

Yuba Creek Natural Area Management Plan

Adopted: November 12, 2002

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Introduction

The Yuba Creek Natural Area is located in Sections 13 and 24 (T28N, R10W), in northern Acme Township. The property is bound by U.S. 31 North to the northwest, Yuba Road to the north, and Bennett Road to the southeast, and encompasses a total of 413 acres. The dominant natural feature of the property is the approximately 5000 linear feet of Yuba Creek that flows through the middle of the Natural Area and the associated riparian wetlands. The remainder of the Natural Area is primarily a mix of shrub-dominated wetlands, upland hardwood forest and abandoned orchard.

Acquisition History

The Yuba Creek Natural Area was identified as a prime site for acquisition by the Grand Traverse Regional Land Conservancy (GTRLC). The property was listed for sale in 1999, including the 413 acre parcel and a 45 acre farm at the southeast corner of the property. On March 14, 2000, GTRLC secured an option on the entire property. Shortly thereafter Acme Township, with the assistance of GTRLC, submitted an application to the Michigan Department of Natural Resources Trust Fund (MNRTF) requesting funding to purchase the 413 acre parcel as a natural area for Acme Township. GTRLC maintained their option on the remaining 45 acres of the property, and re-sold the farm, restricted with a conservation easement, in December of 2001. The MNRTF approved the grant of \$1,576,021.00 for the purchase of the Yuba Creek Natural Area in August, 2000. On December 20, 2002, Acme Township successfully closed on the property, and ownership has been transferred accordingly. A copy of the MNRTF application may be found in Appendix A of this document.

Legal Description

Part of Sections 13 and 24, T28N R10W; beginning at the South $\frac{1}{4}$ corner of Section 24; thence North 00°17'07" West, 2715.22'; thence North 00°16'09" West, 48.84'; thence South 89°28'43" West, 330'; thence North 00°16'09" West, 2356.69' to the centerline of US 31; thence along the centerline 304.13', along the arc of a 1919.37' radius curve to the left, the chord of which bears North 37°58'49" East, 303.81'; thence leaving the centerline, South 54°10'58" East, 1004.25'; thence North 29°46'25" East, 479.93'; thence North 54°10'58" West, 1010.25' to the centerline of US 31; thence along the centerline North 28°03'01" East, 906.83'; thence 335.40' along the arc of a 716.20' radius curve to the right, the chord of which bears North 41°27'59" East, 332.34'; thence N 54°52'56" East, 121.12'; thence 299.94' along the arc of a 1909.86' radius curve to the left, the chord of which bears North 50°23'00" East, 299.63'; thence North 45°53'03" East, 66.87'; thence 200' along the arc of a 1909.86' radius curve to the right, the chord of which bears North 48°53'03" East, 199.91'; thence North 51°53'03" East, 433.80'; thence 102.71' along the arc of a 3437.75' radius curve to the left, the chord of which bears North 51°01'42" East, 102.71'; thence leaving said centerline South 45°21'14" East, 347.99'; thence North 49°51'26" East, 14.96' to the centerline of Yuba Road; thence along said centerline South 42°17'49" East, 399.48'; thence 541.80'; thence along the arc of a 687.72' radius curve to the right, the chord of which bears South 19°43'39" East, 527.90'; thence South 02°50'32" West, 121.27'; thence South 327.09' along the arc of a 438.17' radius curve to the left, the chord of which bears South 18°32'37" East, 319.55'; thence South 39°55'45" East, 48.23'; thence South 01°31'28" East, 970.02' to the Southeast corner of Section 13; thence South 02°08'30" West, 2698.18'; thence South 00°30'55" West, 826.85'; thence North 88°58'06" West, 1016'; thence South 00°30'55" West, 1929.41'; thence North 88°58'06" West, 1692.64' to the Point of Beginning.

Property Tax I.D.

