1976, as amended.

Sandra Moore

Sandra Moore, Crawford County Clerk

**Crawford County
Planning Commission Regular Meeting – September 17, 2014
Approved Minutes**

Call to Order: Meeting called to order at 1:00 PM with Chairman Cris Jones presiding.

Agenda Approval: Motion to approve the agenda by Johnson, seconded by Anderson; all ayes with no nays.

Roll Call: Present – Riley, Harland, Inman, Jones, Anderson, Johnson, Feldhauser and Hulbert. Absent – Podjaske. Guests - Joe Duran, Mary Campbell M.C. Planning and Design, Kerry Wieber Michigan DNR

Confirm Next Meeting: The next regular meeting is confirmed for 1:00 P.M. December 3, 2014 at the County Building by Riley.

Approval of Minutes: Motion to approve minutes for the June 4, 2014 meeting by Harland, seconded by Feldhauser; all ayes with no nays.

Communications:

- Lovells Township Master Plan Update Request for Comments: Motion to recognize and file by Anderson, seconded by Feldhauser; all ayes with no nays.

Old Business

- County Master Plan Update:
 - Mary Campbell from M.C. Planning and Design reviewed changes to the Master Plan as discussed in the June 4, 2014 meeting.
 - Motion by Hulbert, seconded by Johnson to approve Resolution 9-17-2014 in order to adopt the Master Plan update. The roll call vote was as follows:
 - Ayes: Anderson, Harland, Feldhauser, Inman, Hulbert, Johnson, Riley and Jones
 - Nays: None
 - Absent: Podajske
 - The Master Plan update will be presented at the next County Board of Commissioners meeting for final adoption.
- County Planning Commission Secretary: Commissioner Riley was nominated to fill the Secretary position effective immediately. Motion by Johnson, seconded by Anderson; all ayes with no nays.
- Expanded County Planning Commission Meeting Schedule: Commissioner Jones suggested that in order to make adequate progress on the Master Plan Goals and Objectives, that the meeting frequency be increased from quarterly to every other month. It was the consensus of the Board that the every other month schedule would be initiated starting with the 2015 meeting schedule. The meeting time will remain 1:00 PM.
- Airport Zoning: Mary Campbell, M.C. Planning and Design reported that the cost to review and update the 1982 Crawford County Airport Zoning Ordinance would be \$400. The Consensus of the Board was to recommend approval.
- Michigan Connect Initiative: Commissioner Jones reported that the kick-off meeting took place in on July 29, 2014. A follow-up meeting will be scheduled November. In the interim the Township Supervisors will be requested to

generate a map for their township that identify the underserved areas. Jones will attend the Supervisor meeting to make the request.

- Grayling Trail Town Initiative; No Report

New Business

- Potential Land Management Agreement Between the DNR and Camp Grayling: Kerry Wieber, Michigan DNR discussed the history and current status of the Camp Grayling request to expand the military base. The conclusion from the most recent meeting (June 2014) between the DNR and Camp Grayling was that there is no reasonable area to expand to the extent requested. It is possible that Camp Grayling will want to pursue a transportation corridor between the Camp and various artillery ranges at some time in the future. If expansion is formally requested by Camp Grayling, a Public Hearing will be a part of the approval process.

Persons Who Wish to Speak: None

Adjournment: Motion by Harland, second by Johnson.

A handwritten signature in black ink, appearing to read 'Cris E. Jones', is written over a horizontal line.

Cris E. Jones
Chairman, Crawford County Planning Commission

Crawford County Planning Commission
Resolution No. 091714 PC

WHEREAS, the Crawford County Planning Commission desires to adopt a master plan, including the Recreation Plan and has made the necessary inquiries, investigations and surveys of the appropriate resources of the county; and

WHEREAS, the master plan will promote the public health, safety and general welfare; to encourage the use of resources in accordance with their character and adaptability; to avoid the overcrowding of land by buildings or people; to lessen congestion on public roads and streets; to facilitate provision for a system of transportation, sewage disposal, safe and adequate water supply, recreation and other public improvements; and consider the character of the township and its suitability for particular land; and

WHEREAS, Crawford County has undertaken a Five Year Parks and Recreation Plan, as a component of the Master Plan, developed in partnership with the Grayling Recreation Authority, Beaver Creek Township, Grayling Charter Township, Lovells Township and South Branch Township, which describes the physical features, existing recreation facilities and the desired actions to be taken to improve and maintain recreation facilities during the period between 2015 and 2019, and

WHEREAS, a series of public meetings, including a recreation planning public forum, were held by the Crawford County Planning Commission at the Crawford County Building over the past eight months all of which provided opportunities for citizens to express opinions, ask questions, and discuss all aspects of the Recreation Plan and Master Plan, and

WHEREAS, the Crawford County Planning Commission has noticed and conducted a public hearing in accordance with the requirements of the Michigan Planning Enabling Act (Public Act 33 of 2008, as amended), said hearing was held on June 4, 2014, following distribution of the draft plan to the planning commissions of the adjacent townships and counties on April 1, 2014.

NOW, THEREFORE, BE IT RESOLVED, that the Crawford County Planning Commission hereby adopts the Crawford County 2014 Master Plan Update, including Recreation Plan, and recommends this plan to the Crawford County Board of Commissioners for adoption.

YEAS: 8

NAYS: 0

ABSENT: 1

RESOLUTION DECLARED ADOPTED/NOT ADOPTED.

I certify that the foregoing resolution was adopted by the Crawford County Planning Commission at its meeting on SEPT 17, 2014.


_____, Secretary
Crawford County Planning Commission

02-03-2015
Date

Crawford County Board of Commissioners Regular Board Meeting of October 23, 2014

The Regular Meeting of the Crawford County Board of Commissioners was called to order by Chairman, Dave Stephenson at 10:00 a.m. in the Crawford County Building, Grayling, Michigan the 23rd day of October, 2014.

Invocation by Commissioner Wyman.

Pledge of Allegiance led by Commissioner Anderson.

Roll Call: Stephenson, Anderson, Lewis, McClain, Pinkelman, Priebe and Wyman.

Absent – None.

Sandra Moore, County Clerk-Register of Deeds - Present.

Paul Compo, County Controller - Present.

Others present at various times: Trey Ayers, Wm Veltman, Tim Heliin, Kevin Hunter, Karen Martella, Bonnie Cherven, Lynnette Corlew, Darwin Booher, Bruce Rendon, Doug Pratt, Cris Jones, Ilene Geiss-Wilson, Kirk Wakefield and Dan Sanderson.

Approval of the Regular Board Minutes

Motion by Lewis, second by Wyman, to approve the Minutes for the September 25, 2014 Regular Board Meeting as presented. Ayes (7) seven, nays (0) none, absent (0) none, Motion Carried.

Approval of the Special Budget Board Minutes

Motion by Pinkelman, second by McClain, to approve the Minutes for the September 30, 2014 Special Budget Board Meeting as presented. Ayes (7) seven, nays (0) none, absent (0) none, Motion Carried.

Approval of the Agenda

Motion by Lewis, second by Pinkelman, to accept the agenda as presented. Ayes (7) seven, nays (0) none, absent (0) none, Motion Carried.

Brief Public Comment

State Representative Bruce Rendon advised he is working within District until after the election and is seeking his 3rd and final term in office for State Representative. Rep Rendon advised the State continues to seek a solution for the serious need for road repairs. The Representative is actively seeking an avenue for funding the interchange off North Down River Road.

Open Invoice Report and Prepaid Vouchers

Motion by Lewis, second by Wyman, to authorize payment of the following prepaid bills and claims:

General Fund:		COPS in Schools Fund	
Balance from "Open Invoice Report"	\$2,569.39	Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$193,208.41	Prepaid Invoices	\$0.00
Gross Payroll	\$280,765.60	Gross Payroll	\$6,891.05
Total General Fund		Total COPS Fund	\$6,891.05
Millage/Road Patrol Fund		Building & Zoning Fund	
Balance from "Open Invoice Report"	\$0.00	Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$3,512.63	Prepaid Invoices	\$4,104.95
Gross Payroll	\$32,262.38	Gross Payroll	\$5,916.82
Total Road Patrol fund	\$35,775.01	Total Building & Zoning Fund	\$10,021.77
Sobriety Court		MSU Cooperative Extension Fund	
Balance from "Open Invoice Report"	\$0.00	Balance from "Open Invoice Report"	
Prepaid Invoices	\$11,238.30	Prepaid Invoices	\$102.66
Gross Payroll	\$15,181.89	Gross Payroll	\$511.16
Total Sobriety Court Fund	\$26,420.19	Total MSU fund	\$613.82
Tri-County 45th Trial Court		Central Dispatch Fund	
Balance from "Open Invoice Report"	\$0.00	Balance from "Open Invoice Report"	\$720.00

Prepaid Invoices	\$4,471.20	Prepaid Invoices	\$1,550.32
Total Tri-County Court	\$4,471.20	Gross Payroll	\$32,023.97
		Total Central Dispatch Fund	\$34,294.29
Friend of the Court Balance from "Open Invoice Report"	\$0.00	Courthouse Preservation Fund Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$710.70	Prepaid Invoices	\$0.00
Gross Payroll	\$22,299.40	Total Courthouse Preservation Fund	\$0.00
Total Friend of the Court	\$23,010.10		
2013 HSGP Balance from "Open Invoice Report"	\$0.00	Law Library Fund Balance from "Open Invoice Report"	\$855.91
Prepaid Invoices	\$10,194.50	Prepaid Invoices	\$0.00
Total 2013 HSGP fund	\$10,194.50	Total Law Library Fund	\$855.91
Airport Fund Balance from "Open Invoice Report"	\$0.00	Family/Probate Court Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$291.55	Prepaid Invoices	\$32,258.53
Gross Payroll	\$66.29	Gross Payroll	\$15,715.17
Total Airport Fund	\$357.84	Total Family/Probate Court	\$47,973.70
DHD#10 Fund Balance from "Open Invoice Report"	\$0.00	Fish Hatchery Fund Balance from "Open Invoice Report"	\$180.19
Prepaid Invoices	\$408.60	Prepaid Invoices	\$0.00
Total DHD#10 Fund	\$408.60	Total Fish Fund	\$180.19
Recycling Fund Balance from "Open Invoice Report"	\$0.00	Sports Complex Fund Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$233.93	Prepaid Invoices	\$373.97
Gross Payroll	\$570.35	Total Sports Complex fund	\$373.97
Total Recycling Fund	\$804.28		
Landfill/Maintenance Fund Balance from "Open Invoice Report"	\$12,874.79	Soldiers & Sailors Relief Fund Balance from "Open Invoice Report"	\$0.00
Prepaid Invoices	\$587.38	Prepaid Invoices	\$250.00
Gross Payroll	\$3,701.45	Total Soldiers & Sailors	\$250.00
Total Landfill/Maintenance fund	\$17,163.62		

Roll Call: Anderson – aye, Lewis – aye, McClain – aye, Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Motion Carried.

