

Minnewaska State Park Preserve Trail Assessment Report

May 2011



**New York State Office of Parks, Recreation and
Historic Preservation**

Acknowledgements

The Minnewaska State Park Preserve Trail Assessment Report is produced as a follow up action to the Minnewaska State Park Preserve Master Plan/Final Environmental Impact Statement – Appendix B Trails Plan. This report is a result of the Office of Parks, Recreation and Historic Preservation (OPRHP) staff efforts and volunteer efforts by the New York-New Jersey Trail Conference. OPRHP acknowledges the time and effort of each individual involved.

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I. Introduction

The Final Trails Plan for Minnewaska State Park Preserve (MSPP) 2010 was produced in conjunction with and as a supporting document to the 2010 MSPP Master Plan/Final Environmental Impact Statement. The Trails Plan document provides an existing inventory of footpaths, wood roads and carriage roads, some general trail maintenance recommendations based on staff knowledge, and recommended modifications to the existing system. Additional trail opportunities are identified for recent acquisition properties. The plan describes interpretive programs offered at the Preserve, as well as future opportunities and coordination efforts with user groups for development and maintenance of the trail system. Also included are sections on trail standards and an evaluation, assessment and monitoring process to be used in trail development and trail modification (Note: this process has been modified since publication of the Trails Plan. Refer to Chapter III. Implementation of this report for the latest approved process.)

The Trails Plan identified the need for a conditions assessment of all footpaths and wood roads within the Preserve. The New York-New Jersey Trail Conference (NYNJTC) currently maintains all footpaths within the Preserve, except for the foot paths within the technical rock climbing area at the Peter's Kill Area. Volunteers perform annual visual assessments and general clearing and maintenance of trails. A documented and more formalized assessment process was desired to ascertain conditions of the trails (footpaths and wood roads) and document assets of the park.

The assessment was scheduled to occur in the Spring and Summer 2009 with the help of volunteers under the supervision of OPRHP staff. Trail assessment forms (**Appendix A**) and a trail assessment process were developed by the Planning Bureau staff in Albany. Volunteers and Preserve staff would be trained in methods for collecting survey data. Data collection would consist of taking waypoint locations using Global Positioning Systems (GPS) units and additional notes at site locations along each trail. Criteria for determining site locations included: issues with signage or blazing; trail tread conditions such as erosion, washouts, wet areas, and sections of excessive slope; structures such as bridges and culverts; and other natural, scenic or cultural resources found along the trail.

On August 4, 2009, 12 volunteers from the New York-New Jersey Trail Conference (NYNJTC) and three Preserve staff met at the yurt (near Lake Minnewaska) at MSPP for a Trail Assessment training conducted by three Planning Bureau staff. The training consisted of a PowerPoint Presentation and a hands-on component of how to utilize a clinometer and GPS Unit. NYNJTC graciously provided six Garmin Etrex Legend GPS units for the training as well as for the duration of the trail assessment process. OPRHP supplied six Suunto Clinometers as well as other materials for the assessments. After the training, the group was split into six smaller groups of 2-3 people each who performed condition assessments on a number of the trails within the Preserve.

Subsequently, from August through November 2009, the remaining footpaths and wood roads were assessed by volunteers and Preserve staff utilizing the same methodology. The assessment data was processed by Global Information Systems (GIS) staff in Albany. GIS staff consequently developed the trail assessment maps for this report. In addition to assessment points and notes taken at each site along the trail, photos were taken at select sites to document conditions and some structural remnants that were found.

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The report includes an inventory list and assessment of all footpaths and wood roads within the Preserve. The report also provides general recommendations for trail maintenance and identification of areas that may need further assessments. The report will be used by Preserve staff and volunteers to develop maintenance plans and priorities for the footpaths and wood roads.

Carriage roads are not included in this Trail Assessment Report. The carriage roads for MSPP and the Mohonk Preserve (which also has an existing network of historic carriage roads) underwent a thorough conditions assessment by Barton & Loguidice, P.C. in Fall 2008. An assessment report was provided in 2009 which included the development of standard construction details of the carriage road system, vegetation and drainage management recommendations, and standards for maintenance. The Preserve is developing a prioritization list of carriage roads and projects mostly based on the extent of disrepair of carriage roads, use levels, and on available funding for staffing, equipment and capital improvements of the carriage road network.

II. Inventory and Assessments

The assessment data points collected during August – November 2009 were transferred onto maps. For mapping and ease of viewing purposes, the Preserve was divided into four sections (**Figure 1** – Trail Assessment – Index Map). **Figures 2-5** – Conditions Assessments and **Figures 6-9** - Blazing and Signage Assessments depict the points at which data were collected. Each point is keyed to a table (**Appendix B** – Trail Assessment Data) to provide the detailed data and comment information from the original assessment forms.

The trail assessment process also captured an inventory and conditions assessment of culverts and bridges located along the trails. Additional comments regarding other features along the trails, such as waterfalls, caves, scenic viewpoints and structures, were also captured. These data points are depicted on **Figures 10-13** – Culverts, Bridges and Additional Comments and are also keyed to Appendix B.

The following sections provide inventory lists for footpaths and wood roads, assessment summary information and general recommendations for maintenance and upgrade of each trail. The assessment summary information is based directly on the assessment forms collected during this project. In a few cases, additional notes were written on the forms that were not specifically logged in under a Code Type or specific location and therefore may not be represented on the maps. This assessment information represents conditions found at a given time. Trail conditions may have changed and some general maintenance, such as removal of fallen trees and clearing of overgrowth, may have occurred since that time. The recommendations provided are very general and are to be used as guidance for determining maintenance work schedules. Specific and detailed maintenance measures to be taken for issue areas along the trails will need to be determined with further on-site inspections and assessments.

