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INTRODUCTION

The Charlevoix Township *5-Year Park, Recreation, Open Space, and Greenways Plan*, represents the Township's vision pursuant to future recreational planning and development efforts. The plan is composed of six sections as follows:

Section 1 – Community Description: This section describes the Township's character and provides information on geographic location, adjacent communities, land use, demographics and how they relate to the goals and objectives stated in this plan.

Section 2 – Administrative Structure: This section provides information on the administration of recreational programs within the Township.

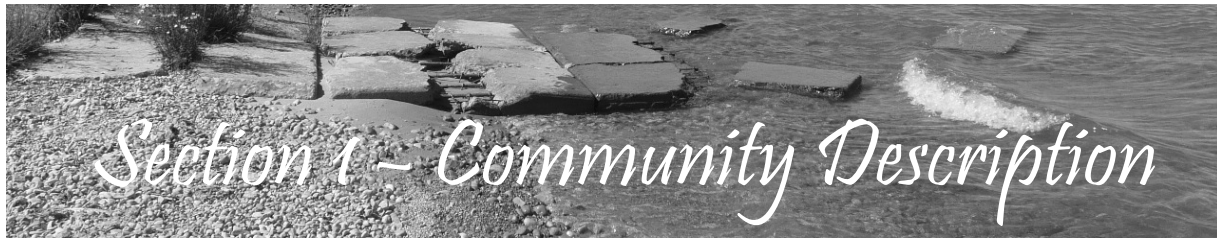
Section 3 – Recreation Facilities and Resource Inventories: This section provides detail on the Township's existing recreational facilities and helps to identify and evaluate open space areas for their potential for acquisition to provide natural resource protection and public access. This inventory also includes an assessment regarding accessibility to the Township's facilities for people with disabilities.

Section 4 – Description of the Public Input Process: Describes how public input was gathered and used in developing the Goals and Objectives as well as ranking recreational projects.

Section 5 – Goals and Objectives: Using the findings of the Public Input Process, a series of proposed recreational goal and objectives were developed. These goals and objectives incorporated the demographics and natural features and were used in developing the Action Program.

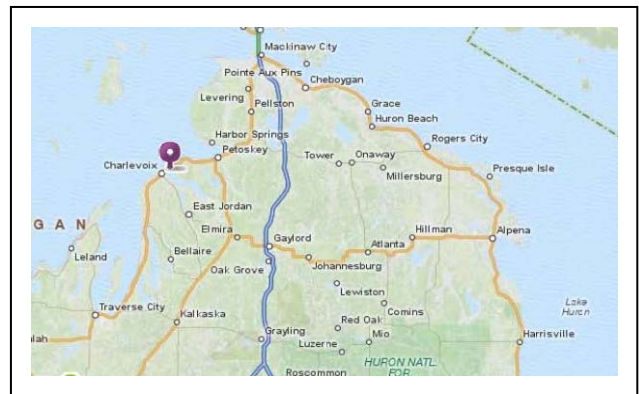
Section 6 – Action Program: This section contains a description of recreational improvements, sources from which the community may obtain additional funding, and specific projects derived from Goals and Objectives Section. The Action Program is designed to provide a *“game plan”* for implementation and answer the questions, who, what, where, when, and how regarding a particular goal and or objective.

The Plan has been prepared with a focus on the next five years of recreation programs, activities and improvements within Charlevoix Township. However, it is also envisioned that the document be evaluated on an annual basis to ensure consistency with the evolving needs and desires of local residents and fit with the neighboring township's, City of Charlevoix, Charlevoix County and regional stakeholders. Appropriate action including amending the plan could be recommended by the Board if sufficient content, additions or substantive changes are desired. A public input process, and hearing are required by the rules of the Michigan Department of Natural Resources, in order to conduct such an amendment to an approved Recreation Plan.



LOCATION

Charlevoix Township is located in Charlevoix County, Michigan. The Township encompasses the City of Charlevoix and is 17 minutes south of the City of Petoskey, bounded on the east by the West Arm of Little Traverse Bay, on the north by Hayes Township, and on the south by Norwood, and Marion Townships. The Township is relatively small compared to the average size of Michigan townships, with a total area of 12.1 square miles (31 km²), of which 6.0 square miles (16 km²) is land and 6.1 square miles (16 km²), (50.58%) is water. (Source: Wikipedia.com)



TRANSPORTATION

Regional Linkage – Charlevoix Township is accessed principally by one major State of Michigan Highway corridor: the US-31 corridor running north and south along its western edge of the lower peninsula. US-31 runs from South Haven to Mackinaw City by way of Holland, Muskegon, Manistee, and Traverse City, with Petoskey being the principal waypoint between Charlevoix and Mackinaw City. The US-31 Corridor provides a scenic elevated arrival through rich, rolling agricultural lands south of the City. The corridor is zoned commercial through the City of Charlevoix downtown central business district (CBD), and commercial corridor through the northern portions of the Township.

M-66/M-32 are the main east-west highways providing access from the Village of East Jordan and Mancelona/Kalkaska and Boyne City/Boyne Falls (via the Ironton Ferry) and Ferry/ Lake Shore Road. From Boyne City two other major north-south Highways are accessible within 15 miles, US-131 and I-75.



US 31 is a major highway running through the heart of the city. It continues southerly toward Traverse City and Muskegon and northerly toward Petoskey to a terminus near Mackinaw City.



M-66 terminates at US-31 in Charlevoix and continues southerly through East Jordan and Kalkaska en route to the southern part of the state.



C-56 begins at US-31 just northeast of the city and continues east-southeasterly toward Boyne City.



C-65 ends at US-31 immediately west of the M-66 junction on the south side of the city. This route continues southerly toward Ellsworth and Central Lake.

(Source: Wikipedia.com)

Township Street System – Internally, the Township is comprised of a system of rural roads serving farmsteads, commercial and primary residential areas. The road system offers connections to the Township’s local parks and recreational facilities. Road maintenance and plowing are shared by the Charlevoix County Road Commission (CCRC) and City of Charlevoix, with the Township DPW clearing the Township Owned facilities.

Non-Motorized Transportation – The Little Traverse Wheelway (LTW) is a 26 mile north-south running paved trailway extending from the edge of the Township to the City of Petoskey and Harbor Springs, with 9 miles being within Charlevoix County. The Wheelway is located on the north (waterside) of US-31 and long sections of elevated boardwalk along quality wetland habitat. Several MDOT rest stops provide public waterfront access to Lake Michigan. The Little Traverse Wheelway is one segment overseen and advocated by communities along the Trail and the Top of Michigan Trails Council that provides advocacy and instigates regional connections for non-motorized commuting and recreation year-round. Plans and budgets are evolving for a network of public non-motorized trailways linking the LTW and Charlevoix Township to places throughout northwest Michigan.

The City of Charlevoix’s recreation plan has a special section entitled – ***Chapter 5 Complete Streets and Walkable Communities***. The section outlines specific goals and objectives for the City (and broader community) to improve “...networks for bike and walking paths to access the downtown area, city parks and beaches, schools, the Little Traverse Wheelway, the Lake to Lake Trail and other points of interest...”.

The plan also identifies the limitations and challenges facing the community to achieve the identified goals and common problems shared by the governmental units of the surrounding area including; Safe routes to school, safe and efficient highway crossings, phasing and funding, topographic challenges, and seasonality affecting year-round trail use. The Charlevoix Township recreation planning process must closely examine these objectives and work to validate and support common goals shared with the City and neighboring townships. (See Appendix for Excerpts from the City of Charlevoix Recreation Plan).

Air – The Charlevoix Municipal Airport (IATA: CVX, ICAO: KCVX) is a public airport. In addition to private planes, the airport commonly offers flights to Detroit Metropolitan Airport, Beaver Island (via Island Airways) and the Cherry Capital Airport in Traverse City. Scheduled

airlines also serve Pellston Regional Airport, Traverse City Cherry Capital Airport and Alpena County Regional Airport in the Lower peninsula.

LAND USE SUMMARY

Charlevoix Township encapsulates the population center of the City of Charlevoix. The high-density commercial and residential zones of the city blend into residential and seasonal homes of the surrounding townships and lakeshore areas. The US-31 corridor provides high-density residential commercial zoning in the township on the south and north ends of the City. (*See Appendix A1 – Township GIS Mapping*)

Existing land use acreage and percentage totals were sourced from the 2004 Charlevoix Smart Growth Plan and State of Michigan – MIRIS data (1998).

Residential – Single Family Residential uses comprise approximately 22% of the Township’s total land area. Residential development is primarily oriented to single-family detached housing including seasonal second homes. A relatively small proportion of the housing stock is Multi-family development.

Over 1/3 of the land acreage in Charlevoix Township (including city parcels) is dedicated to publicly managed and maintained facilities where recreation occurs or is available on a regular basis. This does not include natural woodlands, wetlands or other “wild” areas.

Schools and Administrative Lands – The township has approximately 10.5% of the total land area in school district property.

Recreation and Public Lands – These uses include golf courses, local parks, public school grounds, and other public facilities. They comprise approximately 13% of the total land area in the township.

State Park Land – Over 417 acres of the Township, approximately 11%, is contained in Fisherman’s Island State Park.

POPULATION: Growth & Projections

As of 2010, Charlevoix township's population is 1,645 people, decreasing 3.1 percent since 2000. The population density is about 274 people per square mile. Charlevoix County reported a 4.6% increase in population from 2000-2010. Charlevoix Township and other townships immediately adjacent to the City of Charlevoix have experienced steady decreases in population. Wilson Township has the highest number of residents in the County with 1,964 residents, followed by Hayes Township with 1,919 residents.

Over the past fifty years, the number of residents in Charlevoix Township has increased over 5.5 times 5.67 of that it was in 1960. Charlevoix Township’s absolute population growth has increased by 1,355 people since 1950. The growth began to increase steadily between 1970 and 1990. The most significant increase in population happened between 1990 and 2000, with a gain of 681 people.

According to the 2010 census data, between 2000 and 2010, the population decreased by only 52 people. Compared with the 2000 census, this decrease in population is only 3.1%. Although a decrease in population is not desirable, it is slight enough to presume the population in Charlevoix Township has remained stable through the last decade despite a decrease in population statewide as people leave their communities and move out of state.

The population of Charlevoix County according to the 2010 census did not meet the population projections predicted by the Michigan Census Bureau done in 1992. The projection showed higher numbers than the actual population by about 7%. The numbers from their study are based upon the previous decade's numbers. Although the actual population increase was less than the projection, Charlevoix Township's population is forecasted to grow in the future. Looking at the big picture, in the last 20 years the population increased by 61.9%. If the same trend continues over the next 20 years, the population could be around 2663 people by 2030. However, based on a more conservative growth due to the economic downturn and subsequent population shifts away from Michigan a more conservative projection as experienced between the period of 1990 to 2000, would be of around 40%. This is markedly different from the recent decade's -3.1% decline in the Township however.

Charlevoix Township Population Trends: 1950 to 2010							
Year	1950	1960	1970	1980	1990	2000	2010
Population	183	290	720	993	1,016	1,697	1,645
Percent Change over 10 years	n/a	58.5	148.3	37.9	2.3	67	-3.1
Table 1.1				Source: U.S. Bureau of Census 2010			

As the population grows and changes in demographics, recreational needs change as well. It is important to monitor the changes so that recreational facilities are developed for the current and projected populations. Generally, many park facilities still fall short in the United States in connecting with the population. Many facilities are either under-managed, outdated or, in some cases, do not provide well for the demographic characteristics of the local population user base such as senior living center, youth facilities, or nearby concentration of family households (they ignore the what, where, and how of recreation). Currently, the community of Charlevoix with its collective resources available at the County, Township and City as well as abundant nearby natural areas, easements and preserves, enjoys an abundance of recreational facilities. The key to recreation planning in the community may lay in factors other than facility availability, such as improving access for a more disperse user base, improving and upgrading aging facilities and amenities, and seeking to engage more of the population to utilize the facilities and encourage healthy living through nearby recreation in the Township and surrounding region.

