



Monroe County Shared Use Trails Pilot Program Final Report

Rochester, New York

Prepared for:
Monroe County Parks Department

171 Reservoir Avenue
Rochester, NY 14620
P. 585.753.7275

Prepared by:
Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services D.P.C. (EDR)

274 North Goodman Street
Rochester, New York 14607
P. 585.271.0040 F. 585.271.0042



June 2014

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INTRODUCTION

Monroe County Shared Use Trails Pilot Program



A. BACKGROUND AND PURPOSE

The Monroe County Department of Parks contracted with Environmental Design and Research (EDR) in 2008 to update the 1985 Ellison Park Comprehensive Master Plan. The purpose of the Ellison Park Area Master Plan Update was to identify the most appropriate uses for Monroe County's Bay Area Parks in order to meet current and future recreational needs. The planning process for the Ellison Park Area Master Plan Updates was based on the foundation laid by other planning studies and initiatives, and also utilized the knowledge of local residents, who attended public meetings and provided input to the Parks Advisory Committee. The document applied a bio-regional perspective to master planning for over 1,200 acres of Monroe County parkland adjacent to Irondequoit Creek, both in the Lake Ontario watershed. Seven key issues were identified in the Master Plan:

1. Access and community connectivity
2. Active living to address preventable health problems
3. Green infrastructure
4. Waterfront use and access
5. Dog parks
6. Conservation and sustainability
7. Shared use trails.



A key issue in the Ellison Park Area Master Plan Update is shared use trails. Environmental analysis completed during the Master Plan Updates indicated opportunities for a limited application of sustainable shared-use trails within two County parks. Tryon Park and Irondequoit Bay Park West were deemed the most suitable areas to construct sustainable natural surface trails for shared use. Following the completion of the Master Plan Updates in 2009, Monroe County embarked on a two year shared use trails pilot program to monitor the impacts of newly constructed and restored shared-use trails. Construction and restoration of shared use trails concentrates on conserving and enhancing existing natural systems while adding selected new improvements that support passive recreation, environmental education, and stewardship of the site. For the Bay Parks, sustainably constructed shared use trails protect the local watershed. The trails are less prone to erosion, therefore reducing the sediment load travelling to Irondequoit Bay and its tributaries; allowing for the enjoyment and protection of existing natural features.

B. GOALS AND OBJECTIVES OF THE PILOT PROGRAM

Collaboration between Monroe County Parks and Genesee Regional Off-Road Cycling (GROC) resulted in retrofits to existing trails and construction of new sustainable shared-use trails. Monroe County staff were responsible for completing trail conditions evaluation in the field during the two year Pilot Program. The development of goals and

INTRODUCTION

Monroe County Shared Use Trails Pilot Program

objectives for the pilot program helped to provide guidance and direction, facilitated planning, controlled performance, and motivated and inspired trail maintenance and users. The following represents the goals and objectives.

1. User Safety

Trail etiquette was the most important factor in creating a positive experience for all trail users. Educational signage, trail head signage, proper safety equipment, and knowledge of trail etiquette provided the groundwork for user safety.

2. Quality Experience

Quality experience for all users was a high priority for the Shared Use Trail Pilot Program. This quality experience is achieved through user safety, trail design and maintenance, regulation and enforcement, and user involvement.

3. Environmental Conservation

The shared use trails were constructed as sustainable trails. Sustainable trails are defined by the US Forest Service as trails having a tread that will not be easily eroded by water and use, will not affect water quality or the natural ecosystem, meet the needs of the intended users and provide a positive user experience, and that do no harm to the natural environment. Design guidelines dictated that buffer zones be established between trails and adjacent private property, providing screening and habitat. 100' is the preferred minimum.

4. Shared Use Trail Design

Trails were designed to utilize existing landform as natural screening. Creating sustainable trail design was extremely important. Trail damage is most often found when trails are not designed to work with the geologic and environmental conditions. Poorly designed trails will channel/collect flowing water, and cause erosion and damage to surrounding environments. Proper monitoring and maintenance of trail systems is a key to the sustainable trails systems.

5. Community Involvement

Involving the community is an important aspect of successful trail design. Involvement creates active, engaged and sustainable trail stewards and volunteers.

6. Regulation and Enforcement

Regulating the trails and enforcing proper trail use helps prolong the life of the trails.

C. RECOMMENDATIONS

The recommendations section of the Ellison Park Master Plan Updates includes proposals that apply to all of the parks and proposals that are specific to each park. There are eight overall recommendations and they are as follows, invasive species control, park boundaries, sustainable trail practices, inventory of existing trails, trail monitoring program, park maps, utilize internet and web tools, and waterfront paddling destinations.

Recommendations for Tryon Park included access with parking improvements, biking-hiking interface, Tryon Park expansion, new signage system, upgraded road/trail, off-road cycling, ecological enhancements and stream restoration.

Recommendations for Irondequoit Bay Park West included signage improvements, road improvements, existing marina improvements, stormwater management, shared-use bicycle trail, paddler access, new trail connection, new park name, stream bank stabilization, and pedestrian crossing of Empire Boulevard.



INVENTORY AND ANALYSIS

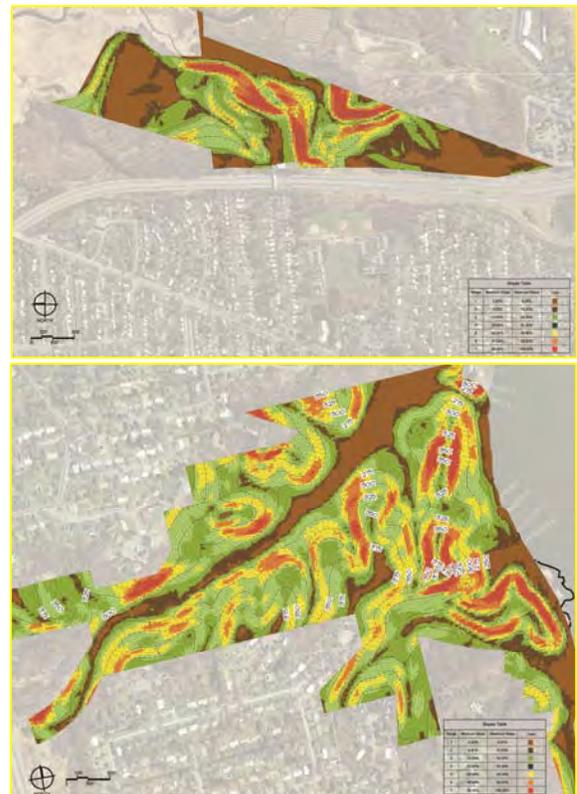
Monroe County Shared Use Trails Pilot Program



A. TRYON PARK

Tryon Park is located on Tryon Park Road east of North Winton Road between Browncroft and Empire Boulevards in the southwestern corner of Irondequoit Bay. The 82-acre park is situated along an east-facing slope amongst steep ridges and valleys. The park is composed primarily of upland forest ecological communities; however the park boundary encompasses a small fringe of wetland community associated with the Ellison Wetlands. Shared-use trails crisscross the park and in some cases, even leave the property. The trails are primarily used for off-road cycling, trail running, and hiking, although the park is also used for cross-country skiing, snowshoeing, paintball, bird watching, and dog walking. Cyclists have developed two areas that contain bicycle jumps and stunts, and small footbridges have been erected over wet areas. Refer to Appendix B for a detailed inventory and analysis study of Tryon Park.

The majority of Tryon Park is hilly with numerous steep slopes and gulleys. The eastern border falls off very steeply, allowing an excellent view of the wetlands below. At the extreme north end, the topography flattens and is wet in places. At the park boundary shared with the Ellison Wetlands, the elevation is approximately 250 feet, and at the highest elevation, the topography reaches 401 feet. The topography in the park has the following slopes: 26.7% of the topography is between 0 and 5%; 17.2% is between 5 and 10%; 20.5% is between 10 and 20%; 15.1% is between 20 and 30%; 8.5% is between 30 and 40%; 5.7% is between 40 and 50%; and the remaining 6.2% of the slopes are between 50 and 100%. The Park is comprised of five soil types: ArC, AtF3, CIB, Pu, and Fw. ArC is Arkport Very Fine Sandy Loam (6% to 12% slopes). AtF3 is classified as Arkport, Dunkirk and Colonie soils at 20-60% slopes and highly erodible. CIB is a Collamer Silt Loam (2% to 6% slopes). Pu is Pits and Quarries, and Fw is Freshwater Marsh.



Slope and Topography maps were created in the Master Plan Update, 2008

INVENTORY AND ANALYSIS

Monroe County Shared Use Trails Pilot Program

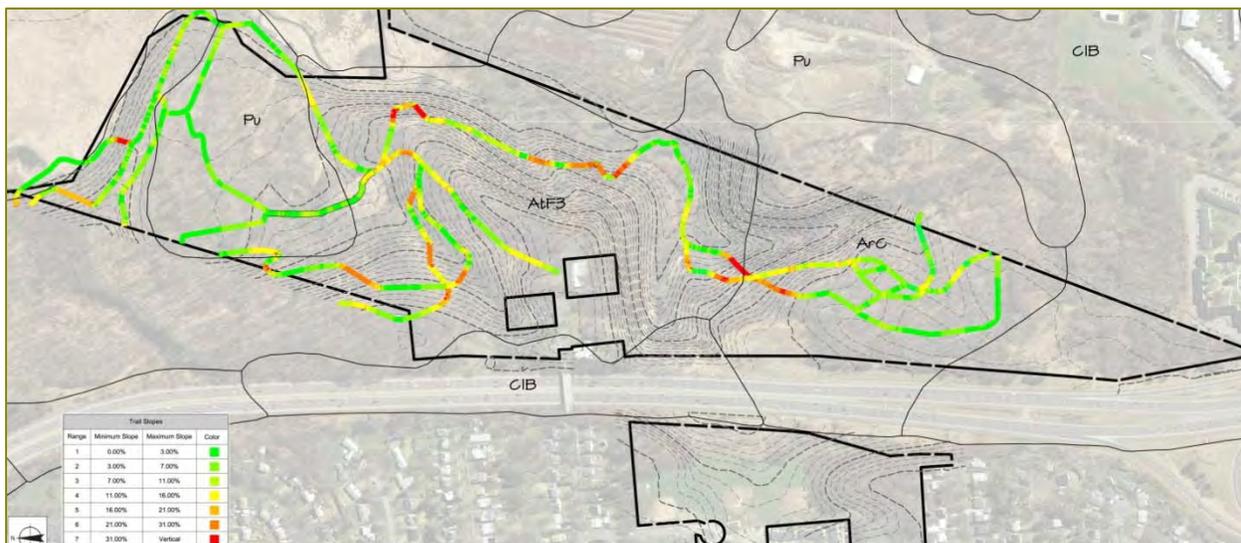
B. IRONDEQUOIT BAY PARK WEST

Irondequoit Bay Park West is located along the southwestern shoreline of Irondequoit Bay between Bay Front Road South and I-590. The 142-acre park is situated along 2,000 feet of bay shoreline on an east-facing slope amongst steep ridges and valleys. In addition, a narrow strip of land approximately 2,300 feet long extends from Empire Boulevard to the main portion of the park. The park is comprised primarily of an upland forest ecological community; however, ravine bottoms and drainages from steep ridges provide forested, and even in some areas, emergent wetlands. An unnamed tributary to the Bay drains generally from west to east and discharges into the bay in the northern portion of the park. In addition, the park provides access to the bay with a small boat ramp/car-top boat launch. The trails are primarily used for hiking, trail running and walking.

Irondequoit Bay Park West has significant topographic variation. At the shoreline of Irondequoit Bay, the elevation is approximately 245 feet, and at the highest elevation, the topography reaches 396 feet. The topography in the park has the following slopes: 11% of the topography is between 0 and 5%; 9% is between 5 and 10%; 24% is between 10 and 20%; 26% is between 20 and 30%; 18% is between 30 and 40%; 8% is between 40 and 50%; and the remaining 4% of the slopes are between 50 and 100%. The Park is comprised of five soil types: Al, AtF3, CIA, Rb and Fw. Al is Alluvial Land. AtF3 is classified as Arkport, Dunkirk and Colonie soils at 20-60% slopes and highly erodible. CIA is a Collamer Silt Loam (0% to 2+% slopes). Rb is Rhinebeck Silt Loam, and Fw is Freshwater Marsh. The park soil is primarily composed of AtF3.



3D graphics of both parks were created to analyze the site topography and existing trail system (images are not to scale)



Trail slopes and soils were studied together in the Master Plan Updates to find the least sustainable trail sections; the steepest trails on the most erodible soils. This provided the basis for selecting trail sections that needed to be reconstructed, re-aligned, or decommissioned.

SHARED USE TRAILS PLANNING AND DESIGN

Monroe County Shared Use Trails Pilot Program



A. SUSTAINABLE TRAIL PRINCIPLES AND PRACTICES

Sustainable trails are defined by the US Forest Service as trails having a tread that will not be easily eroded by water and use, will not affect water quality or the natural ecosystem, meet the needs of the intended users and provide a positive user experience, and that do no harm to the natural environment.

Sustainable trails can be used by a variety of non-motorized users including hikers, trail runners, equestrians, off-road cyclists, and cross-country skiers. Motorized vehicles are normally prohibited unless operated by trail crews or a land manager.

Prior to constructing a new trail, need for the trail should be determined based on condition and routes of existing trails. Surveys should be conducted of trail users to determine user expectations and rudimentary design guidelines.

Natural surface trails are dynamic systems that are constantly being re-shaped by a complex set of human-caused and natural forces. To be sustainable, trails must strike a balance between multiple elements. Type of use, amount of use and user behavior combine with natural factors to determine trails impacts and long-term sustainability.

B. TRAIL SIGNAGE AND EDUCATION

Trail etiquette is the most important factor in creating a positive experience for all trail users. Educational signage provides users with the rules of a shared use trail; bikes yield to hikers and should always make a hiker aware that they are approaching. The same rules for a multi-use paved path apply on single track trails. Clear designations are made for shared-use trails and feet-only trails. All trail user groups must follow the same rules of trail etiquette. Understanding the rules of Shared-use trails is critical when introducing multiple users groups. Bikes yield to everyone on the trail system.

TEMPORARY SIGNAGE

Temporary signage is important to display during the trail restoration and construction. The signage lets trail users know:

- To respect trail closures (decommissioned trails) by order of Monroe County.
- The trail may be temporarily closed due to trail work being performed
- The trail work is to be done by authorized groups ONLY, in collaboration with Monroe County.
- How to volunteer and get involved with work efforts.

SHARED USE TRAILS PLANNING AND DESIGN

Monroe County Shared Use Trails Pilot Program

WAYFINDING SYSTEMS



Through trail marking or blazing, users are able to orient themselves on the trails. Colored blazes located on trees correspond with the trail maps and designate the area or trail a user is on. Wayfinding systems should be regulatory and interpretive.

TRAILHEAD EDUCATIONAL SIGNAGE



Educational signage creates a safe and enjoyable experience for all trail users. Signage provides information on the trail user group and the trail difficulty level.

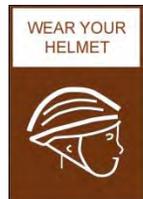
Beginner Trail: Minimal challenge. Suitable for beginners. Gentle terrain.



Intermediate Trail: More challenging. Mixed terrain that may include steeper slopes.

Advanced Trails: Steep, challenging terrain. Requires highest mobility and skill levels.

BIKE HELMET REQUIRED SIGNAGE



Bike Helmet Required Signs are one of the most critical safety elements is the bike helmet. This is something that needs to be clearly marked and encouraged.

INTERSECTION MARKERS



A simple numbering system can be used to help orient users. A numbering system that corresponds to a trail will mark major intersections of trails.

SHARED USE TRAILS PLANNING AND DESIGN

Monroe County Shared Use Trails Pilot Program

TRAIL MAP / TRAILHEAD KIOSK



Having a trail system map located at the trail head helps users understand the park's general layout and gives them visual landmarks as well as defining park boundaries. Mileage and trail system difficulty information helps visitors chart a course according to their ability level.

B. MANAGEMENT AND MAINTENANCE TOOLS

All trails benefit from routine maintenance. Foresight, care, and hard work should also go into the maintenance of a trail and the trail system. The following are suggestions that help to keep trails, trail stewards and volunteers active, engaged and sustainable for all users.

- Periodically assess trails
- Maintain the trail corridor to keep the trail clear and users on the trail
- Remove down trees and obstacles that would force users off the trail

Role of the National Mountain Bike Patrol

The National Mountain Bike Patrol (NMBP) is a volunteer organization of dedicated individuals whose mission is to help provide a safe and fun trail experience for all trail users. Certified patrollers will be present in both Tryon Park and Irondequoit Bay Park West.

The NMBP assisted with the following:

- Assisted all trail users with medical (First Aid and CPR) and informational assistance
- Educated trail users on proper etiquette and environmental considerations
- Monitored and informed Monroe County land manager of trail conditions and any other issue

Use these opportunities to educate volunteers on proper trail design, use and maintenance. Recognize volunteers and create stewards of our public lands.

SHARED USE TRAIL CONSTRUCTION

Monroe County Shared Use Trails Pilot Program



A. TRAIL IMPROVEMENTS

Prior to the trail design and construction, Monroe County compiled a GPS database of existing trail conditions. This included taking geo-tagged photos and assessing criteria at over 500 sample points. This database provided the framework in selecting trails in need of the most improvements. Tryon and Bay Park West Parks required preparation prior to trail construction. A set of guidelines were created:

- Layout trail system
- Plan contour routes using site evaluation data
- Walk and flag the corridor
- Field verify minimization of site disturbance
- Flag alignment using pin flags along the path to visually see grade, grade reversals and flow
- Field review, and revise as needed
- Final approval and construction authorization
- Install temporary signage



Community Labor & Monroe County Oversight and Supervision

Development was a series of design and review cycles with Monroe County (MC). Documentation of the development process was provided to MC. Implementation proceeded when GROC received official sign-off from MC. Documentation of the implementation was provided to MC.

Environmental Clean-Up

All trails benefit from routine maintenance. Foresight, care and hard work go into the maintenance of a trail and the trail system. Maintenance helps to keep trail stewards and volunteers active and engaged, and trails sustainable for all users. MC oversaw a coordinated effort by GROC trail volunteers to remove surface debris from the park. Specifically, there were large quantities of garbage, junk, and debris in the south end of Tryon Park. The assortment of lumber, wooden pallets, etc. was consolidated and removed.