Introduction of 35th State Senator Darwin Booher

35th State Senator Darwin Booher introduced himself to members of the Board. Crawford County is the 4th county in the state with the most state land and he is seeking an increase in funding for our county. Crawford will receive \$167,000 more in swamp tax and the PILT tax was paid in full last year and this year. Senator Booher indicated has implemented a pilot project for Child Support collections through Senator Caswell bills in Kent County under Senate Bills 973, 974, 975 & 1086. Chairman Stephenson advised he appreciates the efforts of both State Representative Rendon and Senator Booher on the road funding issue. Senator Booher advised the State is looking for a long term solution, and has reviewed 13 plans voted on 3 thus far. The Senator circulated his business cards and encouraged communication amongst the Board.

Library Board Interview

Lynnette Corlew interview conducted.

2014 Master Plan

Cris Jones, Planning Commission Chairman appeared to review the Countywide Master Plan. The Planning Commission has approved and must now request the county review and approve.

Motion by Wyman, second by Anderson, to adopt resolution 102314PC for Right to Approve the Crawford County Master Plan in accordance with the Michigan Planning Enabling Act. Roll Call: Lewis – aye, McClain – aye, Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Anderson – aye, Motion Carried.

Motion by Lewis, second by Priebe, to approve resolution 102314PC1 for approval of the County Wide Master Plan including the Recreation Plan, and all associated charts and maps. Roll Call: McClain – aye, Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Anderson – aye, Lewis – aye, Motion Carried.

STING Report / Meth Presentation

Prosecutor Trey Ayers, William Veltman, Tim Heliin and Sheriff Kirk Wakefield appeared to present the STING report / Meth Presentation.

Detective Tim Heliin explained the dangers of Methamphetamine and how addicting the drug is. STING at present has 353 drug cases and 44 of those cases are involving meth in Crawford County.

Prosecutor Trey Ayers advised Crawford County can hire the entire STING team (7 members) onsite for Crawford County for a mere \$30,000. Discussion ensued on why the issue wasn't brought before the budget process and how do we know what the county receives for their funding. Sheriff Wakefield advised this is an opportunity to have the entire team of 7, and how advantageous this offer is to his department. Representative Rendon advised Lake City had a meth lab near a school building in his county. Chairman Stephenson requested Lt. Keister attend the November 13, 2014 committee meeting to review options for the County.

2014 Millage Apportionment Report

Equalization Director, Kevin Hunter presented the 2014 Millage Apportionment Report. The County wide 2014 Personal Property Taxable Value was reviewed.

Motion by Lewis, second by Wyman, to approve the following 2014 Millage Apportionment Report:

Crawford County		Lovells Township	
Allocated	6.0925	Allocated	0.8072
Public Transit	0.7027	Voted-Landfill	0.0000
Comm on Aging	0.7185	Special Assessment	1.5796
Grayling Rec Authority	0.4845	by class	
Library Debt	0.0690	Total	2.3868
Library Operational	0.4458		
Sheriff Dept Operation	0.8917	Maple Forest Township	
Road	1.0000	Allocated	0.8149
Total	10.4047	Voted-Fire	1.0000
		Total	1.8149
Crawford AuSable School		South Branch Township	
Homestead Operation	6.0000	Allocated	0.8475
Non-Homestead Operation	18.0000	Voted-Road	1.0000
Debt Retirement	4.8000	Voted - Operation	0.9797
Total	28.8000	Total	2.8272
Roscommon Area Public Schools		Gaylord Community School	
Homestead Operation	6.0000	Homestead	6.0000
Non-Homestead Operation	18.0000	Non-Homestead Operation	18.0000
Debt Retirement	2.1600	Voted-Debt	3.3200
Total	25.1600	Extra Voted Operation	1.1379
		Total	28.4678
Kirtland Community College		C.O.P. Intermediate	
Voted-Operation	2.1093	Allocated	0.2597
Debt	0.1200	Voted-Extra	0.6418
Total	2.2293	Voted-Operation	0.8458
		Total	1.7473
COQR Intermediate		City of Grayling	
Allocated-Operation	0.2530	Charter Operation	17.8000
Voted-Special Ed	0.6329		
Total	0.8859	Grayling Township	
Beaver Creek Township		Allocated	0.8768
Allocated	0.9701		
Frederic Township			
Allocated	0.8468		
Voted-Fire	2.0000		
Voted-Ambulance	0.9500		
Total	3.7968		

Roll Call: Pinkelman – aye, Priebe – aye, Stephenson – aye, Wyman – aye, Anderson – aye, Lewis – aye, McClain – aye, Motion Carried.

Recess at 11:35 a.m. and reconvened at 11:45 a.m.

RESOLUTION # 102314PC
Crawford County Master Plan
County Board Approval

At a regular meeting of the County of Crawford, Michigan, held at the Crawford County Building on the 23rd day of Oct [month & year] at 2014 [time]. 11:00

Present: 7

Absent: 0

The following resolution was offered by Zewer and supported by Archie.

WHEREAS, the Crawford County Planning Commission adopted the Crawford County Master Plan, including the Recreation Plan at its meeting on September 17, 2014 and recommended the plan to the County Board of Commissioners for adoption as well; and

WHEREAS, Crawford County has undertaken a Five Year Parks and Recreation Plan, as a component of the Master Plan, developed in partnership with the Grayling Recreation Authority, Beaver Creek Township, Grayling Charter Township, Lovells Township and South Branch Township, which describes the physical features, existing recreation facilities and the desired actions to be taken to improve and maintain recreation facilities during the period between 2015 and 2019, and

WHEREAS, a series of public meetings, including a recreation planning public forum, were held by the Crawford County Planning Commission at the Crawford County Building over the past eight months all of which provided opportunities for citizens to express opinions, ask questions, and discuss all aspects of the Recreation Plan and Master Plan, and

WHEREAS, the Crawford County Planning Commission has noticed and conducted a public hearing in accordance with the requirements of the Michigan Planning Enabling Act (Public Act 33 of 2008, as amended), said hearing was held on June 4, 2014, following distribution of the draft plan to the planning commissions of the adjacent townships and counties on April 1, 2014.

WHEREAS, the Crawford County Board of Commissioners _____ asserted its right to approve or reject the plan in accordance with the Michigan Planning Enabling Act (PA 33 of 2008, as amended);

NOW, THEREFORE, BE IT RESOLVED, that the Crawford County Board of Commissioners hereby approves the Crawford County Master Plan including the Recreation Plan, and all associated charts and maps.

ADOPTED by roll-call vote as follows:

AYES: 7

NAYS: 0

ABSENT: 0

RESOLUTION DECLARED ADOPTED / NOT ADOPTED.

STATE OF MICHIGAN)

COUNTY OF CRAWFORD)

I, Sandra Moore, Clerk of Crawford County, Michigan, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the Crawford County Board of Commissioners at a meeting held on the 23 day Oct of 2014 [month & year], the original of which is on file in my office. Public notice of said meeting was given pursuant to and in compliance with Act 267, Public Acts of Michigan 1976, as amended.

Sandra

Sandra Moore, Crawford County Clerk

M. C. Planning & Design

Community Planning Site Planning Landscape Architecture

Letter of Transmittal

If transmitted items are not as noted, notify writer immediately.

To: Northeast Michigan Council of Governments
P.O. Box 457
Gaylord, MI 49734

Date: February 4, 2015

Attn: Diane Rekowski, Executive Director

Transmitted By: ☐ Regular Mail ☐ Overnight Delivery

☐ Hand Delivered

RE: Crawford County 2014 Master Plan Update, including
Recreation Plan

☐ Picked Up By:

☒ Other: e-mail

We are transmitting 1 copy(s) of the following:

<input type="checkbox"/> Certification for Payment No.	<input type="checkbox"/> Discs	<input type="checkbox"/> Prints	<input type="checkbox"/> Specs.
<input type="checkbox"/> Change Order No.	<input type="checkbox"/> Drawings	<input type="checkbox"/> Product Literature	<input type="checkbox"/> Tracings
<input type="checkbox"/> Construction Change Req. No.	<input type="checkbox"/> Field Measure Plans	<input type="checkbox"/> Samples	<input type="checkbox"/> Work Orders No.
<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Plans	<input type="checkbox"/> Shop Drawings	<input type="checkbox"/>

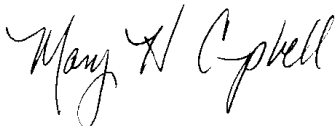
☒ Other: Crawford County 2014 Master Plan Update

For your: ☐ Action ☐ As Requested ☐ Information ☐ Review/Comment ☐ Use
☐ Approval ☐ Distribution ☒ Records /Files ☐ Signature

Remarks: Enclosed please find a copy of the Crawford County Master Plan Update including Recreation Plan. This Plan has been prepared to meet the DNR guidelines. As you are aware one of the DNR requirements is that a copy of the adopted Recreation Plan must be transmitted to the Regional Planning Agency. If you would like to receive a hard copy of this plan, please contact me.

Thank you for your attention to this matter.