In Charlevoix and the Little Traverse Bay / northern lakes region as a whole more attention has been made to the relationship, geographic placement and assets available in public parks, and making access to them easier. The evolution of the regional trail system, Little Traverse Wheelway

and others have seen growing utilization over the past decade as the network grows and more people engage with it. With the multi-modal mobility of park-goers, and the availability of technology to assist in connecting potential park user's with appropriate and adequate park facilities, the designing and maintaining of park facilities and amenities in a geographic area has more tools available to it.

Considerations are ongoing in Charlevoix Township as the recreation system is evaluated to make and improve the physical trail link connections, as well as provide technology based resources for the populous to gain access to what is available, where and when. One example of this is the newly signed agreement between the City of Charlevoix and Charlevoix Township, to develop a segment of the Lake to Lake Trail (*See Appendix A2 - Recreation Inventory Map*). In this way and during more difficult economic times, recreation planning is as much about educating and encouraging and linking use of existing facilities, thereby promoting resource utilization and healthier living for people, as it is about adding new assets.

Data from a 2001 study by the American Planning Association APA, showed nearly 7 in 10 adults in the United States do not achieve the recommended amount of activity each week. More recent studies have shown an increase in this trend. These types of statistics are likely attributable to lack of connectivity between the general population and recreational facilities, limited options for transportation, and "increased technological vigor" (use of electronic devices, social media and related pursuits) substituting for more traditional leisure time activities and recreation . The U.S. Surgeon General recommends a minimum of 30 minutes of moderately intense physical activity at least five days per week. The sedentary lifestyle is a primary factor in up to 200,000 deaths annually. Approximately 64% of Americans are overweight; and one in three is obese. More than a third (36%) of young people in grades 9-12 do not participate in vigorous recreational activities three or more days a week, and one fourth (25%) of those aged 6-17 are already overweight. Although these statistics do not specifically represent Charlevoix Township, they do show how critical it is to provide recreation opportunities for all age groups and to encourage active lifestyles.

According to the publication, Designing Healthy Michigan Communities, Michigan has more overweight and obese adults and children than the national average and consistently holds high rankings in the number of obese people. One of the reasons for the higher obesity rate is that typical Michigan communities are orientated to require travel by automobile and are not conducive to pedestrian and non-motorized means of transportation and activity. Not only would reducing reliance on vehicles by offering pedestrian and biker friendly alternatives be positive for the health of Charlevoix Township's residents, reducing car trip generation would also be beneficial for the health of the planet through the reduction of fossil fuel use.

Even though the average commute time for Charlevoix Township's residents is well below the national average, data shows that residents rely very heavily on their car. The average one-way commute in Charlevoix Township, MI, takes 18 minutes. 84% of commuters drive their own car alone. 7% carpool with others. 0% take mass transit and 6% work from home (*Source: Sperlings – Best Places to Live and Retire, Website 2010*).

Transportation	Charlevoix Township, MI	United States
Commute Time	18.1	27.7
COMMUTE MODE		
Auto (alone)	84.15%	75.83%
Carpool	7.04%	10.67%
Mass Transit	0.18%	4.84%
Work at Home	5.99%	4.07%
COMMUTE TIME TO WORK		
Commute Less Than 15 min.	58.18%	28.58%
Commute 15 to 29 min.	25.46%	36.13%
Commute 30 to 44 min.	10.78%	19.69%
Commute 45 to 59 min.	2.04%	7.50%
Commute greater than 60 min.	3.53%	8.10%

Walking and biking to school has declined by 40% from 1977 to 1995. To facilitate and promote walking, well-conditioned sidewalks that connect homes to community areas such as schools, downtown stores, parks, shopping areas, and nature reserves are important.

Parks and outdoor areas enhance the quality of life for all generations and it will be important to protect, preserve and enhance the recreation facilities in Charlevoix Township. According to the 2010 census, Charlevoix Township's population is growing and aging. This demographic shift will impact the growth and development of parks and recreation plans and the amenities and improvements targeted for the township's facilities. There is an increased demand for diverse and intergenerational leisure activities. With the economic challenges facing everyone, recreating more locally and regionally becomes a viable and necessary option.

The 60 to 74 age cohort in Charlevoix Township increased by 88% since the 2000 census. This age span represents the largest group in the Township and had the highest positive percent change over the last 10 years. This group consists of the retirees, who typically enjoy more passive, single or small group recreational activities, including walking, golfing, kayaking, and boating. To facilitate recreation for this age group and for people older than 75, facilities need to be barrier-free to promote ease of mobility and use. While Shanahan Park has some barrier-free accommodations to meet code it could provide improved "Universal Accessibility", that is to say all resources available to all park users of demographic, age and ability levels including improved visually impaired opportunities and resources as can even natural areas such as North Point Preserve. Retirees also enjoy social spaces for connecting with friends and family and generally seek them out nearby to where they live. It should be acknowledged that improved health, life-expectancy, and diversity of active recreational-ists beyond 75 years of age should be recognized, and this and any other age cohort should not be over-generalized with regard to anticipated participation (or not) in recreational endeavors.

The 45 to 59 age cohort consists of the mid-career workforce and early retirees. This age group increased by 7.8% when compared with the 2000 census. ***This age cohort, known as the "baby boomers",*** are those born between 1946 and 1964. Nationwide, this is the single-largest population group; moreover, it represents 21.8% of the population in the Charlevoix Township. This age group enjoys family-oriented recreational amenities such as improved parks, designated hiking trails, family

and community gathering areas, and a diverse set of active and passive leisure time and recreation options.

Due to the largest group in Charlevoix Township being older than 45, it is important to combine outdoor recreation with consideration for the rising cost of healthcare. Providing a wide variety of active recreational opportunities for this cohort will benefit the overall goal of encouraging proactive health maintenance. Many baby boomers understand the importance of preventative healthcare and the opportunity for exercise is a key component for a healthy, balanced life style for them and their families. There is an increased demand for outdoor recreation facilities featuring walking trails, spaces for outdoor activity groups and fitness/training destinations and amenities. Staying active helps physical and mental health, which in turn results have been correlated with reduced healthcare costs overall.

Charlevoix Township Age Profile			
Age	Number	Percent of Township Population	Percent Change from 2000
<i>Under 5</i>	81	4.9%	-24.3%
<i>5 to 9 years</i>	94	5.7%	-21.0%
<i>10 to 14 years</i>	117	7.1%	-12.7%
<i>15 to 19 years</i>	97	5.9%	-6.7%
<i>20 to 24 years</i>	69	4.2%	-12.7%
<i>25 to 34 years</i>	131	8.0%	-19.6%
<i>35 to 44 years</i>	180	10.9%	-27.4%
<i>45 to 54 years</i>	244	14.8%	-2.8%
<i>55 to 59 years</i>	115	7.0%	10.6%
<i>60 to 64 years</i>	141	8.6%	54.9%
<i>65 to 74 years</i>	185	11.2%	33.1%
<i>75 years +</i>	191	11.6%	47.8%
	1,645	100%	
Table 1.2 Source: U.S. Bureau of the Census 2010			

The age cohort between 25 and 44, is commonly referred to as the “*family formation*” stage of life. This age group is comprised of adults who are in the workforce and usually beginning a family. This age cohort makes up 18.9% of the population of Charlevoix Township. This is a decrease of 47% when compared to the number of individuals in this age bracket in the 2000 census. These numbers represent the largest age group loss with a 27.4% decrease in 35-44 year-olds. These individuals enjoy family-orientated activity, passive recreation, such as jogging and walking on trails, and more active recreation opportunities involving as team and “pick-up” group sports such as softball volleyball, basketball, and soccer as well as other popular individual and small group activities such as in-line skating, disk golf, kayaking, para-sailing and sailing, tennis and golf.

The number of individuals under the age of 19 decreased by 64.7% in Charlevoix Township over the last decade. This age group, along with the 20 to 24 year olds, represents the teenage/young adult cohort. This decline could be due to people having smaller families, therefore fewer children. The biggest factor in this significant decrease is losing 47% of our “family formation” generation. The county as a whole saw a large decrease in both the family formation generation and the teenage/young adult cohort. With the age group of 19 and under, one focus must be to continue to provide safe, quality outdoor recreational opportunities to maintain and increase quality of life for families choosing to live in the Charlevoix community.

POPULATION: Race and Gender

Charlevoix Township, similar to other northwestern Michigan communities, has a mostly white population. According to the 2010 U.S. census data, 95.14% of people are White, 0.12% are Black or African American, 0.36% are Asian, 1.88% are American Indian or Alaska Native, 1.03% of the population in the township are Hispanic ethnicity, 0.30% are Native Hawaiian or Pacific Islander and 0.61% claim 'Other'. Finally, 1.58% of Charlevoix Township are two or more races.

The total population of Charlevoix Township is 1,645 people. Of this number, 883 people or 53.7% are female and 762 people or 46.3% are male.

POPULATION: Households

A major attraction of Charlevoix County is centered around the natural beauty of the northern lakes region. Outdoor activities are family orientated and provide the needed change from their daily indoor household routines. Overall there are a total of 681 households in Charlevoix Township which is an increase of 2.9% when compared with the 2000 census. The average household size is 2.35 people and the average family size is 2.86 people. Of the total number of households, 461 consist of families and 326 have children under the age of 18. There are 220 nonfamily households in Charlevoix Township and 104 of these households are individuals that are 65 and older who fall into the retiree age cohort.

POPULATION: Seasonal Dwellings

Charlevoix Township has 1067 housing units and 63.8% of these housing units are occupied year-round. Of the 1067 housing units in Charlevoix Township, 289 are seasonal, recreational or

occasional use housing. This makes up 74.9% of the vacant housing market in Charlevoix Township or 27% of the entire housing units. *There was a 19.9% increase in the number of seasonal housing units over the past 20 years.*

Seasonal Population Influx

The trends above provided by the Age, Household and Seasonal Dwelling census data clearly support the continuing evolution of the Charlevoix region as a ***vacation destination and retirement community***. With the contrasting and overlapping lifestyles of a full-time retirement community and a seasonal swelling of relatively short-term visitation and recreational-ists, a careful balance of recreational facilities, programs and supporting infrastructure is warranted. Charlevoix Township along with the surrounding townships and city are endowed with a tremendous existing recreation resource base, which if cooperatively managed, maintained and developed should well suit the evolving population trends.

Additional supporting elements able to accommodate a very heavy seasonal user-base with all the support amenities needed, such as overflow parking, safe-access and connectivity to the trails, and adequate restroom facilities need to be considered. Operation and maintenance activities, staffing and capital improvements budgeting occur over time, and adjustments must be made to protect and improve the park resources, provide safe and universally accessible, clean and sustainable park environments, as well as provide a high level of recreational experience for all ages.

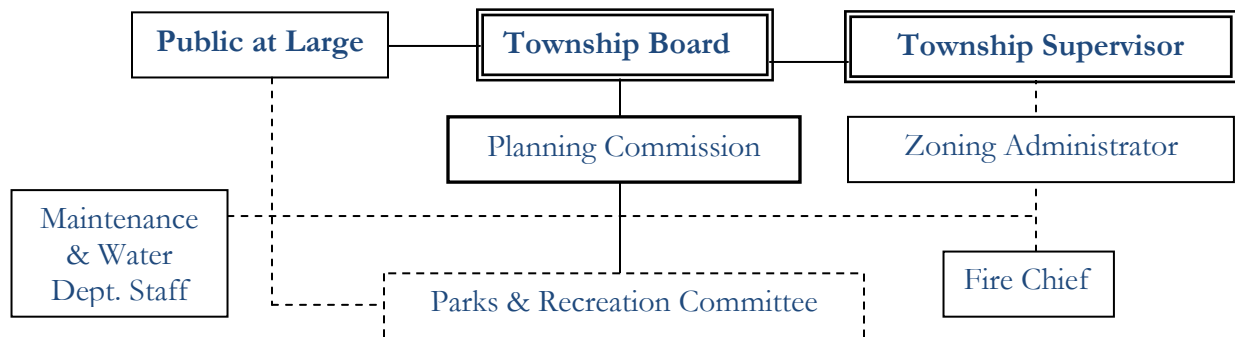
A predominance of “vacation days” in Michigan occur during the warmer months (May through September), as well as the early and late season fishing and hunting seasons extending seasonal visitation to March and November in the shoulder season. A large documented influx of recreation facility use during July and August as local festivals and a seasonal influx of second homeowners and tourists visit the Charlevoix area. Shanahan Field in the Township hosts soccer teams training for the fall season including high school and collegiate. Currently the ball field does not host any league or tournament events, as the declining conditions of the facility does not warrant use in such a manner. However, public input has shown an expressed interest in future use of a renovated facility.