Trail Building Workshops

After a trail committee was formed, stewards and volunteers periodically assessed trails, maintained the trail corridor to keep the trail clear and users on the trail, and removed down trees and obstacles that force users off the trail. The workshops provided opportunities to educate volunteers on proper trail design, use and maintenance, volunteer recognition, and created stewards of our public lands. GROC worked with 2012 Subaru International Mountain Bicycling Association (IMBA) for three days training on sustainable trail building. Numerous GROC volunteer hours

SHARED USE TRAIL CONSTRUCTION

Monroe County Shared Use Trails Pilot Program

were recorded throughout the construction of over 19 miles of trails, 1,184 hours in Tryon Park and 1,877 hours in Irondequoit Bay Park West. A set of shared use trail construction guidelines were created:

- Clear the trail corridor
- Walk/run corridor
- Review for drainage and outslope
- Clear surface to expose tread
- Evaluate tread and needs
- Use this construction time to educate all volunteers with regards to sustainable practices
- Install trailhead kiosks and on-trail signage
- Review and approve final trail prior to use
- Open the trail system for all user groups
- Continue to monitor and improve trail conditions, trail design, and maintenance to mitigate problems early if they should arise



In addition to the initial projects in both parks, a full evaluation of the trail network has been made concurrent with the priority trail projects. Using mapped data and in-field analysis, trails have been classified as “Good, Acceptable, and Close”.

- GOOD: Trails that meet or exceed the criteria for “sustainable” trails
- ACCEPTABLE: Trails with minor issues that can be resolved
- CLOSE: Trails that are highly unsustainable and need to be decommissioned

B. TRYON PARK SHARED USE TRAIL CONSTRUCTION

Six initial projects with multiple more surfacing during the project, were proposed to address the areas of Tryon requiring the most attention. These projects have improved the trail system. They also demonstrated how the successful use of sustainable trail design techniques provide safer, more interesting, and more fun solutions to common problems. The hands-on portion of the three day training between GROC and IMBA was completed in Tryon Park where the crews created a new sustainable trail while decommissioning a dangerous and erodible trail. Trails leading off County parkland were clearly marked and decommissioned where practical.

1. General Trail Improvements

Existing trails were marked. Unsustainable trails were re-routed. New trails were designed and built to take unsustainable trails offline. Trail maps were created.

2. New Trail Established to Enter Park

GROC worked with IMBA to provide much needed access to the trail network from the new parking lot trailhead (An example of rolling contour trail that sheds water effectively – a safer alternative to the erosive and steep ridge trail above it). Ridge trail above has been taken offline.

3. Decommission of the “Double Down”

The previous trail was taken offline (consisted of two steep fall-line descents that were erosive and badly widened). The new alternate trail is more fun for hikers and off-road cyclists. New trail demonstrates bench cutting and rolling contours to divert water. Sight lines are better than the original trail. End of new trail bypasses an area of flat land that was known to collect water.

4. North-South Connector

The end of the previous trail consisted of many exposed roots and a fall-line descent that was highly erosive, dangerous, and badly widened. The new alternate trail is more fun for hikers and off-road cyclists. New trail demonstrates bench cutting and rolling contours to divert water; incorporating short sections of boardwalk to span known wet areas. It employs sections of rock armoring, creating a safe and stable trail surface.

SHARED USE TRAIL CONSTRUCTION

Monroe County Shared Use Trails Pilot Program

5. South End Safety Clean-Up

Rickety stunts and bike jumps were dismantled, providing a safer environment for young and beginning riders.

6. Decommission off-site trail connections:

Existing off-property trail connections were decommissioned. Existing trails were re-aligned and revised to establish a connected trail loop system entirely on County property.

7. Bridges

Three new bridges were designed and constructed within Tryon Park, armoring wet areas in several locations (materials and labor supplied by GROC).

C. IRONDEQUOIT BAY PARK WEST SHARED USE TRAILS CONSTRUCTION

Approximately five miles of new shared-use trails were proposed. All new trails were constructed according to sustainable trail design guidelines. Visitor safety and minimizing environmental impacts were primary goals. The system provides sufficient trailhead and access points, moderate challenges (easy to intermediate level), and safe, fun trail experiences for all visitors.

1. General Trail Improvements

Existing footpaths that remain have been enhanced, and signed for foot traffic only. Connections have been constructed as needed to establish an integrated loop system for footpaths. Select Viewpoints were identified and accessed by footpaths. Five Trailhead and Access Points were proposed. The primary trailhead is the large gravel parking area west of the fish and game club. Throughout the park, significant elevation change required benching on every trail.

2. Trail Entrance at Fish and Game

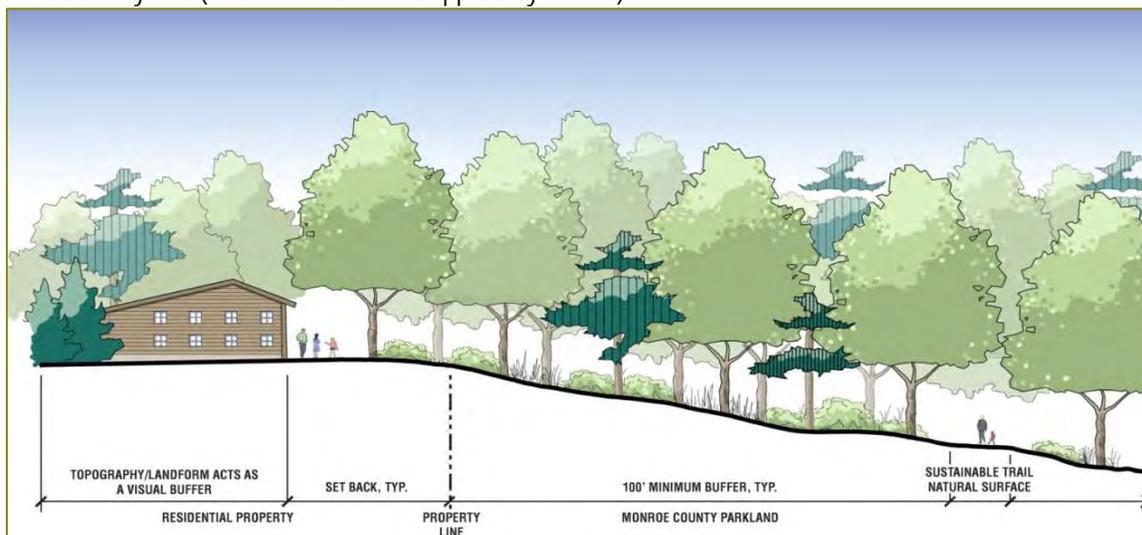
A major retaining wall was constructed to create a sustainable switch back for the main trail entrance. Raised crush stone paths provided mitigation for lower muddy areas.

3. Trail Entrance at Orchard Park Boulevard

The main entrance was designed and benched.

4. Bridges

Six bridges were designed and constructed within Bay Park West. Four bridges off the Home Wood trail entrance, a large bridge on the Green Trail over the ravine, and a large bridge on the Green Trail to connect to the old trolley bed (materials and labor supplied by GROC).



Cross section represents typical trail construction setbacks and buffers (image not to scale).

TRAIL MONITORING AND EVALUATION

Monroe County Shared Use Trails Pilot Program



A. METHODOLOGY

The Pilot Program was proposed to take place during an 18 month period but was extended to 24 months to allow for two full seasons of inventory. Trails in both parks were evaluated three times during the Pilot Program. Cost effective and scientifically defensible evaluation criteria included the following; any constructed features (steps, retaining walls, drainage features, and ditch or stream crossings), erosion, soil displacement, drainage issues, trail widening, impacts on vegetation, and user conflicts.

B. TRAIL ASSESSMENT CRITERIA

Monitoring and evaluating the restoration and construction of shared use trails is important to understand the value of sustainably constructed trails. Results from the pilot program will determine future development of shared use trails in other Monroe County Parks.

Monroe County staff were responsible for monitoring and evaluating the trails. A sub-meter accurate GPS system was used (Trimble Pro XRS GPS, or equal). Sample points along the trail centerline were recorded every 100' and a minimum of two high resolution digital geo-referenced photos were taken at each sample point location. Details of the evaluation criteria are as follows:

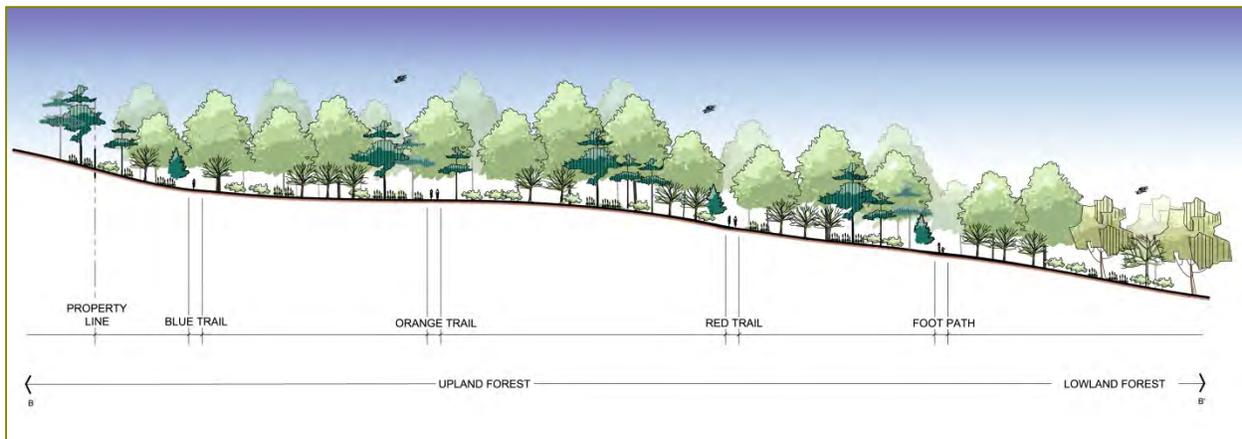
1. Trail position, categorized as one of three types
 - Valley bottom
 - Ridge top
 - Mid-slope
2. Tread surface material
 - Natural surface/ packed earth
 - Gravel
 - Asphalt
 - Woodchip
 - Other
3. Tread cross-section
 - Out-slope
 - In-slope
 - Neutral



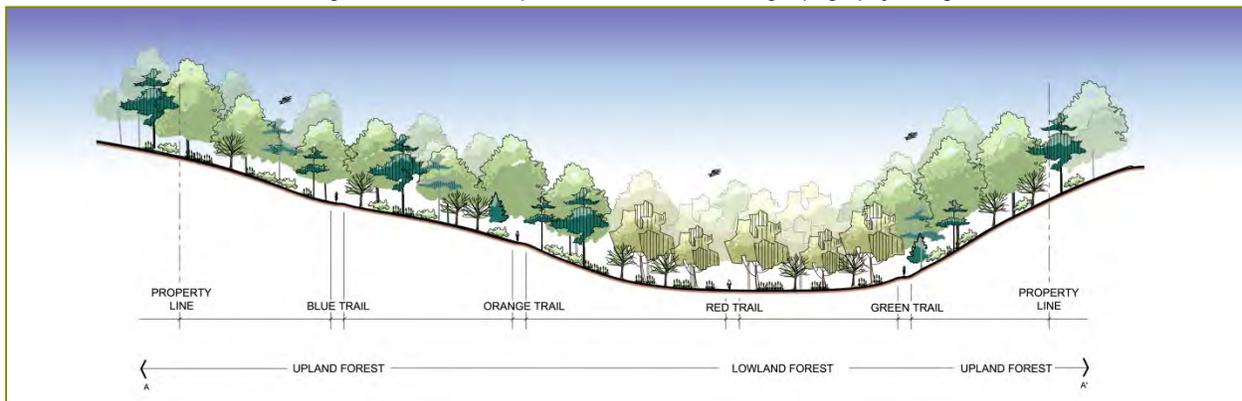
TRAIL MONITORING AND EVALUATION

Monroe County Shared Use Trails Pilot Program

4. Tread grade, percent slope of the trail at the sample point
 - 0-4%
 - 5-10%
 - 1-15%
 - 16-20%
 - 21-25%
 - > 25%
5. Trail Slope alignment angle
 - Orientation of the trail (0-90°) to the prevailing grade of the landform. A low slope alignment angle trail is oriented up- and down-slope; a high slope alignment angle trail is oriented along the contour.
6. In addition to the above trail assessment criteria, record GPS position and geo-tag photos of the following conditions wherever they occur along established trail corridors:
 - Any constructed features including steps, retaining walls, drainage features (water bars, etc.), and ditch or stream crossings.
 - Significant exposed rock
 - Significant exposed tree roots
 - Erosion caused by water
 - Soil displacement caused by trail use
 - Muddy or poorly drained areas
 - Trail widening (where visitors are moving off of the established trail centerline, usually to avoid an undesirable condition.)



Cross sections were studied during the Master Plan Updates to evaluate existing topography (images not to scale).



SUMMARY AND FINDINGS

Monroe County Shared Use Trails Pilot Program



A. SUMMARY OF THE MONROE COUNTY TRAIL EVALUATION DATA

Final data from the County was analyzed based on the factors immediately impacting the trail's integrity; erosion, soil displacement, muddy or poorly drained areas, and trail widening. The trail monitoring was completed by multiple County employees, so different levels of judgment were present.

Data was collected for Tryon Park in the fall of 2009, late fall of 2011, and late fall of 2012. An average of 175 point locations were documented during each of the three visits. The points were analyzed based on the trail colors. Over the course of the three visits:

- The Blue Trail showed one location for erosion at the end of the evaluation. Two instances of trail widening were present at the beginning of the assessment period and one instance was present at the end. Muddy or poorly drained areas were observed at one location during the end of the evaluation period.
- The Green Trail showed no changes to the trail conditions.
- The Orange Trail showed one location for muddy or poorly drained areas at the end of the evaluation period.
- The Purple Trail showed one location for muddy or poorly drained areas at the end of the evaluation period.
- The Red Trail showed three locations for erosion and trail widening at the end of the assessment period. Muddy or poorly drained areas were observed at one location during the beginning of the evaluation period.
- The White Trail showed two locations for muddy or poorly drained areas at the end of the assessment period.

Data was collected for Irondequoit Bay Park West in late summer of 2009, winter of 2011, and fall of 2012. An average of 160 point locations were documented during each of the three visits. During the first visit, the Orange, Purple, and Red Trails were not yet fully constructed. The points were analyzed based on the trail colors. Over the course of the three visits:

- The Blue Trail showed one location for erosion at the beginning of the evaluation period and three locations at the end. Three instances of trail widening were present during the beginning and end of the assessment period.
- The Green Trail showed three locations for erosion at the beginning of the evaluation period and one location at the end. Five instances of trail widening were present at the beginning of the assessment period.
- The Orange Trail showed one location for erosion at the end of the evaluation period. Two instances of trail widening were present during the beginning and end of the assessment period.
- The Purple Trail showed one location of trail widening at the end of the evaluation period.
- The Red Trail showed two locations of trail widening at the beginning of the evaluation period.

SUMMARY AND FINDINGS

Monroe County Shared Use Trails Pilot Program

B. FINDINGS OF THE MONROE COUNTY PILOT PROGRAM

The Monroe County Shared Use Trails Pilot Program included planning, design, construction and monitoring of a limited number of shared use trails in carefully selected areas of the County Park system.

The foundations of the Pilot Program included extensive community engagement, a detailed site analysis, and a master planning process that was inclusive and comprehensive.

Data collected during the 24 month Pilot Program do not indicate any significant adverse environmental impacts related to the establishment of shared use trails in Tryon Park and Irondequoit Bay Park West.

Anecdotal information gathered from County Parks staff and trail users indicate that the shared use trails have had an overall positive impact on the two parks.

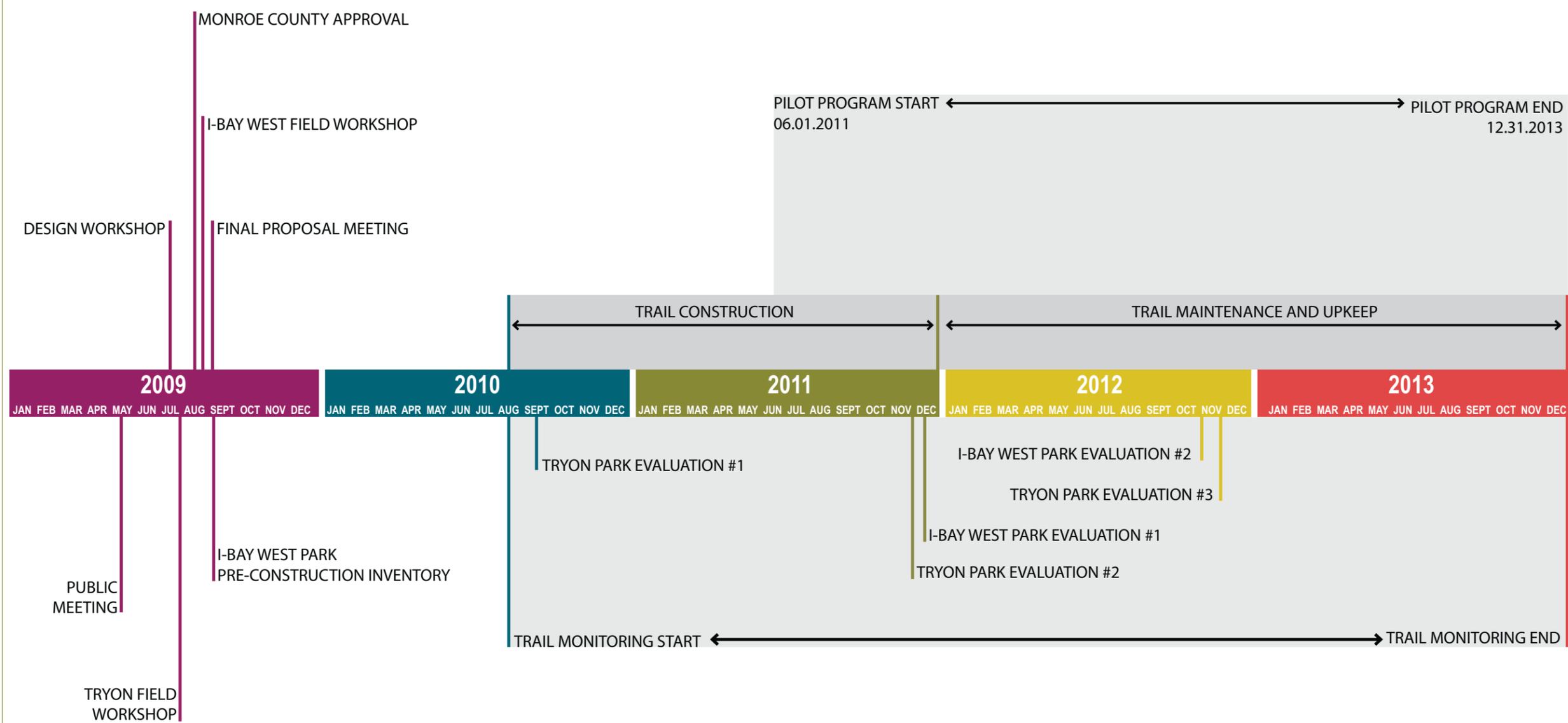
The results of the Pilot Program indicate that shared use trails can provide a sustainable balance of healthy outdoor activities and environmental conservation.