28-01-224-001-02

Natural Features

The Yuba Creek Natural Area is part of a larger watershed that ultimately drains into the East Arm of the Grand Traverse Bay. The sheer size of the Natural Area protects over a mile of Yuba Creek from intrusion by development. Protection of this sub basin of the Yuba Creek watershed will allow for the natural processes and the interplay of biodiversity to continue mostly undisturbed. This biodiversity

brings with it many recreational opportunities, including habitat and wildlife viewing, hiking, hunting and fishing.

Protection of the riparian corridor and wetlands surrounding the Creek will enhance the habitat for an array of mammals, birds and aquatic life. Yuba Creek itself is a designated trout stream, but has fallen victim to degradation and loss of aquatic habitat. This loss, according to the Michigan Department of Natural Resources, is due to lack of shade, sedimentation and nutrient loading that has accompanied development along Yuba Creek. The protection of over 5,000 feet of the Creek and surrounding wetlands should reduce the rate of further degradation, but enhancement of the aquatic habitat will require active restoration and cooperation with other property owners along the Creek corridor. The upland areas host all sorts of other wildlife, such as white tail deer and ruffed grouse. The relationship of this property to the Petobego State Game Area and East Grand Traverse Bay ensures it will see large numbers of ducks and geese, and the wetland areas provide habitat for songbirds, otter and mink. Other areas of the site provide habitat for raptors, including bald eagles, red tailed hawk, rough-legged hawk, coopers hawk, kestrel and merlin. This diversity of wildlife is what attracts many to the Yuba Creek corridor, and protection of their habitat should be of utmost concern as several species that find homes here are listed on the State's threatened or endangered species lists.

In proximity to a state recognized significant natural area (by the Michigan Natural Features Inventory), the Petobego Pond and Marsh, Yuba Creek will play a much larger role in the protection and enhancement of wildlife habitat in the Grand Traverse region. The entire Marsh and a portion of the Pond are owned by the State of Michigan as part of the Petobego State Game Area. Therefore, the Yuba Creek Natural Area property's significance extends well beyond its boundaries.

Man-made improvements on the property include a brine-pit storage facility and storage building located at the northern end of the property and the remnants of barbed-wire fencing throughout the entire property.

Resource and Habitat Protection and Restoration Strategies

Wetland Protection Area

All of the areas identified on the Management Areas Identification Map (on page 13 of this document) as wetland soils or open water will be considered part of the Wetland Protection Area. These wetland areas include all of the emergent marsh, northern shrub thicket, and cedar swamp, and may include portions of the meadow surrounding these areas.

Goal: Protect the high quality wetland resources of the Natural Area. Sensitive areas of the Natural Area damaged by overuse, or inappropriate use, may need to be closed to the public for protection and rehabilitation.

Objective: Provide for limited public access to these areas. There will be no developed access to the Wetland Protection Area. Given the thick brush and wet conditions, use of this area will likely be limited to hunters, birders, and possibly some winter recreation such as snowshoeing and cross-country skiing.

Objective: Restoration of degraded habitats within the Wetland Protection Area may be initiated to reduce or eradicate invasive exotic species such as reed canary grass and autumn olive. Planting of native species and some control methods (manual or chemical removal or prescribed burns) is likely to be necessary to establish an overstory to effectively shade out the exotic species.

Uplands West of the Creek

Upland areas of the site are found on either side of Yuba Creek. A large upland area is found to the east of the Creek, and another to the west of the Creek, where parking areas and the wildlife viewing area are planned. The habitat located between U.S. 31 and the Yuba Creek valley is predominantly old field/orchard. It is predominantly open and covered with grasses and herbs with scattered shrubs and small trees. Herbs present include goldenrod, spotted knapweed, common milkweed and thistle. Dominant shrubs are ground juniper, Russian-olive and tartarian honeysuckle. Small wooded areas containing aspen, sugar maple, white pine, and ground juniper are found throughout this area. Other trees present include oak, northern cedar, and balsam fir.