Finally, the months of December through February see a large influx of winter sports enthusiasts, including skiers, snow mobile riders, ice fishermen and women, and participants in a variety of other winter activities. The abundance of recreational facilities, natural areas and trails systems available in the region make Charlevoix a key regional and Midwest destination. For these reasons, the census data confirm it is important for the Township to offer outdoor recreation and consider the seasonal influx visiting the area. By its regional placement Charlevoix Township’s recreation system attracts a large amount of transient use from neighboring heavy concentrations of seasonal dwellings, campgrounds, resorts, and day-trippers. These facts present both an opportunity and challenge to those shepherding and advocating recreation in Charlevoix.

Section 2 – Administrative Structure

TOWNSHIP ADMINISTRATIVE STRUCTURE

The planning and administration of recreational programs and facilities is derived from the interaction and cooperation of the following entities with the public engaged at all levels:



Charlevoix Township Board (elected): The Board sets the fiscal budgets for the Township, approves contracts, and works with the Township Staff to set policy and takes recommendations from the Planning Commission and committees (Supervisor, Clerk, Treasurer, four Trustees)

Charlevoix Township Planning Commission (PC) (appointed): The Planning Commission(PC) members have the responsibility for interpreting, updating and amending the Township Master Plan and Zoning Ordinance, Site plan review, and review of of the Parks and Recreation Committee recommendations. The PC is assisted by the Zoning Administrator – Bob Rajewski.

Parks & Recreation Committee (appointed): The Township has established its first Parks and Recreation Committee to work on the recreation plan creation with Township staff and private consultants to make initial project planning/design recommendations to the Township Board. Parks operation and maintenance and force account projects are generally conducted by Township Maintenance and Water Department staff as overseen by Randy Holecheck – Foreman, with support of contract labor and volunteers. The Township envisions establishment of a permanent appointed P&R Committee in the future to help accomplish the recreational goals and objectives of this plan. The Township intends to coordinate with the City of Charlevoix’s Ad Hoc Recreation Committee as well as send representation to their meetings in the future.

The Public at Large: The Township Board, Planning Commission, Parks & Recreation and Marina Committees all periodically seek input from local residents on recreational matters. Public input is sought from regularly or specially posted meetings and hearings. Every five years the Parks & Recreation Committee conducts public input sessions to engage the user base for the update of the 5-Year Plan.

RECREATION FACILITY AND PROGRAM FUNDING

Township Parks and Recreation Budget

In FY 2010, Water and Maintenance Department received an annual budget allocation of \$60,000 for parks and recreation expenditures. \$35,000 was allocated for maintenance and \$25,000 for land improvements. About \$5500 was allocated for park utilities. In addition, a separate fund allocation is designated as Building and Grounds. In FY 2010 this figure was \$30,000. These funds are allocated from the Township general fund and go principally for maintenance and improvements to Shanahan Field and North Point Preserve Park. Based on Township Staff recommendations to the Supervisor, a proposed budget is submitted each fall to the Board for public hearing and approval. Typically, only operations are budgeted unless a major repair or improvement project is planned, and such project cost projections are identified during the budgeting process conducted the fall before the targeted fiscal year expenditure.

Funding

Currently, the Township utilizes general funds to make or support small capitol improvements to the recreation facilities. Most recently, the Township allocated matching funds to support development of a basketball court at Shanahan Field by a local Eagle Scout and his troop. In the past several years other funds were used to support Boy Scout Troop improvement projects at North Point Preserve.

There is no current recreation millage in the Township. The Township has utilized grant funds secured from the Michigan Natural Resources – Trust Fund (MNRTF) on two occasions. The acquisition of North Point preserve in partnership with the Little Traverse Conservancy (LTC) in 1987, and park improvements to Shanahan Field in 1991. The Action Program in the plan also recommends the Township consider other recreation funding sources depending on the project, to leverage local dollars and bring tax dollars back to the community in the form of grants. Some additional funding sources include MDNR Passport to Recreation, and Waterways Boating Access grants among others.

The development of the Township Recreation Plan in 2011-12 organizes an action program to help justify and seek project funding directly from the Township board on a case-by-case basis as well as make the Township eligible for MNRTF grants through the Michigan Department of Natural Resources. Public input and participation in the process of defining goals and objectives and developing the action program confirmed targeted projects. This plan also develops cost projections for the proposed projects over the next 5 years. The projections can be used by the Township board to establish line items allocations and anticipated capitol expenditures, and grant matches. See Section 6, the Action Program, which outlines estimated costs and sources of additional funding envisioned for proposed future project efforts.

Maintenance / Forced Account and Volunteer Services

Currently, the Township Water and Maintenance Department staff maintains the facilities, including landscape maintenance and trash removal, lawn mowing, snow plowing and general maintenance of the restrooms, tennis courts and other amenities. However, forced account labor and in-kind services have been utilized to make capitol improvements such as the new basketball court at Shanahan Field and support of Boy Scout projects at the North Point Preserve.

With the renovation and rededication of Shanahan Field targeted, volunteers from the youth baseball organizations will likely play an active roll in the planning, design, construction and future maintenance tasks of the field and amenities. It is also likely future Boy Scout projects will be brought forward that might fulfill targeted improvements outlined in the recreation action program.



The following data is an inventory of existing recreational facilities within Charlevoix Township and included City of Charlevoix as well as other public and private recreational facilities within 10 miles of the Township. This information has been divided into the categories of Public/Semi-Public and Private Facilities (See Appendix-1 for Recreation Inventory Map). Public Facilities are those owned and operated by the Township or other public entity. Private facilities refer to recreational uses privately owned and operated. Use of the private facility requires payment of a membership, user fee or service charge.

This updated data was assembled using the Michigan Resource Inventory System (MIRIS) database, internet websites and input from Township Staff and the public. In addition, each Township site was visited and inspected during the summer and fall of 2011. Inventory and evaluation for barrier-free access-ability was conducted. The following section describes the recreational amenities and facilities in three categories:

- 1. Recreation Facilities**
- 2. Recreation Facilities Inventory / Universal Access Assessment**
- 3. Prospective Facilities**

1. RECREATION FACILITIES

PUBLIC/SEMI-PUBLIC FACILITIES OWNED OR OPERATED BY TOWNSHIP

- A1. Shanahan Field
- A2. North Point Nature Preserve
(Including beach access from Michigan Ave. near the intersection of Mt. McSauba Road.)

OTHER PUBLIC/SEMI-PUBLIC FACILITIES (within Township)

- A3. Mount McSauba Recreation Area (City)
- A4. Michigan Beach Park (City)
- A5. Water Tower Park (City)
- A6. Hoffman Park (City)
- A7. Robert Bridge Memorial Park (City)
- A8. East Park / Charlevoix City Marina
- A9. Depot Beach (City)
- A10. Community Skate Park (City)
- A11. Carpenter Avenue Ball Fields (City)
- A12. Ferry Beach Park (City)
- A13. Downtown Charlevoix Central Business District (CBD)
- A14. Elm Street Tennis Courts (x4)

PRIVATE FACILITIES (within Township)

- B1. Belvedere Golf Club
- B2. Charlevoix Golf and Country Club
- B3. Northwest Marina Yacht Club

PUBLIC SCHOOL FACILITIES

- C1. Charlevoix Elementary School
- C2. Charlevoix Middle School
- C3. Charlevoix Emmet Intermediate School
- C4. Charlevoix High School

PROSPECTIVE PUBLIC or NGO FACILITIES

- D1. Lakeshore Drive Road End (Boat Launch and/or Public Space)
- D2. Lake to Lake Multi-use Trail

PROSPECTIVE PRIVATE FACILITIES

- E. None proposed at the time of the plan development.

OTHER REGIONAL PUBLIC FACILITIES

- F1. Fisherman's Island State Park (Michigan Department of Natural Resources)
- F2. Little Traverse Wheelway (Top of Michigan Trails Council)
- F3. Charlevoix Golf Club (City)
- F4. Charlevoix Community Pool (north in Hayes Twp.)
- F5. Oyster Bay Preserve (LTC)
- F6. Susan Creek Preserve (LTC)
- F7. Seibert Preserve (LTC)
- F8. Kieren Preserve (LTC)
- F9. Mulberry Farm Preserve (LTC)
- F10. Hagerty Preserve (LTC)
- F11. Whiting Park, Charlevoix County (Eveline Twp.)
- F12. Burgess Street Boat Launch (Hayes Twp.)
- F13. Charlevoix Rod and Gun Club (Hayes Twp.)

2. RECREATION FACILITIES INVENTORY

A1. Shanahan Field

Originally improved with Michigan Natural Resource Trust Fund (MNRTF) dollars in 1991, Shanahan Field is the primary active recreation complex for Charlevoix Township residents. It is located on the site of the Township Hall, DPW garage elevated water tower. Along with an aging multiuse ballfield and soccer field the park facilities include, a new basketball court (2011), picnicking and playground amenities, an old BMX dirt track, public tennis courts and restrooms.

Park Type: Recreational Park, Picnic Park

Size: 16.9 acres

Most Likely Service Area: Township, Regional user base; Soccer teams from downstate (train)

Grant Number: TF91-270

Site Plan: *See Appendix A3*

Facility Inventory:

- Picnic Shelter (1) 34'x54',
- Meeting Room / Public Restrooms 24'x45' (including utility room)
- Paved car parking (140 spaces)
- Former BMX track (dirt)
- Soccer field (1) & programmable open space (a "over-kicked" net system was added in 2009)
- Play Structure (5-12, 2 towers fair condition, surfacing: bark mulch, no UA access, no toddlers K-5 play structure) – full inspection needed; fasteners exceeding life
- Swing sets (2) (4 and 2 bank, poor fair) – replace
- Dome climber (5-12, 2 towers, slide) - replace
- Grills (2) – replace
- Basketball Court (new 2011)
- Ball diamond (1) – skinned infield
- Aging scorer's building (timber frame)
- Aging dug outs (timber/block)
- Aging bleachers (block construction)
- Aging backstop and chain link fencing
- Tennis Courts (4) – good conditions
- Basketball Court with 2 goals/backboard (2011)
- Sand Volleyball Court (1) – replace posts/net
- Create edged area, new court sand.
- Shade trees (2 dozen) – Maple, Oak
- Evergreen trees (25+) – Large grove of middle age white pine near former BMX track)



- The Township Hall, DPW garage and elevated water tower are also located on the property.
- A public meeting room (board chambers) is available by special reservation and restrooms are available during Township Hall open hours.

Upon completion of barrier-free compliance analysis, Shanahan Field scored “2.” The Township Hall and Meeting/Public Restroom Building provide barrier-free restrooms, sidewalks, access and parking to meet ADA standards; however, other areas of the park, ballfield (I.e. bleachers and dugouts) do not meet barrier-free guidelines. The play structure also lacks universal access features such as play area surfacing and play features, and connecting pathways, transition from the observation deck to the play area is not barrier free.