APPENDICES

Monroe County Shared Use Trails Pilot Program

APPENDIX A

Figure 1: Project Timeline



December 2014



APPENDICES

Monroe County Shared Use Trails Pilot Program

APPENDIX B

SUMMARY OF PARK RESOURCES (From the Ellison Park Area Master Plan Update, 2009)

Monroe County Shared Use Trails Pilot Program

TRYON PARK

Park Character

Tryon Park is located on Tryon Park Road east of North Winton Road between Browncroft and Empire Boulevards in the southwestern corner of Irondequoit Bay. The 82-acre park is situated along an east-facing slope amongst steep ridges and valleys. The park is comprised primarily of upland forest ecological communities; however, the park boundary encompasses a small fringe of wetland community associated with the Ellison Wetlands, which border Tryon Park to the east. Tryon Park contains sewage infrastructure, both active and inactive, from the City of Rochester as well as Monroe County Pure Waters.

Facilities and Uses

Shared-use trails crisscross the park, and in some cases, even leave County property. The trails are primarily used for off-road cycling (off-road cycling), trail running, and hiking, although the park is also used for cross-country skiing, snowshoeing, paintball, birdwatching, and dog walking. Cyclists have developed two areas that contain bicycle jumps and stunts, and small footbridges have been erected over wet areas.

The park contains exposed inactive sewer pipes and foundations associated with the City's sewer system, as well as active facilities associated with Monroe County Pure Waters. A paved road runs northeast from the main entrance to the lower plateau. This road is in very poor condition. An elevated exposed sewage pipe runs across a deep gully over the road. A very large discharge facility was observed within the park, which seems to operate as an emergency overflow for the City's sewer system.

Access and Circulation

Tryon Park is adjacent to I-590, midway between Empire Boulevard and Browncroft Boulevard. Vehicular access to the park is from Tryon Park Road, a residential side street that dead-ends in the park. Tryon Park Road crosses over I-590 via a bridge. Park users frequently park on the south side of this bridge. Public comments indicate that the park is primarily accessed from Tryon Park Road, and the access road to the Brighton Landfill from Browncroft Boulevard.

Topography and Soils

The majority of the park is hilly with numerous steep slopes and gulleys. The eastern border falls off very steeply, allowing an excellent view of the wetlands below. At the extreme north end, the topography flattens and is wet in places. At the park boundary shared with the Ellison Wetlands, the elevation is approximately 250 feet, and at the highest elevation, the topography reaches 401 feet. The topography in the park has the following slopes: 26.7% of the topography is between 0 and 5%; 17.2% is between 5 and 10%; 20.5% is between 10 and 20%; 15.1% is between 20 and 30%; 8.5% is between 30 and 40%; 5.7% is between 40 and 50%; and the remaining 6.2% of the slopes are between 50 and 100%.

The Park is comprised of five soil types: ArC, AtF3, CIB, Pu, and Fw. ArC is Arkport Very Fine Sandy Loam (6% to 12% slopes). AtF3 is classified as Arkport, Dunkirk and Colonie soils at 20-60% slopes and highly erodible. CIB is a Collamer Silt Loam (2% to 6% slopes). Pu is Pits and Quarries, and Fw is Freshwater Marsh.

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Ecological Character

The ecological character of Tryon Park can be summarized in three categories: existing cover type; rare, threatened and endangered species; and habitat assessment. The data contained in these categories comes from field visits by EDR's ecological scientists.

Inventory of Existing Cover Type

Mature Rich Mesophytic Forest: The mature forest communities within Tryon Park are located primarily on the steep ridges and valley slopes throughout the park except for those located in the northeastern and eastern portions of the park. Typical forest canopy species such as maple, red oak, tulip poplar, hickory and white oak are dominant. Due to the dense canopy of these overstory trees, limited shrub and herbaceous layer vegetation was noted within the mature forested areas. Where observed, the understory is comprised of maple and oak saplings, sassafras, and in some disturbed areas, tartarian honeysuckle and buckthorn. The herbaceous layer is dominated by fern species (i.e. wood, interrupted, etc.), goldenrods, asters, violets, and blackberry. Poison ivy and grape make up a limited vine layer.

Successional Northern Hardwood Forest: A small successional forest community is found in the northeastern portion of the site. This area seemed to have been disturbed at some time in the past 20 years, and represents a transitional zone between the cattail marsh to the east (off-site), and the mature forest to the west. Portions of this forest are associated with a small-unnamed tributary to Irondequoit Creek. The overstory is less dense than the mature forest with eastern cottonwood, quaking aspen, black walnut, box elder, staghorn sumac, black willow, and black locust all present. A more pronounced understory exists with species present such as sumac and cottonwood saplings, honeysuckle, buckthorn, and willow shrub species. Dominant herbaceous plant species found in this community include goldenrods, asters, Queen Anne's lace, field thistle, timothy grass, orchard grass, and soft rush (in wet areas near the stream).

Floodplain Forest: A small portion of the riparian wetland associated with Irondequoit Creek is located in the park. Canopy trees such as black willow and cottonwood comprise the overstory. Seedlings and saplings of the above-mentioned tree species dominate the understory/shrub layer, sensitive fern, soft rush, asters, goldenrods, and reed canary grass dominate the herbaceous layer.

Emergent Wetland: Emergent wetlands in the park are part of a large wetland complex to the west. Cattail dominates these areas within the park. These wetlands and their ecological significance are described in more detail in the section for the Ellison Wetlands.

It should be noted that along the east-facing ridge in the northern portion of the park are several groundwater seeps located at the head of small intermittent streams. Although these areas are located in an upland forested community, they are too small to have encouraged the growth of hydrophytic canopy tree species. At the time of the site visit, there were no prevalent hydrophytic herbaceous species present.

Invasive species: Invasive plant species are not prevalent throughout Tryon Park. Invasive species such as honeysuckle and buckthorn are concentrated in several small areas of prior disturbance in the center of the park, while Norway maple is present in the upland forested areas. Cattail, which are native, but can be invasive in some

SUMMARY OF PARK RESOURCES (From the Ellison Park Area Master Plan Update, 2009) Monroe County Shared Use Trails Pilot Program

instances, are dominant within the shallow emergent wetland complex but only a very small percentage of this wetland is located within Tryon Park.

Rare, Threatened, and Endangered Species

According to the NYSDEC database, the American burying beetle (*Nicrophorus americanus*), an extirpated insect species in New York State, has been identified in the vicinity of Tryon Park. However, no observations of this species were made during the site visit.

Habitat Assessment

Mature Forest and Forested Wetland Habitats: Results of the on-site survey indicate that forest within the park provides habitat for wildlife species that require forest interior conditions, such as wood thrush, warblers, orioles, red-eyed vireo, black-capped chickadee, and several woodpecker species such as the hairy, red breasted, flicker, and pileated woodpecker. The small forested wetland along Irondequoit Creek provides habitat for waterfowl, including Canada goose, great blue heron and wood duck. Common mammals that utilize forested habitat likely include gray squirrel, red squirrel, eastern chipmunk, and whitetail deer. Although not observed, beaver is also common in forested wetlands.

Successional Forest Habitats: Successional community types provide nesting and escape cover for a variety of wildlife species. Various songbirds, such as gray catbird, American goldfinch, indigo bunting, northern cardinal, white-throated sparrow, and yellow warbler, require low brushy vegetation for nesting and escape cover. Common mammals typically found in these types of brushy successional habitat include whitetail deer and eastern cottontail. Raccoon and striped skunk are especially expected in this type of successional forest, due to its proximity to wetland/riparian areas. In addition, some of the shrub species found in these areas produce berries, which provide a good wildlife food source.

Emergent Wetland Habitat: Although no large areas of open water habitat, such as lakes, marshes, or mudflats, occur within the park boundary, the small amount of emergent wetland from the adjacent Ellison Wetlands still hosts wetland/aquatic species. These areas provide a source of food, water, and/or cover for various waterfowl and many of the upland species mentioned previously. These water bodies also may support small fishes, amphibians, and a diversity of insects and aquatic invertebrates. They are preferred foraging areas for aerial insectivores, including songbirds and bats. In addition, these areas provide habitat for various wetland/aquatic wildlife species, including Canada goose, great blue heron, mallard, wood duck, and reptiles such as painted turtle, green frog, spring peepers, bullfrog, and American Toad. Whitetail deer and muskrat tracks were prevalent in and around the edge of this wetland, which is evidence that well used migratory corridors link the different ecological communities within the park.

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IRONDEQUOIT BAY PARK WEST

Park Character

Irondequoit Bay Park West is located along the southwestern shoreline of Irondequoit Bay between Bay Front Road South and I-590. The 142-acre park, similar to Abraham Lincoln Park, is situated along 2,000 feet of bay shoreline on an east-facing slope amongst steep ridges and valleys. In addition, a narrow strip of land approximately 2,300 feet long extends from Empire Boulevard to the main portion of the park. The park is comprised primarily of an upland forest ecological community; however, ravine bottoms and drainages from steep ridges provide forested, and even in some areas, emergent wetlands. An unnamed tributary to the Bay drains generally from west to east and discharges into the bay in the northern portion of the park. In addition, the park provides access to the bay with a small boat ramp.

Facilities and Uses

The land adjacent to the bay affords good access to the Bay; however, the level ground adjacent to the water is limited in width and rises steeply close to shore. Water is generally shallow along the shore, varying in depth from less than one meter to approximately two meters to the north. Manmade structures in the park include a small boat ramp, an abandoned portion of Bay Front Road South, abandoned sections of South Glen Road, the Irondequoit Fish and Game Club building, marinas, and parking areas. The boat ramp is located near the junction of Bay Front South Road and Orchard Park Boulevard. The ramp, which is in poor condition, has limited parking and maneuvering space for trailers. The County owns one house/structure in the park, which is inhabited under specified tenancy terms of occupation.

Access and Circulation

Access to the park is through residential areas via Orchard Park Boulevard and Bay South Road. Public comments indicate that the park is primarily entered from Orchard Park Boulevard. The access through residential areas results in a circuitous route into the park, causing the park to lack a sense of entrance and making the park somewhat difficult to find. Traffic to and from the park is a disruption to the residential areas. Bay Front Road South, a public road, runs parallel to the bay and is in acceptable condition. Some docks and small marinas are located along this road, in varying conditions. A secondary road, which turns into the abandoned trolley line, diagonally bisects the park. The road and trolley line have been abandoned and blocked off with large concrete blocks. The public has illegally used this road as a dumping area. A trail, in poor condition, leads from Empire Boulevard along the bay shore and into the main area of the park.

Topography and Soils

Irondequoit Bay Park West has significant topographic variation. At the shoreline of Irondequoit Bay, the elevation is approximately 245 feet, and at the highest elevation, the topography reaches 396 feet. The topography in the park has the following slopes: 11% of the topography is between 0 and 5%; 9% is between 5 and 10%; 24% is between 10 and 20%; 26% is between 20 and 30%; 18% is between 30 and 40%; 8% is between 40 and 50%; and the remaining 4% of the slopes are between 50 and 100%.

The Park is comprised of five soil types: AI, AtF3, CIA, Rb and Fw. AI is Alluvial Land. AtF3 is classified as Arkport, Dunkirk and Colonie soils at 20-60% slopes and highly erodible. CIA is a Collamer Silt Loam (0% to 2+% slopes). Rb is Rhinebeck Silt Loam, and Fw is Freshwater Marsh. The park soil is primarily composed of AtF3.

SUMMARY OF PARK RESOURCES (From the Ellison Park Area Master Plan Update, 2009)

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Ecological Character

The ecological character of Irondequoit Bay Park West can be summarized in three categories: existing cover type; rare, threatened and endangered species; and habitat assessment. The data contained in these categories comes from field visits by EDR's ecological scientists.

Inventory of Existing Cover Type

Mature Rich Mesophytic Forest: The mature forest communities within Irondequoit Bay Park West are located primarily within the southern and western parts of the park. A very well structured forest canopy exists with some of the typical forest canopy species such as maple, black walnut, red oak, beech, hickory, gray birch, yellow birch, and black cherry, are present. In addition, there are small evergreen (white pine and hemlock) stands within the western portion of the riparian corridor. Due to the dense canopy of the overstory trees, limited shrub and herbaceous vegetation was noted within the mature forested areas. Where observed, the understory is comprised of maple and oak saplings, spicebush, honeysuckle, Japanese barberry, and ironwood. Fern species, violets, and strawberry within the forest interior dominate the herbaceous layer. Overall, this mature forest community is an asset to the Irondequoit Bay watershed.

Floodplain Forest: A forested wetland was observed in the low broad floodplain of the unnamed tributary in the northeastern part of the park where it discharges into the Bay. Canopy trees such as black willow, American elm, and eastern cottonwood comprise the overstory. Seedlings and saplings of the above-mentioned tree species, silky dogwood, honeysuckle, and multiflora rose dominate the understory/shrub layer; sensitive fern, asters, goldenrods, and reed canary grass dominate the herbaceous layer. In some cases, cattail and/or common reed persist within areas without a dense canopy.

Emergent Wetland: Emergent wetlands were also noted along the floodplain and near the Bay shoreline intermixed with the forested wetlands. Stretches of shoreline also can be characterized as emergent wetlands. Cattail, common reed, joe-pye weed, polygonum sp., jewelweed, asters and goldenrods dominate these wetland areas.

Invasive species: Invasive plant species seem to be a problem within the wetland areas and along the road near the shoreline. The most aggressive is common reed, which is heavily concentrated at the mouth of the unnamed tributary. Japanese barberry and honeysuckle were noted along the road and near disturbed areas.

Rare, Threatened, and Endangered Species

According to the NYSDEC database, giant pine-drops (*Pterospora andromedea*) and twin-leaf (*Jeffersonia diphylla*) both listed plant species in New York State, have been identified in the vicinity of Irondequoit Bay Park West. Although it should be noted that the site visit was not made at the optimal time of the growing season to look for certain rare, threatened, or endangered species, these species were not observed.

The Biological Study identified multiple locations within and in close proximity of the Bay Area Parks that have critical aquatic and terrestrial habitats. The southwestern corner of the Bay (near Irondequoit Bay Park West) is a critical priority for protection due to the high species diversity and the warmwater fishes. Irondequoit Bay Park West is a high priority for protection due to the high abundance and diversity of fish, especially in the spring spawning season.

Habitat Assessment

Upland Forest and Forested Wetland Habitats: Results of the on-site survey indicate that forest within the park provides habitat for wildlife species that require forest interior conditions, such as wood thrush, warblers, red tail

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hawk, nuthatch, black-capped chickadee, and several woodpecker species such as the hairy, red breasted, flicker, and pileated woodpecker. The forested wetlands along the bay shoreline provide habitat for waterbirds, including, great blue heron, belted kingfisher, and wood duck. Common mammals that utilize forested habitat likely include gray squirrel, red squirrel, eastern chipmunk, and whitetail deer (numerous tracks observed). Although not observed, beaver are common in forested wetlands as well.

Emergent Wetland Habitat: The emergent wetlands associated with the unnamed tributary and the wetlands along the bay shoreline offer significant wetland/aquatic habitat. These areas provide a source of food, water, and/or cover by various waterfowl and many of the upland species mentioned previously. These water bodies also may support small fishes, amphibians, and a diversity of insects and aquatic invertebrates. They are preferred foraging areas for aerial insectivores, including songbirds and bats. In addition, these areas provide habitat for various wetland/aquatic wildlife species, including Canada goose, great blue heron, belted kingfisher, mute swan, mallard, wood duck, and reptiles such as painted turtle, green frog, spring peepers, bullfrog, and American toad. Whitetail deer tracks were prevalent in and around the edge of these wetlands, which is evidence that well used migratory corridors link the different ecological communities within the park.

APPENDICES

Monroe County Shared Use Trails Pilot Program

APPENDIX C

Tryon Park - 2010

Survey_ID	Trail_Pos	Tread_Surf	Tread_Cros	Problem_Ar	Comments	Photo_Numb	Date_Colle	Park	Tread_Grade	Trail_Slope_Alignment_Angle	TRAIL_BLAZE_COLOR
2010-TP-001	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0356 Facing W; 0357 Facing E	9/14/2009	Tryon	>25%	0-22% Very High Degradation Potential	Blue
2010-TP-009	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0619 Facing N; 0620 Facing S	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Blue
2010-TP-010	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Other Problem See Coments		0623 Facing N; 0624 Facing S	9/23/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Blue
2010-TP-042	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0344 Facing S; 0345 Facing N	9/14/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Blue
2010-TP-084	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0340 Facing S; 0341 Facing N	9/14/2009	Tryon	>25%	23-45% High Degradation Potential	Blue
2010-TP-085	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0346 Facing S; 0347 Facing N	9/14/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Blue
2010-TP-086	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0348 Facing S; 0349 Facing N	9/14/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Blue
2010-TP-087	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0360 Facing W; 0361 Facing E	9/14/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Blue
2010-TP-094	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0482 Facing S; 0483 Facing N	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Blue
2010-TP-097	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0629 Facing N; 0630 Facing S	9/23/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Blue
2010-TP-145	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0362 Facing W; 0363 Facing E	9/14/2009	Tryon	21-25%	0-22% Very High Degradation Potential	Blue
2010-TP-158	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0645 Facing N; 0646 Facing S	9/23/2009	Tryon	>25%	23-45% High Degradation Potential	Blue
2010-TP-183	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0354 Facing W; 0355 Facing E	9/14/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Blue
2010-TP-192	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0621 Facing N; 0622 Facing S	9/23/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Blue
2010-TP-193	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0627 Facing N; 0628 Facing S	9/23/2009	Tryon	>25%	0-22% Very High Degradation Potential	Blue
2010-TP-194	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0639 Facing N; 0640 Facing S	9/23/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Blue
2010-TP-227	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0358 Facing W; 0359 Facing E	9/14/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Blue
2010-TP-231	Ridge Top	Natural Surface/ Packed Earth	Neutral	Bike Jumps		0486 Facing S; 0487 Facing N	9/22/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Blue
2010-TP-236	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0631 Facing N; 0632 Facing S	9/23/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Blue
2010-TP-282	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Trail Widening	SideTrail	0342 Facing W; 0343 Facing W	9/14/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Blue
2010-TP-283	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Trail Widening	Side Trails	0350 F S; 0351 F N; Side Trails 0352 F W; 0353F E	9/14/2009	Tryon	>25%	0-22% Very High Degradation Potential	Blue
2010-TP-334	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0338 Facing S; 0339 Facing N	9/14/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Blue
2010-TP-336	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0484 Facing S; 0485 Facing N	9/22/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Blue
2010-TP-344	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Bike Jumps		0625 Facing N; 0626 Facing S	9/23/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Blue
2010-TP-345	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0641 Facing N; 0642 Facing S	9/23/2009	Tryon	>25%	0-22% Very High Degradation Potential	Blue
2010-TP-346	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0643 Facing N; 0644 Facing S	9/23/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Blue
2010-TP-003	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0497 Facing S; 0498 Facing N	9/22/2009	Tryon	11-15%	23-45% High Degradation Potential	Green
2010-TP-008	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0589 Facing S; 0590 Facing N	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-048	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0540 Facing N; 0541 Facing S	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-049	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0609 Facing N; 0610 Facing S	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-096	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0538 Facing N; 0539 Facing S	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-148	Ridge Top	Natural Surface/ Packed Earth	Neutral	Bike Jumps		0503 Facing S; 0505 Facing N; 0504 E	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-149	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0507 Facing S; 0508 Facing N; 0506 Facing E	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-150	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0509 Facing S; 0510 Facing N	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-155	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0536 Facing W; 0537 Facing E	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-156	Ridge Top	Natural Surface/ Packed Earth	Neutral	Bike Jumps		0601 Facing E; 0602 Facing W	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-157	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0611 Facing N; 0612 Facing S	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-189	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0488 Facing S; 0489 Facing N	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-190	Ridge Top	Natural Surface/ Packed Earth	Neutral	Bike Jumps		0495 Facing S; 0496 Facing N	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-232	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0490 Facing S; 0492 Facing N; 0491 Facing W	9/22/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Green
2010-TP-233	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0591 Facing S; 0592 Facing N	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-234	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0593 Facing E; 0594 Facing S; 0595 Facing W	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-235	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0615 Facing W; 0616 Facing E	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-285	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0493 Facing S; 0494 Facing N	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-287	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0585 Facing S; 0586 Facing N	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-288	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0613 Facing W; 0614 Facing E	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-289	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0617 Facing N; 0618 Facing S	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-337	Ridge Top	Natural Surface/ Packed Earth	Neutral	Bike Jumps		0499 Facing S; 0500 Facing N	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-338	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments		0501 Facing S; 0502 Facing N	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-341	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0534 Facing W; 0535 Facing E	9/22/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-342	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0587 Facing S; 0588 Facing N	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-343	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0596 Facing E; 0597 Facing S; 0598 Facing W	9/23/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Green
2010-TP-056	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0746 Facing S; 0747 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Orange
2010-TP-058	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	Building Foundation	0832 Facing S; 0833 Facing N	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-104	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0748 Facing S; 0749 Facing N	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Orange
2010-TP-115	Valley Bottom	Gravel	Neutral	No Problem(s)		0827 Facing S; 0828 Facing N	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-116	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0844 Facing N; 0845 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange

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2010-TP-117	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0850 Facing N; 0851 Facing S	9/25/2009	Tryon	5-10%	23-45% High Degradation Potential	Orange
2010-TP-164	Valley Bottom	Gravel	Neutral	No Problem(s)		0825 Facing E; 0826 Facing W	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-165	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0840 Facing W; 0841 Facing E	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Orange
2010-TP-242	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0750 Facing S; 0751 Facing N	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Orange
2010-TP-244	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0821 Facing S; 0822 Facing N	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-245	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	Other Problem See Coments	Building Foundation	0830 Facing S; 0831 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Orange
2010-TP-246	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0834 Facing E; 0835 Facing W	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-247	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0842 Facing N; 0843 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Orange
2010-TP-248	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0848 Facing N; 0849 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Orange
2010-TP-249	Valley Bottom	Other	Neutral	Exposed Rocks		0852 Facing W; 0853 Facing S	9/25/2009	Tryon	0-4%	23-45% High Degradation Potential	Orange
2010-TP-297	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0836 Facing S; 0837 Facing N	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-298	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0846 Facing N; 0847 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-299	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0854 Facing W; 0855 Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-353	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0823 Facing E; 0824 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Orange
2010-TP-354	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0838 Facing W; 0839 Facing E	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Orange
2010-TP-005	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0420 Facing S; 0421 Facing N	9/15/2009	Tryon	>25%	0-22% Very High Degradation Potential	Purple
2010-TP-006	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0422 Facing S; 0423 Facing N	9/15/2009	Tryon	>25%	0-22% Very High Degradation Potential	Purple
2010-TP-007	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0424 Facing S; 0425 Facing N	9/15/2009	Tryon	>25%	0-22% Very High Degradation Potential	Purple
2010-TP-154	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0418 Facing S; 0419 Facing N	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Purple
2010-TP-184	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0426 Facing S; 0427 Facing N	9/15/2009	Tryon	>25%	0-22% Very High Degradation Potential	Purple
2010-TP-002	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0428 Facing E; 0429 Facing W	9/15/2009	Tryon	>25%	0-22% Very High Degradation Potential	Red
2010-TP-004	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0408 Facing W; 0409 Facing E	9/15/2009	Tryon	>25%	0-22% Very High Degradation Potential	Red
2010-TP-011	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0718 Facing N; 0719 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-015	Mid-Slope	Asphalt	In-Slope	No Problem(s)		0764 Facing N; 0765 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-016	Mid-Slope	Asphalt	In-Slope	No Problem(s)		0772 Facing N; 0773 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-017	Mid-Slope	Natural Surface/ Packed Earth	In-Slope	Bike Jumps		0774 Facing E; 0775 Facing W; 0776 Facing N	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-043	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0439 Facing W; 0440 Facing E	9/15/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-044	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0461 Facing S; 0462 Facing N	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-045	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0396 Facing N; 0397 Facing S	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-046	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0400 Facing W; 0401 Facing E	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-047	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0415 Facing N; 0416 Facing S	9/15/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-050	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0688 Facing N; 0689 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-052	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0714 Facing N; 0715 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-053	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0716 Facing N; 0717 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-054	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0730 Facing S; 0731 Facing N	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-055	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0732 Facing S; 0733 Facing N	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-067	Ridge Top	Gravel	Out-Slope	No Problem(s)	Start of Trail	0314 Facing E; 0315 Facing W	9/14/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-088	Ridge Top	Natural Surface/ Packed Earth	Neutral	Exposed Tree Roots		0432 Facing E; 0433 Facing W	9/15/2009	Tryon	21-25%	0-22% Very High Degradation Potential	Red
2010-TP-089	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0434 Facing E; 0435 Facing W	9/15/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Red
2010-TP-090	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0437 Facing W; 0438 Facing E	9/15/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-091	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0441 Facing W; 0442 Facing E	9/15/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Red
2010-TP-092	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0451 Facing E; 0452 Facing W	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-093	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0459 Facing S; 0460 Facing N	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-095	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0398 Facing W; 0399 Facing S	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-099	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0699 Facing W; 0700 Facing E	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-100	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0701 Facing N; 0702 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-101	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0712 Facing W; 0713 Facing E	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-102	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0722 Facing N; 0723 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-106	Mid-Slope	Asphalt	In-Slope	No Problem(s)		0766 Facing N; 0767 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-107	Mid-Slope	Asphalt	In-Slope	No Problem(s)		0777 Facing E; 0778 Facing W	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-108	Ridge Top	Asphalt	Neutral	No Problem(s)		0779 Facing N; 0780 Facing W	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-109	Valley Bottom	Asphalt	Neutral	No Problem(s)		0783 Facing W; 0784 Facing E	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-110	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0793 Facing E; 0794 Facing W	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-111	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0795 Facing E; 0796 Facing W	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-112	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0797 Facing E; 0798 Facing W	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-146	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0445 Facing S; 0446 Facing N	9/15/2009	Tryon	16-20%	0-22% Very High Degradation Potential	Red
2010-TP-147	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0455 Facing E; 0456 Facing W	9/15/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-151	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0394 Facing N; 0395 Facing S	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red

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2010-TP-152	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0402 Facing W; 0403 Facing E	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-153	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0414 Facing N; 0415 Facing S	9/15/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-161	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0705 Facing N; 0706 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-163	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0791 Facing E; 0792 Facing W	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-185	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0430 Facing E; 0431 Facing W	9/15/2009	Tryon	21-25%	0-22% Very High Degradation Potential	Red
2010-TP-186	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Bike Jumps		0449 Facing E; 0450 Facing W	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-187	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0463 Facing S; 0464 Facing N	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-188	Ridge Top	Asphalt	Neutral	No Problem(s)		0472 Facing S; 0473 Facing N	9/15/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-191	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0404 Facing W; 0405 Facing E	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-196	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0726 Facing E; 0727 Facing W	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-199	Ridge Top	Asphalt	In-Slope	No Problem(s)		0762 Facing N; 0763 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-200	Valley Bottom	Gravel	Neutral	No Problem(s)		0785 Facing W; 0786 Facing E	9/25/2009	Tryon	5-10%	46-67% Low Degradation Potential	Red
2010-TP-203	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0856 Facing N; 0857 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-228	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0441 Facing W; 0442 Facing E	9/15/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-229	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0457 Facing S; 0458 Facing N	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-230	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0465 Facing S; 0466 Facing N	9/15/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-238	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0707 Facing N; 0708 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-239	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0709 Facing W; 0710 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-240	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0720 Facing N; 0721 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-241	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0724 Facing N; 0725 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-284	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Muddy or Poorly Drained Areas		0453 Facing E; 0454 Facing W	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-286	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0410 Facing W; 0411 Facing E	9/15/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-290	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0728 Facing E; 0729 Facing W	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-292	Mid-Slope	Asphalt	In-Slope	No Problem(s)		0768 Facing N; 0769 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-293	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0787 Facing N; 0788 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-294	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0789 Facing E; 0790 Facing W	9/25/2009	Tryon	11-15%	23-45% High Degradation Potential	Red
2010-TP-295	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0799 Facing N; 0800 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-335	Valley Bottom	Gravel	Neutral	Other Problem See Coments		0447 Facing E; 0448 Facing N	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-339	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0406 Facing W; 0407 Facing E	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-340	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0412 Facing N; 0413 Facing S	9/15/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-347	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0703 Facing N; 0704 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	Red
2010-TP-350	Mid-Slope	Asphalt	In-Slope	Other Problem See Coments		0770 Facing N; 0771 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-351	Ridge Top	Asphalt	In-Slope	No Problem(s)		0781 Facing W; 0782 Facing S	9/25/2009	Tryon	11-15%	0-22% Very High Degradation Potential	Red
2010-TP-355	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0858 Facing N; 0859 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	Red
2010-TP-012	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)		0744 Facing S; 0745 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-013	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0756 Facing N; 0757 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-014	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0758 Facing N; 0759 Facing S	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-018	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0807 Facing W; 0808 Facing E	9/25/2009	Tryon	0-4%	23-45% High Degradation Potential	White
2010-TP-051	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0695 Facing E; 0696 Facing W	9/25/2009	Tryon	>25%	0-22% Very High Degradation Potential	White
2010-TP-057	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0809 Facing W; 0810 Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-098	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0686 Facing E; 0687 Facing W	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-103	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0738 Facing S; 0739 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-105	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0752 Facing E; 0753 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-113	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0811 Facing W; 0812 Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-114	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0819 Facing W; 0820 Facing N	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-159	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0684 Facing N; 0685 Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-160	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0690 Facing E; 0691 Facing W	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-162	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0754 Facing E; 0755 Facing W	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-195	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Exposed Tree Roots		0697 Facing W; 0698 Facing SW	9/25/2009	Tryon	>25%	46-67% Low Degradation Potential	White
2010-TP-197	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0736 Facing S; 0737 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-198	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0742 Facing S; 0743 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-201	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0805 Facing W; 0806Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-202	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0813 Facing W; 0814 Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-237	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0692 Facing E; 0693 Facing W	9/25/2009	Tryon	>25%	0-22% Very High Degradation Potential	White
2010-TP-243	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0815 Facing W; 0816 Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White
2010-TP-291	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0760 Facing N; 0761 Facing S	9/25/2009	Tryon	5-10%	68-90% Very Low Degradation Potential	White
2010-TP-296	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0803 Facing W; 0804 Facing E	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-348	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0734 Facing W; 0735 Facing S	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White

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2010-TP-349	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Exposed Rocks		0740 Facing S; 0741 Facing N	9/25/2009	Tryon	5-10%	0-22% Very High Degradation Potential	White
2010-TP-352	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)		0817 Facing W; 0818 Facing E	9/25/2009	Tryon	0-4%	0-22% Very High Degradation Potential	White

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2012-TP-291	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	5-10%	Exposed Rocks	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)		10;32	11/30/2012	Tryon Park	Unmarked
2012-TP-296	Ridge Top	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/30/2012	Tryon Park	Unmarked
2012-TP-156	Ridge Top	Natural Surface/ Packed Earth	Neutral	5-10%	Exposed Tree Roots	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)		10;5	11/8/2012	Tryon Park	White
2012-TP-159	Ridge Top	Natural Surface/ Packed Earth	Neutral	0-4%	Bike Jumps	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-207	Valley Bottom	Natural Surface/ Packed Earth	Neutral	0-4%	Exposed Tree Roots	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)		10;32	11/29/2012	Tryon Park	White
2012-TP-208	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	Muddy or Poorly Drained Areas	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-209	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	Exposed Rocks	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)		10;37	11/29/2012	Tryon Park	White
2012-TP-215	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	Exposed Rocks	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-216	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-217	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-219	Mid-Slope	Natural Surface/ Packed Earth	Neutral	5-10%	Exposed Rocks	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-222	Mid-Slope	Natural Surface/ Packed Earth	Neutral	5-10%	Exposed Rocks	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-228	Mid-Slope	Natural Surface/ Packed Earth	Neutral	11-15%	No Problem(s)	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)		12;23	11/29/2012	Tryon Park	White
2012-TP-229	Mid-Slope	Natural Surface/ Packed Earth	Neutral	5-10%	Exposed Rocks	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White
2012-TP-230	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	Muddy or Poorly Drained Areas	68-90% Very Low Degradation Potential	No Cunstructed Feature(s)			11/29/2012	Tryon Park	White

Irondequoit Bay Park West - 2009

Survey_ID	Trail_Pos	Tread_Surf	Tread_Cros	Problem_Ar	Comments	Photo_Numb	Date_Colle	Park	Tread_Grade	Trail_Slope_Alignment_Angle	TRAIL_BLAZE_COLOR
2009-IBW-001	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0922 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-002	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0964 Facing N; 0966 Facing N	8/30/2009	Irondequoit Bay West	16-20%	<Null>	N/A
2009-IBW-003	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0971 Facing S; 0972 Facing N	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-004	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0985 Facing S; 0986 Facing N	8/30/2009	Irondequoit Bay West	5-10%	<Null>	N/A
2009-IBW-005	Ridge Top	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0993 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-006	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	11-15%	<Null>	N/A
2009-IBW-007	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-008	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Bike Jumps	<Null>	N/A	8/30/2009	Irondequoit Bay West	21-25%	<Null>	N/A
2009-IBW-009	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	Orange
2009-IBW-010	Ridge Top	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	Orange
2009-IBW-011	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	0146 Facing W; 0145 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-012	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	<Null>	0154 Facing W; 0155 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-013	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	Massive wash out	0162 Facing W; 0163 Facing E; 0164	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-014	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0175 Facing W; 0176 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue
2009-IBW-015	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0194 Facing W; 0195 Facing E; 0196	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-016	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0244 Facing W; 0245 Facing E	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-017	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	Section of trail is on private property	0256 Facing N; 0257 Facing W	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-018	Mid-Slope	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0277 Facing W; 0278 Facing E	9/2/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	Blue
2009-IBW-019	Ridge Top	Natural Surface/ Packed Earth	In-Slope	Trail Widening	Tree	0305 Facing E; 0306 Facing W	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Red
2009-IBW-020	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0307 Facing E; 0308 Facing W	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-021	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0309 Facing E; 0310 Facing W	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-022	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0046 Facing W; 0047 Facing E	8/31/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-023	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0048 Facing N; 0049 Facing S	8/31/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-024	Ridge Top	Natural Surface/ Packed Earth	Neutral	Muddy or Poorly Drained Areas	<Null>	0058 Facing W; 0059 Facing E	8/31/2009	Irondequoit Bay West	11-15%	23-45% High Degradation Potential	N/A
2009-IBW-025	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0070 Facing E; 0071 Facing W	8/31/2009	Irondequoit Bay West	16-20%	46-67% Low Degradation Potential	N/A
2009-IBW-026	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0072 Facing N; 0073 Facing S	8/31/2009	Irondequoit Bay West	16-20%	46-67% Low Degradation Potential	N/A
2009-IBW-027	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0110 Facing E; 0111 Facing W	8/31/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A
2009-IBW-046	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>	0929; 0930 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	Blue
2009-IBW-047	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	5-10%	<Null>	N/A
2009-IBW-048	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0941 Facing S; 0942 Facing S	8/30/2009	Irondequoit Bay West	11-15%	<Null>	N/A
2009-IBW-049	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0982 Facing N	8/30/2009	Irondequoit Bay West	16-20%	<Null>	N/A
2009-IBW-050	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0983 Facing S; 0984 Facing N	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-051	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	21-25%	<Null>	N/A
2009-IBW-052	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-053	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	Blue
2009-IBW-054	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Muddy or Poorly Drained Areas	Start of Trail	0139; 0140; 0141; 0137 Facing W; 0138 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-055	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Muddy or Poorly Drained Areas	<Null>	0142 Facing W; 0143 Facing E; 0144	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-056	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0224 Facing W; 0225 Facing E	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-057	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0230 Facing S; 0231 Facing N	9/2/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	Green
2009-IBW-058	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0238 Facing W; 0239 Facing E	9/2/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	Green
2009-IBW-059	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0240 Facing W; 0241 Facing E	9/2/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	Green
2009-IBW-060	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0254 Facing W; 0255 Facing E	9/2/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	N/A
2009-IBW-061	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0266 Facing W; 0267 Facing E	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Blue
2009-IBW-062	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0291 Facing E; 0292 Facing W	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-063	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0297 Facing E; 0298 Facing W	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Red
2009-IBW-064	Valley Bottom	Asphalt	Neutral	No Problem(s)	<Null>	0025 Facing N; 0026 Facing S	8/31/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-065	Mid-Slope	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0091 Facing S; 0092 Facing E	8/31/2009	Irondequoit Bay West	16-20%	23-45% High Degradation Potential	N/A
2009-IBW-066	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0102 Facing E; 0103 Facing W	8/31/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-067	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0129 Facing S; 0130 Facing E	9/1/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-068	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0133 Facing N; 0134 Facing W	9/1/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-086	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0924; 0925 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-087	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Bike Jumps	<Null>	0943 Facing S; 0944 Facing S	8/30/2009	Irondequoit Bay West	11-15%	<Null>	N/A
2009-IBW-088	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0961 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-089	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0962 Facing N; 0963 Facing N	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-090	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0973 Facing N; 0974 Facing N	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-091	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0987 Facing S; 0988 Facing N	8/30/2009	Irondequoit Bay West	5-10%	<Null>	N/A
2009-IBW-092	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-093	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-095	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree		156 9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-096	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0160 Facing W; 0161 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-097	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>	0165 Facing W; 0166 Facing E; 0167	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue
2009-IBW-098	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0160 Facing W; 0161 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue

Irondequoit Bay Park West - 2009

2009-IBW-099	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	Tree	0183 Facing W; 0184 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-100	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>	207 F W; 208 F N; 209; 210; 211; 212; 213	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-101	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Trail Widening	Tree	0222 Facing W; 0223 Facing E	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Green
2009-IBW-102	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0262 Facing W; 0263 Facing E	9/2/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	Blue
2009-IBW-103	Mid-Slope	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0283 Facing N; 0284 Facing S	9/2/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	Blue
2009-IBW-104	Ridge Top	Natural Surface/ Packed Earth	Out-Slope	Trail Widening	Tree	0299 Facing E; 0300 Facing W	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Red
2009-IBW-105	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0301 Facing E; 0302 Facing W	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Red
2009-IBW-106	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0066 Facing E; 0067 Facing W	8/31/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-107	Ridge Top	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	0074 Facing N; 0075 Facing S	8/31/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	Blue
2009-IBW-108	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0082 Facing N; 0083 Facing S	8/31/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	N/A
2009-IBW-109	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0124 Facing S; 0125 Facing N	9/1/2009	Irondequoit Bay West	>25%	68-90% Very Low Degradation Potential	N/A
2009-IBW-110	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0135 Facing W; 0136 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-145	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0951 Facing S; 0952 Facing S	8/30/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-146	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>	0927 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-147	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Soil Displacement	<Null>	0928 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	Blue
2009-IBW-148	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0969 Facing N; 0970 Facing N	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-149	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0989 Facing S; 0990 Facing N	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-150	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-151	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-152	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	21-25%	<Null>	N/A
2009-IBW-153	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree		150 9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-154	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	Culvert	0157; 0159; 158 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-155	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	<Null>	0181 Facing W; 0182 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-156	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	<Null>	0185 Facing W; 0186 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-157	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	NY State Concrete Markers		199 9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-158	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0232 Facing W; 0233 Facing E	9/2/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	Green
2009-IBW-159	Ridge Top	Natural Surface/ Packed Earth	Out-Slope	Trail Widening	<Null>	0236 Facing W; 0237 Facing E	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Green
2009-IBW-160	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0264 Facing W; 0265 Facing E	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Blue
2009-IBW-161	Mid-Slope	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0275 Facing W; 0276 Facing E	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Blue
2009-IBW-162	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0290 Facing E; 0289 Facing W	9/2/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	N/A
2009-IBW-163	Ridge Top	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0035 Facing N; 0034 Facing E	8/31/2009	Irondequoit Bay West	11-15%	23-45% High Degradation Potential	N/A
2009-IBW-164	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0036 Facing W; 0037 Facing E	8/31/2009	Irondequoit Bay West	5-10%	23-45% High Degradation Potential	N/A
2009-IBW-165	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0038 Facing W; 0039 Facing E	8/31/2009	Irondequoit Bay West	16-20%	23-45% High Degradation Potential	N/A
2009-IBW-166	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0040 Facing N; 0041 Facing S	8/31/2009	Irondequoit Bay West	>25%	23-45% High Degradation Potential	N/A
2009-IBW-167	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0078 Facing N; 0079 Facing S	8/31/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-168	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0080 Facing N; 0081 Facing S	8/31/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	N/A
2009-IBW-169	Ridge Top	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0095 Facing W; 0096 Facing E	8/31/2009	Irondequoit Bay West	21-25%	0-22% Very High Degradation Potential	N/A
2009-IBW-170	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0101 Facing W; 0100 Facing E	8/31/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A
2009-IBW-171	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0116 Facing S; 0117 Facing N	9/1/2009	Irondequoit Bay West	>25%	68-90% Very Low Degradation Potential	N/A
2009-IBW-193	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0933 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-194	Ridge Top	Natural Surface/ Packed Earth	Neutral	Bike Jumps	<Null>	0953 Facing S; 0954 Facing E	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-195	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0967 Facing N; 0968 Facing N	8/30/2009	Irondequoit Bay West	21-25%	<Null>	N/A
2009-IBW-196	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0994 Facing S; 0995 Facing N	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-197	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0999 Facing N; 0998 Facing S	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-198	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	1000 Facing S; 1001 Facing E	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-199	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Bike Jumps	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-200	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	5-10%	<Null>	Orange
2009-IBW-201	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	11-15%	<Null>	N/A
2009-IBW-202	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-203	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-204	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Bike Jumps	<Null>	0950 Facing S; 0951 Facing S	8/30/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A
2009-IBW-205	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	House foundation	0215 Facing W; 0216 Facing E; 0217; 0218	9/2/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	Green
2009-IBW-206	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0248 Facing W; 0249 Facing N	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-207	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Erosion	<Null>	0268 Facing W; 0269 Facing E	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Blue
2009-IBW-208	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0062 Facing N; 0063 Facing S	8/31/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A
2009-IBW-209	Ridge Top	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0126 Facing S; 0127 Facing N	9/1/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	Orange
2009-IBW-231	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0991 Facing S; 0992 Facing N	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-232	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>	1002; 1003; 1004; 1005	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-233	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	N/A	8/30/2009	Irondequoit Bay West	5-10%	<Null>	N/A
2009-IBW-234	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	11-15%	<Null>	N/A
2009-IBW-235	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Bike Jumps	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-236	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Bike Jumps	<Null>		123 9/1/2009	Irondequoit Bay West	5-10%	<Null>	N/A
2009-IBW-237	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	Orange

Irondequoit Bay Park West - 2009

2009-IBW-238	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-239	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0148 Facing W; 0149 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-240	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0179 Facing W; 0180 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue
2009-IBW-241	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	<Null>	0191 Facing W; 0192 Facing E; 0193 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-242	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0197 Facing W; 0198 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-243	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0205 Facing S; 0206 Facing N	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-244	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Erosion	<Null>	0227 Facing S; 0226 Facing E	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Green
2009-IBW-245	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0258 Facing W; 0259 Facing E	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Blue
2009-IBW-246	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0260 Facing W; 0261 Facing E	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Blue
2009-IBW-247	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0271 Facing S; 0272 Facing N	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue
2009-IBW-248	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0281 Facing N; 0282 Facing E	9/2/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	Blue
2009-IBW-249	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0042 Facing N; 0043 Facing S	8/31/2009	Irondequoit Bay West	>25%	23-45% High Degradation Potential	N/A
2009-IBW-250	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0068 Facing S; 0069 Facing W	8/31/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-251	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0088 Facing W; 0089 Facing E; 90	8/31/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A
2009-IBW-252	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0112 Facing E; 0113 Facing W	8/31/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	N/A
2009-IBW-253	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0114 Facing S; 0115 Facing N	9/1/2009	Irondequoit Bay West	21-25%	68-90% Very Low Degradation Potential	N/A
2009-IBW-277	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	0926 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-278	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Soil Displacement	<Null>	0931; 0932 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-279	Ridge Top	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0955 Facing E; 0956 Facing E	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-280	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0976 F S; 0977 F N, 0978 F N; 0979 F S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-281	Ridge Top	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	0996 Facing N; 0997 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-282	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-283	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	Blue
2009-IBW-284	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	16-20%	<Null>	N/A
2009-IBW-285	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	Culvert	0168; 0169; 0170 Facing E; 0171; 0172	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue
2009-IBW-286	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	<Null>	0188 Facing W; 0187 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-287	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	Other Problem See Coments	<Null>		201 9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-288	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>		202 9/2/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	Green
2009-IBW-289	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	House foundation		214 9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-290	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0228 Facing S; 0229 Facing N	9/2/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	Green
2009-IBW-291	Ridge Top	Natural Surface/ Packed Earth	Neutral	Erosion	<Null>	0246 Facing S; 0247 Facing N	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-292	Ridge Top	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>	0288 Facing W; 0287; 0286; 0285	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue
2009-IBW-293	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0293 Facing E; 0294 Facing W	9/2/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A
2009-IBW-294	Ridge Top	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0295 Facing E; 0296 Facing W	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Blue
2009-IBW-295	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0311 Facing E; 0312 Facing W	9/2/2009	Irondequoit Bay West	>25%	23-45% High Degradation Potential	N/A
2009-IBW-296	Mid-Slope	Asphalt	Neutral	No Problem(s)	<Null>	0027 Facing N; 0028 Facing S	8/31/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A
2009-IBW-297	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0050 Facing N; 0051 Facing S	8/31/2009	Irondequoit Bay West	11-15%	68-90% Very Low Degradation Potential	N/A
2009-IBW-298	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0055 Facing N; 005 Facing S	8/31/2009	Irondequoit Bay West	16-20%	46-67% Low Degradation Potential	N/A
2009-IBW-299	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Muddy or Poorly Drained Areas	Tree	0056; 0057 Facing N	8/31/2009	Irondequoit Bay West	5-10%	23-45% High Degradation Potential	N/A
2009-IBW-300	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0064 Facing E; 0065 Facing W	8/31/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-301	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0076 Facing N; 0077 Facing S	8/31/2009	Irondequoit Bay West	16-20%	23-45% High Degradation Potential	N/A
2009-IBW-302	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0084 Facing N; 0085 Facing S	8/31/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	N/A
2009-IBW-303	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0093 Facing W; 0094 Facing E	8/31/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-304	Ridge Top	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0097 Facing W; 0098 Facing E	8/31/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-305	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0104 Facing W; 0105 Facing E	8/31/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-306	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Trail Widening	Tree	0106 Facing W; 0107 Facing E	8/31/2009	Irondequoit Bay West	>25%	23-45% High Degradation Potential	N/A
2009-IBW-307	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Bike Jumps	<Null>	0118 Facing S; 0119 Facing N	9/1/2009	Irondequoit Bay West	>25%	68-90% Very Low Degradation Potential	N/A
2009-IBW-308	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0120 Facing S; 0121 Facing S	9/1/2009	Irondequoit Bay West	>25%	68-90% Very Low Degradation Potential	N/A
2009-IBW-327	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0934 Facing S; 0935 Facing N; 0936 Facing W	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-328	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	0937 Facing E; 0938 Facing E	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-329	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0939 Facing S; 0940 Facing S	8/30/2009	Irondequoit Bay West	5-10%	<Null>	N/A
2009-IBW-330	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0945 Facing S; 0946 Facing S	8/30/2009	Irondequoit Bay West	16-20%	<Null>	N/A
2009-IBW-331	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0947 Facing S; 0948 Facing S	8/30/2009	Irondequoit Bay West	16-20%	<Null>	N/A
2009-IBW-332	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0958 Facing S; 0959 Facing S	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-333	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-334	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	Orange
2009-IBW-335	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-336	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	N/A	8/30/2009	Irondequoit Bay West	>25%	<Null>	N/A
2009-IBW-337	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Exposed Tree Roots	<Null>	N/A	8/30/2009	Irondequoit Bay West	0-4%	<Null>	N/A
2009-IBW-338	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree		147 9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-339	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0151 Facing W; 0152 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-340	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Trees	0177 Facing W; 0178 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Blue
2009-IBW-341	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Erosion	<Null>	0189 Facing W; 0190 Facing E	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A

Irondequoit Bay Park West - 2009

2009-IBW-342	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Other Problem See Coments	<Null>	200	9/1/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-343	Valley Bottom	Natural Surface/ Packed Earth	Neutral	Trail Widening	Tree	0203 Facing S; 0203 Facing N	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	Green
2009-IBW-344	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0220 Facing W; 0221 Facing E	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Green
2009-IBW-345	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0234 Facing W; 0235 Facing E	9/2/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	Green
2009-IBW-346	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0242 Facing W; 0243 Facing E	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Green
2009-IBW-347	Mid-Slope	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0250 Facing W; 0251 Facing E	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-348	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	Trail Widening	<Null>	0252 Facing W; 0253 Facing E	9/2/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-349	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0279 Facing W; 0280 Facing E	9/2/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	Blue
2009-IBW-350	Ridge Top	Natural Surface/ Packed Earth	In-Slope	No Problem(s)	<Null>	0303 Facing E; 0304 Facing W	9/2/2009	Irondequoit Bay West	11-15%	0-22% Very High Degradation Potential	Red
2009-IBW-351	Valley Bottom	Asphalt	Neutral	No Problem(s)	<Null>	N/A	8/31/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-352	Mid-Slope	Gravel	Neutral	Other Problem See Coments	<Null>	0031; 0030 Facing E; 0029 Side trail	8/31/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-353	Ridge Top	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0033 Facing N; 0032 Facing S	8/31/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	N/A
2009-IBW-354	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0044 Facing W; 0045 Facing E	8/31/2009	Irondequoit Bay West	0-4%	0-22% Very High Degradation Potential	N/A
2009-IBW-355	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0052 Facing N; 0053 Facing S	8/31/2009	Irondequoit Bay West	16-20%	46-67% Low Degradation Potential	N/A
2009-IBW-356	Mid-Slope	Natural Surface/ Packed Earth	Neutral	Trail Widening	<Null>	0060 Facing N; 0061 Facing S	8/31/2009	Irondequoit Bay West	>25%	0-22% Very High Degradation Potential	N/A
2009-IBW-357	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	No Problem(s)	<Null>	0086 Facing W; 0087 Facing E	8/31/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-358	Valley Bottom	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0108 Facing W; 0109 Facing E	8/31/2009	Irondequoit Bay West	5-10%	0-22% Very High Degradation Potential	N/A
2009-IBW-359	Mid-Slope	Natural Surface/ Packed Earth	Neutral	No Problem(s)	<Null>	0122 Facing S	9/1/2009	Irondequoit Bay West	>25%	68-90% Very Low Degradation Potential	N/A
2009-IBW-360	Valley Bottom	Natural Surface/ Packed Earth	Out-Slope	Muddy or Poorly Drained Areas	<Null>	0131 Facing W; 0132 Facing E	9/1/2009	Irondequoit Bay West	16-20%	0-22% Very High Degradation Potential	N/A

Irondequoit Bay Park West - 2012

2012-TP-72	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	0-4%	Bike Jumps	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-73	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	0-4%	Exposed Tree Roots	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)		11;48	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-74	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	Exposed Tree Roots	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-75	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)		11;56	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-76	Ridge Top	Natural Surface/ Packed Earth	Neutral	5-10%	Exposed Tree Roots	46-67% Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-77	Ridge Top	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)		12;00	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-78	Ridge Top	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-79	Ridge Top	Natural Surface/ Packed Earth	Neutral	5-10%	Exposed Tree Roots	46-67% Low Degradation Potential	No Cconstructed Feature(s)		11;05	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-80	Mid-Slope	Natural Surface/ Packed Earth	Neutral	11-15%	Erosion	23-45% High Degradation Potential	No Cconstructed Feature(s)		11;07	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-81	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-82	Valley Bottom	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-83	Valley Bottom	Natural Surface/ Packed Earth	Neutral	0-4%	Other Problem See Coments	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)	downed tree		11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-84	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	11-15%	Other Problem See Coments	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)	downed tree		11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-85	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	5-10%	Exposed Tree Roots	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)		11;29	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-86	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	5-10%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-87	Valley Bottom	Natural Surface/ Packed Earth	Neutral	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-88	Mid-Slope	Natural Surface/ Packed Earth	Neutral	5-10%	Trail Widening	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)		11;37	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-94	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	Other Problem See Coments	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)	downed tree		11/7/2012	Irondequoit Bay Park West	Blue
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2012-TP-96	Mid-Slope	Natural Surface/ Packed Earth	Neutral	11-15%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-97	Mid-Slope	Natural Surface/ Packed Earth	Neutral	0-4%	Bike Jumps	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)		14;27	11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-98	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	0-4%	No Problem(s)	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)			11/7/2012	Irondequoit Bay Park West	Blue
2012-TP-99	Mid-Slope	Natural Surface/ Packed Earth	Out-Slope	0-4%	Exposed Tree Roots	68-90% Very Low Degradation Potential	No Cconstructed Feature(s)		14;29	11/7/2012	Irondequoit Bay Park West	Blue