Goal: Provide significant areas of high quality upland wildlife habitat to complement the high quality wetlands of the Yuba Creek Natural Area.

Objective: Maintain natural grass lands using advice from biologists and forestry experts. Consult with the Grand Traverse Conservation District and other resources to test the soil and identify a suitable mixture of grasses for wildlife cover.

Objective: Allow the fallow agricultural fields adjacent to US 31 North to reforest.

- Conduct a plant inventory using local resources and experts to develop management parameters for the upland areas. Planting priority should be given to native species.
- Identify and remove highly invasive species such as autumn olive, which might out-compete native species present in these areas.
- Plant a variety of native trees and shrubs so as to create a gradual reforestation along the highway. A clear strip of approximately 75 feet should be maintained to ensure motorists' visibility of wildlife attempting to cross the road. Plant

shrubs beyond the 75 foot strip, with a graduation of plantings to trees working toward the property's interior.

Uplands East of the Creek

Upland areas east of Yuba Creek contain an abandoned apple orchard that is being colonized by a mix of herbaceous weeds, grasses, eastern red-cedar, autumn olive, and in wetter areas, dogwood and northern white-cedar. The uplands east of the Creek should be maintained in its current state, as it currently provides a variety of habitats for birds and other wildlife.

Goal: Maintain the existing diverse habitat to compliment the wetlands adjacent to Yuba Creek.

Objective: Allow for natural succession in the former apple orchard. Invasive exotic species may be removed if deemed necessary.

Objective: Maintain the field along the eastern property line. Mowing or burning should be conducted after August 1. Maintenance during this time ensures that young birds have developed sufficiently to escape the maintenance practice. Maintenance during this time also ensures that the vegetation will be at an acceptable height for ground nesting birds at the beginning of the spring nesting season.

Forested Areas

Recommendations from the Grand Traverse County Forester will be incorporated into this plan and should be closely followed to ensure the longevity and health of the property's existing trees.

Protection of Eagle's Nest

As the bald eagle is listed among the Federal Government's list of threatened species, it is imperative that this feature be closely guarded and protected against outside influences. Eagles are particularly susceptible to human disturbance and can be easily disrupted by nearby activity and noise. Their nesting locations, centrally located amongst the deepest wetland area, indicate their desire to be left alone. For this reason, seasonal information and signage shall be provided throughout the site to alert users to the presence of a nearby eagle's nest. Eagles experience four periods of nesting area sensitivity: 1) The Most Critical Period occurs when the eagles are courting, and are very intolerant of external disturbances. This period may begin as early as one month prior to egg laying; 2) The Moderately Critical Period begins approximately one month prior to the Most Critical Period and continues through four weeks after hatching. During this period, the adult eagles frequently brood and feed their chicks, making this period important for the security of future eagle generations; 3) The Low Critical Period begins when chicks are approximately one month in age and can extend for six weeks after fledging. Adults are more tolerant of external disturbance at this time, but can still be very sensitive, and; 4) The Not Critical Period contains all time not covered under the previously discussed periods. This is the eagle's "off-time" from the nest, where they may or may not be present at the site for disturbance. The highest concern during this time is the disruption of the eagle habitat, as once an eagle nests, they will likely return. In general, the Management Guidelines for Breeding Areas contained in Appendix B shall be followed.

Goal: Maintain a 600 foot buffer from existing nests during the Most Critical, Moderately Critical and Low Critical Periods of sensitivity.

Objective: Seek assistance from local Audubon Societies and the U.S. Fish and Wildlife Service to determine the commencement of each period for a given year. This buffer period may be extended into the Not Critical Period if it is determined that the presence of easily disturbed eagles exists.

Objective: Develop a signage system marking the 600 foot buffer. In cases where the 600 foot boundary falls near a natural demarcation line, such as a stand of trees, that natural boundary should be marked instead. Such signs should be brightly colored to attract attention and should be installed on temporary posts so they can be moved in case the eagle builds a nest in another location.