Job No. CRA



By: Mary H. Campbell, ASLA, AICP

cc: Sandra Moore, Crawford County Clerk

Appendix C

DNR Certifications:

- Post-Completion Self-Certification Reports
 - Crawford County
 - Beaver Creek Township
 - Grayling Charter Township
 - Lovells Township
- Crawford County Recreation Plan - Plan Certification Checklist

Township Certification Checklists

- Beaver Creek Township – Plan Cert. Checklist (on file with Township)
- Grayling Charter Township – Plan Cert. Checklist (on file with Township)
- Lovells Township – Plan Cert. Checklist (on file with Township)
- South Branch Township – Plan Cert. Checklist (on file with Township)



Michigan Department of Natural Resources - Grants Management

**PUBLIC OUTDOOR RECREATION GRANT
POST-COMPLETION SELF-CERTIFICATION REPORT**

*This information required under authority of Part 19, PA 451 of 1994, as amended;
the Land and Water Conservation Fund Act of 1965, 78 Stat. 897 (1964); and Part 715, of PA 451 of 1994, as amended.*

GRANT TYPE: ☐ MICHIGAN NATURAL RESOURCES TRUST FUND ☐ CLEAN MICHIGAN INITIATIVE
(Please select one) ☒ LAND AND WATER CONSERVATION FUND ☐ RECREATION PASSPORT ☐ BOND FUND

GRANTEE: Crawford County

PROJECT 26-00776

PROJECT TYPE: Site Development

PROJECT TITLE: Wakely Bridge Access

PROJECT SCOPE: Fencing, picnic equipment and LWCF sign

TO BE COMPLETED BY LOCAL GOVERNMENT AGENCY (GRANTEE)

Name of Agency (Grantee)	Contact Person	Title
Crawford County	Paul Compo	Administrator
Address	Telephone	
200 W. Michigan Ave.	(989) 344-3202	
City, State, ZIP	Email	
Grayling, MI 49738	pcompo@crawfordco.org	

SITE DEVELOPMENT

Any change(s) in the facility type, site layout, or recreation activities provided?
If yes, please describe change(s). ☐ Yes ☒ No

Please refer to the attached boundary map. Has any portion of the project site been converted to a use other than outdoor recreation? If yes, please describe what portion and describe use. (This would include cell towers and any non-recreation buildings.) ☐ Yes ☒ No

Are any of the facilities obsolete? If yes, please explain. ☐ Yes ☒ No

Is the site and all facilities accessible to persons with disabilities? If no, please explain. ☐ Yes ☒ No

Pit toilets are not accessible. Landing is accessible.

List all additional existing development/facilities at the referenced project site. If the site is undeveloped, please describe the present use and provide a schedule for future development, including a list of proposed facilities.

No specific projects are currently being discussed. The county remains open to opportunities to improve the site for all who would like to visit.

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

SITE QUALITY

Is there a park entry sign which identifies the property or facility as a public recreation area?
If yes, please provide a photograph of the sign. If no, please explain.

☒ Yes ☐ No

Are the facilities and the site being properly maintained? If no, please explain.

☒ Yes ☐ No

Are there any features near the site which would detract from the use and enjoyment of the site or would pose a health or safety problem? If yes, please explain.

☐ Yes ☒ No

Is vandalism a problem at this site? If yes, explain the measures being taken to prevent or minimize vandalism.

☐ Yes ☒ No

Is maintenance scheduled on a regular basis? If yes, give schedule. If no, please explain.

☐ Yes ☒ No

Site visited periodically for maintenance. Not regularly scheduled.

GENERAL

Is a Program Recognition plaque permanently displayed at the site? If yes, please provide a photograph. (Not required for Bond Fund Grants)

☐ Yes ☒ No ☐ N/A

Is any segment of the general public restricted from using the site or facilities?
(i.e. resident only, league only, boaters only, etc.) If yes, please explain.

☐ Yes ☒ No

Is a fee charged for use of the site or facilities? If yes, please provide fee structure.

☐ Yes ☒ No

What are the hours and seasons for availability of the site?

24/7

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

COMMENTS (ATTACH SEPARATE SHEET IF MORE SPACE IS NEEDED)

CERTIFICATION

I do hereby certify that I am duly elected, appointed and/or authorized by the Grantee named above and that the information and answers provided herein are true and accurate to the best of my personal knowledge, information and belief.

Paul C. Compo
Please print

Paul C. Compo
Grantee Authorized Signature

2/28/14
Date

CRIS E. JONISS
Please print

CRIS E. JONISS
Witness Signature

2/28/14
Date

Send completed report to: POST COMPLETION GRANT INSPECTION REPORTS
GRANTS MANAGEMENT
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PO BOX 30425
LANSING MI 48909-7925

**PUBLIC OUTDOOR RECREATION GRANT
POST-COMPLETION SELF-CERTIFICATION REPORT**

*This information required under authority of Part 19, PA 451 of 1994, as amended;
the Land and Water Conservation Fund Act of 1965, 78 Stat. 897 (1964); and Part 715, of PA 451 of 1994, as amended.*

GRANT TYPE: ☐ MICHIGAN NATURAL RESOURCES TRUST FUND ☐ CLEAN MICHIGAN INITIATIVE
(Please select one) ☐ LAND AND WATER CONSERVATION FUND ☐ RECREATION PASSPORT ☒ BOND FUND

GRANTEE: Crawford CountyPROJECT NUMBER: BF91-295PROJECT TYPE: DevelopmentPROJECT TITLE: Hanson Hills Recreation AreaPROJECT SCOPE: Mechanical snowmaking equipment**TO BE COMPLETED BY LOCAL GOVERNMENT AGENCY (GRANTEE)**

Name of Agency (Grantee)	Contact Person	Title
CRAWFORD COUNTY	Paul Compo	Administrator/Controller
Address	Telephone	
200 W. Michigan Ave.	(989) 344 - 3202	
City, State, ZIP	Email	
Grayling, MI 49738	pcompo@crawfordco.org	

SITE DEVELOPMENT

Any change(s) in the facility type, site layout, or recreation activities provided?
If yes, please describe change(s).

☐ Yes ☒ No

Has any portion of the project site been converted to a use other than outdoor recreation? If yes, please describe what portion and describe use. (This would include cell towers and any non-recreation buildings.)

☐ Yes ☒ No

Are any of the facilities obsolete? If yes, please attach a letter of obsolescence stating what facility is now obsolete and what has been done or is planned to be done with the site the facility was located on.

☒ Yes ☐ No

The building that housed the Fred Bear Museum was razed in 2008. See map

SITE QUALITY

Is there a park entry sign which identifies the property or facility as a public recreation area?
If yes, please provide a photograph of the sign. If no, please explain.

☒ Yes ☐ No

see pictures included

Are the facilities and the site being properly maintained? If no, please explain.

☒ Yes ☐ No

Is vandalism a problem at this site? If yes, explain the measures being taken to prevent or minimize vandalism.

☐ Yes ☒ No

POST COMPLETION SELF-CERTIFICATION REPORT - CONT'D

Is maintenance scheduled on a regular basis? If yes, give schedule. If no, please explain.

☒ Yes ☐ No

There is a full time employee on site that preforms all needed maintenance.

GENERAL

Is a Program Recognition sign permanently displayed at the site? If yes, please provide a photograph. (Not required for Bond Fund Grants)

☐ Yes ☐ No ☒ N/A

Is any segment of the general public restricted from using the site or facilities? (i.e. resident only, league only, boaters only, etc.) If yes, please explain.

☐ Yes ☒ No

Is a fee charged for use of the site or facilities? If yes, please provide fee structure.

☒ Yes ☐ No

Access to the site is allowed. Seasonal rates apply for skiing and Tubing activities

(see brochure) There may also be a requested donation for some of the other activities.

What are the hours and seasons for availability of the site?

The site operates year long. Activities include skiing, tubing, cross county skiing,

COMMENTS (ATTACH SEPARATE SHEET IF MORE SPACE IS NEEDED)

~~XXXX~~ Disc golf, softball etc.

POST COMPLETION SELF-CERTIFICATION REPORT - CONT'D

CERTIFICATION

I do hereby certify that I am duly elected, appointed and/or authorized by the Grantee named above and that the information and answers provided herein are true and accurate to the best of my personal knowledge, information and belief.