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2010-TP-236

2010-TP-097

2010-TP-193

2010-TP-094

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2010-TP-192

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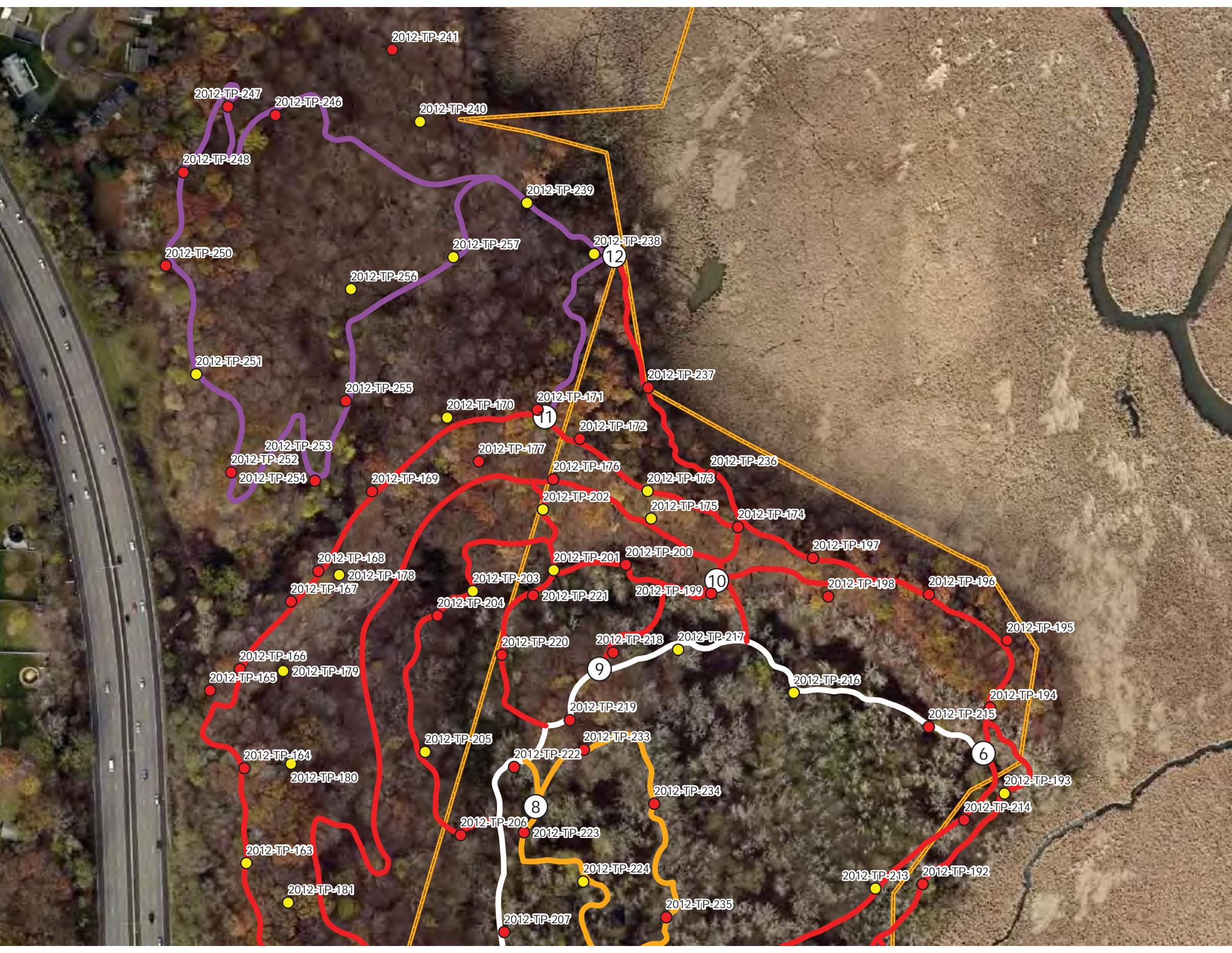
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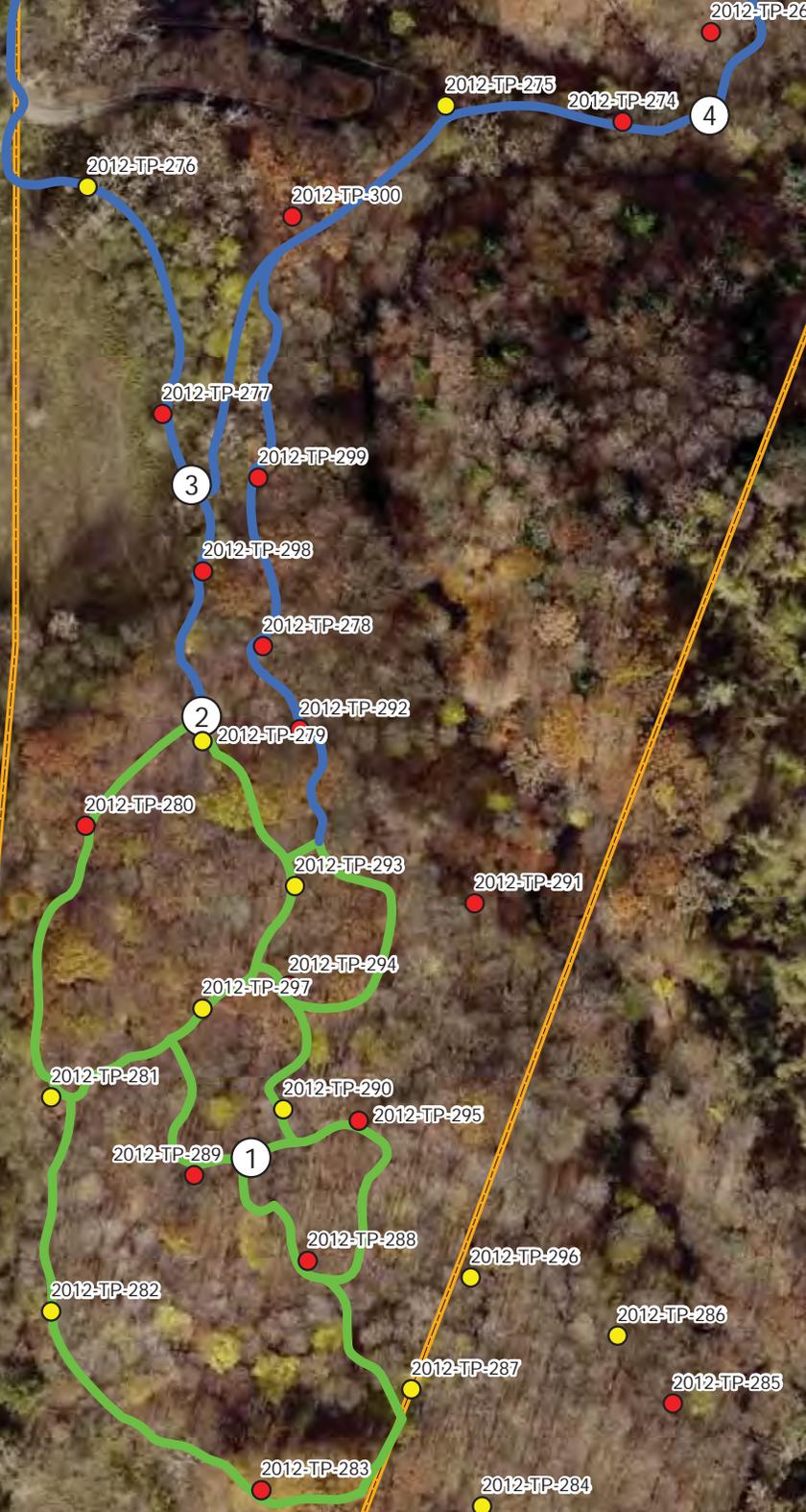
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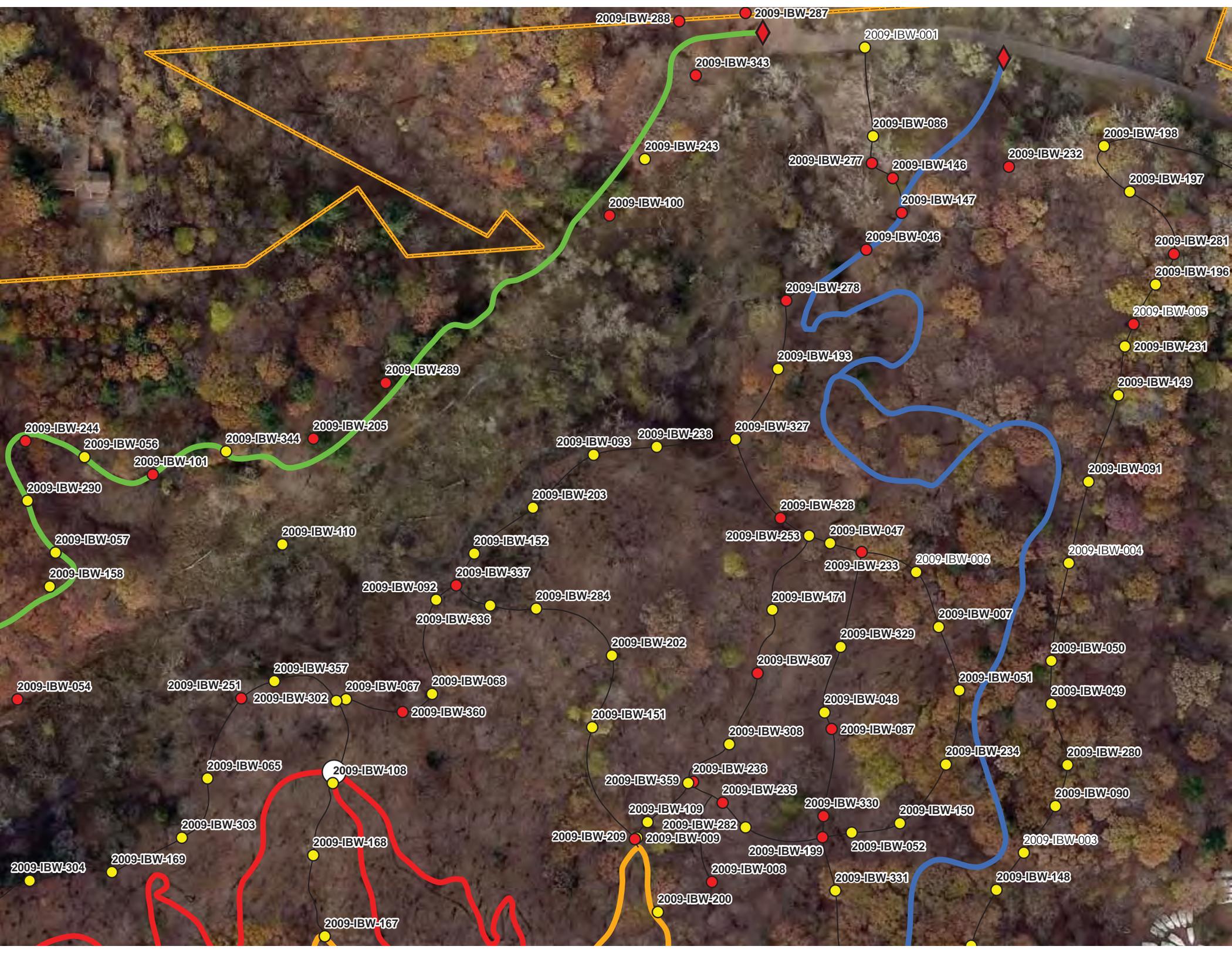
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2009-IBW-060

2009-IBW-292

2009-IBW-248

2009-IBW-018

2009-IBW-161

2009-IBW-207

2009-IBW-061

2009-IBW-160

2009-IBW-246

2009-IBW-245

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2009-IBW-247

2009-IBW-102

2009-IBW-097

2009-IBW-285

2009-IBW-098

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2009-IBW-240

2009-IBW-294

2009-IBW-104

2009-IBW-105

2009-IBW-350

2009-IBW-155

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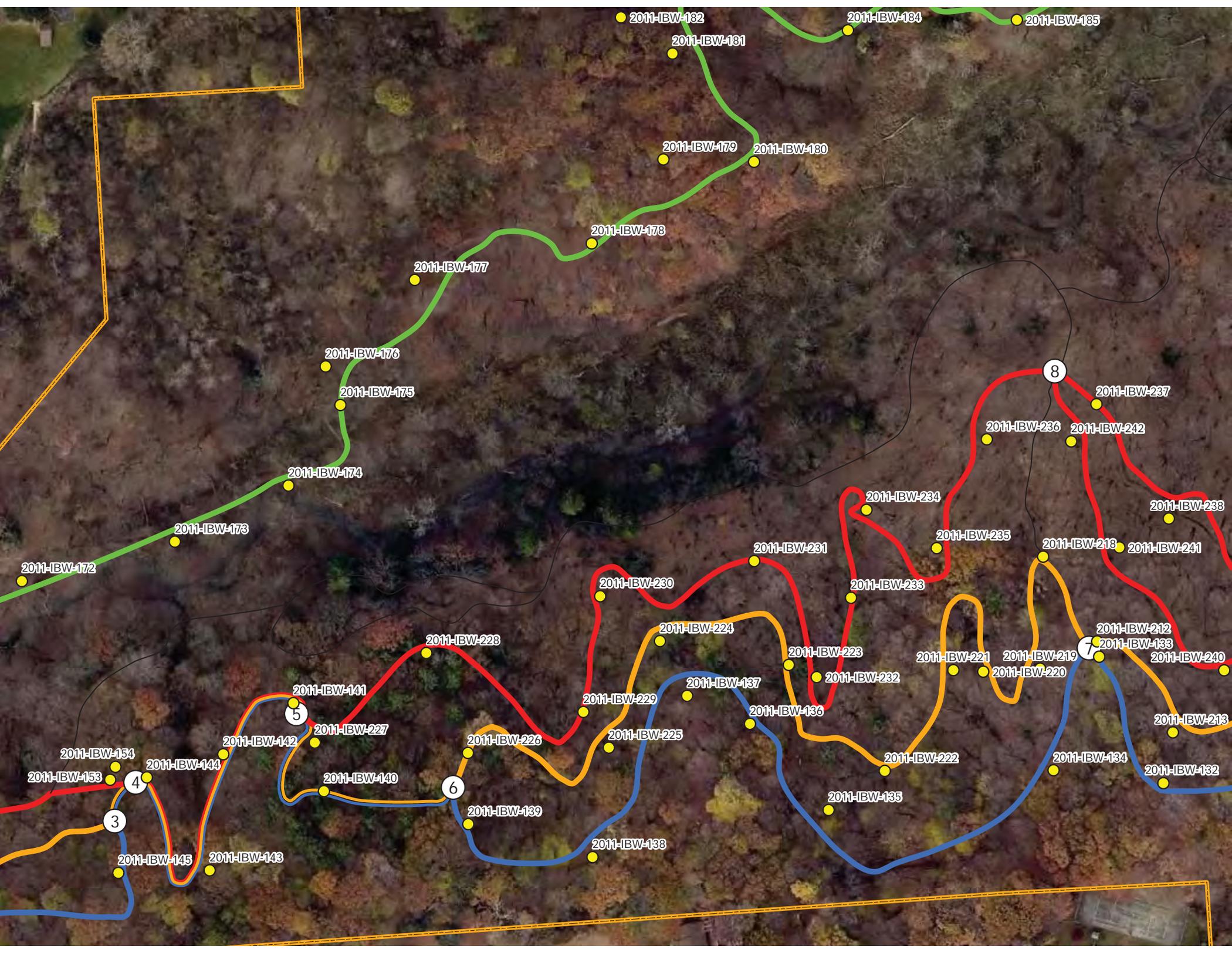
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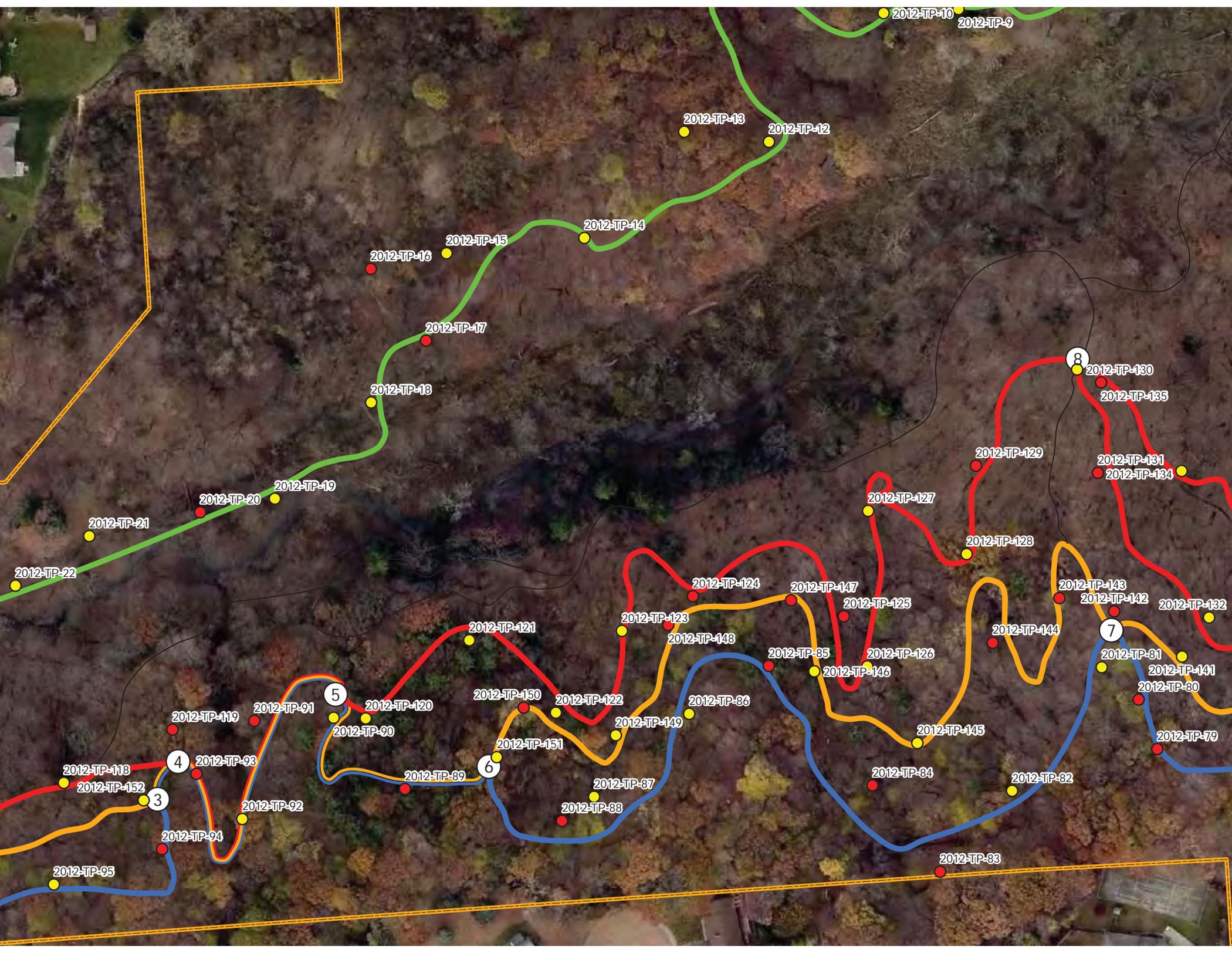
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2012-TP-99

2012-TP-98

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2012-TP-96

APPENDICES

Monroe County Shared Use Trails Pilot Program

APPENDIX D

Sustainable Trail Construction

Sustainable trails are defined by the US Forest Service as trails having a tread that will not be easily eroded by water and use, will not affect water quality or the natural ecosystem, meet the needs of the intended users and provide a positive user experience, and that do no harm to the natural environment.

Sustainable trails can be used by a variety of non-motorized users including hikers, trail runners, equestrians, off-road cyclists, and cross-country skiers. Motorized vehicles are normally prohibited unless operated by trail crews or a land manager.

Prior to constructing a new trail, need for the trail should be determined based on condition and routes of existing trails. Surveys should be conducted of trail users to determine user expectations and rudimentary design guidelines.

Natural surface trails are dynamic systems that are constantly being re-shaped by a complex set of human-caused and natural forces. To be sustainable, trails must strike a balance between multiple elements. Type of use, amount of use and user behavior combine with natural factors to determine trails impacts and long-term sustainability.

The following design guidelines can be adapted to specific site conditions including soil texture, slope, topographic position, existing vegetation, etc.

The guidelines are most useful for the planning and construction of new trails, but can also be useful for restoration and reconstruction of existing trails.

A. Width

Natural surface trails are usually a “singletrack” trail, with a tread width is typically 12”-36” . Trails are designed for users to travel single file. Overall clearing limits will be roughly three times the width of the tread, and the trail way will be roughly twice the width of the tread. Singletrack clearing limits are typically 6 feet wide and 8 feet high.