A2. North Point Nature Preserve (conservation easement)

Park Type: Recreational Park, Nature Park, Limited Hunting

Size: 27 Acres, 2800' of Lake Michigan Frontage

Grant Number: TF#87-317

Site Plan: *See Appendix A4*

North Point Nature Preserve is popular for hiking, cross-country skiing, nature studies, nature photography or just a quiet commune with the wilderness. The 27-acre dune and wooded area at North Point features wood chipped trails and wooden viewing platforms providing excellent views of Lake Michigan and the adjacent City of Charlevoix Recreational Area. The centerpiece of the neighboring 50-acre parcel, Mount McSaubia is the highest of the steep sand dunes north of Charlevoix. In the summer, Mount McSaubia offers a city-operated day camp for boys and girls.

North Point Nature Preserve provides tranquility and diversity by means of its many trails which wind throughout the preserve offering opportunities to see successional stages of forest cover, 2800 feet of Lake Michigan shoreline and three threatened plant species: Pitcher's Thistle, Lake Huron Tansy, and Pumpell's Bromegrass.

The Property was purchased with funds contributed by the people and businesses of the Charlevoix area, with the help of a grant from the Michigan Natural Resources Trust Fund in 1987. The land was deeded by the Little Traverse Conservancy to Charlevoix Township as a public nature preserve. As a preserve, it provides a home to a variety of wildlife. Some of the more commonly observed animals include deer, porcupine, squirrels, and rabbits. Ducks and various shore birds are common, and loons, eagles, and great blue heron can be spotted on occasion as well.

Currently, the Township independently conducts natural resource management of the North Point Preserve with the assistance of local volunteers and Boy Scout Troop projects. There is no active roll from the original partner The Little Traverse Conservancy (LTC), who assisted in the land's acquisition. There is currently no written Management Plan or site improvements or operations and maintenance schedule. (*See Appendix A4 - Aerial Photo and Site Trail map*).





Facility Inventory:

Coastal Wetland

Cobble Beach

Sand Beach (swimming permitted)

Secondary dune area (with endangered species).

Trail Head Parking (x 6)

Over look deck

Gravel Maintenance Road (not open to general public vehicular use)

Interpretive Signage

Hiking / Cross-country Skiing Trail Loops (Several miles)

Trail link to neighboring Mt. McSauba Recreation Area

Universal Access is limited to the steep terrain, dunal and hydric soil conditions of UA rating “4”



Township maintains beach access site with a 8 car parking area to the east of North Point Preserve and Mt. McSauba on Mt. McSauba Road. This beautiful sand beach access is unnamed.

North Point Nature Preserve is immediately adjacent to the City’s Mt. McSauba Recreation Area which, while still operating as an active recreation park, has common sensitive environmental areas and considerations. Careful and coordinated management of the common resources of the Township and City in this area is essential.

OTHER PUBLIC/SEMI-PUBLIC FACILITIES (within Township)

A3. Mt. McSauba

Skiing - Snowboarding - Terrain Park - Skating Rink - Sledding Hill - Snowshoeing - Groomed and Un-groomed XC Trails - Rental equipment - Snack Bar. The City of Charlevoix offers one of the few municipal ski facilities left in Michigan. Mt. McSauba became a municipal ski resort in 1956 and is ranked as one of the top three small ski areas in the United States. Mt. McSauba is perfect for the beginner or intermediate skier with a sprinkling of slopes for the more advanced downhill skier. It offers six runs, four rope tows, lighted skiing and a free-lighted sledding hill. Snowboarders, snowbladers and snowshoers will enjoy a day spent at Mt. McSauba. Equipment is available for rental. Group lessons and private lessons are also available. Skier or not, the view from atop Mt. McSauba is spectacular.

The City also operates a successful day camp during the summer, offering a wide range of activities and classes for children five years of age and up. A staging point for these activities is a two-story lodge used year round.

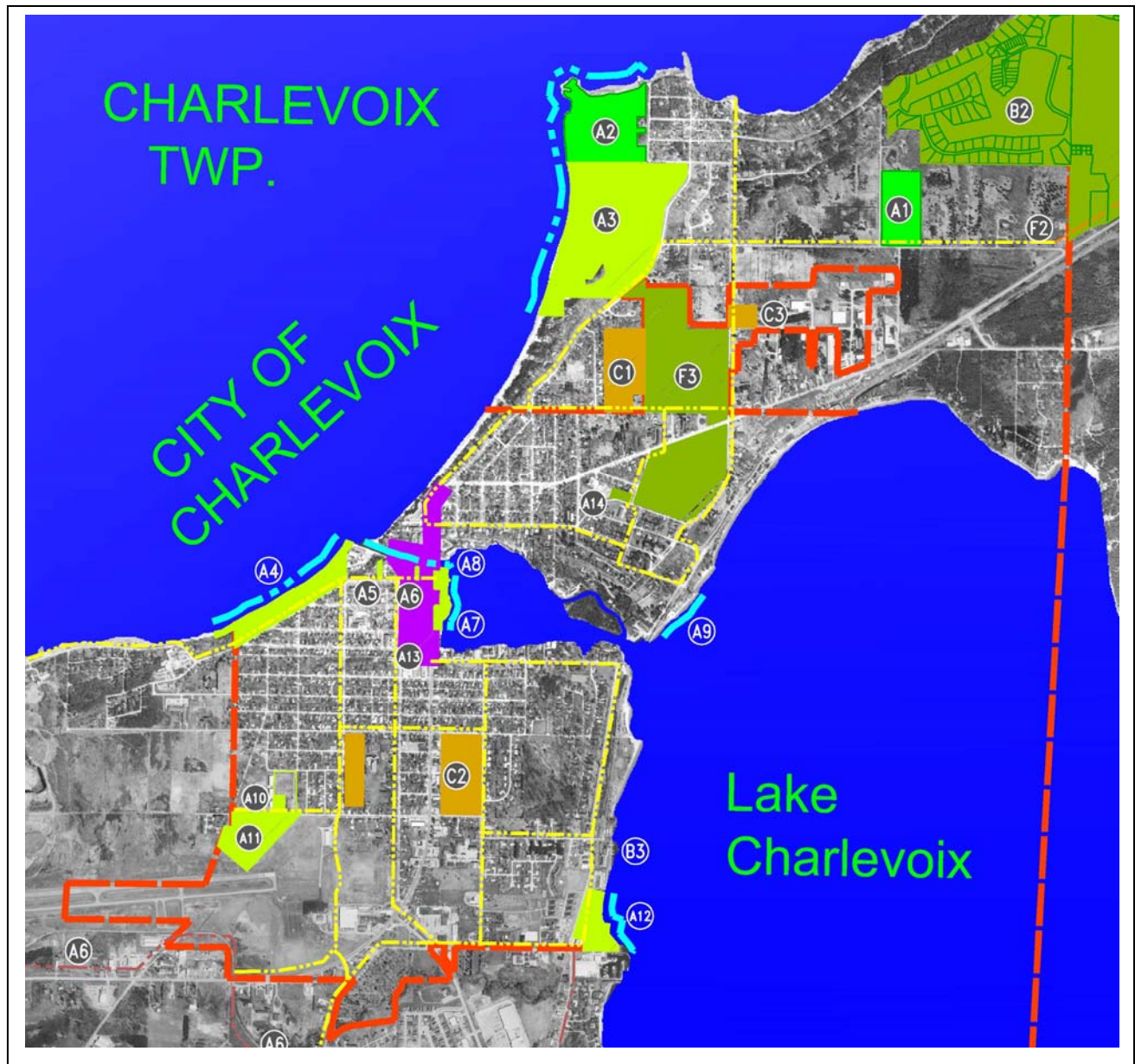
In 2011, the City approve the development of an 18 hole disk golf course to be developed at the facility, with the mandate that it be designed and developed to “...minimize impacts to existing uses and the natural environment.” Some initial course work has been funded by donations and volunteer labor.



A4. Michigan Beach Park (95 Grant St.) - Wide, sandy beach staffed by lifeguards; walking paths, playground equip., volleyball net, basketball courts, picnic tables, covered pavilion, restrooms, seasonal concession stand. The Park is immediately adjacent to the Lighthouse south pier head.



(Photos: City Website).



A5. Watertower Park (Park Ave.) - Overlook of Pine River Channel, seating areas, not handicap accessible due to hilltop location. Access from Park Ave. or Pine River Channel.

A6. Hoffmann Park (103A Park Ave.) - Overlook of Pine River Channel and drawbridge. Seating area, access from Pine River Channel or Park Avenue.

A7. Robert Bridge Memorial Park (Bridge St.) - Overlook of drawbridge and Round Lake. Available seating areas and picnic tables.

A8. East Park (Bridge St.) - Picnic tables, seating areas, open space, interactive fountain, performance pavilion, trout stream, marina access.

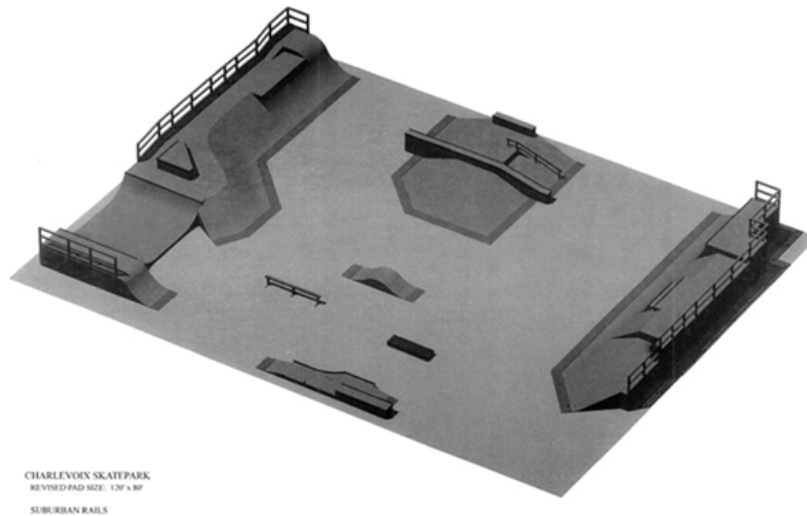


Charlevoix City Marina - 8 seasonal slips, 60 transient and 2 commercial slips, electric, water, gasoline / diesel, restrooms, showers, sanitary pump out, ice, long term parking, courtesy vehicle, dog run, 24-hour security, grills, picnic tables, cable TV, WIFI, laundry.



A9. Depot Beach (307 Chicago Ave.) - Beach, covered pavilion, picnic areas, playground equipment, grills, volleyball net, restrooms.

A10. Community Skate Park (401 W. Carpenter Ave.) - Custom-built wooden skate park. Low user-fee, skateboarding, BMX facilities, safety equipment rental.



(Sources: photos and images City of Charlevoix Website).

A11. Carpenter Ave. Ball Fields (406 W. Carpenter Ave.) – 3 softball fields (skinned infield), 1 baseball (grass infield), restrooms, paved parking lots, site of summer league play. Across from Community Skate Park.

A12. Ferry Beach Park (224 Ferry Ave.) - Swimming beaches, horse shoes, volleyball, basketball, playground equipment, pavilions, seasonal concession stand, restrooms, major boat launch on Round Lake.