Goal: As much as possible, high density development should be limited at the perimeter of the property.

Objective: Encourage a slow rate of development around the perimeter of the Natural Area so as to preserve a buffer around the property.

Objective: Restrict construction times to the Low Critical or Not Critical Periods of sensitivity as much as possible.

Goal: Provide signage and notices alerting natural area users to the presence of the eagle habitat and its sensitivity to human contact.

Objective: Provide an informational sign at all access points to educate natural area users to the mating and roosting patterns of the eagle and/or other threatened and endangered species within the natural area. Signage should explain the importance of maintaining a quiet area around nesting areas and habitat.

Water Quality Testing Program

The improvement of Acme Township's ecosystem, including its creeks and wetlands, is a primary goal listed in the Acme Township Master Plan. The Master Plan also calls for water quality monitoring as part of an initiative to develop a set of indicators depicting the state of the Township's natural resources. Protection of Yuba Creek is of paramount importance to the implementation of these goals. Part of that protection includes the need for baseline data regarding the Creek's condition. Water quality data is most important, as it usually provides the first indication of degradation of the Creek itself. It is the township's view that baseline water quality data for the creek and wetlands should be established and a systematic water quality monitoring program should be implemented to ensure degradation of these aquatic resources does not occur.

Goal: Preserve the water quality of Yuba Creek through vigilant monitoring of water quality to protect against illegal discharges into the Yuba Creek and the Natural Area.

Objective: Continue with the current water quality testing program, where seven points on Yuba Creek are tested monthly on the water temperature, dissolved oxygen, conductivity, pH, and total dissolved solids. Continued water quality testing will provide for baseline documentation of the water quality of the swamp, and a point of reference for detecting elevated levels of pollutants.

Objective: Consider expanding the existing water quality testing program to include tests of water flow and nutrient loading. Such additional testing should be conducted on a yearly basis, or if the above tests reveal abnormal readings. Continue to work with the project consultant on periodic analysis of test results.

Objective: Restore the water quality of Yuba Creek to the greatest extent possible. Over time, development activities and other naturally occurring changes to the Creek have degraded the quality of the water so that the trout habitat is significantly diminished. Acme Township should work with the Michigan Department of Environmental Quality (Fisheries

and/or Surface Water Quality Divisions), Ducks Unlimited and Trout Unlimited organizations to determine a plan for the Creek's restoration. Developmental regulations should accompany any restoration project, so as to adequately distance the built environment from the Creek. When possible, point sources of nutrient and sediment loading shall be required to remediate their property and help in the restoration of the Creek and water quality.

Bluebird Boxes / Kestrel Boxes

As an attraction of area residents, bird watching and wildlife viewing are among the uses suggested for the Yuba Creek Natural Area. Efforts to enhance the habitat for birds shall be taken so as to preserve this attraction, and to allow them a refuge from the continually growing region.

Goal: Bluebird boxes should be installed along the meadow edge within the Yuba Creek Valley. Installation of Kestrel boxes within the wet areas should also be considered. The topography and vegetation may prevent the installation of Kestrel boxes throughout the entire property. Nevertheless, an attempt should be made to install them where accessible and appropriate.

Objective: Seek assistance from local Audubon Societies and the U.S. Fish and Wildlife Service to determine where and how many boxes should be installed. Care should be taken in the placement of boxes so as to discourage Natural Area users from approaching an eagle nesting area.

Objective: Work with local organizations, such as the Acme Civic Association or Boy Scouts to provide funding and assistance for the purchase of materials and construction and yearly maintenance of the boxes.

Hunting Access and Seasons

The Yuba Creek Natural Area provides a diversity of high quality hunting experiences. The purpose of this Plan is to maintain these opportunities while limiting the impacts on non-game wildlife and their habitats.

Goal: Provide the general public with high-quality hunting experiences while encouraging responsibility and stewardship in those using the property. Regulations should be minimal, while encouraging responsible hunting practices through suggestions and educational information at access points.