As noted in the tables below, routine trail maintenance may include blazing, clearing brush from the treadway or tree pruning, and maintenance of erosion control devices. Water management measures may include techniques such as de-berming, installation of knicks, rolling grade dips, waterbars, or culverts to divert water off trails. Although in many instances it is noted to consider rerouting, preference generally consists of utilizing as much of the existing alignment as possible with mitigation efforts. Site specific assessments will be conducted to determine the most appropriate action to be taken.

A. Footpaths

Table 1: Footpath Inventory, Assessment Summary and Recommendations

Trail Name	Length (miles)	Blazing	Assessment Summary	General Recommendations
Beacon Hill (BH)	0.70	Yellow	<ul style="list-style-type: none"> ▪ Trail found in very good condition. ▪ Many scenic vistas along the ridge. 	<ul style="list-style-type: none"> ▪ Routine trail maintenance, as necessary. ▪ Maintain scenic vistas.
Berry Picker (BP)	2.2	Blue	<ul style="list-style-type: none"> ▪ Intersection with Smiley CR lacking appropriate signage; some 'to destination' home-made signs in place; signage in good condition at intersection with High Point Trail. ▪ A few wet/muddy areas noted (30-40 ft. long); some trail widening occurring. ▪ An unimproved seasonal stream crossing noted with adequate stepping stones. 	<ul style="list-style-type: none"> ▪ Install/enhance intersection signage. ▪ Implement water management measures as appropriate. ▪ Monitor stream crossing.
Blueberry Run (BR)	2.2	Blue	<ul style="list-style-type: none"> ▪ Trailhead and some intersection signage in good condition; other intersection signage lacking. ▪ Blazing insufficient in several places. ▪ Many long sections of trail (40-450 ft. long) were noted as eroded and/or had standing water; some were noted with steep grades; some with water running alongside the trail; tread widening is occurring in some cases; roots are exposed in some places. ▪ Many stream crossings were noted each with stepping stones; some need additional stones placed. ▪ Bridge over Peter's Kill (45 ft. long) has some rotting boards that need replacing; another bridge has wearing/bending boards (two recently replaced). 	<ul style="list-style-type: none"> ▪ Install/enhance intersection signage. ▪ Refresh blazing. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Monitor stream crossings; consider additional rock placement if necessary or bridge construction. ▪ Replace rotting/bending boards on bridges.
Bull Wheel (BW)	0.50	White	<ul style="list-style-type: none"> ▪ Missing a trailhead sign. ▪ Blazes worn in some cases; hidden by branches. ▪ Some signs in good condition along trail; one sign post was wobbly. 	<ul style="list-style-type: none"> ▪ Install trailhead sign. ▪ Refresh blazing; cut back vegetation if needed for visibility. ▪ Stabilize/replace signage post. ▪ Upgrade side hill trail near bridge (details unknown).
Gertrude's Nose (GN)	2.7	Red	<ul style="list-style-type: none"> ▪ Signage was lacking at the intersection of the GN Trail and MM Carriage Road when coming from the GN Trail (signage was 	<ul style="list-style-type: none"> ▪ Install intersection signage that is visible for all directions of travel. ▪ Refresh blazing.

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			<p>only facing the opposite direction).</p> <ul style="list-style-type: none"> ▪ A few sections of trail were noted with insufficient blazing including along the rock face. ▪ Much of the trail runs along the ridge with continuous scenic vistas. ▪ A deep cave opening was noted along this trail. 	
High Peter's Kill (HPK)	2.8	Blue	<ul style="list-style-type: none"> ▪ Intersection signage with Bull Wheel Trail is in good condition. ▪ Insufficient blazing was noted in many areas (for one section blazing was only visible in one direction). ▪ Erosion was noted in several places affecting long sections of the trail. ▪ Two wash outs were noted – one near a 20 ft. drop. ▪ A few sections were noted with steep grades with roots exposed, erosion and/or wet areas along the trail. ▪ A couple of seeps were noted. ▪ Sections of the trail are overgrown with vegetation. ▪ A number of widow makers and fallen trees were noted. ▪ A number of erosion control devices along trail – some need maintenance (water bars, stone steps). ▪ Two wood bridges in need of deck or side rail maintenance. ▪ Side hill trail improvement needed near the bridge. ▪ Many scenic vistas noted along the trail. 	<ul style="list-style-type: none"> ▪ Refresh blazing. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Consider reroute at washout near 20 ft. drop for safety and sustainability concerns. ▪ Cutback/remove vegetation as necessary. ▪ Remove fallen trees from trail corridor. ▪ Maintain existing erosion control devices (water bars, stone steps). ▪ Replace decking and side rails on wood bridges as necessary. ▪ Maintain scenic vistas.
Jenny Lane (JL)	2.9	Aqua	<ul style="list-style-type: none"> ▪ Worn blazing and fallen trees noted on section north of Route 44/55. ▪ Erosion was noted in a few places; exposed rocks and roots; steep slope in some cases; trail widening noted in one section. ▪ Unmaintained water bars were located along a steep 100 ft. long section. ▪ Two unimproved crossings were noted. ▪ A 300 ft. long bridge is in good condition; others were noted as 	<ul style="list-style-type: none"> ▪ Refresh blazing north of Route 44/55. ▪ Remove fallen trees from trail corridor. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any side trails or any rerouted sections. ▪ Maintain water bars. ▪ Monitor stream crossings. Consider additional rock placement if necessary or bridge construction.