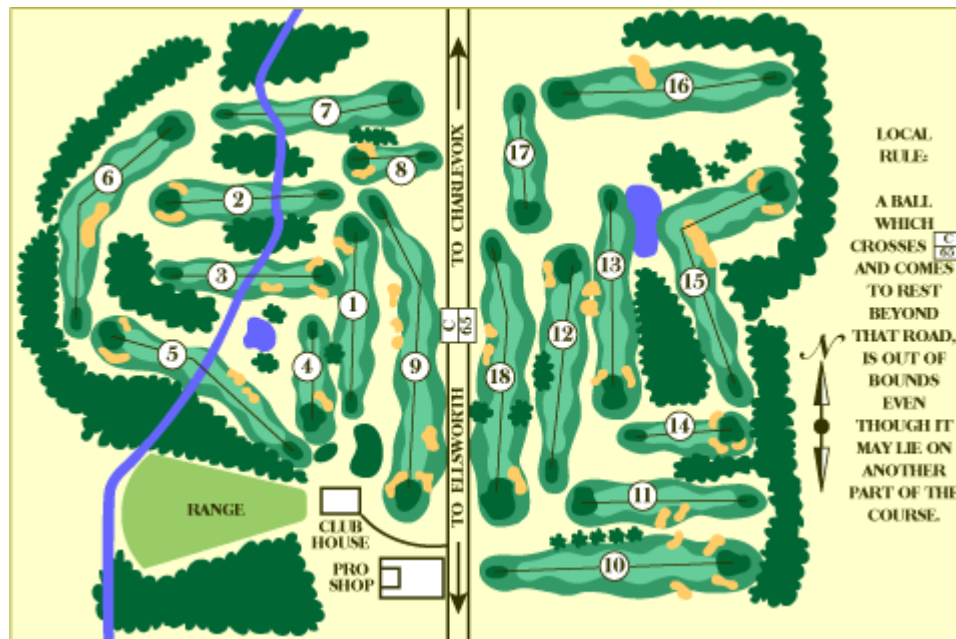
A13. Downtown Charlevoix CBD – Leisure time pursuits like window shopping, downtown events, art shows, entertainment, and dining are all part of the recreational experience in Charlevoix.

A14. Elm Street Tennis Courts – Four hard courts are available to the public near the Golf Course.

PRIVATE FACILITIES

B1. Belvedere Golf Club (5731 Marion Center Road)

The course was designed by Scotsman William Watson in 1927. Today, his attention to detail and respect for the land is evident in the carved fescue fairways and seaside bent greens. Belvedere is an old style course which plays to a par 72, 6715 yards and offers challenging 3 and 4 pars with 5 pars that reward aggressive play for birdie and eagle opportunities. (Source: Belvedere Golf Club – Website).



B2. Charlevoix Golf and Country Club (9600 Clubhouse Drive)

The layout is an award winning Jerry Matthews designed 18-hole championship course featuring a combination of open and wooded fairways. The course offers excellent sport and play for golfers of all levels. Heather lined fairways coupled with ingenious water on eleven holes provide for challenging rounds time after time. This sporting design appeals to both Scottish and North American golf course enthusiasts. (Source: Charlevoix Golf and Country Club – Website)

B3. Northwest Marine and Yacht Club

Since 1981, Northwest Marine Yacht Club has been a favorite private club. Northwest Marine Yacht Club consists of 207 slips, full protected harbor on Lake Charlevoix with pump out, lodging, boater amenities, and outdoor swimming pool.

PUBLIC SCHOOLS

There are five public schools located within Charlevoix County and each is located in the Charlevoix-Emmet Intermediate School District. Two public schools and one charter school lie outside Charlevoix County servicing County residents for a total of seven, public school districts and two charter schools within the Charlevoix County area.

Four schools are located in Charlevoix Township and residents are serviced by the Charlevoix Public School District and Charlevoix-Emmet Intermediate School Districts (CEISD).

C1. Charlevoix Elementary School is located 13513 Division Ave

C2. Charlevoix Emmet Intermediate School facilities are located at 8568 Mercer Road along with administrative offices of the CEISD.

C3. Charlevoix Middle School is located at 104 E. St. Mary's Dr. (Full track and Football field)

C4. Charlevoix High School is located south of town at 5200 Marion Center Rd in Marion Township. (1 baseball field, 1 softball field)

The Charlevoix Public Schools and CEISD facilities offer a wide variety of recreational activities, including tennis courts, football practice facilities, baseball diamonds, all-weather track for track and field, soccer fields, playground facilities, general open space, and gymnasiums for indoor activities such as volleyball and basketball.

These facilities are either fully open to the public, or available for public use with approval of school authorities.

PROSPECTIVE PUBLIC OR NGO FACILITIES

D1. Lakeshore Drive Road End – Boat launch

Located near MDNR fish wrier at “Medusa” Creek, the site could receive possible improved public access. Historically, a small boat launch provided primitive access to Lake Michigan over the rocky beach. The Shoreline commands views to channel mouth, and is a popular fish viewing, steelhead fishing area seasonally. Its location is a long distance from nearest launch in Round Lake. Some unauthorized camping is evident during the salmon runs.



D2. Lake to Lake Multi-use Trail

In November of 2011, The City of Charlevoix and Charlevoix Township entered into an agreement to pursue funding to develop a multi-purpose trail between Lake Michigan and Lake Charlevoix. The proposed purpose was to "...benefit the greater Charlevoix area, summer residents, and tourists as well as the year round residents of their respective entities to develop a pedestrian, bicycle, equestrian, cross country ski, snowshoe, and snowmobile trail..". The trail would ultimately connect Fisherman's Island State Park on Lake Michigan via Bell's Bay Road Corridor past the Charlevoix Municipal Airport and up to the City's Ferry Beach Park on Lake Charlevoix via a series of off road easement and existing road R.O.W. A Michigan Department of Transportation – Enhancement Grant is targeted to help fund the project. The City and Township have agreed to share in the trail development matching costs, 10% each. *(See Appendix A5 - Lake to Lake Multiuse Trail Proposed route).*

PROSPECTIVE PRIVATE FACILITIES

E. None identified at the time of plan development.

OTHER REGIONAL PUBLIC FACILITIES

F1. Fisherman's Island State Park

Fisherman's Island State Park is not actually an island, but a 2,678-acre park. The interior terrain consists of rolling dunes covered with maple, birch and aspen broken up by bogs of cedar and black spruce. The park has over six miles of unspoiled Lake Michigan shoreline. The island for which the park was named no longer exists. Due to years of lower water levels in Lake Michigan the island has become a peninsula now lush with native wildflowers. There are 80 rustic campsites with 15 of those nestled in the dune area along the Lake Michigan shoreline. *(See Appendix A6 - Fisherman's Island State Park).*

Approximately three miles of hiking and cross-country ski trails make 4-season nature observation a pleasant pursuit. The trails are not groomed in the winter. Hunting is allowed during regular seasons except for a 450-foot safety zone around occupied dwellings and the campgrounds. Grills and picnic tables are located in a picnic area about three miles inside the park's main entrance. A public swimming beach is also located near the designated picnic area.

F2. Little Traverse Wheelway (LTW) - Non-Motorized Recreation and Transportation Trail

The Little Traverse Wheelway is a 26 mile, non-motorized paved trail that extends from Charlevoix to Harbor Springs. It was officially dedicated to the people of the State of Michigan on October 24, 2002. The Charlevoix County segment of this trail is approximately 9 miles long and runs along the north side of US-31 from Charlevoix to the Emmet County line at Bay Shore. This trail offers a unique boardwalk bridging a wetland area rich with wildlife, and direct water access at several points along the Lake Michigan shoreline, including two MDOT roadside parks that are perfect for a picnic or scenic resting spot. Trail users may bike, skate, ski, walk or run (pick your favorite sport for any season) on the trail. Snowmobiles and horses are NOT permitted anywhere on the trail.

In Charlevoix, the trail head is located at the **Charlevoix Township Hall** at 12491 Waller Road. Trail users will find parking, restrooms and safe trail access here. The first mile of the trail (from the

trail head east to US-31) shares the right-of-way along Waller Road (shoulder is extended and paved).



At the Waller Road/US-31 intersection, you will proceed northeast and pass the Charlevoix Community Pool and the Charlevoix Country Club. Shortly thereafter, you will reach the boardwalk that bridges a wetland area.

For a trail map of the Charlevoix County segment of the Little Traverse Wheelway, a trail map and guide for the *entire* trail may be purchased from the Top of Michigan Trails Council.

(Photo Source: Charlevoix County Website)



F3. Charlevoix Golf Course

Originally called the Charlevoix Golf Club, the course was designed by Willie Watson a Chicago attorney. It opened as a 9-hole, 30 par course and due to its central position in the City, it is bisected by the busy US-31 and Division Street. In 1937, the Chicago Club turned their golf course over to the City of Charlevoix for the sum of one dollar. The city has successfully maintained and operated the course ever since. It was renovated by the City in 1990 to further beautify and improve its historic character.

F4. Charlevoix Community Pool (11905 U.S 31 North - near the Charlevoix County Club)

The Charlevoix Area Community Pool provides recreational, fitness, water safety and educational activities for all age groups in the Charlevoix area. The pool was developed in 2004 with the establishment of a Recreational Authority Millage passed by the City, and Charlevoix and Hayes Townships. As well as being used for year round recreational activities, local participating agencies also utilize the facility for health related rehabilitation.

F5-510. Little Traverse Conservancy (LTC) Preserves

There are several LTC preserves within a few miles north and east of Charlevoix Township in Hayes Township. These conservancy lands range from large acre tracks with developed trails and visitor access and amenities to nature areas preserved without amenities. These sites include Oyster Bay, Susan Creek, Siebert, Keiren, Mulberry Farm and Hagerty Preserves. *(See Appendix A8 – LTC properties in or nearby Charlevoix Township).*

F12. Elm Street Tennis Courts

The City maintains four hard courts on Elm Street adjacent to the Charlevoix Golf Course. A double-sided practice wall is also available. Local pickle ball players are also utilizing the courts.

F13. Charlevoix Rod and Gun Club (13064 US-31, Hayes Twp. – 3 miles north)

The facility is a semi-private club and offers skeet and trap shooting fields as well as an indoor shooting range and 3-D archery course. A small stocked fishing pond is also available on site.

RECREATIONAL FACILITIES WITHIN 10 MILES OF TOWNSHIP BORDERS

In addition to the recreational parks and facilities township citizens enjoy in the City of Charlevoix, numerous recreational opportunities also exist within a drivable and/or bike-able distance. These include facilities in Norwood, Marion, Eveline, Hayes and Resort Townships, and Emmet County facilities.

MDOT maintains the Robert T. Adams Roadside Park just east of Burgess road on US-31 and a public boat launch is accessible at Burgess Road/ US-31 near the Susan Creek Preserve. Both sites are along the Little Traverse Wheelway approximately 3 miles northeast of the City of Charlevoix. Approximately 2 miles east of Burgess Road another MDOT roadside scenic pull off and picnic area is located near Nine Mile Point. Yet another few miles along the LTW, Resort Township's West Park provides beach access to Lake Michigan.

Norwood Township and the City of Charlevoix and well as Whiting Park (Charlevoix County) offer public swimming beaches on Lakes Michigan and Charlevoix. Along with the beach parks, small neighborhood parks are scattered throughout City and neighboring townships. Emmet and Charlevoix Counties also offer numerous park facilities, including their respective county fair grounds. Recreational and sports complexes are also available in the Village of East Jordan, Boyne City, and City of Petoskey providing opportunities for regional organized sports activities and leagues.

Along with North Point and Susan Creek, The Little Traverse Conservancy and Grand Traverse Conservancy have seven other natural area and preserve properties within Charlevoix County including the following: *Barney Lake, Little Sand Bay, Charles A. Ransom, Raven Ridge, St.Clair/ Six Mile Lake, and Sleepy Hollow Natural Areas and Preserves. (See Appendix A9 - LCT properties in the Charlevoix County).*



REGULAR RECREATION COMMITTEE MEETINGS

Throughout the Shanahan Field planning process, these parks and recreation committee meetings have been open to the public for comment and feedback.

RECREATION PLAN UPDATE - STAKEHOLDER INPUT #1 - November 28, 2011

On November 28, 2011, Charlevoix Township and the facilitator-private planning consultant, Gosling Czubak Engineering Sciences, held a Stakeholder Input Session to solicit public input for the update of the Recreation Plan. (*See Appendix A10 - Public Input Meeting Flyer*).

Participants were asked to look at Charlevoix Township (and City) as a system of parks with endless recreational opportunities. Then to think and comment on how you believe the community could participate in improving what we already have, and cooperate with the City and stakeholders or what additional things might be possible:

An *Overall Recreational Inventory Map* was presented so participants could see all the recreational amenities, assets, facilities and opportunities available. As a group they were asked to please write, draw or make notes on the map for additional recreational goals, new locations or connections (trails/routes) needed. A discussion regarding the *newly signed agreement for the Lake to Lake Multiuse trail* occurred.