Paul C. Compo

Please print

Paul C. Compo
Grantee Authorized Signature

September 25, 2014

Date

Lori Sheltrown

Please print

Lori Sheltrown
Witness Signature

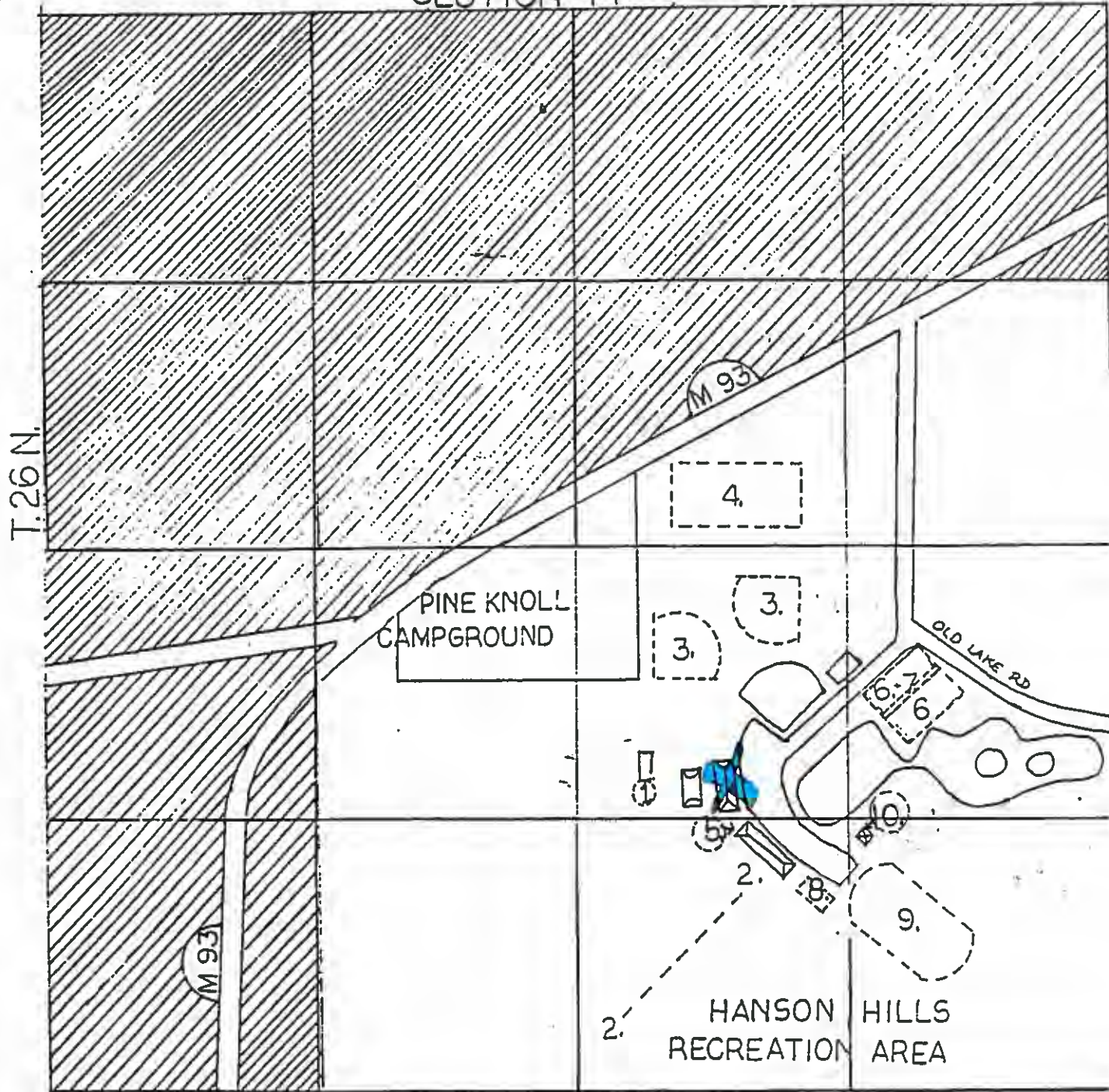
September 25, 2014

Date

Send completed report to:

POST COMPLETION GRANT INSPECTION REPORTS
GRANTS MANAGEMENT
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PO BOX 30425
LANSING MI 48909-7925

SECTION 14



SCOPE ITEMS

1. GROOMER/SNOW PUSHER
2. MECH. SNOW MAKING
3. TWO BALL DIAMONDS
4. SOCCER FIELD
5. RESTROOM RENOVATION
6. TWO TENNIS COURTS W/
7. ONE BASKETBALL COURT
8. FIVE SHUFFLE BOARD COURTS
9. OUTDOOR SKATING RINK
10. ADDITIONAL RESTROOMS

PRELIMINARY SITE
DEVELOPMENT PLAN &
LEGAL BOUNDARIES

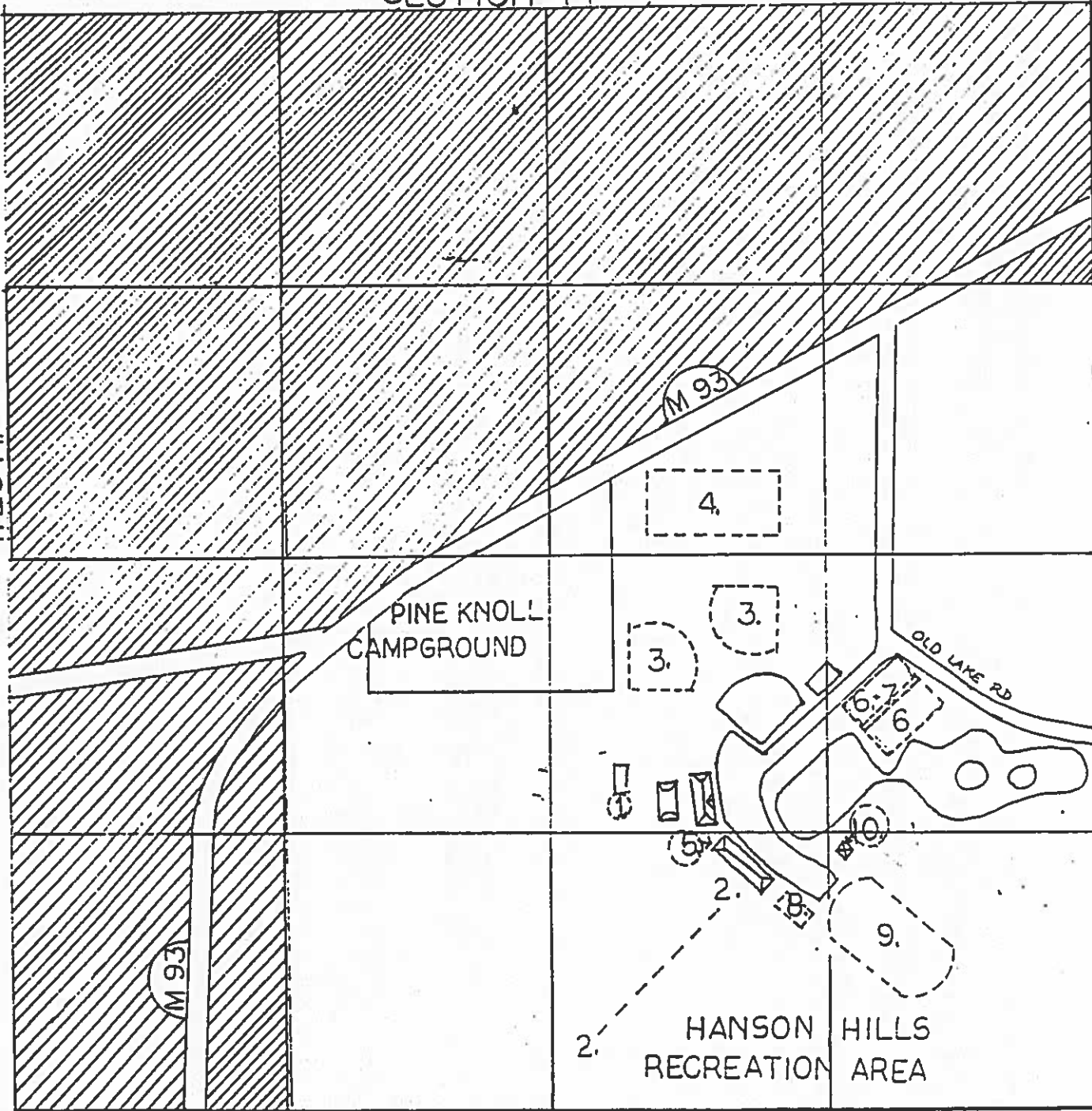
8" = 1 MILE

NOT PART OF
RECREATION AREA



SECTION 14

T.26 N.



R.4 W.

SCOPE ITEMS

1. GROOMER/SNOW PUSHER
2. MECH. SNOW MAKING
3. TWO BALL DIAMONDS
4. SOCCER FIELD
5. RESTROOM RENOVATION
6. TWO TENNIS COURTS w/
7. ONE BASKETBALL COURT
8. FIVE SHUFFLE BOARD COURTS
9. OUTDOOR SKATING RINK
10. ADDITIONAL RESTROOMS

PRELIMINARY SITE
DEVELOPMENT PLAN &
LEGAL BOUNDARIES

8" = 1 MILE

NOT PART OF
RECREATION AREA



2. The use herein of the words "project area" shall mean the area described below (Legal Description) and shown on the attached boundary map.

SEE ATTACHED.

3. The use herein of the word "facilities" shall mean the following individual components of the above-described overall project for which the GRANT RECIPIENT requested assistance:

1. Two (2) Ballfields
2. One (1) Soccer Field
3. Renovate Restrooms
4. Mechanical Snowmaking Equipment

4. The DEPARTMENT agrees as follows:

- a. To grant to the said GRANT RECIPIENT a sum of money equal to Seventy Five (75%) percent of the total cost of construction of the facilities called for by this Agreement, including engineering costs therefore, but which shall not in any event exceed One Hundred Fifty Thousand (\$150,000) dollars. This sum shall be used only for the construction of the facilities called for in Section 3 and engineering costs therefore.
- b. To pay the money appropriated by the preceding section to the GRANT RECIPIENT as follows:

Payments will be made on a reimbursement basis; Seventy Five (75%) percent of eligible expenses, up to 90% of the Maximum Grant Allowable, will be disbursed upon receipt of an expenditure list supported by copies of invoices and descriptions, copies of cancelled checks, and/or lists of force account time and attendance records. The final payment will be withheld pending satisfactory project completion and audit.

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
PROTECTING MICHIGAN'S FUTURE
RECREATION BOND PROGRAM
PROJECT SCOPE AMENDMENT

Project Title: Hanson Hills Recreation Area
Project No.: BF 91-295
Amendment No.: 1

THIS AMENDMENT, made and entered into this 13th day of May, 19 97, by and between the Michigan Department of Natural Resources, hereinafter referred to as the "DEPARTMENT" and the County of Crawford, a Michigan Municipal Corporation, hereinafter referred to as the "GRANT RECIPIENT" is an amendment to an AGREEMENT entered into by these same parties on the 1st day of July, 19 92.

WITNESSETH:

NOW THEREFORE, the DEPARTMENT and GRANT RECIPIENT mutually agree that Paragraph 3 shall be amended by: revising the scope to delete Items #1, #2 and #3 and Paragraph 12 shall be amended by: retroactively extending the completion date to December 31, 1995.