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			well in good condition.	
Meadow Paths	2.9	Orange and white	<ul style="list-style-type: none"> ▪ Trailheads near Lake Minnewaska and intersections with the carriage roads are unsigned. ▪ A couple of trail sections and trail intersections are insufficiently blazed and signed. ▪ The southern-most trail has multiple wet areas (some fairly large) potentially caused by seeps, ineffective culverts and lack of maintenance. ▪ A couple of junctions with the Upper Awosting Carriage Road are washed out. ▪ A couple of unmaintained side trails were noted. ▪ Many culverts are located along these trails; a number of them are clogged or broken and others are not sufficiently sized for the amount of water flow causing erosion across the trail tread. ▪ A wooden bridge is in good condition. ▪ Scenic vista points toward the Catskill Mountains were noted. 	<ul style="list-style-type: none"> ▪ Install intersection and directional signage. ▪ Refresh blazing. ▪ Consider whether southern-most trail should be closed due to wet conditions and parallel trail alignment. ▪ Implement water management measures, including culvert maintenance, as appropriate; consider rerouting if necessary; restore any rerouted sections.
Millbrook Mountain (MM)	1.2	Red	<ul style="list-style-type: none"> ▪ The southern half of this trail follows fall line and is eroded with some wet areas ending at an unimproved stream crossing at the bottom of the ravine. (Most of this section is located in the Mohonk Preserve.) 	<ul style="list-style-type: none"> ▪ Work with Mohonk Preserve to implement water management measures as necessary.
Mine Hole (MH)	3.6	TBD	<ul style="list-style-type: none"> ▪ No trailhead or intersection signage (currently undesignated trail). ▪ Cairns are located along rocky portions of the trail and were necessary to follow alignment in lieu of markers. ▪ Many unmarked side trails/Y junctions were noted along the route. ▪ Erosion was noted along numerous sections (up to 250 ft. long); extensive erosion in some cases and/or eroded to slab rock. ▪ A few wet areas were noted as well. ▪ A couple of culverts were noted; one with erosion occurring nearby; the other corroded but working. 	<ul style="list-style-type: none"> ▪ Trail to be designated per the Trails Plan (see Plan for details). ▪ Close side trails if not part of designated trail system. ▪ Implement water management measures, including culvert maintenance, as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Remove fallen trees from trail corridor and cut back/remove vegetation as necessary to trail standards. ▪ Assess stream crossings for proper trail placement and alignment, consideration of natural resources, and for rock placement or bridge requirements. ▪ Assess cabin structure through Historic Preservation.

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			<ul style="list-style-type: none"> ▪ Obstacles include many fallen trees and overgrown vegetation. ▪ A few unimproved stream crossings were noted. ▪ Old structures found include an old cabin and an old bridge and residential remnants (mattress, pots, fridge). ▪ Many scenic vistas were noted along the trail. 	
Mine Hole Extension (MHE)	0.70	TBD	<ul style="list-style-type: none"> ▪ No trailhead or intersection signage (currently undesignated trail). ▪ One section of trail had standing water and was obstructed by vegetation and boulders. ▪ One section along a stream had a dam to divert water into a pipe that was not connected (ineffective). ▪ One section of trail runs next to the property boundary line along a stone wall; the trail alignment is overgrown along portions of this section. ▪ A large fallen tree was noted across the trail. 	<ul style="list-style-type: none"> ▪ Trail to be designated per the Trails Plan (see Plan for details). ▪ Implement water management measures, including culvert maintenance, as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Remove fallen trees and clear vegetation from final trail alignment.
Mossy Glen Path (MG)	1.7	Yellow	<ul style="list-style-type: none"> ▪ Between the bridge and the parking lot was noted with insufficient blazing and trail widening. ▪ One 50 ft. long wet area was noted with trail widening occurring. ▪ A couple of slab rocks were noted as slippery. ▪ Three unimproved stream crossings were noted; one was noted as an unstable crossing. ▪ A bridge was noted in good condition but was eroded along the trail approach. 	<ul style="list-style-type: none"> ▪ Refresh blazing. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore side trails and any rerouted sections. ▪ Monitor stream crossings. Stabilize rocks in one crossing. Consider additional rock placement if necessary or bridge construction. ▪ Maintain approach to bridge.
Mud Pond Access (MPA)	0.35	TBD	<ul style="list-style-type: none"> ▪ This trail was noted as not actually connecting to the Scenic Trail; bushwhacking was necessary to make the connection. 	<ul style="list-style-type: none"> ▪ Cut back/remove vegetation as necessary to delineate trail connection to the Scenic Trail; coordinate with re-opening of original Scenic Trail around Mud Pond; re-sign intersection if necessary.
Old Minnewaska (OM)	1.7	Aqua	<ul style="list-style-type: none"> ▪ No trailhead signage at either end of trail. ▪ Trail is generally not very well blazed (blazes are worn). ▪ No intersection signage at Jenny Lane Trail. ▪ An undesignated trail and a gravel 	<ul style="list-style-type: none"> ▪ Install trailhead and intersection signage along trail. ▪ Refresh blazing. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore side trails and any rerouted sections.