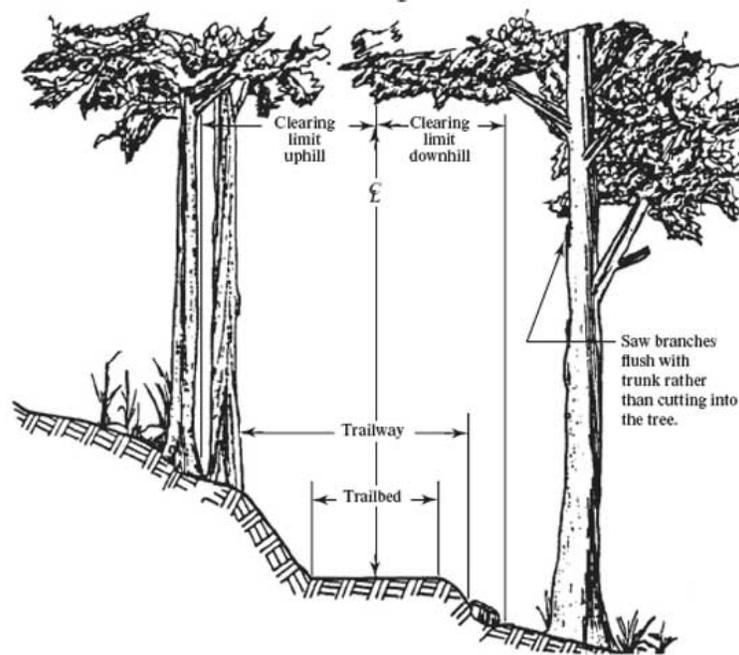
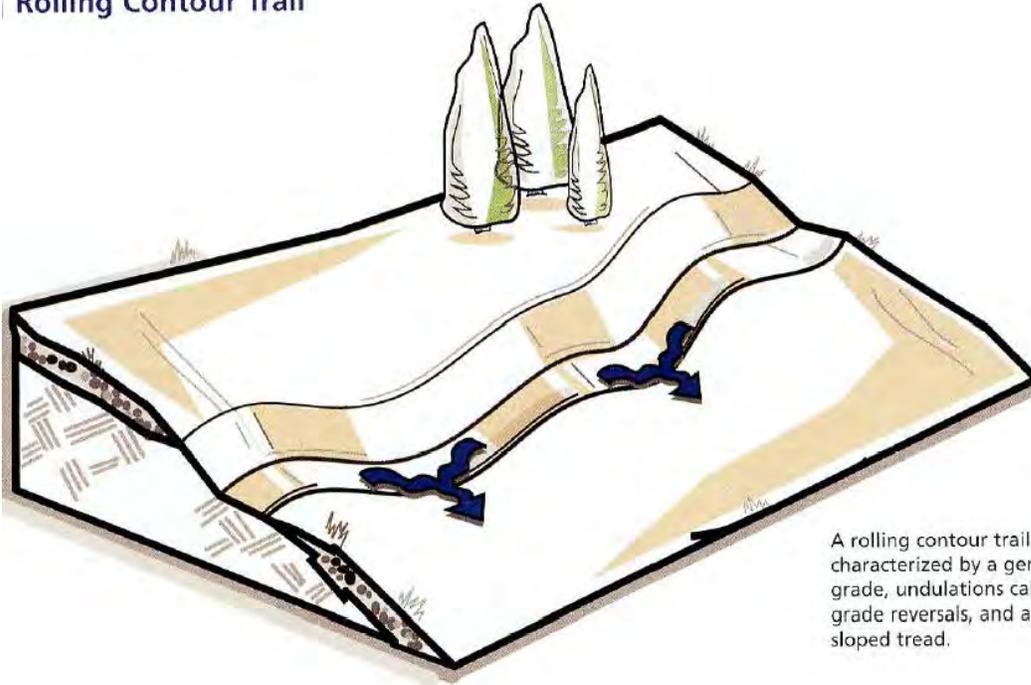


Image from “Trail Construction and Maintenance Notebook: 2007 Edition”

B. Rolling Contour Trails

Build paths to traverse hills cross-slope, characterized by a gentle grade and utilizing grade reversals and an outsloped tread. Trails should avoid following fall lines at all costs, and should always be constructed on at least a slight slope to allow for drainage.

Rolling Contour Trail



A rolling contour trail is characterized by a gentle grade, undulations called grade reversals, and an out-sloped tread.

C. Elements of Sustainable Trails

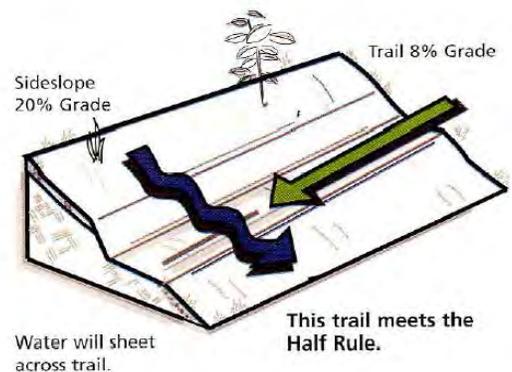
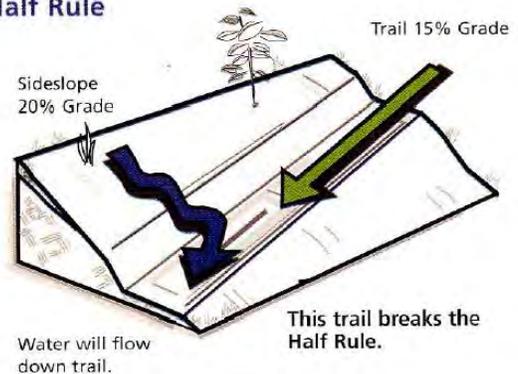
1. The Half Rule

Trail grade should never exceed half the grade of the hillside the trail traverses. Trails that exceed half the sideslope are considered fall line trails and funnel water, destroying the trail and causing greatly increased erosion.

2. The Ten Percent Average Guideline

Trail grade should average 10 percent or less for the length of the trail. Average grade should be calculated by dividing total elevation gain by total length, multiplied by 100. For trail conditions without sustained

Half Rule



elevation gain, average trail-segment grades should be calculated in areas where the trail climbs. An average 10 percent slope will allow for a stable, erosion free slope for most soil types caused by both water and users.

3. Maximum Sustainable Trail Grades

Maximum grades are considered to be the steepest section trail 10 feet or more in length. Maximum grades varies depending on the following factors:

- a. The grade of the existing sideslope
- b. Existing soil type
- c. Existing solid rock
- d. Annual rainfall amount
- e. Liberal use of grade reversals
- f. User groups / numbers
- g. Designed difficulty

4. Grade Reversals

Grades reversals are areas of a climbing trail levels, changes directions, drops slightly down slope for 10-50 linear feet, and rises again. Grade reversals should be used on any trail climbing or traversing a sideslope, and should occur on average every 20-50 feet.

Grade Reversal



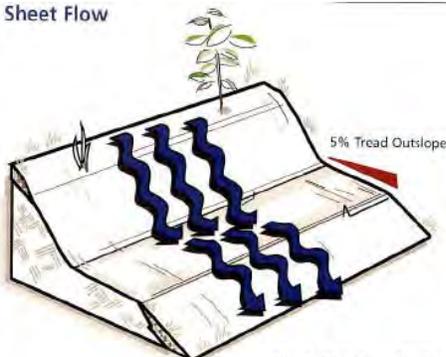
5. Outslope

Trails that traverse or climb a sideslope should always be graded so that the tread slopes slightly down and away from the high side of the slope. Creating an outslope will allow water to sheet flow across the trail and down the slope rather than funneling and creating ruts. A 5-percent cross slope is considered best when grading an outslope. If the soil type is loose where the trail is constructed, numerous grade reversals will be necessary to avoid erosion and maintain the tread and outslope.

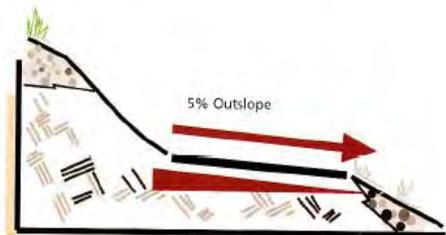
Outslope



Sheet Flow



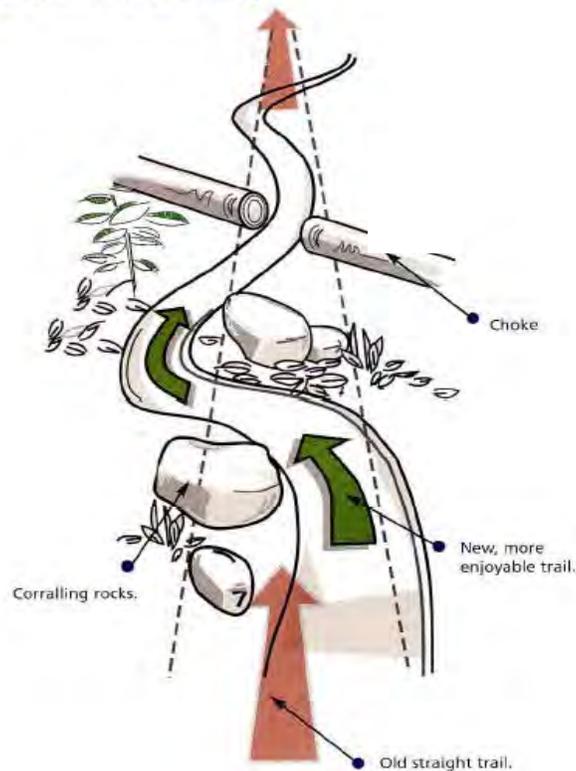
Above: An outsloped trail tread allows water to drain in a gentle, non-erosive manner called "sheet flow."



D. Design Speed

Managing user speed on trails designed for mountain bikers is best done with design elements. Trails which are constructed with many turns and grade changes will allow users to feel that they are moving faster than they are. Large, concrete objects should be used to define trail edges and turns; often boulders, logs, and plants work best. Objects should serve as both physical and visual barriers. Chokes should be created when the trail is approaching a point where users will need to slow down; examples include intersections, stream crossings, or merging trails. Chokes are points in the trail where the tread narrows to force reductions in speed. These areas should appear to be natural and well defined to avoid users defining their own paths.

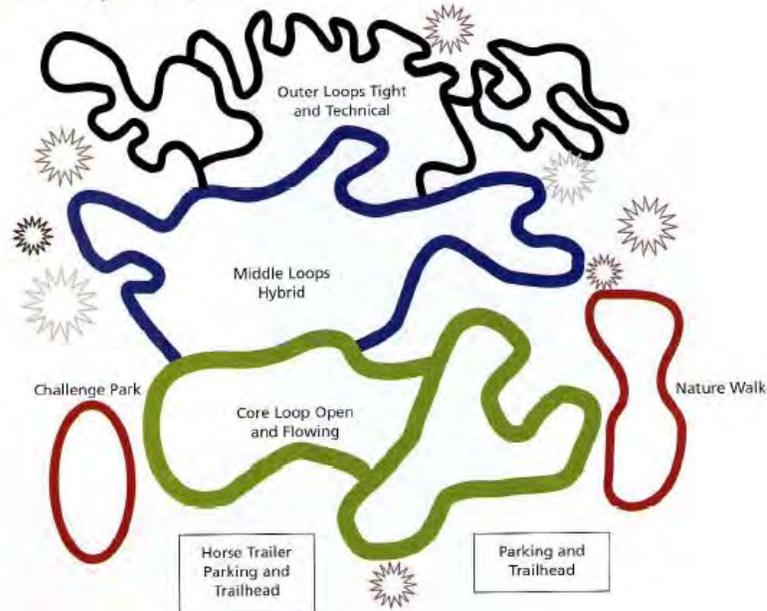
Chokes and Corraling



E. Trail System

Unless designing a single-user trail system, a system of looped trails should be designed to accommodate a variety of users. Main entry trails should be smooth and wide to appeal to all users, and provide either a standalone loop for beginners or a jump-off point for more advanced users. These primary trails may have a gravel surface to provide for accessibility and wet-weather use. Designing a trail system with multiple trailheads also allows for better control of user-conflicts and spreads traffic more evenly over a trail system. Restricting challenging trails to secluded and more difficult terrain will please all site users. Maintaining turns and choke points along all trails will continue to control speed and cut down further on potential user-conflicts.

Stacked Loop Trail System



F. Bench Cut Trails

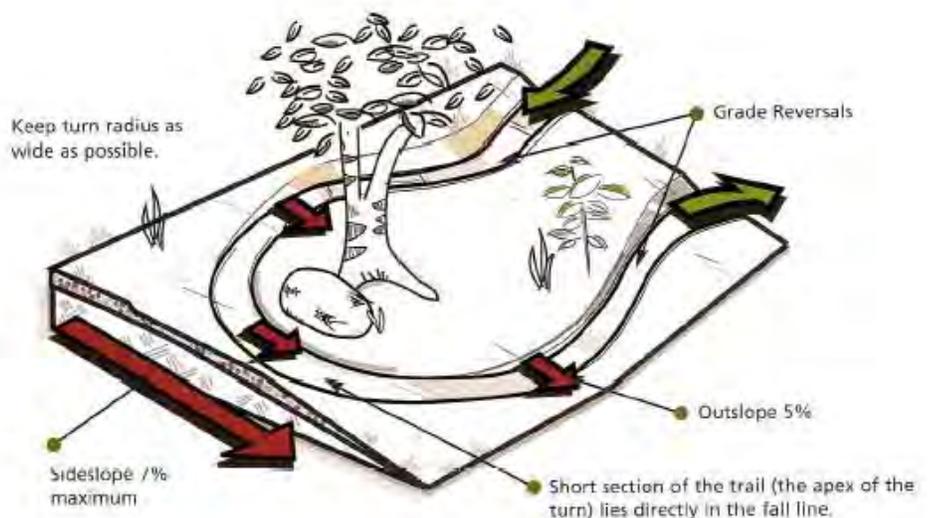
To create a durable and sustainable tread, creating a full bench trail is the most recommended option. The entire trail surface is compacted, native mineral soil with rounded and compacted backslope and downslope fill. Partial bench cut treads are a second option but should only be constructed as a last resort, as half of the tread is compacted fill, which does erode easily over time and often fails to compact. Partial bench treads are not considered to be a form of sustainable trail construction.

G. Turns

1. Climbing Turns

To be used on sideslopes of 7 percent or less as the trail will briefly follow the fall line, increasing the chance for erosion. Design the turning radius with a minimum width of 20 feet with natural barriers placed on the inside of the trail curve to control users speed and keep them on trail. Construct grade reversals above and below the curve to minimize water flow on the fall line. Construction of a choke point on the high side of the curve will also lessen user-wear erosion by reducing user speed on the curve.

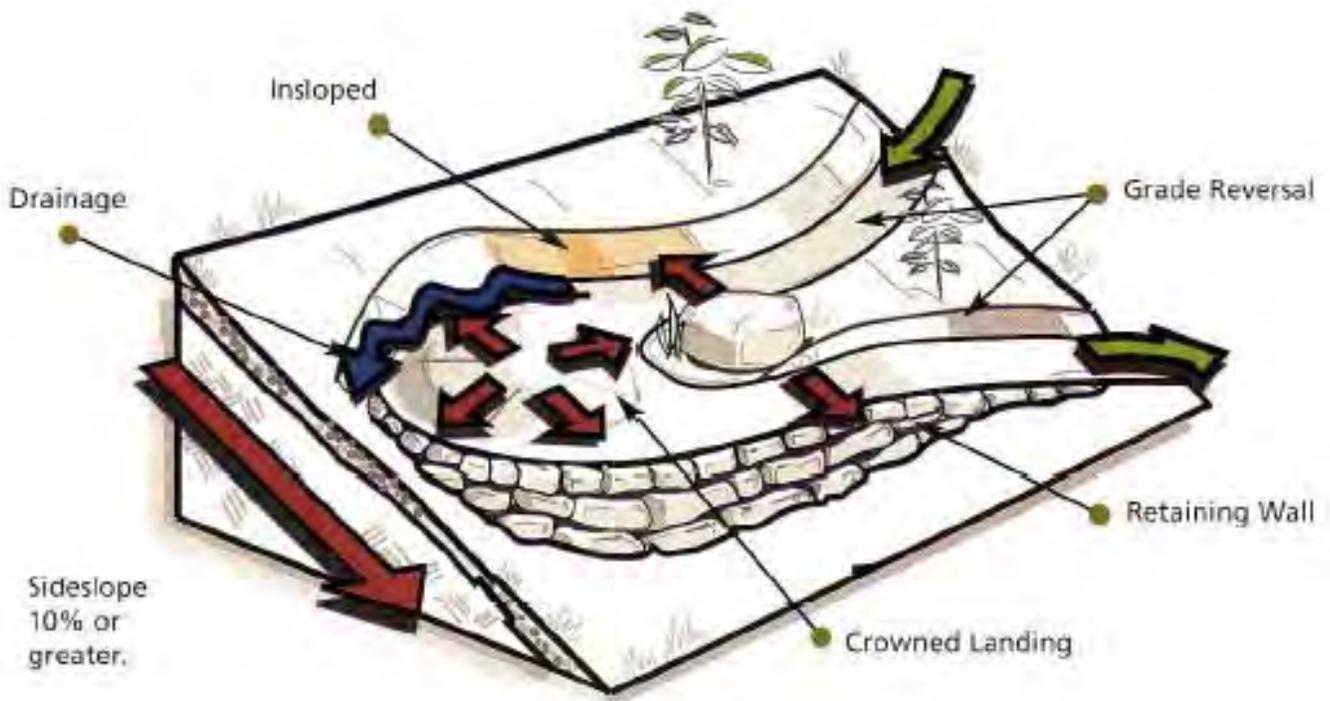
Climbing Turn



2. Switchbacks

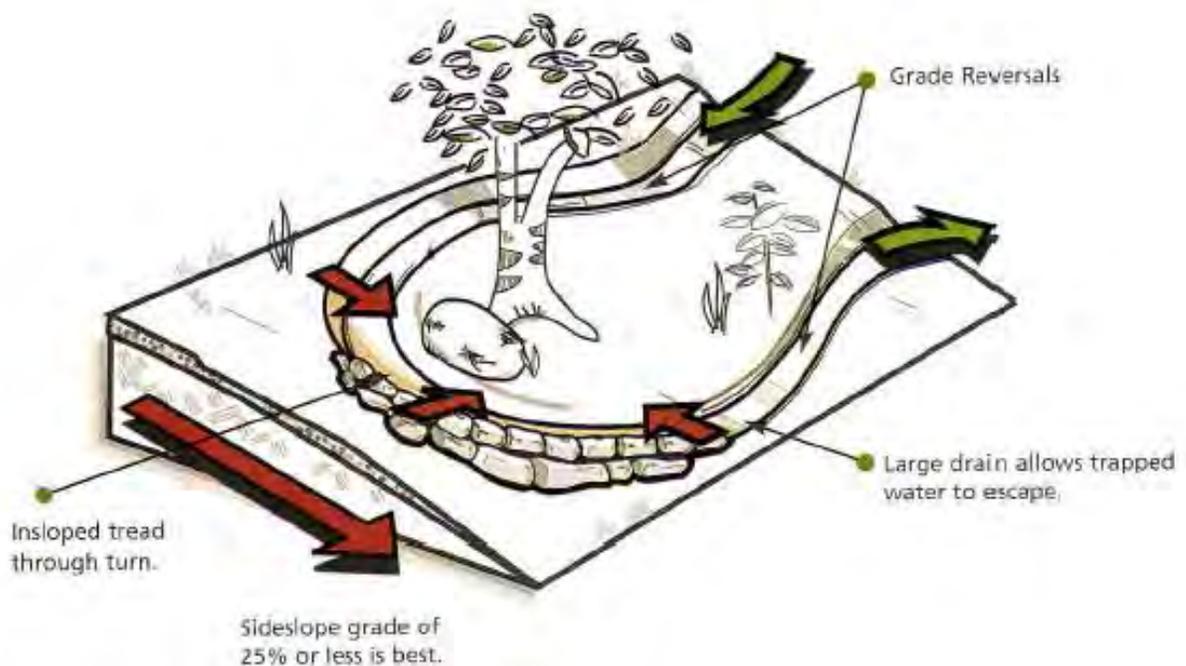
A rolling crown switchback is similar to a climbing turn but is used on steep slopes and involves construction of a retaining wall to create a mounded, level platform at the apex of the curve. Construct the upper trail tread insloped toward the high side of the slope to drain water across the top of the curve and prevent it from sheeting to the lower trail. The lower tread should be outsloped as in usual construction. Fill from excavating the upper tread is used to construct the turning platform, and is compacted and mounded for even drainage. A retaining wall should be constructed of stone found on site or large timbers, preferably treated or found on site. Grade reversals should be used above and below the curve to minimize water flow on the switchback itself. Switchbacks should be staggered as a trail ascends a slope to prevent users from creating shortcuts and disperse water flow more evenly along the hill.