Participants were asked to evaluate the existing facilities owned or operated by the Township at *Shanahan Park: North Point Nature Preserve*; as well as consider the broader township and sub-region and relationship to the City of Charlevoix's Park system and programs.

Participants were asked to provide specific information on amenities that are lacking or in need of repair, to consider how to build off the existing resources and bring positive recommendations to the table. The latest existing conditions maps and conceptual plan proposals for each facility were reviewed and discussed as well as other pertinent information for each site as participants offered ideas.

Exercise I: What can be done to continue to improve Shanahan Field?

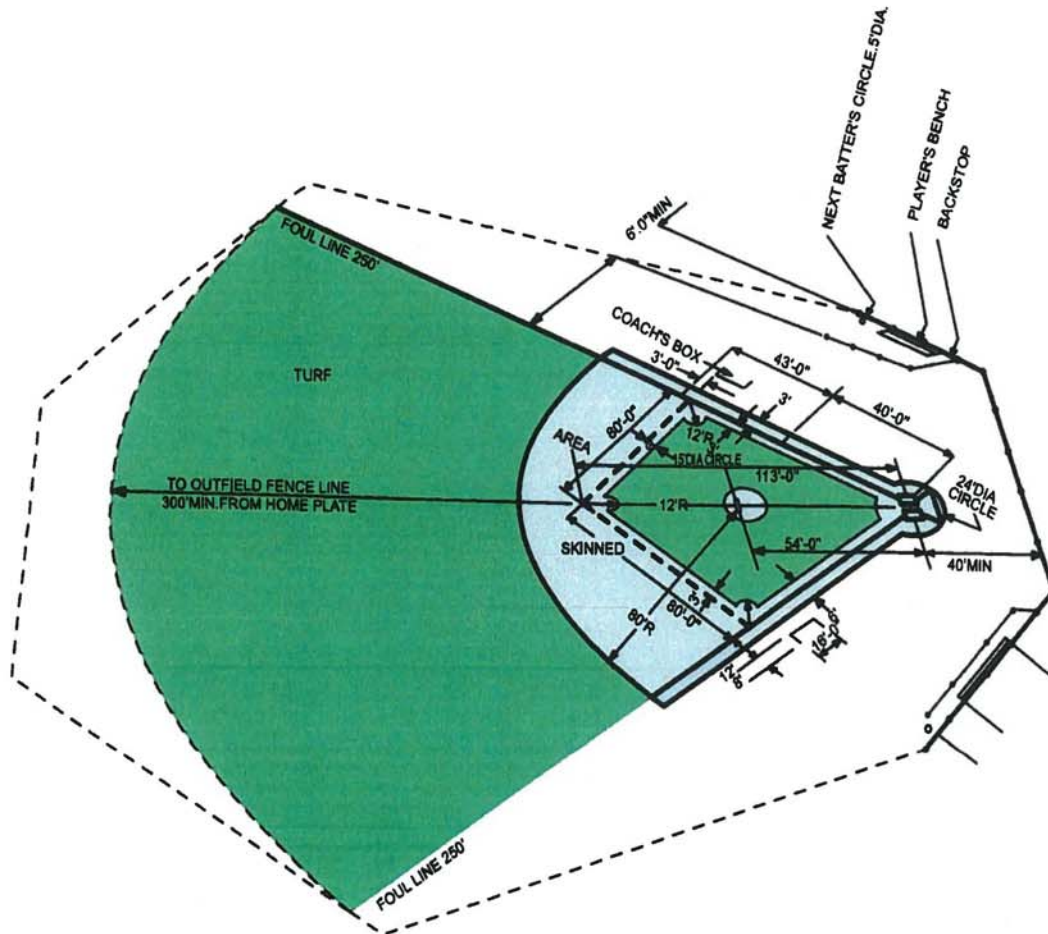
Some ideas reviewed and discussed at the table:

- a. *Provide interpretive and wayfinding signage (particularly for LTW trail head)*

- b. *Refine parking areas for safer pedestrian access (crosswalks, islands, clear vision)*
- c. *Landscape plantings & Street trees*
- d. *New picnic tables or benches*
- e. *Renovate ballfield*
 - *Junior Baseball dimensions (90' base paths) – (See following page for proposed configuration)*
 - *grass infield, irrigation, warning tracks, fencing,*
 - *high backstop and left field fence*
 - *dugouts, bleachers,*
 - *Lighting was not discussed*
 - *Remove and replace ballfield scorer's / concessions building and*
 - *Add a new scorer's and equipment storage near the back stop*
 - *Consider additional land adjacent to the park (easement purchase) for more depth*
- f. *Walking pathway around the park with fitness stations*
- g. *Upgrade playground equipment / universal access surfacing*
- h. *Develop site universal access upgrades where appropriate*
- i. *Consider horse shoe pits*
- j. *Consider Disk golf practice holes*
- k. *Complete walkways and environs around new basketball vicinity*
- l. *Expand park to the north*
- m. *Renovate old Picnic Pavilion*
- n. *Refurbish the old BMX track and pine stand area*
 - *Picnic pods with UA tables & grills and surfacing*
 - *UA Crushed stone path connections*
 - *UA drinking fountain*
 - *Splash Pad area*



Pony League Baseball Field Dimensions



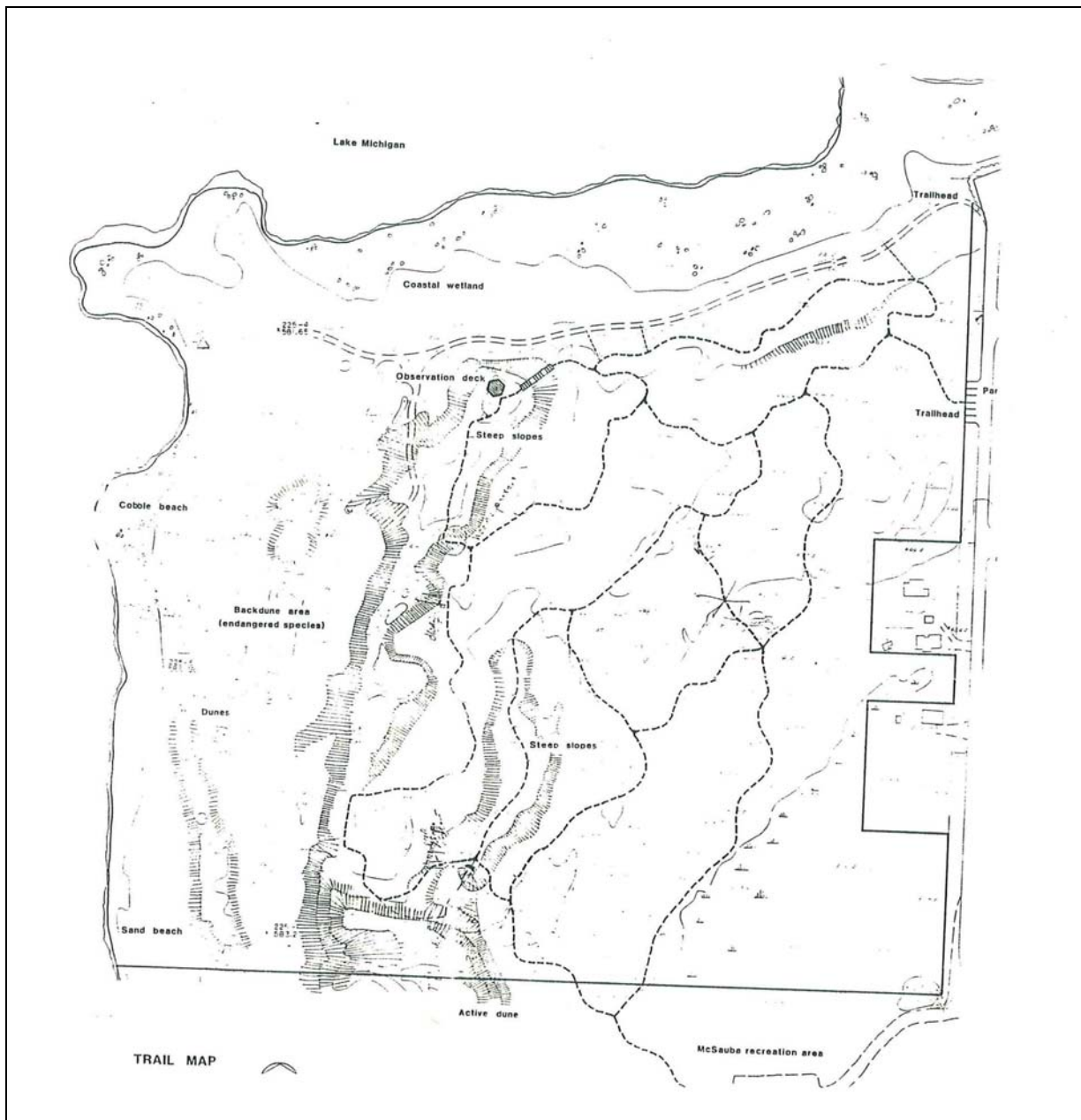
Better Fields Make Better Players

1.866.407.7687
www.HKsportsFields.com
Pony League Baseball Field Dimensions

Exercise II: What can be done to improve North Point Nature Preserve?

Some ideas on the table:

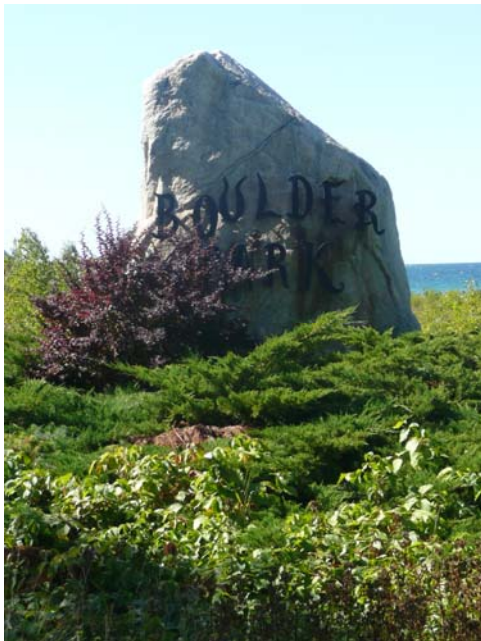
- a. Gather information resources and contacts on recent improvement efforts*
- b. Develop a new site plan and geo-position existing trails, and amenities*
- c. Work with the City to evaluate common access and management issues with Mt. McSaub property.*
- d. Work with the Little Traverse Conservancy and MDNR to review resource inventory status*
- e. Develop a Resource Management Plan for the property in cooperation with the City*
- f. Identify capitol improvements, and annual operation and maintenance cost projections.*



Exercise III: What should be done to evaluate Lake Shore Dr. boat launch /public access

Some ideas on the table:

- a. Consider redevelopment of small boat launch capability*
- b. Evaluate feasibility of a new launch ramp and skid pier*
- c. Conduct preliminary engineering analysis (gather topographic and property data, develop layout)*
- d. Work with CCRC to review possibilities/options for improving public access site and road end amenities*
- e. Work with Cement Company to consider public access and use issues, considerations*
- f. Obtain and review property and ROW information*
- g. Consider a fish cleaning station*



PARKS AND RECREATION MEETING – DRAFT Plan Review - December 12, 2011

A regular meeting of the Township Board to introduce and discuss aspects of the proposed Recreation Plan and provided for public input on for the DRAFT plan. This regular meeting of the board was publicly noticed and flyers were posted and emailed. *(See Appendix A10 - Public Input Meeting #1 Flyer).*

PUBLIC HEARING – Township Board Special Meeting – January 24, 2012

An advertised public hearing was held on **January 24, 2012** by the Township Board to formalize a resolution for adoption of the updated Recreation Plan and consider initial action steps to apply for **Passport to Recreation grant funding** from the Michigan Department of Natural Resources. The public hearing was advertised in a local newspaper more than seven days prior to meeting *(See Appendix A11 - Public Notice Affidavit).*



The **DRAFT** Goals and Objectives for recreation in Charlevoix Township were developed together with the Parks and Recreation Committee utilizing public input, existing condition of recreational facilities, resource inventory, and assessment of forecasted demographics and population changes. Past and current recreation planning documents were reviewed and considered including; the *City of Charlevoix 2011-2016 Parks and Recreation Master Plan*, and the *Charlevoix County Recreation Plan – 2009-2013*.