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			<p>road cross the OM trail with no markings/signs.</p> <ul style="list-style-type: none"> ▪ Many short and long sections of erosion (some severe) and rutting were noted with side trails developing for users to avoid eroded or wet areas; a couple of sections had the stream entering onto and along the trail tread; rock exposure due to erosion was also an issue in a couple of areas. ▪ Standing water was noted in numerous places; one area was noted as marshy and another as located right next to a small pond. ▪ Obstacles include numerous fallen trees, widow makers, overgrown sections and one hole in the tread (possibly part of a gully). ▪ One culvert was noted as not functioning, needing clearing and causing overflow onto the trail. ▪ Five unimproved stream crossings were noted. 	<ul style="list-style-type: none"> ▪ Assess location of trail alignment in conjunction with marshy area and pond; consider raising trail tread or re-route. ▪ Remove fallen trees from trail corridor. ▪ Cut back/remove vegetation as necessary. ▪ Clear, reset, or replace culvert as necessary. ▪ Monitor stream crossings. Consider additional rock placement if necessary or bridge construction.
Point Lookout (PL)	0.93	TBD	<ul style="list-style-type: none"> ▪ No trailhead (except regulatory signage) or intersection signage or blazing (currently undesignated trail). ▪ One very steep eroded section was noted. ▪ Drainage alongside the trail is no longer working in a couple of sections; washouts are occurring in a couple of spots adjacent to trail tread. ▪ Side trails include trail to the adjacent Ukrainian property and an old road. 	<ul style="list-style-type: none"> ▪ Trail to be designated per the Trails Plan (see Plan for details). ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore side trails and any rerouted sections. ▪ Close side trails that are not part of the designated trail system. In particular, side trails that lead to private property should be closed, so as not to encourage trespass.
Rainbow Falls (RF)	2.0	Aqua	<ul style="list-style-type: none"> ▪ Trailhead and intersection signage needed. ▪ Blazing was noted as insufficient along one rocky section. ▪ Many steep and/or eroded sections were noted (25-110 ft. long); roots and rocks exposed; trail widening occurring. ▪ A “raging stream” crosses the trail in one spot; a number of social paths have developed to skirt the area. ▪ Many sections of trail were noted with standing water or were muddy (25-75 ft. long); water bars 	<ul style="list-style-type: none"> ▪ Install trailhead and intersection signage. ▪ Refresh blazing along noted section. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Consider realignment where stream crosses trail and near the waterfall; restore any closed sections. ▪ Maintain erosion control devices as necessary. ▪ Remove fallen tree from trail.

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			<p>ineffective or non-existent.</p> <ul style="list-style-type: none"> ▪ The trail near the waterfall has many stream crossings and is eroded; social trails have developed in the area. ▪ One fallen tree was noted across the trail. 	
Red Loop (RL)	0.86	Red	<ul style="list-style-type: none"> ▪ Trailhead signage was in good condition but orientation was confusing. ▪ Another sign was in good condition but was pulled out of ground; another has the letters peeling. ▪ Some intersections were lacking in signage and one section had worn blazing. ▪ Erosion, including severe erosion, was noted in a couple of places, one affecting about 0.2 miles of the trail. ▪ A water bar was sunk along the trail and in need of maintenance. ▪ Obstacles included fallen trees and overgrown vegetation in one section. 	<ul style="list-style-type: none"> ▪ Improve trailhead and intersection signage. ▪ Repair/replace other trail signage. ▪ Refresh blazing. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Maintain erosion control devices. ▪ Remove fallen trees in trail corridor. ▪ Cut back/remove vegetation as necessary.
Scenic Trail (ST)	4.3	Aqua	<ul style="list-style-type: none"> ▪ Intersection signage with other trails is lacking (some designated; some wood roads into Awosting Reserve area). ▪ Blazes need refreshing; blazes on private property painted over with grey. ▪ Many wet/muddy areas along the trail. ▪ Bog bridges (near Mud Pond) (12 sections) – bridges generally in good condition; some sections of trail have standing water or are muddy. ▪ Fallen tree noted across trail. ▪ Unimproved stream crossing could use more stepping stones or a small bridge. ▪ Trail alignment goes through overhang cave area; short marked loop trail found near this area. 	<ul style="list-style-type: none"> ▪ Install intersection signage. ▪ Refresh blazing. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Per Trails Plan, trail is to be re-aligned south of Mud Pond; bog bridges are to be removed and trail section restored. ▪ Monitor stream crossing. Consider additional rock placement or bridge construction. ▪ Remove fallen tree from trail corridor. ▪ Consider formal agreement with private landowner for trail use if not already in place.
Yellow Connector (YC)	0.19	Yellow	<ul style="list-style-type: none"> ▪ Intersection signage was in good condition. ▪ Blazes along trail need refreshing. ▪ Obstacles noted included a widow maker and a fallen tree. ▪ Debris was found to be damming 	<ul style="list-style-type: none"> ▪ Refresh blazing. ▪ Remove fallen trees from trail corridor. ▪ Remove debris from stream to restore proper flow. ▪ Repair/replace culvert. ▪ Monitor stream crossing. Consider

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			<p>up the water flow at one stream crossing.</p> <ul style="list-style-type: none"> ▪ Turnpike was in good condition. ▪ One culvert was found to be semi-covered and damaged. ▪ One unimproved stream crossing was noted. 	<p>additional rock placement if necessary or bridge construction.</p>
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The Spruce Glen and Wolf Jaw Connector Trails are currently both footpaths that are to be restored to carriage road standards per the Trails Plan. These standards are provided within the *Restoration and Maintenance Manual for the Shawangunk Carriage Road Systems* (June 2010), an assessment report on the carriage roads completed by Barton & Loguidice, P.C. Table 2 provides assessment and general recommendation information for these two trails.