Objective: To the extent possible, the rules established by the State of Michigan for hunting shall be observed. These rules shall be evaluated occasionally, especially if problems occur due to over use of the property.

Objective: Allow hunting during legal seasons as determined by the State of Michigan. Special consideration for the eagles shall be given during their Most Critical, Moderately Critical and Low Critical Periods of sensitivity as described in the "Protection of Eagle's Nest" section of this plan.

Objective: Encourage responsible hunting practices through suggestive signage at access points. Baiting of deer is prohibited, and shall be noted on the signage at the Natural Area access points. Educational information shall be included explaining the risks associated with baiting (i.e. spread of disease) and overuse of the property (i.e. reduced deer population).

Objective: Pre-season training of dogs shall be prohibited. Specific exceptions to this restriction may be granted by the Acme Township Board of Trustees for situations when use of dogs is necessary for wildlife counts or other stewardship practices. Use of hunting dogs

shall be allowed during all legal hunting seasons. If it is found that the use of dogs poses a threat to important wildlife or the property itself, or if excessive trespass onto neighboring private property occurs, this regulation shall be re-evaluated and possibly amended.

Objective: Trapping within the property is allowed, however, not encouraged unless the animal poses a threat to the property. In such cases, the Michigan Trappers Association, or other free trapping service should be used to safely remove harmful animals from the site.

Objective: Use of firearms shall be permitted during legal hunting seasons (as determined by the State of Michigan). Target shooting or use of firearms shall be prohibited during all other times of the year.

Additional Land Preservation

Given the unique quality of Yuba Creek and its surrounding wetlands, further protection of additional undeveloped land around the Creek is critical to the protection of the Creek and of the Yuba Creek Natural Area. Appendix C includes a list of the parcels that are the highest priority for the protection of the watershed. Whether or not the township has any future interest in adding land to the Natural Area, these parcels should be included in the Acme Township Recreation Plan as priorities for long-term protection. Inclusion in the Recreation Plan makes grant funds available to the township, county and state governments for the perpetual protection of these parcels through acquisition, and in some cases, through the purchase of conservation easements. Whenever possible, acquisition of conservation easements on adjacent property shall be sought to reduce protection costs and public impact on the Creek corridor.

Education and Public Outreach

As publicly owned property, the Yuba Creek Natural Area should be used in a way that best utilizes its resources, but still maintains the quality currently found.

Goal: Encourage education through continuing walking tours and educational visits to the site.

Objective: Coordinate with the local conservation groups, such as the Audubon Society and the Grand Traverse Regional Land Conservancy, to develop a schedule for educational walks.

Objective: Extend open invitations to local schools to visit the site for educational purposes. These activities shall be limited to non-critical times as they pertain to protection of wildlife and its habitat.

Goal: Educate the public through newsletters and other publications about the importance of habitat protection and restoration. A well informed public is less likely to abuse the resources than those less educated.

Park Improvement Strategies

Entrances and Parking Areas

In order to provide adequate access to the property, two formal access points shall be developed where limited parking, signage and other improvements will be provided.

Goal: Provide two parking areas to offer access to both the upper and lower elevations of the site.

Objective: A primary entrance shall be provided along U.S. 31 North. This entrance would provide access to the primary parking area and wildlife viewing areas, as this area of the site

is the highest in elevation and will yield the best opportunity for viewing the entire site. Driveway placement shall be located in the safest location, and shall be determined through input from the Michigan Department of Transportation. This location is the preferred access point for the public. They are encouraged to view the property and enjoy the environment, while maintaining some distance from the wildlife habitat and critical natural resources within the lower elevation areas of the site. The parking area shall be adequately set back from the road so as to allow for vegetative screening (see “Uplands West of the Creek”), while maintaining a distance from the ridgeline and viewing area. This will require visitors to park their vehicles and walk to the viewing area, thus discouraging the use of vehicles to explore the property.