Rolling Crown Switchback



3. Insloped Turns

In situations where users are or are predicated to cause lateral displacement of tread material, construction of an insloped turn is recommended. Properly designed and constructed insloped turns will improve tread life by reducing skidding and soil displacement by improving user flow along the trail. Curve banks of an insloped turn should be very well compacted and constructed in layers to prolong tread life and minimize soil displacement. A well designed grade reversal above the curve is necessary to reduce water flowing down slope. Construct a choke point above the turn as users can traverse an insloped turn with greater speed than switchbacks or climbing turns. Vegetation should be kept low in the center of the curve to maintain sightlines from the upper trail to lower trail.

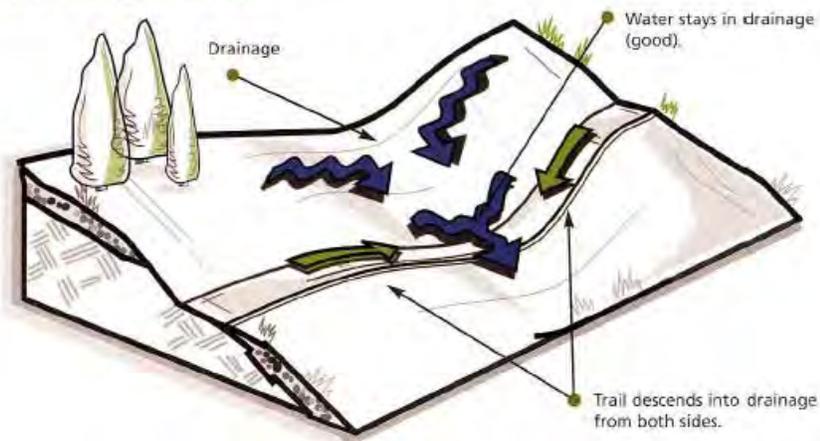


Insloped Turn

H. Water Crossings

If at all possible, water crossings should be avoided or minimized due to water quality issues, impact to stream or river ecosystems, increased chance of erosion, cost, and safety of users and trail crews. If a water crossing is necessary, it should be carefully sited at a riffle point and where banks slope gently to the water. Sideslopes where water crossings are located should be a maximum of 8 percent. Trails entering a water crossing should always descend into the crossing and include well designed and constructed grade reversals to prevent sediment from washing down the trail into the watercourse.

Proper Drainage Crossing



1. Fords

Well-constructed fords in streams that have a depth of less than 3 feet during high water will last for decades with minimal maintenance and will have little impact on the surrounding ecosystem if properly constructed. Fords should be built in wide, shallow portions of the watercourse and mimic the bed and width of the stream. The constructed tread should be level and made of rock found on site. The US Forest Service recommends placing rocks a minimum of 130 lbs downstream of the crossing to keep the tread in place. Rocks of a similar size should be placed in the tread 12 inches apart, upstream, to provide a stepping-stone crossing. The tread should be constructed of gravel and rock smaller than 3 inches in diameter. Armoring the approaches to the crossing with rock for a minimum of 12 inches past the high water line will further minimize erosion.

2. Culverts

Culverts can be successfully used in trail construction when properly sized and designed. Culverts must be sized to match or exceed the channel width, match existing slope, and should be sunk into the stream bed to allow a natural bed surface to form. It is imperative that a culvert's width matches or exceeds the channel width to prevent flow constriction, increased stream velocity, and blockage. Culverts can be constructed of pipe or of rock found on site. Culverts are among the most often failing water crossing, and should be carefully designed and maintained annually to prevent debris accumulation and blockage. A minimum of 12 inches of fill above the crossing is desired, and large boulders should be placed upstream to armor the edges of the crossing to prevent undercutting of the tread and water flow around the pipe.

3. Bridges

In areas where the watercourse is too deep or wide to allow for safe construction of a ford or culvert, bridges may be necessary. Bridges may range from log foot bridges to complex suspended or truss structures. Use of handrails is always recommended no matter a bridge's length, and an engineer should inspect all bridge plans prior to construction and use.

I. Reassurance Markers

1. Trail Blazes

Trail blazes should be used if the correct trail path is not obvious or if it may be covered with snow at any point of the year. Blazes should be placed as often as necessary, and should be clearly visible from any point where the trail could be lost.

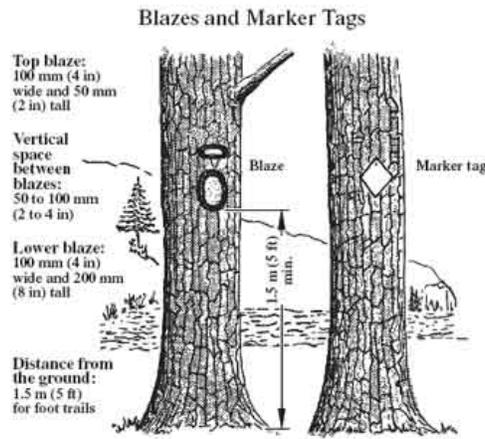


Image from "Trail Construction and Maintenance Notebook: 2007 Edition"

2. Cairns

Cairns are carefully constructed pyramids of rock that should be a minimum of 35 inches tall. They used be used in open areas where low visibility or snow cover may cause the tread to become difficult to follow or lost.

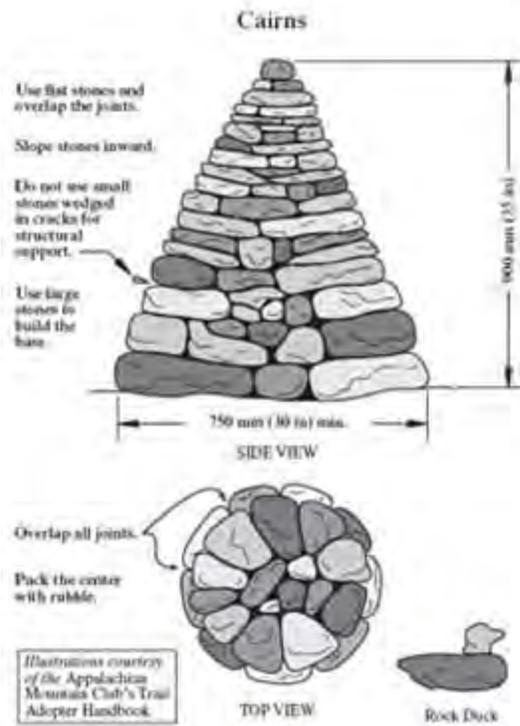


Image from "Trail Construction and Maintenance Notebook: 2007 Edition"

References:

Hesselbarth, Woody. Trail Construction and Maintenance Notebook: 2007 Edition. July 2007. <http://www.fhwa.dot.gov/environment/fspubs/07232806/index.htm>

International Mountain Bicycling Association. 2004. Trail solutions: IMBA's guide to building sweet singletrack. ISBN: 0-9755023-0-1. Boulder, CO: International Mountain Bicycling Association. 272 p.

All images from Trail Solutions unless otherwise noted.

APPENDICES

Monroe County Shared Use Trails Pilot Program

APPENDIX E



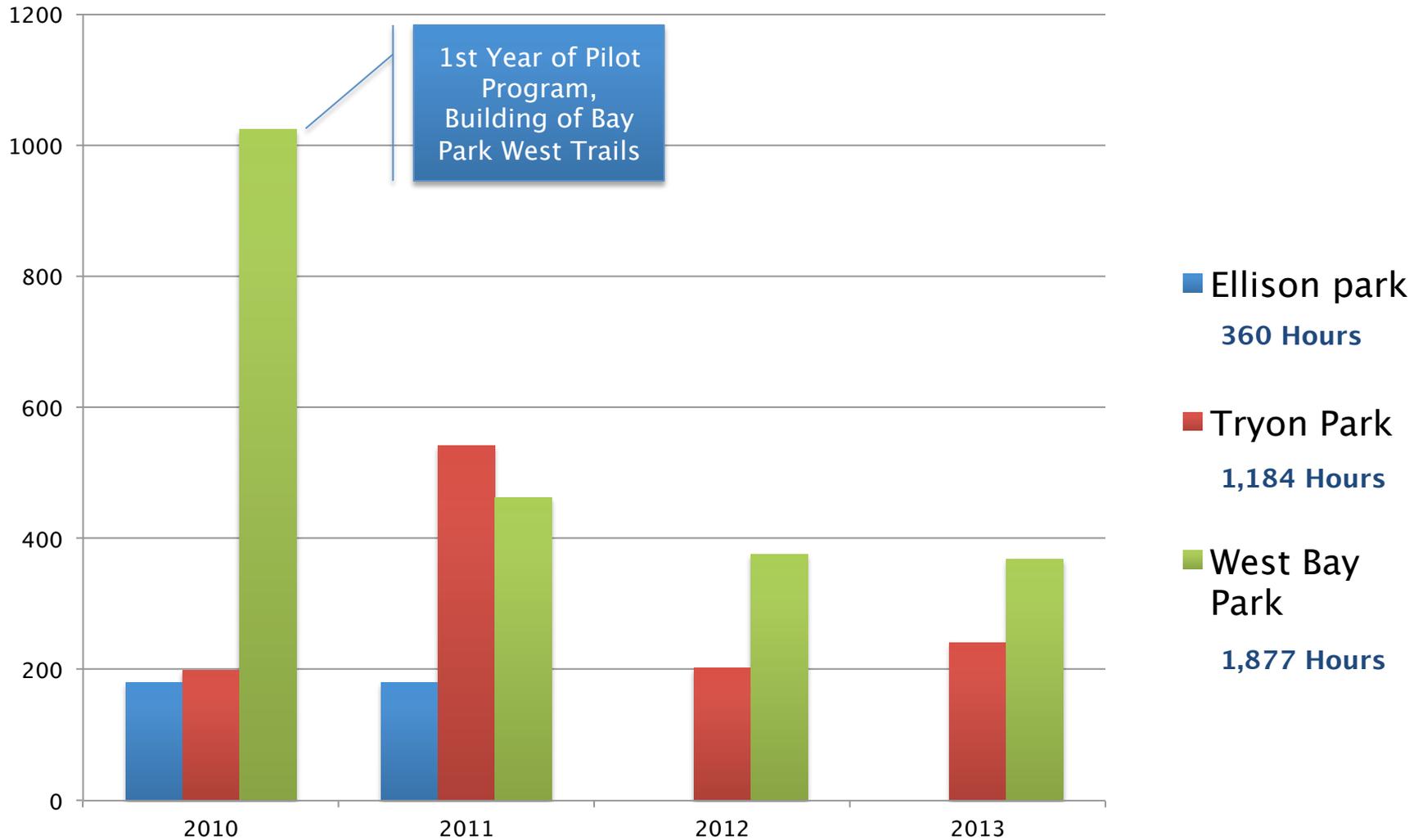
GROC
GENESEE REGIONAL OFF-ROAD CYCLISTS

building shared-use trails
myGROC.com



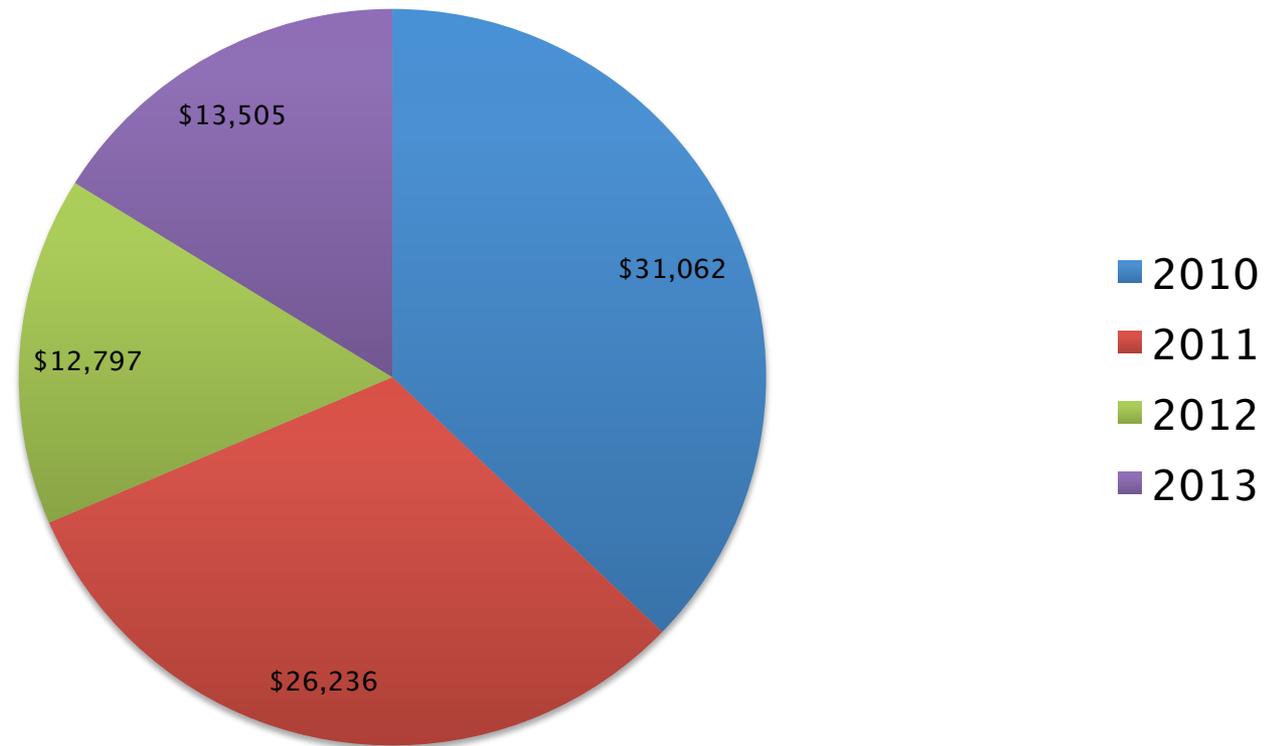
2014 Report on GROC Trail Work In Tryon & Bay Park West

Volunteers Hours Recorded By Year - 3,776



Value Of Volunteers Tryon West Bay Since 2012 - \$83,061

Based on National Volunteer Hourly rate - independentsector.org



Bay Park West



1/28/14

Genesee Regional Off-Road Cyclists G.R.O.C. PO BOX 25674 Rochester NY 14625

Projects Done By GROC Volunteers Bay Park West

- **Trail Design / Signage**
 - Trails were laid out and designed by GROC along with Monroe County Parks Department
 - GROC provided Trail Map coding and layout
 - Mobile Map application developed by GROC given free to public
- **Benching**
 - All sections of trail that required benching
 - In Bay Park West there is significant elevation and benching was required on every trail.
- **Trail Entrance Fish and Game**
 - Major retaining wall done to create sustainable switch back for main trail entrance
 - Mitigation of lower muddy areas using raised crusher stone paths
- **Trail Entrance Orchard Park Blvd**
 - Design and benching of main entrance off parking lot
 - Installation of 6x6 wit 4ft rebar to secure edges of main trail entrance



Bay Park West

- **Bridges**

- Design and building of 6 bridges within the park
 - 4 bridges off home wood Trail Entrance
 - Large Bridge on Green trail over ravine
 - Large Bridge on Green to connect to old trolley bed
- GROC supplied all materials and labor



Projects Done By GROC Volunteers Tryon Park

- **Trail Design / Signage**
 - Existing trails were marked and mitigation and re-routing of unsustainable trails was done
 - New trails were designed and built to take offline old unsustainable trails
 - All Blazes and signage was donated and put up by GROC
 - Trail Map coding and layout
- **Trail Entrance Tryon Road**
 - New trails established to enter park
 - Established new substitutable trail from top of Tryon to the bottom as part of training with IMBA Trail Crew (International Mountain Bike Patrol)
- **Bridges**
 - Design and building of 3 bridges within the park
 - Armoring wet areas in several location
 - GROC supplied all materials and labor
- **Clean up**
 - Tryon Park was used for years and gathered a lot of trash
 - GROC volunteers cleaned up the park and removed



Tryon Park

GROC Sponsored IMBA Trail Crew

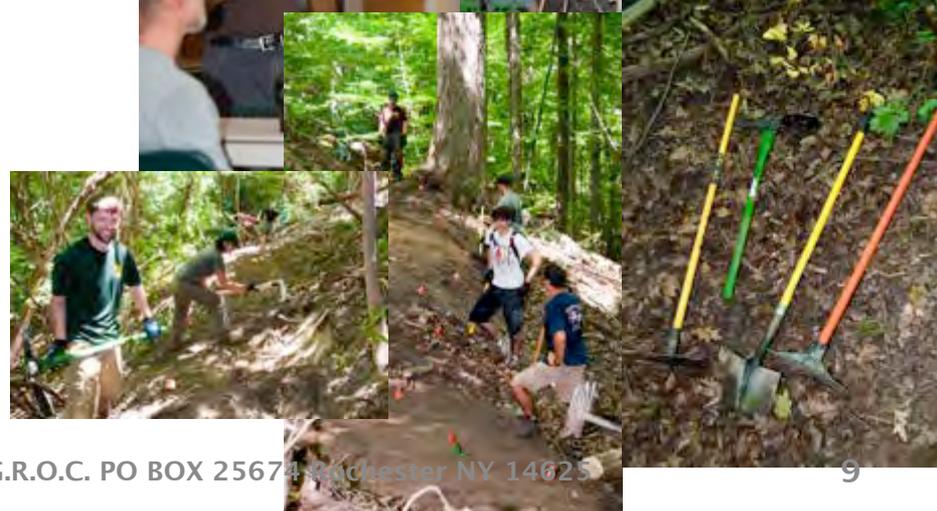
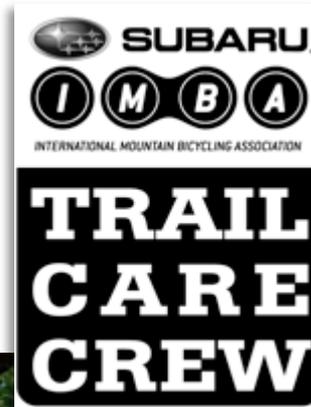
2012 Subaru IMBA Trail Crew join us in Rochester for 3 days of Training and presentations on Sustainable Trail Building.

Land Managers from Monroe County Parks, Victor Parks, Penfield, and other local trail clubs attended training with the IMBA Crew

The hands on project portion of training was done in Tryon Park. This created a new sustainable trail from the top of Tryon parking area to the bottom, taking off-line a fall line trail that is dangerous and continually eroding.,



INTERNATIONAL MOUNTAIN BICYCLING ASSOCIATION



GROC Volunteers Hours Recorded By Year & Park

Number of Volunteer hours Since 2008 - 8,035.45