Decision Making and Goal Formulation

As stated previously in the Introduction and Background Section 1, it can be clearly discerned from the demographic data that the Community of Charlevoix, and wholly all of Northwest Lower Michigan sees a large influx of year-round seasonal visitation. It is also clear that the permanent populations are getting older and younger age cohorts decreasing. These two trends are not necessarily incongruent, however careful assessment of existing facilities and amenities is important as recreation goals and objectives are defined. Specific user and stakeholder input is important including consideration of the user-base envisioned, and projections on growth and interest by the group for amenities or improvements desired. Multi-generational assets and amenities carefully planned or improved for existing and proposed facilities were also considered in the goal formulation.

GOAL #1

Make improvements to Shanahan Field with local resources and leveraged state grant funds.

Shanahan Field is one of two public Township owned and operated recreation facilities available to people and visitors of Charlevoix Township. As its only active recreation park facility, modern, sustainable and accessible design components and amenities are lacking. Most amenities have not been upgraded since 1991 under a Michigan Natural Resources Trust Fund grant.

The park can be accessed by the nearby Little Traverse Wheelway (LTW), and in fact serves as an informal trail head. The facility is also integral to proposed in-town bike routes and connections stated in the City's Recreation Plan. A direct link to the Township's second recreation facility – North Point Preserve – can be made via Waller and Mercer Roads approximately 5 miles west.

Improvements and detailing to the Shanahan Field facility per the current concept and recreation goals would provide even more of a diversified design and a richer more diversified environment for locals and visitors of all ages and interests to enjoy.

A concept master plan has been completed for Shanahan Field (*See Appendix A3 - Shanahan Field Conceptual Site Plan*). Along with the following written objectives, and action program (See Section 6 of this documents), the Township has the tools to move forward with improvements.

Objectives:

- a. *Develop formal LTW Trail Head at the Township Hall with interpretive and wayfinding signage*
- b. *Refine parking areas for safer pedestrian access (crosswalks, islands, clear vision)*
- c. *Landscape plantings & Street trees*
- d. *Consider site lighting options (for shoulder season extended use hours)*
- e. *New picnic tables or benches*
- f. *Renovate ball field (See details in public input – Section 4)*
- g. *Walking pathway around the park with fitness stations*
- h. *Upgrade and replace all aging playground equipment and develop universal access play area*
- i. *Develop site universal access upgrades where appropriate*
- j. *Consider horse shoe pits and other “lawn games”*
- k. *Consider Disk golf practice holes*
- l. *Complete walkways and environs around new basketball vicinity*
- m. *Explore expansion of park property to the north and west*
- n. *Renovate old Picnic Pavilion consider adding a second pavilion*
- o. *Refurbish the old BMX track and white pine stand area (I.e. splash pad, ice skating rink, etc.)*
- p. *Consider safety, security and access issues around the old buried water tank (I.e railings, signage, aesthetics, lighting and adaptive reuse)*
- q. *Develop MDNR Passport to Recreation or MNRTF Grant Application for April 1, 2012 Submittal*
- r. *Consider additional property easement purchase to expand park acreage, specifically to accommodate a larger ball field and walking path loop, and generally to the north for future undermined recreational pursuits*
- s. *Develop an MDNR – MNRTF Acquisition grant application if applicable and necessary for land purchase at Shanahan Field.*

GOAL #2

Develop more formal management plan for North Point Preserve including improved operation and maintenance procedures to maintain and enhance user experience and natural resource protection.

Despite recent improvements to North Point Preserve some important objectives are clearly outlined that will aid future Township leadership and residents maintain, steward and enjoy this unique natural area.

This project is supported by the City of Charlevoix Recreation plan which identifies the common goal to, “..Continue to provide diversified experiences and maintain a high environmental standards..” including objectives a – f. (*See Appendix A4 - City of Charlevoix Recreation Plan pp.44 and North Point Site plan*).

Objectives:

- a. *Gather information resources and contacts on recent improvement efforts*
- b. *Develop a new site plan and geo-position existing trails, and amenities*
- c. *Work with the City to evaluate common access and management issues with Mt. McSamba property.*

- d. *Work with the Little Traverse Conservancy and MDNR to review resource inventory status*
- e. *Develop a Resource Management Plan for the property in cooperation with the City*
- f. *Identify capitol improvements, and annual operation and maintenance cost projections.*
- g. *Write a Coastal Management Grant application to fund a joint management plan with the City for the Mt. McSaubia property and other potential natural areas which would benefit*

GOAL #3

Evaluate and develop a strategy to improve public access and leisure time amenities on Lake Michigan near Point Medusa, including consideration of a small boat launch or other fishing opportunities.

Historically, Township residents have enjoyed a scenic area along the northern Lake Michigan coastline east of the City's Lake Michigan Beach Park. This relatively remote area is accessed via Lakeshore Drive past the Charlevoix Community Hospital. It is a very walk-able and bike-able location, attracting primarily locals to lunch, watch the water and waves, observe the steelhead runs and perhaps fish.

The distinctive area known for its rocky shoreline, scenic views and good seasonal fishing is in close proximity to the Medusa Cement Plant and its related infrastructure, which starkly contrasts the natural coastal wetlands, surrounding wooded areas, and scenic lake views creating a somewhat industrial or "working" coastline feel and a place clearly sought out.

Several boating access ramps have been built over the years which allowed for small boat launching into the relative calmness of the Medusa creek mouth near Port Medusa. Public input provided impetus to develop some preliminary cost projections which may be explored in terms of feasibility.

The Township's initiative is strongly supported by major goals and objectives set forth in the Charlevoix County Recreation Plan, excerpts from which follow.

Water Access (Excerpts from the Charlevoix County Recreation Plan 2009-2013)

Charlevoix County Recreation plan establishes a priority goal to "...preserve these resources for future generations, while simultaneously responding to the need for adequate facilities. Resources of which a shortage exists in the County are water-related, both lakefront and river. The plan sites increased commercial/residential development demand for parcels with water access, thereby decreasing the availability of water access for the public and the enormous expense for lakefront (and riverfront) property as a deterrent for local units of government to acquire it for public use".

The plan goes on to state that "...acquisition of lakefront and riverfront property in those areas where the county and local units of government believe that additional access is appropriate. Once acquired, specific plans should be developed for the property, as to its future development and use by the public".

Finally the county recreation plan sites "...an additional concern regarding water access by the public is the condition of 66-foot road easements ending at the water's edge. It is recommended that these easements be surveyed and action be taken to adopt a form of management plan for public use. While 66 feet of lake frontage is not a large space for use as neighborhood swimming areas, these

places will be an increasingly valuable resource in the future. The County, local units of government, and the Charlevoix County Road Commission should jointly develop these plans”.

The goal is also supported by the City of Charlevoix’s major goal to “Maintain and improve public access to water bodies...” and the objective to “...Encourage additional fishing tournaments and waterfront events to promote Charlevoix as a quality waterfront community...”

Objectives:

- a. *Evaluate feasibility of a new launch ramp and skid pier and or other fishing access possibilities*
- b. *, write design grant to MDNR*
- c. *Conduct preliminary engineering analysis (gather topographic and property data, develop layout options)*
- d. *Work with CCRC to review possibilities/ options for improving public access site and road end amenities*
- e. *Work with St. Mary’ Cement Company reps to consider public access and use issues and considerations*
- f. *Obtain and review property and ROW information related to potential site development and use*
- g. *Consider on road wayfinding and bike lanes to link from town*

GOAL #4

Work closely with the City to consider ways to implement the Township portions of the proposed bike path network common to the City and Township – referencing section 5.5. of the City’s Recreation Plan.

The Township and City have similar stated goals and objectives with regard to supporting the benefits of a bicycle and pedestrian friendly community and improvement to the non-motorized routes available to the public. These common goals and objectives include:

- To improve public health through encouragement and access to exercise
- To reduce “carbon footprint” by reducing generated car trips
- To increase traffic safety by decreasing traffic flow
- To decrease per capita expenditures on fuel
- To link recreational and leisure time amenities with improved routes and wayfinding

Objectives:

- a. *Improve Waller and Mt McSaubia Road bike lanes to North Point Preserve including additional routing and or crossing signage, and crossing pavement markings, and bike racks at trail head locations*
- b. *Upgrade Trail head amenities at Stroud Hall (Charlevoix Township) - (See Goal 1a)*
- c. *Create, widen or improve bike lanes out Lakeshore Drive linking downtown, the Library and the Hospital in conjunction with Goal #3.*

GOAL #5

Work with and support stakeholder and user based initiatives to make improvements at township facilities and recreation programming for the mutual benefit of citizens and visitors alike and then inform township residents of ongoing recreation projects, educate them of all the recreational benefits, and encourage broader input from our township residents.

The township currently does not offer any specific recreational programming for the Shanahan Field. Currently, user groups may seek authorization on a case-by-case basis to conduct organized games, practices or events at township facilities. Organized tennis, softball, and soccer occur at the park currently occur in this way. In 2011, an Eagle Scout proposed, developed and implemented a full basketball court for the Township, providing the first of its kind ever on the property. Similarly, a local little league group has approached the township to discuss the possibility of improving or upgrading the existing ballfield to accommodate a specific age range of youth baseball for which a field to the required specifications is currently not available in the Charlevoix area.

Objectives:

- a. Research and consider alternative advertising schemes to promote more public involvement*
- b. Form a formal Parks and Recreation Committee (appointed by the Board) to work with the Township staff to identify and fulfill user-based programming initiatives. Such a board could be based on the Ad Hoc Recreation committee structure used at the City of Charlevoix as well as coordinate with them.*
- c. Prepare to accommodate programming needs if user demand dictates by working with the City and stakeholder groups to identify and address recreational needs*
- d. Provide support for a wide range of user groups with great community support for recreation and the increasing “aging” population in the township*
- e. Work with area non-profits such as The Boy Scouts, little league, soccer groups and others to promote and encourage their activities and necessary facility improvements wherever possible in order to broaden programming availability and diversity in the township*

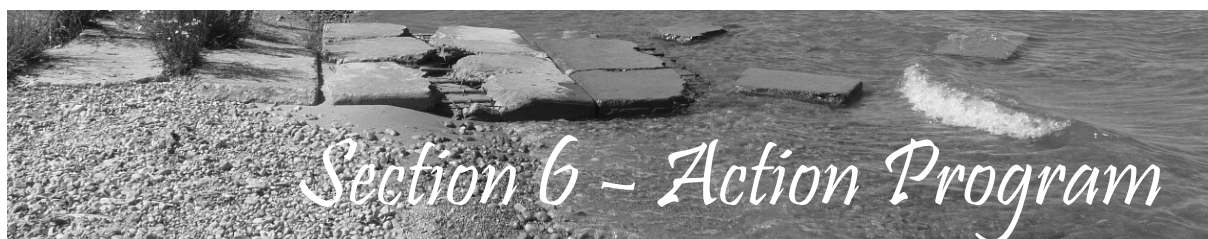
GOAL #6

The existing recreational facilities in the township offer primarily active recreation with the exception of picnicking. To provide a more diversified recreation system for all ages the incorporation of passive recreation programming and amenities are to be considered as well.