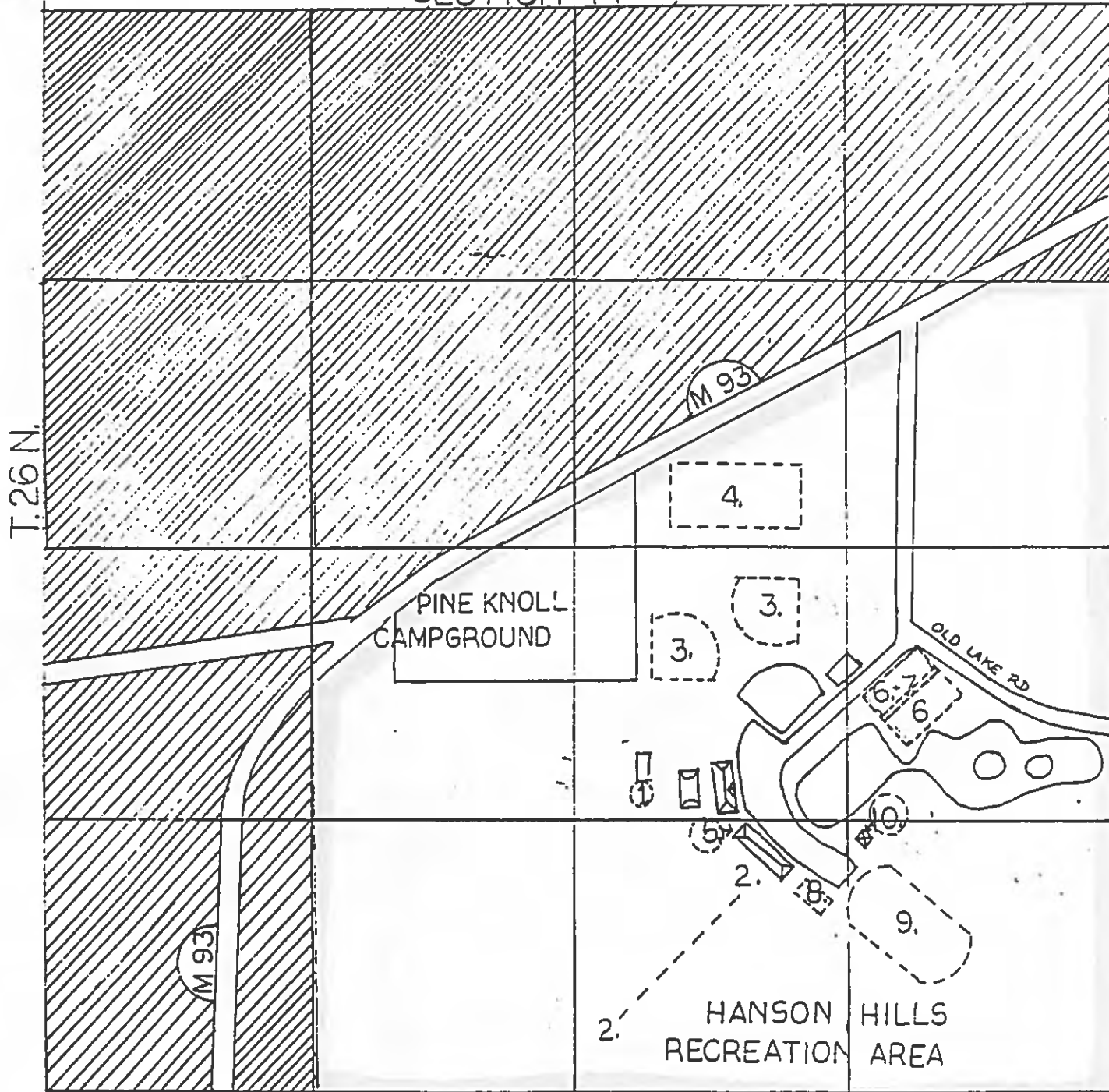
due to:

ALL OTHER PROVISIONS OF THIS AGREEMENT SHALL BE CONTINUED IN FULL FORCE AND EFFECT.

Grayling Recreation Authority, hereby subleases to the County of Crawford, sublessee, the land described below upon the following terms and conditions:

1. Description: That part of SE 1/4 of Section 14, the E 1/2 of the SW 1/4 of Section 14 lying south and east of the M-93 Right of Way, and the S 1/2 of the NE 1/4 of Section 14 lying south and east of the M-93 Right of Way, all in Town 26 North, Range 4 West, Grayling Township, Crawford County, Michigan, but excluding that area beginning at the center of section 14, T26N R4W, thence westerly along the east-west quarter line to the easterly right of way line of M-93; thence southwesterly along the easterly ROW of M-93 1,000 feet more or less; thence south 260 feet more or less; thence easterly 1,680 feet more or less, to a point at the west edge of existing toboggan run; thence northerly along a line parallel to the toboggan run to the easterly ROW of M-93; thence southwesterly along the M-93 ROW to the north-south quarter line; thence southerly along the northsouth quarter line to the point of beginning, including improvements thereon.

SECTION 14



SCOPE ITEMS

1. GROOMER/SNOW PUSHER
2. MECH. SNOW MAKING
3. TWO BALL DIAMONDS
4. SOCCER FIELD
5. RESTROOM RENOVATION
6. TWO TENNIS COURTS w/
7. ONE BASKETBALL COURT
8. FIVE SHUFFLE BOARD COURTS
9. OUTDOOR SKATING RINK
10. ADDITIONAL RESTROOMS