Table 2: Spruce Glen and Wolf Jaw Connector Trails Assessment and Recommendations

Trail Name	Length (miles)	Blazing	Assessment Summary	General Recommendations
Spruce Glen (SG)	0.20	TBD	<ul style="list-style-type: none"> ▪ Lacking or worn intersection signage with other trails. ▪ Erosion and wash out noted along 250 ft. of trail (small stream running along side of tread). 	<ul style="list-style-type: none"> ▪ Per Trails Plan – restore to carriage road standards. ▪ Improve and/or install intersection signage. ▪ Blaze trail. ▪ Implement water management measures as appropriate.
Wolf Jaw Connector (WF)	0.43	TBD	<ul style="list-style-type: none"> ▪ Signage at intersections was lacking. ▪ Wash outs were noted at an intermittent stream crossing and at an insufficiently sized culvert. 	<ul style="list-style-type: none"> ▪ Per Trails Plan – restore to carriage road standards. ▪ Install intersection signage. ▪ Implement water management measures as appropriate, including maintenance/ replacement of culvert.

A number of trails which are recommended for development/designation in the Trails Plan were not assessed during this process. They include the Stony Kill Falls Trail, Falls Spur Trail, Fire Break Trail, Power House Trail and Witch’s Cave Trail. Trails currently exist in these locations but some have multiple social trails. The existing trails may not follow a proper and appropriate sustainable alignment. These newly designated trails along with the future single track trails in the Awosting Reserve area will require on the ground assessments to determine final alignments and development plans. These assessments will be coordinated by Preserve staff in conjunction with volunteers and other OPRHP staff as appropriate.

Peter’s Kill Climbing Area Trails

The management of the use-specific trails in the Peter’s Kill Climbing Area was not addressed within the Trails Plan but these trails were assessed during the assessment process. The climbing access trails do not have designated names. The following list is a summary of the assessment information gathered for these trails to provide an idea of what types of issues were found along the trails. For specific assessment information in conjunction with location along the trails, please refer to Figures 2, 6, and 10 and Appendix B.

Table 3: Peter’s Kill Climbing Area Trails Assessment Summary and Recommendations

Assessment Summary	General Recommendations
<ul style="list-style-type: none"> • Trailhead signage was missing near parking area. • Blazing was insufficient in a number of places. • Many interpretive/informational signs were located throughout the area along trails; most of the signs and/or sign posts are in need of repair or replacement. • The interpretive kiosk near the parking area has a crumbling concrete base and two signage panels were empty. • All water bars located are in need of maintenance. • A couple of stone culverts were noted as needing clearing. • Two turnpikes (25 ft. and 100 ft. long) were noted both with rotting logs along the edges. • Erosion was noted in many places with exposed rocks and roots; a couple sections were noted as steep areas. • A couple of wet areas were noted (18 – 20 ft. long). • Fire tower foundations were noted in one area. • An additional marked trail was noted that was not shown on the map. 	<ul style="list-style-type: none"> • Improve/install trailhead signage at key locations near parking area. • Repair/improve the interpretive kiosk near the parking area. • Install intersection signage at key intersections. • Refresh blazing. • Improve/install interpretive/informational signs along trails as appropriate. • Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. • Monitor and replace rotting logs on turnpikes before treadway is compromised. • Per the master plan, climbing trails will be expanded into the Dickie Barre; once developed, these trails should be GPSd and added to trail maps.

Sam’s Point Preserve

Sam’s Point Preserve consists of two parcels owned by OPRHP and the Open Space Institute (OSI) adjacent to the west side of the Preserve. A number of footpaths and carriage roads extend from the Preserve property into these adjacent lands, as well as, some footpaths and wood roads are located wholly within these parcels. Both parcels of land and all trails and trail segments located upon these properties are managed by The Nature Conservancy. Table 4 lists the footpaths with the assessment summary and general recommendations for each trail that was assessed.

Table 4: Sam’s Point Footpaths Inventory, Assessment Summary and Recommendations

Trail Name	Length (miles)	Blazing	Assessment Summary	General Recommendations
Berry Picker Trail (BP)	2.2	Blue	<ul style="list-style-type: none"> ▪ Trail located on both Preserve and Sam’s Point property. 	<ul style="list-style-type: none"> ▪ Recommendations provided in Table 1.
High Point Trail (HT)	2.4	Red	<ul style="list-style-type: none"> ▪ A number of wet areas were noted (15-50 ft. long); social trails or trail widening has occurred; in one case, a small drainage ditch needs clearing. ▪ One steep eroded section was noted near the High Point CR. ▪ A 30 ft. long section of bog bridges was noted just before the intersection with the High Point CR. 	<ul style="list-style-type: none"> ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Monitor bog bridges for repairs.