Objective: A second entrance should be developed off of Yuba Road at the north end of the property. This entrance would provide access to the proposed walking trails and hunting areas. A small parking area shall be provided, with care to ensure that vehicles can not be driven into the property beyond the parking boundaries.

Objective: Secure these parking areas so as to prevent the use of unauthorized vehicles, as their use may risk the integrity of the resource protection efforts by foraying into wetland or other critical habitat areas.

Signs and Boundary Marking

The entire Yuba Creek Natural Area was surveyed during the MNRTF application process. Existing farm fences were found throughout the site, marking past property or grazing area boundaries. These fences do not follow the property boundary per se, and the possibility of trespass onto neighboring private lands necessitates the need for boundary signage and possibly perimeter fencing.

Goal: The boundaries of the entire Natural Area should be clearly marked at all corners and intermittently along every boundary line with boundary signs or other markers. This should help prevent trespass by identifying the public area boundaries.

Objective: Repair of existing farm fences may be needed to prevent trespass onto private properties. Existing farm fencing throughout the property may remain, unless it is found that it poses some health or safety risk to the public. In addition, if snowmobile and/or off-road vehicle use becomes a problem, the Township may explore the possibility of erecting a fence around the perimeter (or portions thereof) of the property, that does not impede wildlife movement on or across the property. Full fencing of the perimeter is not suggested, as it will create a barrier to the wildlife using the Creek corridor.

Goal: Entrance signs, including an MNRTF Plaque, should be displayed at each Natural Area parking area. Signage should include park rules, especially those that differ from the Township Parks Rules and Regulations Ordinance.

Objective: A sign or other means of recognizing significant donors of money toward the purchase of the property shall be erected at the primary entrance at U.S. 31 North, near the scenic overlook planned on the western ridge of the Yuba Creek Valley.

Goal: Informational signage or kiosks should be erected stating the rules and other pertinent information about the Natural Area.

Objective: Provide special educational signage throughout the year to inform users about certain breeding cycles and mating habits that should be respected, and what areas of the property should be avoided altogether.

Objective: Notices of hunting seasons and regulations shall be posted for the benefit of all natural area users. Signage shall notify users of the fact that the YCNA is a multi-use property with hikers, wildlife viewers, hunters frequenting the property. All users will be encouraged to wear blaze orange during hunting seasons for visibility and safety reasons.

Existing Improvements

Few existing improvements are found within the Natural Area. Historic use of the property included a homesite, which has been excluded from the Natural Area and sold separately, various fencing and a storage facility with fruit storage pits located on the northern end of the property. The existing fencing is currently being removed for safety purposes, and to encourage better wildlife mobility throughout the site.

Goal: Encourage limited use of the property in keeping with the quiet, undisturbed character of the Natural Area.

Objective: The existing storage facility and surrounding area at the northern end of the property shall be used as deemed appropriate by the Township Board of Trustees. The existing storage pits should be removed and excavated to a more subtle grade to eliminate any safety hazards. The existing storage building may be used as an interpretive or educational center in concert with the stewardship principles that are encouraged throughout this Plan.

Trails

As stated in the grant application to the Michigan Department of Natural Resources Trust Fund, a trail will be provided within the property.

Goal: One trail will be maintained on the west side of Yuba Creek, through the relatively flat meadow land adjacent to Yuba Creek.

Objective: This trail shall be located through the center of the meadow so as to maintain a distance from bird and wildlife habitat often found in the shrubs and vegetation on the hillside and near Yuba Creek. It shall be mowed only, until such time as the Township Board of Trustees deems additional maintenance necessary. Frequency of mowing shall be dependant upon weather and soil productivity.

Objective: Wheeled vehicles, both motorized and non-motorized, with the exception of authorized maintenance equipment, shall be prohibited within the Natural Area. Wheelchair use shall be allowed; however, no ramps or paved trails will be provided at this time. It is anticipated that all handicap use of the Yuba Creek Natural Area will be primarily from the entrance off of US 31 North on the west side of the creek, where they can view the entire property from one vantage point.