The Township endeavors to partner with the City Parks and Recreation Department and stakeholder groups to enhance more passive recreational opportunities within existing and potential facilities, including North Point Nature Preserve, and possibly Lakeshore Drive Road end area, while incorporating social interaction for all ages and historic, cultural, and natural resource interpretation and education.

Objectives:

- a. Utilize Shanahan Field and North Point Preserve facilities to enhance-create-expand passive recreation opportunities in the Township.*
- b. Consider with the Little Traverse Conservancy additional opportunities at North Point Nature Preserve to advance natural resource protection objectives including additional invasive species eradication, passive recreation opportunities, and historical and environmental interpretation and education.*
- c. Consider broader input from citizens regarding passive recreation opportunities lacking in existing park facilities, to incorporate into upgrades or design of park amenities*
- d. Encourage and work with NGO's in the area such as the Boy and Girl Scouts, Rotary, Kiwanis, and Elks Clubs, Little Traverse Conservancy, and Charlevoix Historical Society among others, to promote their recreation and education related programs which might utilize township park resources*
- e. Consider passive recreation amenity placement such as community garden plots, outdoor game tables, horse shoes, bocce ball, and other social lawn games, as well as outdoor classroom and music venues or settings*



RECREATIONAL CAPITAL IMPROVEMENTS SCHEDULE 2012-2016

The **DRAFT** Goals and Objectives were considered by the Parks and Recreation Committee and Township Board Members based on input given at a public input meeting on November 28, 2011 and at previous meetings. The potential projects were prioritized on a scale of 1 to 5, "1" given highest priority and "5" given medium to low priority. The following table organizes the specific projects over the next five years by date, estimated cost and funding sources. The fiscal year (FY) for the Township runs from July to July. For the purposes of this general action plan, projects identified for a given year are also assigned a targeted calendar year quarter or quarters to conduct the anticipated activity during the appropriate time of year. Budget allocations indicated would need to be considered for the appropriate Capital Improvements Budget cycle.

Year	Project Name	Priority	Est. Cost	Funding Sources*		
				Twp.	Grant	Source
2011 Q4	Lake to Lake Multiuse Trail (Apply with City for 2011 MDOT TE grant funds)	Authoriz- ed by Board				
Q4	Lakeside Drive Road End Topo Survey; <i>Goal 3a&b</i>	2	\$2500	Parks		
Q4	Shanahan Improvements (Phase 1 – Ballfield) - Topo Survey, Design Engineering	Authoriz- ed by Board	\$11K	Parks		
2012 Q1- Q3	Shanahan Improvements (Phase 1 – Ballfield Engineering and bidding, construction) <i>Goal 2f</i>	1	\$150,000 TBD; PE/CE (10%)	Parks / General fund by resolution		
Q1	Shanahan Improvements (Phase 2 – MNRTF or Passport to Recreation Grant application <i>Goal 1a-e, and 1b-o</i>	1	\$1500 grant app. (not 2012 expenditure)	26 – 35% Match percentage; CIP FY'13	\$65-74% Grant percentage	MNR Trust Fund/ PPR
Q3 & Q4	North Point Preserve – Site Evaluation / Planning / DRAFT management plan <i>Goal 2a-f.</i>	2	\$5-6K est.	Parks		Write CM grant
Q3	Lakeside Drive road end and public use feasibility analysis <i>Goal 3c-f</i>	3	\$4-5K est. TBD	Parks		

Funding Sources*						
Year	Project Name	Priority	Est. Cost	Twp.	Grant	Source
2013 Q2	Shanahan Improvements (Phase 2 – MNRTF or Passport to Rec. Funds) Design Eng.	1	\$50K (once under agreement)	Twp match per grant	MDNR match per grant	MDNR Grant funds
Q TBD	Lake to Lake Multiuse Trail (Apply with City for 2011 MDOT TE grant funds)	Authoriz- ed by Twp Board	\$331,000	\$43K (10% match plus other costs.)	\$43K City of Charl. (10% match add costs)	MDOT 80% funding
Q3- Q4	Shanahan Improvements (Phase 2 – MNRTF or Passport to Rec. Funds) Construction <i>Goal 1a-e, and 1b-o</i>	1	\$250,000 \$50K PE/CE (begin outlay	\$78,000 (matching grant amount)	\$222,000	Other matchin grants
Q2 – Q3	North Point Preserve – Site/trail improvements <i>Goal 2 - implementation</i>	2	\$10-12k	\$10-12K Park from CIP	TBD	CM grant
Q1	Lakeside Drive road end (DNR WW Prelim Engineering and/or Coastal Management funds applications); <i>Goal 3a-b</i>	2	\$20K (for Prelim Engineering)	\$10K Park from CIP	\$10K 50% grant match	DNR WW / CM
Q1	Bike lane planning – Coordinate with City <i>Goal 4a-b</i>	3	3-45 K	3-5 K Park from CIP		MDOT SRTS

2014 Q1	Shanahan Improvements (Phase 2 – MNRTF or Passport to Rec. Funds) Construction continuation from 2013 as needed; <i>Goal 1a-e, and 1b-o</i>	1	TBD	TBD	TBD	
Q2 – Q3	North Point Preserve – Invasive Species, native plant restoration <i>Goal 2 - implementation</i>	2	\$10-12k	\$10-12K		MDEQ or LWCF small grants
Q1	Lakeside Drive Road End (DNR WW and/or GLFTF) Final Engineering / Bidding <i>Goal 3f and g.</i>	2	\$60-80K TBD (Prelim. Estimate)	TBD (determine if grant pays for PE/CE).	TBD	DNR WW / GLFT Fund
Q1	Bike lane planning – <i>Implementation - Goal 4b improvements with Shanahan Field improvements</i>	3	20K	20K		

Funding Sources*						
Year	Project Name	Priority	Est. Cost	Twp.	Grant	Source
2015 Q2- Q3	Lakeside Drive road end DNR WW and/or GLFTF funds applications); <i>Goal 3.</i>	2	TBD	TBD	TBD	DNR WW / GLFT Fund
Q1	Bike lane planning – Implementation- Goal 4c	3	TBD	TBD	TBD	CCRC
Q2 – Q3	North Point Preserve – Invasive Species, native plant restoration, Trail maintenance <i>Goal 2 - implementation</i>	2	\$10-12k	\$10-12K	TBD	MDEQ or LWCF small grants
Q4	Consider land acquisition grant application for potential properties to the north and west – pursuant to <i>Goal 1q & r</i>	TBD (may consider earlier)	TBD	TBD	TBD	Apply to MNRF April 1, 2016

2016 Q1		3	TBD	TBD	TBD	MDOT SRTS
Q2 – Q3	North Point Preserve – Invasive Species, native plant restoration, Trail maintenance <i>Goal 2 - implementation</i>	2	\$10-12k	\$10-12K	TBD	MDEQ or LWCF small grants
Q2- Q4	Pursue efforts to address <i>Goals 5 and 6</i>	2	\$5-7K	\$5-7K		

***Notes:**

1. Estimated Cost column abbreviations:

TBD – to be determined (not able to estimate or determine accurate costs at this time).

CIP – Capitol Improvements Budgeting (normally occurs in spring of the previous fiscal year).

2.*Potential Funding Sources Acronyms:

Michigan Department of Natural Resources (MDNR)

Michigan Department of Environmental Quality – (MDEQ)

Michigan Department of Transportation – (MDOT)

Michigan Natural Resource Trust Fund (MNRTF) – MDNR

Passport to Recreation (PPR) – MDNR

Land and Water Conservation Fund (LWCF) – MDNR

Waterways Boating Access Grants (WWBA) – MDNR

Coastal Management (CM) – MDEQ

Transportation Enhancement (TE) – MDOT

Safe Routes to School (SRTS) - MDOT

Great Lakes Fisheries Trust Fund (GLFTF);

Charlevoix County Road Commission (CCRC)

Charlevoix Township Parks and General Funds respectively – (Parks, General)

DESCRIPTION OF PROPOSED IMPROVEMENTS PROGRAM

Shanahan Field Improvements

Renovation of the aging ballfield is a top priority with removal of all structures to make room for a new layout and support buildings and amenities such as UA bleachers and dugouts. Consideration to develop a Pony Little League field (13-14 year olds) that would also serve as a general ballfield for public use. New fencing and backstop, skinned and grass infield, warning track, electronic scoreboard and irrigation are possible design components. In addition a new scorer's / storage building immediately behind the backstop is needed as well as new dugout structures and public bleachers.

Overall improvements would include the redevelopment of parking areas for more efficient parking to include handicap accessibility and parking, safe internal crosswalks, sustainable storm water management, and repurpose underutilized green space particularly in the BMX track area.

Improvements also would include development of a pedestrian walkway that would circumnavigate the property and connect to a more formal trail head for the LTW near the township hall . The walkway would provide a .6 mile paved loop with 5 to 6 fitness stations along the route.

Additional site features will include: upgrade of the existing picnic pavilion for picnicking and child play areas with new ADA playground equipment and surfacing; landscaping and landform grading to buffer the road and create inviting people spaces; handicap accessible sidewalks connecting to safe crossing points at the driveways.

Consider development of a splash pad / seasonal ice skating rink at the park to expand multi-season use activities. Conduct a feasibility study and seek additional public input. Develop a concept plan to program the space, facilities, and amenities needed to implement the project. One area under consideration is the old BMX Trail area on the west side of the property.

Site Amenities to include: consideration of LED and/or solar lighting, new BBQ grills, new picnic and game tables, benches along with impromptu seating, waste receptacles, and adequate and proper signage including interpretive signs.

All site improvements will be developed with sustainable site development practice and specifications in mind as well as low impact development (LID) stormwater management techniques where applicable. LEED, Leadership in Energy and Environmental Design, standards will be applied to all site building considerations.

(See Appendix A3 - Shanahan Field Conceptual Site Plan).

North Point Preserve

To facilitate the optimum passive and active recreational potential of the North Point Nature Preserve, the following improvements are targeted as funding becomes made available:

Evaluate and renovate (including abandonment of redundant or underused links) the system of nature trail loops accessible from Mt McSauba and the Trailhead. Encourage active recreation such

as hiking, cross-country skiing, and swimming, and passive pursuits like wildlife and scenic viewing orienteering and/or geo-caching in appropriate areas as determined.

Maintain the overlook observation platform, trail wayfinding maps and benches to facilitate appropriate public access and observation of the extensive natural acreage and Lake Michigan shoreline.

Maintain the existing trailhead parking areas for a reasonable number of vehicles without affecting the natural and scenic character of the preserve or overtaking the local road and neighborhoods. Add non-motorized amenities such as bike racks and trail and wayfinding signage where determined.

Improve and restore important wildlife corridors and habitats to maximize the health and diversity of native ecosystem “niches” onsite and available for public recreation and education. Specifically, establish, improve and restore the native coastal wetlands, steep slopes (erosion), unique habitat and identified endangered species areas.

Interpret the historic heritage of the land in partnership with the Little Traverse Conservancy (LTC) and other organizations by implementing appropriate best management practices within the framework of a developed Management Plan in areas compatible with the preservation of the properties natural features.

Develop and maintain bicycle parking areas that can accommodate bicycles with signage encouraging exploration of the foot trails, natural areas and habitat and beach access.

Install and maintain a drinking fountain/water source and low-impact restroom facility near the trail head(s) after needs assessment, operation and maintenance tasks and responsibilities of the such resources have been fully discussed and evaluated for recommendations by the respective community recreation committees.

(See Appendix A4 - City of Charlevoix Recreation Plan pp.44 and North Point Site plan).

On-road Trail Connectors

Overall improvements would include design and construction of on road bike lanes and signage from the existing Shanahan Field connecting to North Point Preserve. The trail links additions would require access easements through private land and a safe crossing zones and signage at Road intersections.

Develop a Wayfinding System for Recreation Facilities

Prepare a plan to improve the overall recreation experience in Charlevoix Township with an improved wayfinding and facility signage system.



Appendices

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Land Use Land Cover	
Generalized Zoning	
Property Parcels	
Water and Sewer Service Areas	
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