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Ice Caves Trail (ICT)	0.56	None	<ul style="list-style-type: none"> ▪ Trail not assessed; located on OSI property. 	
Indian Rock Trail (IR)	0.55	Yellow	<ul style="list-style-type: none"> ▪ Insufficient blazing along most of trail. ▪ Trailhead has good signage. ▪ One wet area (15 ft. long) was noted with some trail widening. ▪ An 80 ft. long parallel trail has been developed next to very steep section of trail. ▪ Bog bridges (33 sections/10 ft. long each) are in excellent condition. 	<ul style="list-style-type: none"> ▪ Refresh blazing. ▪ Implement water management measures as appropriate. ▪ Consider designation of an alternate route to the steep section of trail, including assessment of the alignment of new parallel trail and closure of steep section. ▪ Monitor bog bridges for repairs.
South Gully Trail (SGL)	2.6	Aqua	<ul style="list-style-type: none"> ▪ Trail not assessed; located on OSI property. 	
Verkeerder Kill Falls Trail (VK)	2.0	Aqua	<ul style="list-style-type: none"> ▪ Bog bridge ('double planking') (90 ft. long) through seasonally wet area; need extensions on both ends. ▪ A few wet areas were noted (30-200 ft. long); some sections had parallel trails developed to avoid the area; drainage structures need clearing. ▪ A 20-25 ft. long section was officially rerouted around a chestnut oak tree; lacks blazing; rerouted section needs to be officially closed. ▪ Another rerouted section is still visible and some hikers continue to use it; needs to be officially closed. ▪ A number of eroded sections (some major/some steep) were noted; parallel trail developed along one section. ▪ Trail braiding was noted near the falls; location of an unimproved stream crossing as well. ▪ Trail section on private land is very eroded. 	<ul style="list-style-type: none"> ▪ Extend bog bridges at ends; monitor for repairs. ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Blaze existing new sections; close rerouted sections of trail. ▪ Consider signing designated trail to the falls and restore additional social trails. ▪ Monitor stream crossing. Consider rock placement if necessary or bridge construction. ▪ Sign trail use agreement with land owner if one not in place.

B. Wood Roads

The wood roads located in the Awosting Reserve area were assessed as well. Some of these wood roads are included in the multi-use trail system as laid out in the Trails Plan. The wood roads located in the southwestern section of this area (Wood Roads 1 and 2 in Table 5 below) are not included in the multi-use trail system but some sections of these wood roads may be included in the singletrack mountain biking trail system when it is developed.

Table 5 provides an inventory, summary assessment and recommendations for the wood roads in the Awosting Reserve area.

Table 5: Wood Road Inventory, Summary Assessment and Recommendations

Name	Length (miles)	Blazing	Summary Assessment	General Recommendations
Awosting Access (AWA)	1.7	White/Brown	<ul style="list-style-type: none"> ▪ One area of erosion was noted (deep trench about one foot across). ▪ A fallen tree was noted at the same location. ▪ One culvert in good condition. 	<ul style="list-style-type: none"> ▪ Implement water management measures as appropriate. ▪ Remove fallen trees from trail corridor.
Awosting Loop (AWL)	3.0	Purple	<ul style="list-style-type: none"> ▪ Many sections of erosion were noted (15 ft. to 250 ft. long); gravel is being washed out in a few cases; a few places were noted with steep grades; one note stated that the road was generally eroded. ▪ A couple of wet/muddy areas were noted. ▪ A fallen tree was noted on the trail. ▪ One section was noted as becoming slowly overgrown. ▪ Many culverts were located along this loop trail; some in good/very good condition and are sufficient size; others were partially squashed or rotting out along the bottom. ▪ Side roads and a trail were noted in a few locations. 	<ul style="list-style-type: none"> ▪ Implement water management measures as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Consider rerouting steep sloped sections to more sustainable grades. ▪ Remove fallen trees from trail corridor. ▪ Cut back/remove vegetation as necessary. ▪ Clear, reset, or replace culverts as necessary. ▪ Close side roads and social trails if not to be used for single track mountain biking trail network.
Awosting Loop Access (ALA)	0.36	TBD	<ul style="list-style-type: none"> ▪ A couple of unimproved stream crossings were located; one passable but muddy; the other with adequate stepping stones. ▪ A wire was noted across a portion of the path as one location. 	<ul style="list-style-type: none"> ▪ Monitor stream crossings. Consider additional rock placement if necessary or bridge construction. ▪ Remove wire from path.
Awosting Loop Connector (ALC)	0.10	TBD	<ul style="list-style-type: none"> ▪ No assessment points were taken along this short connector. 	
Awosting Woods Road #1			<ul style="list-style-type: none"> ▪ Many areas of erosion were noted along this wood road including some gullies and washouts. ▪ Numerous stream crossings were noted across the road (some flowing; some dry). ▪ Many fallen trees and overgrown sections. ▪ Culverts were noted along this 	<ul style="list-style-type: none"> ▪ As noted above, this woods road is not included in the multi-use trail system but some portions may be included in the design of the singletrack mountain biking trail system. ▪ Consider incorporation of waterfalls into design of singletrack system.

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			<p>road; some in need of repair/replacement; others in fair condition.</p> <ul style="list-style-type: none"> ▪ Thoreau Falls was noted along this road. 	<ul style="list-style-type: none"> ▪ Implement water management measures including culvert maintenance, as needed. ▪ Close road entrances where intersect with designated trails if not part of singletrack system.
Awosting Woods Road #2			<ul style="list-style-type: none"> ▪ Many areas of erosion were noted along this wood road including some trenches and washouts. ▪ A fallen tree and overgrown sections were noted. ▪ A large rusty oil tank and collapsing shack were noted along this road. 	<ul style="list-style-type: none"> ▪ As noted above, this wood road is not included in the multi-use trail system but some portions may be included in the design of the singletrack mountain biking trail system. ▪ Remove remnants of tank and shack.
Mud Pond (MP)	1.0	White/ Yellow	<ul style="list-style-type: none"> ▪ One section of trail was overgrown with vegetation. ▪ Erosion and steep grades were noted near the east end of the trail. ▪ Side trails to a shale pit were noted. ▪ Two culverts were noted both in need of clearing. 	<ul style="list-style-type: none"> ▪ Cut back/remove vegetation as necessary. ▪ Implement water management measures, including culvert maintenance, as appropriate; consider rerouting if necessary; restore any rerouted sections. ▪ Keep all access trails to shale pits open for potential future use. ▪ Clear/maintain culverts as needed.