PRELIMINARY SITE
DEVELOPMENT PLAN &
LEGAL BOUNDARIES

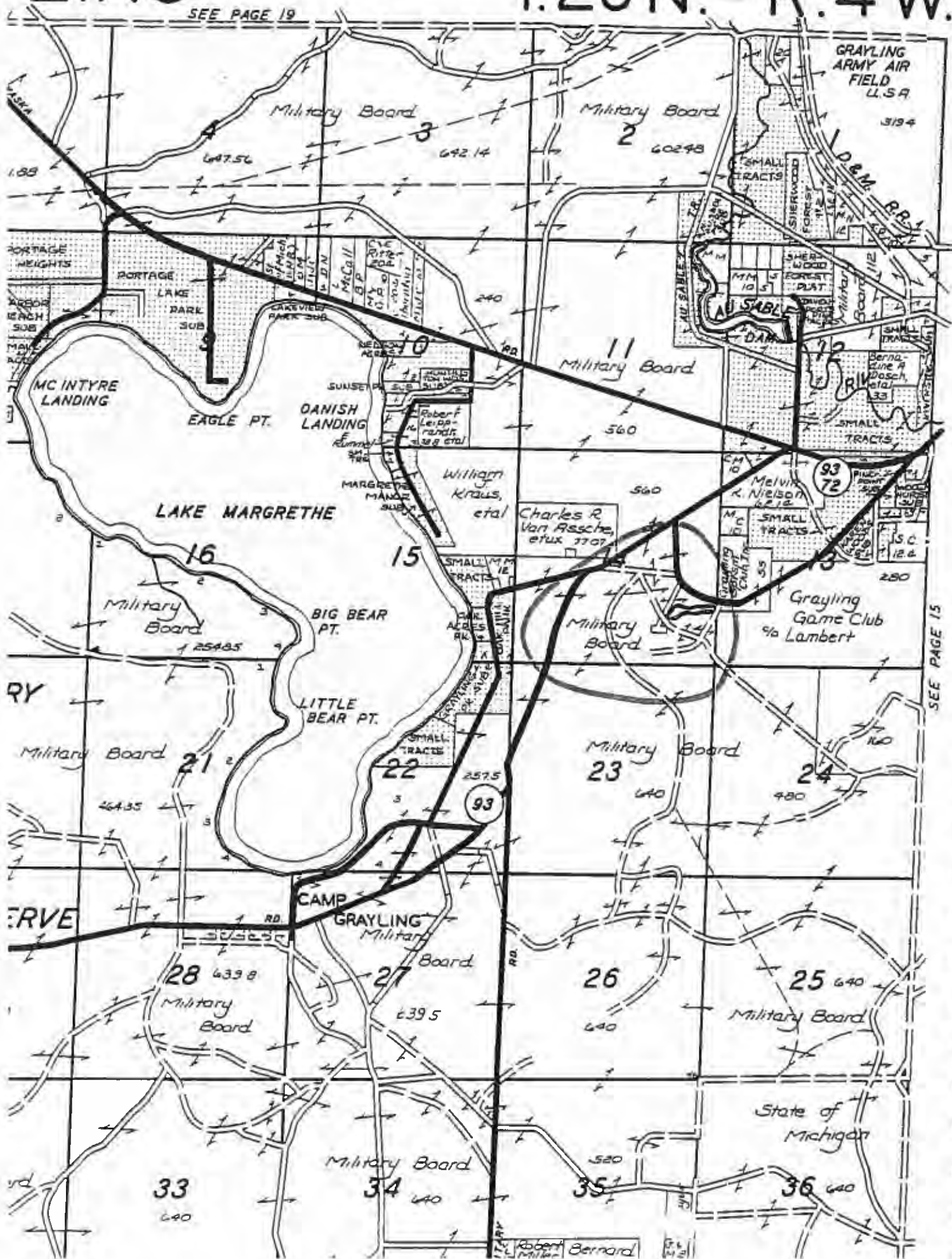
8" = 1 MILE

NOT PART OF
RECREATION AREA

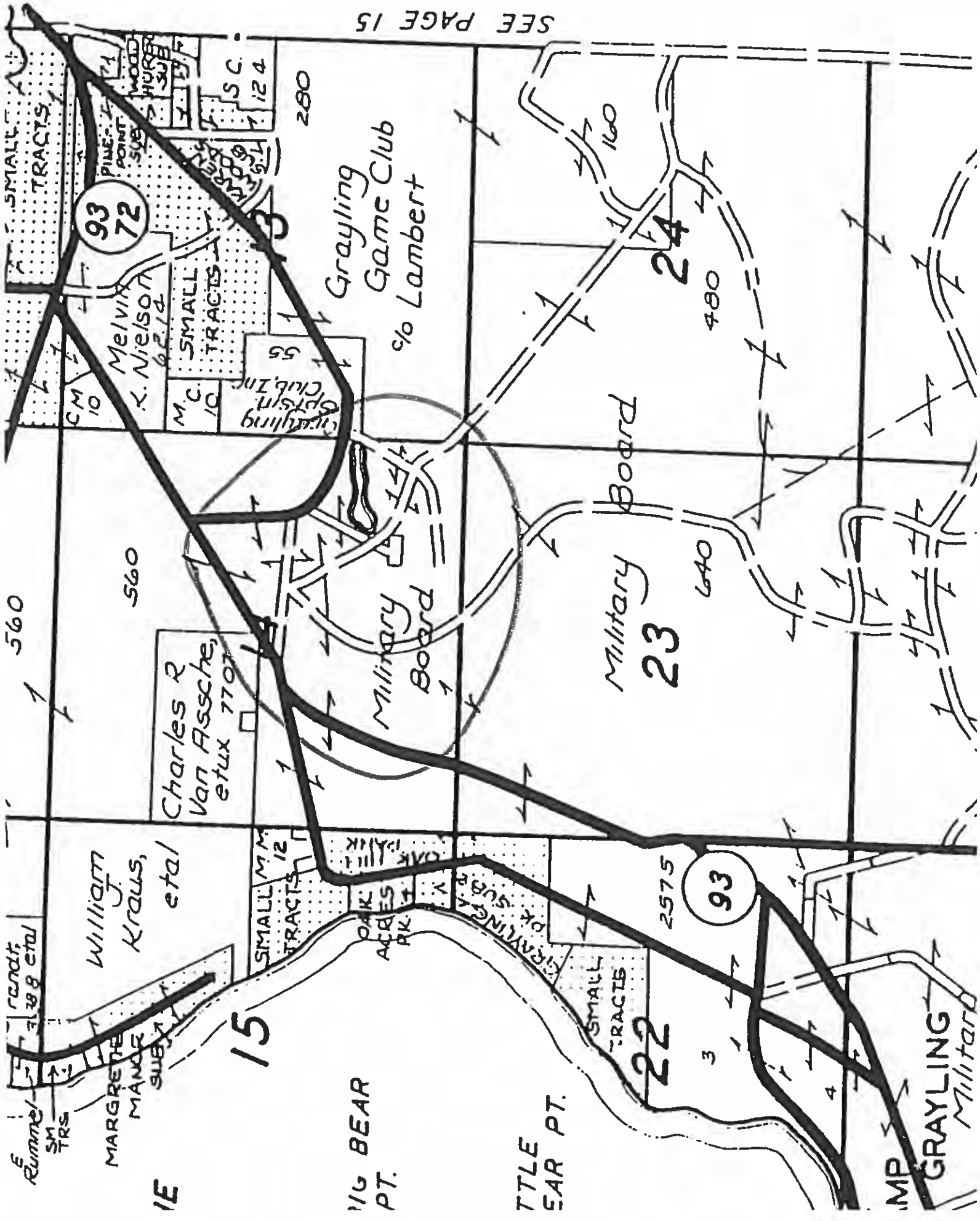


T.26 N.-R.4 W.

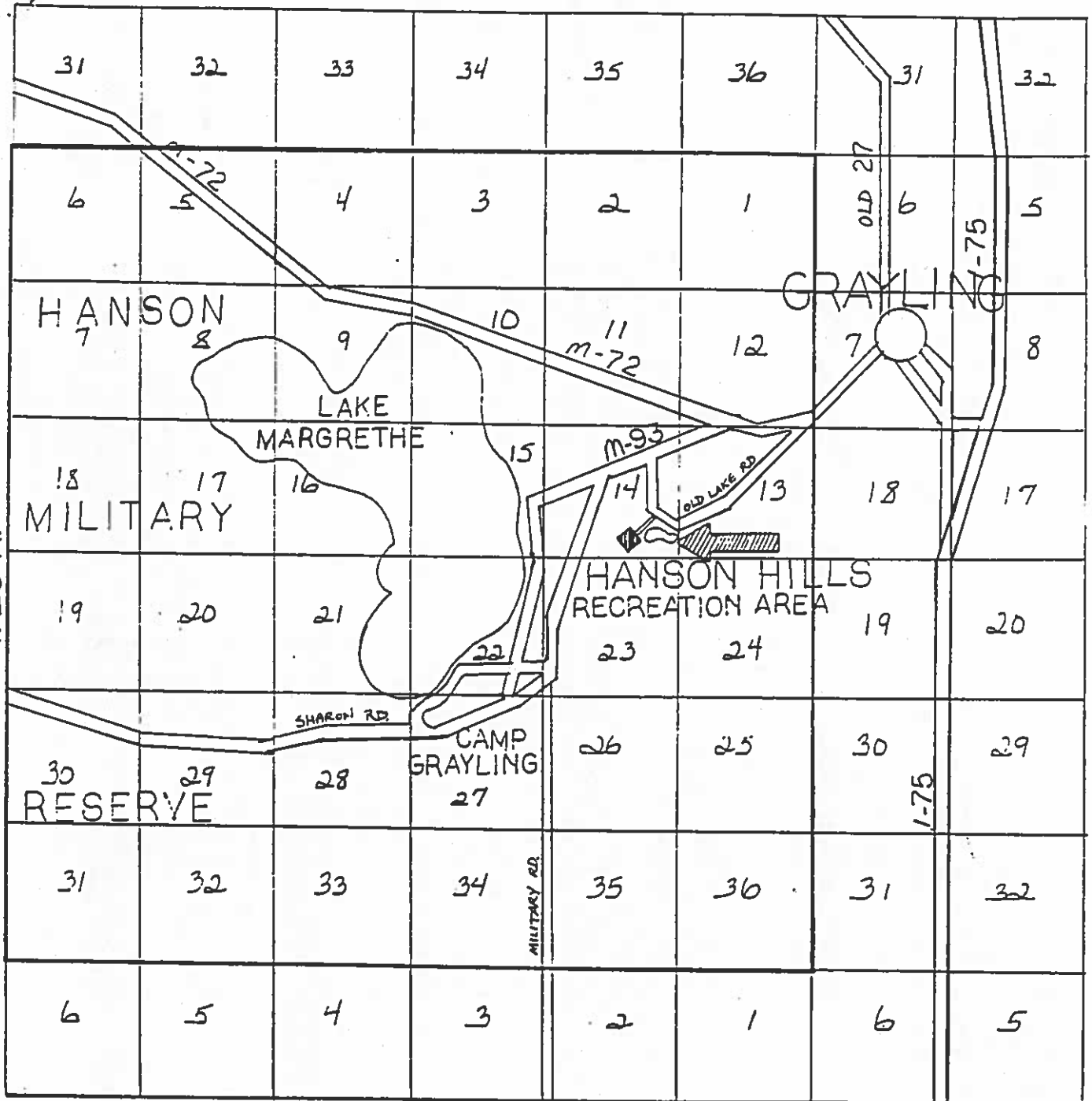
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SEE PAGE 15



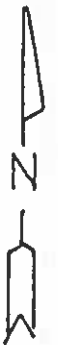
T.26 N.



R.4. W.

LOCATION MAP

1" = 1 MILE





Michigan Department of Natural Resources - Grants Management

**PUBLIC OUTDOOR RECREATION GRANT
POST-COMPLETION SELF-CERTIFICATION REPORT**

*This information required under authority of Part 19, PA 451 of 1994, as amended;
the Land and Water Conservation Fund Act of 1965, 78 Stat. 897 (1964); and Part 715, of PA 451 of 1994, as amended.*

GRANT TYPE: ☒ MICHIGAN NATURAL RESOURCES TRUST FUND ☐ CLEAN MICHIGAN INITIATIVE
(Please select one) ☐ LAND AND WATER CONSERVATION FUND ☐ RECREATION PASSPORT ☐ BOND FUND

GRANTEE: Crawford County

PROJECT TF00-146 PROJECT TYPE: Site Development

PROJECT TITLE: Grayling Fish Interpretive Center

PROJECT SCOPE: Development of Interpretive Center, river restoration, etc.

TO BE COMPLETED BY LOCAL GOVERNMENT AGENCY (GRANTEE)

Name of Agency (Grantee)	Contact Person	Title
Crawford County	<u>Paul Compo</u>	<u>Administrator</u>
Address	Telephone	
<u>200 W. Michigan Ave.</u>	<u>(989) 344-3202</u>	
City, State, ZIP	Email	
<u>Grayling, MI 49738</u>	<u>pcompo@crawfordco.org</u>	

SITE DEVELOPMENT

Any change(s) in the facility type, site layout, or recreation activities provided?
If yes, please describe change(s). ☐ Yes ☒ No

Please refer to the attached boundary map. Has any portion of the project site been converted to a use other than outdoor recreation? If yes, please describe what portion and describe use. (This would include cell towers and any non-recreation buildings.) ☒ Yes ☐ No

Limit commercial fish aquaculture activities.

Are any of the facilities obsolete? If yes, please explain. ☐ Yes ☒ No

Is the site and all facilities accessible to persons with disabilities? If no, please explain. ☒ Yes ☐ No

List all additional existing development/facilities at the referenced project site. If the site is undeveloped, please describe the present use and provide a schedule for future development, including a list of proposed facilities.

Currently seeking to develop commercial fish production facility at hatchery. Hatchery would be accessible by public consistent with past years. Current initiative underway to improve fish passage past the hatchery.

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

SITE QUALITY

Is there a park entry sign which identifies the property or facility as a public recreation area?
If yes, please provide a photograph of the sign. If no, please explain.

☒ Yes ☐ No

Are the facilities and the site being properly maintained? If no, please explain.

☒ Yes ☐ No

Are there any features near the site which would detract from the use and enjoyment of the site or would pose a health or safety problem? If yes, please explain.

☐ Yes ☒ No

Is vandalism a problem at this site? If yes, explain the measures being taken to prevent or minimize vandalism.

☐ Yes ☒ No

Is maintenance scheduled on a regular basis? If yes, give schedule. If no, please explain.

☒ Yes ☐ No

Agreement with private enterprise to operate/maintain hatchery

GENERAL

Is a Program Recognition plaque permanently displayed at the site? If yes, please provide a photograph. (Not required for Bond Fund Grants)

☒ Yes ☐ No ☐ N/A

Is any segment of the general public restricted from using the site or facilities?
(i.e. resident only, league only, boaters only, etc.) If yes, please explain.

☐ Yes ☒ No

Is a fee charged for use of the site or facilities? If yes, please provide fee structure.

☒ Yes ☐ No

When hatchery open to public, a nominal fee (\$3.50) charged to cover maintenance costs, AS TO THE PARK.

What are the hours and seasons for availability of the site?

Memorial Day - Labor Day

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

COMMENTS (ATTACH SEPARATE SHEET IF MORE SPACE IS NEEDED)

CERTIFICATION

I do hereby certify that I am duly elected, appointed and/or authorized by the Grantee named above and that the information and answers provided herein are true and accurate to the best of my personal knowledge, information and belief.

Paul C. Compo

Please print

Paul C. Compo

Grantee Authorized Signature

2/28/14

Date

Chris E. Jones

Please print

Chris E. Jones

Witness Signature

2/28/14

Date

Send completed report to: POST COMPLETION GRANT INSPECTION REPORTS
GRANTS MANAGEMENT
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PO BOX 30425
LANSING MI 48909-7925

**PUBLIC OUTDOOR RECREATION GRANT
POST-COMPLETION SELF-CERTIFICATION REPORT**

This information required under authority of Part 19, PA 451 of 1994, as amended;
the Land and Water Conservation Fund Act of 1965, 78 Stat. 897 (1964); and Part 715, of PA 451 of 1994, as amended.