Natural Area Viewing Area

The upland area west of Yuba Creek provides the highest ground of the entire property, lending itself nicely to an overlook improvement. From the west side, one can view the entire Natural Area, including the 5,000+ feet of Yuba Creek and the eagle's nests.

Goal: Provide a viewing area at the west side of Yuba Creek.

Objective: This viewing area should be sufficiently set back from U.S. 31 North and any parking areas so as to mitigate any road traffic and allow for the best views of the site.

Objective: Cooperate with local community groups, such as the Acme Civic Association or the Concerned Citizens of Acme Township to share resources for the development of an overlook and pathway from the parking areas.

Public Use

Rules for Public Use

Leashed dogs, under the control of their owner, shall be permitted along the walking trails. Unleashed dogs and those in areas other than the walking trails shall be prohibited, except for dogs used in conjunction with legal hunting practices, during legal hunting seasons, and in compliance with the Grand Traverse County Leash Law.

Hunting Regulations

Hunting Regulations at the Yuba Creek Natural Area shall generally follow those set forth by the State of Michigan Department of Natural Resources for State land, with the following specific restrictions:

- Baiting shall be prohibited.
- Construction of permanent blinds or other structures is prohibited.
- Cutting or removal of live vegetation in the Natural Area is prohibited.

Conclusion

This plan is meant to serve as starting point for the management of the Yuba Creek Natural Area. For the next few years, the guidelines set forth in this plan should be reviewed periodically and modified as necessary to produce a more thorough and appropriate document to govern Acme Township's management of the Property. Once the plan has been adjusted accordingly, periodic reviews every 3-5 years should be sufficient. Although this plan is meant to be as exhaustive as possible, it must be recognized that not all management situations that may arise can be anticipated. In adopting this plan, Acme Township reserves the right to deviate from the plan, when necessary, to accommodate any extenuating circumstances that are not adequately covered by the plan.

Management Areas Identification Map

Appendix A

Michigan Natural Resources MNRTF Grant Application For the Yuba Creek Natural Area

Appendix B

Management Guidelines for Breeding Areas

Appendix C

List of Priority Conservation Parcels

Parcels North of the Natural Area:

2801-009-009-00	86.33	CAP Farms, Inc.
2801-009-013-00	74.00	Peter Morrison
2801-009-014-00	6.78	Timothy & Margaret Bruen
2801-009-017-00	1.00	Daniel & Linda Morrison
2801-009-018-00	8.50	Rose Mary Cook
2801-213-009-00	5.55	Eugene and Shirley Lewis
2801-213-019-00	16.30	Steven Davis

Parcels South of the Natural Area:

2801-224-028-00	40.00	John & Georgia Pulcipher
2801-225-001-00	25.00	Helen Maitland
2801-225-002-00	15.00	Frank Miller/Herbert Miller
2801-225-003-00	40.00	Robert & Harriet Batson/James Batson
2801-225-004-00	40.00	Sal Sabrocca
2801-225-007-00	40.00	John Pulcipher
2801-225-009-00	80.00	Cherries R Da Berries II, LLC (eastern ½)
2801-225-010-00	40.00	Kurt & Edith Ziebart (eastern ½)
2801-225-011-00	40.00	Robert & Kathleen Garvey (eastern ½)
2801-225-012-01	67.50	Cherries R Us, Inc. (eastern ¼)
2801-225-016-00	9.00	John & Mary Kennedy
2801-225-017-00	0.63	Charles & Elizabeth Starks
2801-236-001-00	68.00	Walter Wistrand
2801-236-002-01	64.00	Janice Marnett
2801-236-011-00	40.00	KSL Grand Traverse Land, LLC
2801-236-012-01	107.30	Traverse Bay RV Park (northern ¼)
2801-236-016-00	9.17	Alfred Sievers
2801-236-018-00	26.00	Alfred Sievers