III. Implementation

Implementation of these recommendations for the improvement of the trail system will be carried out as laid out in the Trails Plan and will be guided by staff knowledge of trails, the trail assessment information collected in 2009, additional detailed assessments of trail conditions and the agency's standards and guidelines for trails (see Trails Plan).

Some improvements are considered standard maintenance practices (blazing, clearing brush from treadway/tree pruning, maintenance of erosion control structures). Other improvements will require a more in depth review of the situation, such as water management measures, consideration of bridge construction and potential re-routes. Preserve staff, in conjunction with volunteers of various trail groups, will prioritize projects and develop work plans for the trail system.

Trail work proposals as submitted on the Annual Project Work Plan – Trails form (**Appendix D**) will be reviewed by the Park Manager for consistency with the Trails Plan. All trail work beyond standard maintenance practices (as noted above) on existing designated trails must be approved prior to commencement of work. The Park Manager will meet with Trail Groups on an annual basis, at minimum, to discuss proposed trail development/maintenance plans and review the consistency of those plans with the Trails Plan.

If the proposal is not within the scope of the Trails Plan then additional review, including environmental review, may be required. In these circumstances the Manager will consult with Regional and Albany office staff regarding next steps. See *Trail Project Approval Process for NYS Parks* at: <http://nysparks.com/recreation/trails/technical-assistance.aspx>.

Prior to trail construction, review of final trail layouts will be conducted in the field by appropriate agency staff (e.g. Park Manager, Regional Natural Resource Steward) to ensure consistency with trail standards and protection of sensitive resources.

The Park Manager will be responsible for periodic inspections of all trail projects to ensure that they are being carried out in accordance with approved plans.

For many trails, OPRHP partners with trail organization(s) for development and/or maintenance. It is important that clear lines of communication are maintained among all involved parties.

Improvements and reroutes should be completed prior to expanding multiple use opportunities. Priority will be given to basic maintenance and rehabilitation of existing trails, as well as, trail re-routes and closures to correct unsustainable conditions and/or to protect sensitive environmental areas. Priorities for new trails will be based on availability of funding and resources.

Existing undesignated trails that have been identified for designation will be improved and utilized as much as possible in the implementation of the trails plan and this report.

Improvements to the signage of the trail system, including trailhead, kiosk, intersection signage and trail markers, should be done in conjunction with the *Trail Signage Guidelines for the NY State Park System* (<http://nysparks.com/recreation/trails/technical-assistance.aspx>).

Trails or trail segments that are being relocated or otherwise closed should be restored to a natural state and a monitoring program should be implemented. These abandoned trails should not be identified on trail maps. Reclamation strategies include closure, stabilization, recontouring, revegetation, and monitoring. Each site should be evaluated individually for its potential to be rehabilitated. Reclamation of former trails needs to be carefully planned, and the consequences of each strategy should be evaluated. Restoration can be as simple as blocking a closed section of trail and passively allowing the vegetation to recover, or include more complex projects, such as removing any trace of the tread, actively planting native vegetation, and constructing check dams to help stop erosion. Careful monitoring of a restored section of trail is then needed to ensure that little evidence remains of the old trail. Guidance in proper methods of closing trails is provided in a document entitled *OPRHP Guidelines for Closing Trails* (<http://nysparks.com/recreation/trails/technical-assistance.aspx>).

Appendix A Trail Assessment Form

Trail Assessments at Minnewaska State Park Preserve

Tools: Assessment Forms, GPS unit, Clinometer, Tape Measure, Pens, Clipboards, Trail map, Digital Camera

Instructions:

1. Fill out the top of the Assessment Form (please print clearly).
2. Take a waypoint (#1) at the trailhead using GPS unit (latitude and longitude).
3. Locate issue/feature along trail and take a waypoint.
4. Only for major issues such as complete washout of trail: Take a photo of the location/issue - include Photo Number (PN) with fingers held up in image or Photo Number written on paper.
5. Identify type of issue/structure using categories provided (see descriptions below).
6. Measure: Bridges, Culverts, Eroded sections, Washouts, Wet Areas, and diameter of fallen trees.
7. If excessive slope (> 15%) in conjunction with erosion, utilize clinometer for % slope.
8. Provide additional description/comments about issues/structures as noted below.
9. Continue process for length of trail.
10. Take a way point at end of the trail and enter it on first page (latitude/longitude).
11. Drop off equipment and assessment forms at the Main Office.
12. Email any photos to nancy.stoner@oprhp.state.ny.us with reference to what trail on what date.

Trail Assessment Descriptions:

Code	Description
B	Bridges, puncheon, bog bridges, turnpikes. <i>Note construction material, length/width (feet) and condition of bridge.</i>
UC	Unimproved Crossing (stream crossing). <i>Note if wading or rock steps and any maintenance required (unstable stepping stones).</i>
C	Culvert – open or closed drain across the trail. <i>Note condition of culvert, length/diameter and if sufficient size for situation.</i>
E	Erosion - look for exposed roots, rocks, or gullies on trail. <i>Describe situation (exposed roots, gullies on tread, located on fall line (going straight down a hill regardless of grade) and length of eroded section (if greater than 25 ft, approximate distance). If excessive slope (>15%) in conjunction with erosion: measure steep slopes with clinometer (if numerous steep rocky slopes, no need to measure each one – note that trail has numerous steep sloped sections)</i>
EC	Erosion Control Devices – check dams, water bars. <i>Note type and condition of structure.</i>
WO	Washout - section of trail has been mostly/completely washed away. <i>Note length/width/depth and any hazards associated with washout. Take photo.</i>
WA	Wet Area/standing water (larger than 3ft diameter). <i>Note length/width.</i>
OB	Obstacle – fallen tree or other obstacle blocking treadway (include broken branches or trees about to fall over trail (“widow makers”). <i>Note diameter of tree trunk.</i>
IB	Insufficient Blazing/Marking – if can’t see next blaze/marker as you are moving past a blaze/marker or hard to locate next blaze/marker. <i>Note if blazes/markers missing or worn off.</i>
SI	Signage – <i>Identify if Trailhead, Directional or Interpretive and if in need of repair. Note type of repair.</i>
AC	Additional Comment – specific locations that warrant noting such as a scenic vista, unique feature (caves, mines, rock wall). <i>Note type of feature.</i>