GRANT TYPE: ☐ MICHIGAN NATURAL RESOURCES TRUST FUND ☐ CLEAN MICHIGAN INITIATIVE
(Please select one) ☐ LAND AND WATER CONSERVATION FUND ☐ RECREATION PASSPORT ☐ BOND FUND

GRANTEE: Beaver Creek Township

PROJECT 26-01572 PROJECT TYPE: Site Development

PROJECT TITLE: Beaver Creek Park Improvement Project

PROJECT SCOPE: Expanding parking & physical plant facilities

TO BE COMPLETED BY LOCAL GOVERNMENT AGENCY (GRANTEE)

Name of Agency (Grantee) <u>Beaver Creek Township</u>	Contact Person <u>Debra Ashton</u>	Title <u>Supervisor</u>
Address <u>8888 So. Grayling Rd.</u>	Telephone <u>(989) 275-8878</u>	
City, State, ZIP <u>Grayling, Mi. 49738</u>	Email <u>bashton@beavercreektownship.com</u>	

SITE DEVELOPMENT

Any change(s) in the facility type, site layout, or recreation activities provided?
If yes, please describe change(s).

☐ Yes ☒ No

Please refer to the attached boundary map. Has any portion of the project site been converted to a use other than outdoor recreation? If yes, please describe what portion and describe use. (This would include cell towers and any non-recreation buildings.)

☐ Yes ☒ No

Are any of the facilities obsolete? If yes, please explain.

☐ Yes ☒ No

Is the site and all facilities accessible to persons with disabilities? If no, please explain.

☒ Yes ☐ No

List all additional existing development/facilities at the referenced project site. If the site is undeveloped, please describe the present use and provide a schedule for future development, including a list of proposed facilities.

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

SITE QUALITY

Is there a park entry sign which identifies the property or facility as a public recreation area?
If yes, please provide a photograph of the sign. If no, please explain.

☒ Yes ☐ No

Are the facilities and the site being properly maintained? If no, please explain.

☒ Yes ☐ No

Are there any features near the site which would detract from the use and enjoyment of the site or would pose a health or safety problem? If yes, please explain.

☐ Yes ☒ No

Is vandalism a problem at this site? If yes, explain the measures being taken to prevent or minimize vandalism.

☐ Yes ☒ No

Is maintenance scheduled on a regular basis? If yes, give schedule. If no, please explain.

☒ Yes ☐ No

Monthly

GENERAL

Is a Program Recognition plaque permanently displayed at the site? If yes, please provide a photograph. (Not required for Bond Fund Grants)

☐ Yes ☒ No ☐ N/A

Is any segment of the general public restricted from using the site or facilities?
(i.e. resident only, league only, boaters only, etc.) If yes, please explain.

☐ Yes ☒ No

Is a fee charged for use of the site or facilities? If yes, please provide fee structure.

☐ Yes ☒ No

What are the hours and seasons for availability of the site?

9am - 2am daily June thru September

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

COMMENTS (ATTACH SEPARATE SHEET IF MORE SPACE IS NEEDED)

CERTIFICATION

I do hereby certify that I am duly elected, appointed and/or authorized by the Grantee named above and that the information and answers provided herein are true and accurate to the best of my personal knowledge, information and belief.

Brian Ashton
Please print

Brian Ashton
Grantee Authorized Signature

11/13/14
Date

Patricia Larson
Please print

Patricia Larson
Witness Signature

11/13/14
Date

Send completed report to:

POST COMPLETION GRANT INSPECTION REPORTS
GRANTS MANAGEMENT
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PO BOX 30425
LANSING MI 48909-7925



**PUBLIC OUTDOOR RECREATION GRANT
POST-COMPLETION SELF-CERTIFICATION REPORT**

This information required under authority of Part 19, PA 451 of 1994, as amended;
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GRANT TYPE: ☒ MICHIGAN NATURAL RESOURCES TRUST FUND ☐ CLEAN MICHIGAN INITIATIVE
(Please select one) ☐ LAND AND WATER CONSERVATION FUND ☐ RECREATION PASSPORT ☐ BOND FUND

GRANTEE: Grayling Charter Township

PROJECT TF00-388 PROJECT TYPE: Site Development

PROJECT TITLE: Nature Park by the Fish Hatchery

PROJECT SCOPE: New park dvpt on AuSable River, play equip., walkway, fishing pier

TO BE COMPLETED BY LOCAL GOVERNMENT AGENCY (GRANTEE)

Name of Agency (Grantee)	Contact Person	Title
Grayling Charter Township	<u>Rick Harland</u>	<u>Supervisor</u>
Address	Telephone	
<u>1090 VIKING Way</u>	<u>989-348-4361</u>	
City, State, ZIP	Email	
<u>GRAYLING, MI. 49738</u>	<u>rharland@twp.grayling.mi.us</u>	

SITE DEVELOPMENT

Any change(s) in the facility type, site layout, or recreation activities provided? ☒ Yes ☐ No
If yes, please describe change(s).

IN PARK NOT IN PARK SCOPE AREA, 9 hole DISC GOLF
COURSE BUILT FOR BY OUR TOWNSHIP.

Please refer to the attached boundary map. Has any portion of the project site been converted to a use other than outdoor recreation? If yes, please describe what portion and describe use. (This would include cell towers and any non-recreation buildings.) ☐ Yes ☒ No

Are any of the facilities obsolete? If yes, please explain. ☐ Yes ☒ No

Is the site and all facilities accessible to persons with disabilities? If no, please explain. ☒ Yes ☐ No

List all additional existing development/facilities at the referenced project site. If the site is undeveloped, please describe the present use and provide a schedule for future development, including a list of proposed facilities.

ONLY CHANGE SINCE CLOSE OF GRANT (Project) -
9 hole DISC GOLF OUTSIDE OF Project SITE.

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

SITE QUALITY

Is there a park entry sign which identifies the property or facility as a public recreation area?
If yes, please provide a photograph of the sign. If no, please explain.

☒ Yes ☐ No

Are the facilities and the site being properly maintained? If no, please explain.

☒ Yes ☐ No

Are there any features near the site which would detract from the use and enjoyment of the site or would pose a health or safety problem? If yes, please explain.

☐ Yes ☒ No

Is vandalism a problem at this site? If yes, explain the measures being taken to prevent or minimize vandalism.

☐ Yes ☒ No

Is maintenance scheduled on a regular basis? If yes, give schedule. If no, please explain.

☒ Yes ☐ No

GENERAL

Is a Program Recognition plaque permanently displayed at the site? If yes, please provide a photograph. (Not required for Bond Fund Grants)

☒ Yes ☐ No ☐ N/A

Is any segment of the general public restricted from using the site or facilities?
(i.e. resident only, league only, boaters only, etc.) If yes, please explain.

☐ Yes ☒ No

Is a fee charged for use of the site or facilities? If yes, please provide fee structure.

☐ Yes ☒ No

What are the hours and seasons for availability of the site?

DAWN to DUSK (SUMMER'S) OPENS WHEN SNOWS GONE, CLOSES WHEN TEMPS
START GOING BELOW FREEZING.

POST-COMPLETION SELF-CERTIFICATION REPORT (CONT'D)

COMMENTS (ATTACH SEPARATE SHEET IF MORE SPACE IS NEEDED)

CERTIFICATION

I do hereby certify that I am duly elected, appointed and/or authorized by the Grantee named above and that the information and answers provided herein are true and accurate to the best of my personal knowledge, information and belief.

Rick Harland
Please print

[Signature]
Grantee Authorized Signature

2/26/14
Date

DIANE GISKA
Please print

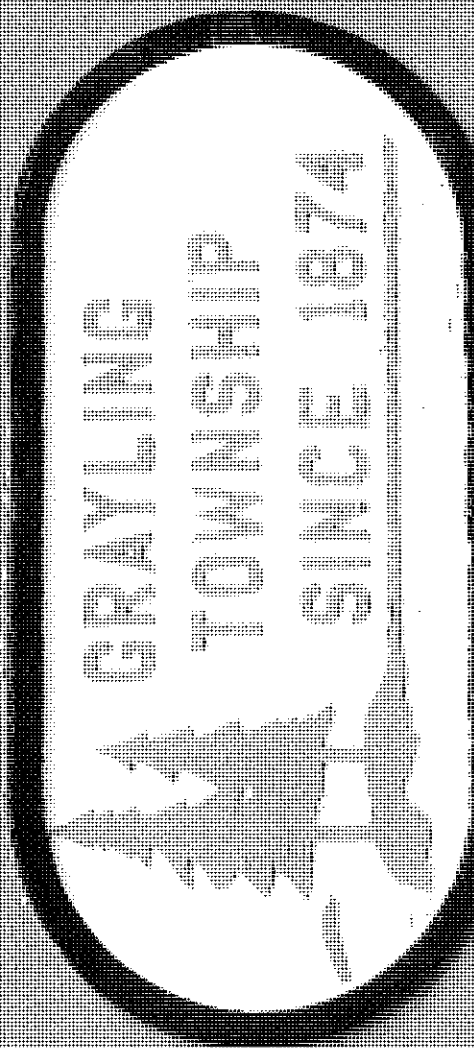
[Signature]
Witness Signature

2-26-14
Date

Send completed report to: POST COMPLETION GRANT INSPECTION REPORTS
GRANTS MANAGEMENT
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PO BOX 30425
LANSING MI 48909-7925

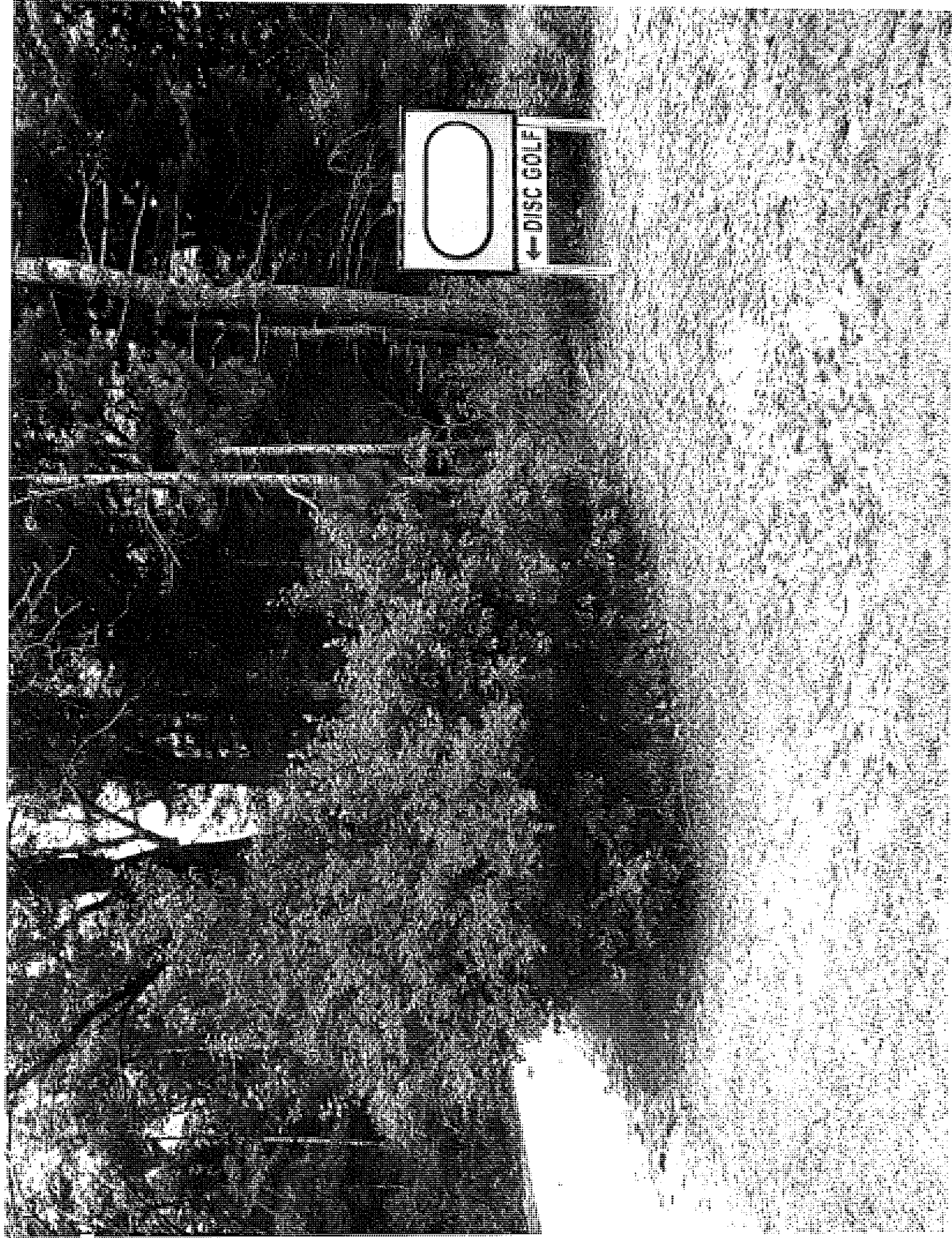
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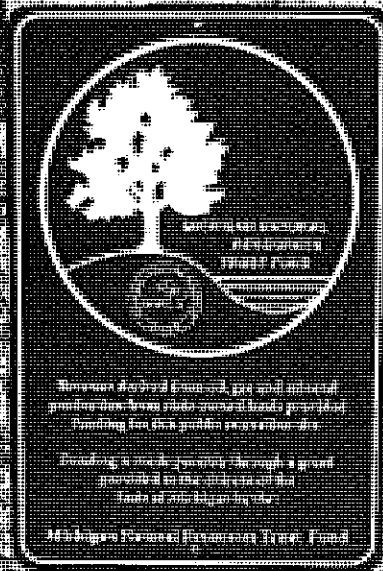
FISH HATCHERY



NATURE PARK

← DISC GOLF







Michigan Department of Natural Resources - Grants Management

**PUBLIC OUTDOOR RECREATION GRANT
POST-COMPLETION SELF-CERTIFICATION REPORT**

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GRANT TYPE: ☐ MICHIGAN NATURAL RESOURCES TRUST FUND ☐ CLEAN MICHIGAN INITIATIVE
(Please select one) ☐ LAND AND WATER CONSERVATION FUND ☐ RECREATION PASSPORT ☐ BOND FUND

GRANTEE: Lovells Township

PROJECT 26-01104 F1 PROJECT TYPE: _____

PROJECT TITLE: Douglas Park

Completed Report on file with DNR.

Supplemental information- picture of required sign.



Township Checklists

Plan Certification Checklists for the following participating Townships are on file with the individual Townships and submitted separately to the DNR.

- Beaver Creek Township
- Grayling Charter Township
- Lovells Township
- South Branch Township



COMMUNITY PARK, RECREATION, OPEN SPACE, AND GREENWAY PLAN CERTIFICATION CHECKLIST

By Authority of Parts 19, 703 and 716 of Act 451, P.A. 1994, as amended, submission of this
information is required for eligibility to apply for grants

INSTRUCTIONS: Complete, obtain certification signatures and submit this checklist with a locally adopted recreation plan.

All recreation plans are required to meet the content and local approval standards listed in this checklist and as outlined in the *Guidelines for the Development of Community Park, Recreation, Open Space and Greenway Plans* provided by the Michigan Department of Natural Resources (DNR). To be eligible for grant consideration, plans must be submitted to the DNR prior to the grant application deadline **with** a completed checklist that has been signed by an authorized official(s) of the local unit of government(s) submitting the plan.

PLAN INFORMATION

Name of Plan: Crawford County 2014 Master Plan Update including Recreation Plan

List the community names (including school districts) covered by the plan	County	Month and year plan adopted by the community's governing body
Crawford County	Crawford	October 2014
Beaver Creek Township	Crawford	November 2014
Grayling Charter Township	Crawford	November 2014
Lovells Township	Crawford	November 2014
South Branch Township	Crawford	November 2014

PLAN CONTENT

INSTRUCTIONS: Please check each box to certify that the listed information is included in the final plan.

☒ **1. COMMUNITY DESCRIPTION**

☒ **2. ADMINISTRATIVE STRUCTURE**

☒ Roles of Commission(s) or Advisory Board(s)

☒ Department, Authority and/or Staff Description and Organizational Chart

Annual and Projected Budgets for Operations, Maintenance, Capital Improvements and Recreation

☒ Programming

☒ Current Funding Sources

☒ Role of Volunteers

☒ Relationship(s) with School Districts, Other Public Agencies or Private Organizations

Regional Authorities or Trailway Commissions Only

Description of the Relationship between the Authority or Commission and the Recreation Departments of

☒ Participating Communities

☒ Articles of Incorporation

☒ **3. RECREATION INVENTORY**

☒ Description of Methods Used to Conduct the Inventory

☒ Inventory of all Community Owned Parks and Recreation Facilities

☒ Location Maps (site development plans recommended but not required)

☒ Accessibility Assessment

☒ Status Report for all Grant-Assisted Parks and Recreation Facilities

☐ **4. RESOURCE INVENTORY (OPTIONAL)**

☒ **5. DESCRIPTION OF THE PLANNING PROCESS**

☒ **6. DESCRIPTION OF THE PUBLIC INPUT PROCESS**

- ☒ Description of the Method(s) Used to Solicit Public Input Before or During Preparation of the Plan, Including a Copy of the Survey or Meeting Agenda and a Summary of the Responses Received

- ☒ Copy of the Notice of the Availability of the Draft Plan for Public Review and Comment

Date of the Notice May 22, 2014

Type of Notice Newspaper and website

Plan Location County office and website

Duration of Draft Plan Public Review Period (Must be at Least 30 Days) 5 months

- ☒ Copy of the Notice for the Public Meeting Held after the One Month Public Review Period and Before the Plan's Adoption by the Governing Body(ies)

Date of Notice May 22, 2014

Name of Newspaper Crawford County Avalanche

Date of Meeting Sept. 17, 2014 and October 23, 2014

- ☒ Copy of the Minutes from the Public Meeting

☒ **7. GOALS AND OBJECTIVES**

☒ **8. ACTION PROGRAM**

☒ **9. POST-COMPLETION SELF-INSPECTION REPORT**

PLAN ADOPTION DOCUMENTATION

Plans **must** be adopted by the highest level *governing body* (i.e., city council, county commission, township board). If planning is the responsibility of a Planning Commission, Park and Recreation Commission, Recreation Advisory Board or other local Board or Commission, the plan should **also** include a resolution from the Board or Commission recommending adoption of the plan by the governing body.

The local unit of government must submit the final plan to both the County and Regional Planning Agency for their information. Documentation that this was done must be submitted with the plan to the DNR.

Items 1, 3 and 4 below are **required** and must be included in the plan.

APPROVAL DOCUMENTATION: For multi-jurisdictional plans, **each** local unit of government must pass a resolution adopting the plan. Prepare and attach a separate page for each unit of government included in the plan.

- ☒ 1. Official resolution of adoption by the governing body dated: October 23, 2014
- ☒ 2. Official resolution of the Planning Commission or Board, recommending adoption of the plan by the governing body, dated: September 17, 2014
- ☒ 3. Copy of letter transmitting adopted plan to County Planning Agency dated: Feb. 4, 2015
- ☒ 4. Copy of letter transmitting adopted plan to Regional Planning Agency dated: Feb. 4, 2015

OVERALL CERTIFICATION

NOTE: For multi-jurisdictional plans, Overall Certification must include the signature of each local unit of government. Prepare and attach a separate signature page for each unit of government included in the plan.

I hereby certify that the recreation plan for

Crawford County

(Local Unit of Government)

above and as set forth by the DNR.

includes the required content, as indicated

Sandra Moore
Authorized Official for the Local Unit of Government

2/9/15
Date

This completed checklist must be signed and submitted with a locally adopted recreation plan to:

**GRANTS MANAGEMENT
MICHIGAN DEPARTMENT OF NATURAL
RESOURCES
PO BOX 30425
LANSING, MI 48909-7925**

DNR USE ONLY - APPROVAL

The recreation plan is approved by the DNR and the community (ies) covered by the plan, as listed on page 1 of this checklist is/are eligible to apply for recreation grants through

By: _____ Date _____
Grants Management _____ Date _____