Development Standards for Footpaths:

Vertical Clearance: 8-10 ft; Corridor Clearance: 4-6 ft; Tread width: 18-30 inches.

Trail Assessment Forms

Date: _____

Trail Name: _____

Team leader:

Name: _____

Phone #: _____

Assessment Team Members:

(PN) Photo Number	(WO) Washout
(B) Bridge	(WA) Wet Area/Standing Water
(UC) Unimproved Crossing	(OB) Obstacle – fallen tree
(C) Culvert	(IB) Insufficient Blazing
(E) Erosion	(SI) Signage (Trailhead, Directional or Interpretive) and repair needed
(EC) Erosion Control Devices	(AC) Add. Comments (vista/unique feature)
Measure: Bridges, Culverts, Eroded sections (excessive slope %), Washouts, Wet Areas, and diameter of fallen trees	

Average Tread Width (in/ft) _____

End Point (Lat/Long): _____

****Decimal Degrees Datum: (circle one) NAD27, NAD83 or WGS84 (preferred)**

Way Point #	Lat	Long	PN	Code	Measure in feet or % Slope	Description/ Details/ Comments (as appropriate)
(Start Point)						

Appendix B – Trail Assessment Data

Conditions Assessments – Figures 2-5

Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Awosting Access	3	1	Erosion	Erosion Isolated	N/A	N/A	Erosion deep trench on other side (~1foot across). 1 foot diameter tree on one side	
Awosting Loop	3	1	Erosion	Erosion Isolated	NA	N/A	Top of ca. 250' of erosion	
Awosting Loop	3	2	Erosion	Erosion Isolated	N/A	N/A	Possible old road straight ahead, as AWL turns sharp right with 15' of erosion	13% (eroded part)
Awosting Loop	3	3	Erosion	Erosion Isolated	N/A	N/A	Top of 100' of erosion	10%
Awosting Loop	3	4	Erosion	Erosion Isolated	N/A	N/A	Top of another 130' erosion. Note: road generally eroded	8%
Awosting Loop	3	5	Erosion	Steep Area	N/A	N/A	Excessive slope start	
Awosting Loop	3	6	Erosion	Erosion Isolated	N/A	N/A	Minor erosion 75'	
Awosting Loop	3	7	Erosion	Steep Area	N/A	N/A	Excessive slope start	21%
Awosting Loop	3	8	Erosion	Erosion Isolated	N/A	N/A	Moderate erosion ~60'	
Awosting Loop	3	9	Erosion	Erosion Isolated	N/A	N/A	Moderate erosion 60', slope +17% start	17%
Awosting Loop	3	10	Obstacle	N/A	Overgrown	N/A	Upper and lower sections of 015-017 are slowly being overgrown. reach AWL	
Awosting Loop	3	11	Water	N/A	N/A	Standing Water	wet area standing water 20 feet long, 3 feet wide	
Awosting Loop	3	12	Erosion	Erosion Isolated	N/A	N/A	~112 feet of trail has mild erosion. Passable but gravel is getting washed down hill	19%

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Awosting Loop Access	3	1	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Passable but muddy	
Awosting Loop Access	3	2	Unimproved Crossing	N/A	N/A	Unimproved Crossing	But with adequate rocks, beginning of Spruce Glen	
Awosting Woods Road 1	3	1	Obstacle	N/A	Tree	N/A	Start- lots of branches in road at beginning, deliberate?	
Awosting Woods Road 1	3	2	Obstacle	N/A	Tree	N/A	6-8" diameter tree	
Awosting Woods Road 1	3	3	Obstacle	N/A	Tree	N/A	8" tree - easy to step over	
Awosting Woods Road 1	3	4	Erosion	Erosion Isolated	N/A	N/A	Big gravel pit, 100' erosion on road below it	
Awosting Woods Road 1	3	5	Water	N/A	N/A	Soggy Area	Could use culvert, 10' further small stream crossing	
Awosting Woods Road 1	3	6	Erosion	Erosion Isolated	N/A	N/A	Gully across road, washout	
Awosting Woods Road 1	3	7	Water	N/A	N/A	Standing Water	Small stream in road east of crossing	
Awosting Woods Road 1	3	8	Erosion	Erosion Isolated	N/A	N/A	Gully across road, another just east, washout	
Awosting Woods Road 1	3	9	Erosion	Erosion Isolated	N/A	N/A	Streambed across road, washout	
Awosting Woods Road 1	3	10	Obstacle	N/A	Overgrown	N/A	Stream crossing road visible now but wet and overgrown, multiflora rose present	
Awosting Woods Road 1	3	11	Obstacle	N/A	Tree	N/A	Road disappears, wet, stilt grass, downed trees, streamer in tree	
Awosting Woods Road 1	3	12	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Washed out bridge (logs)	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Awosting Woods Road 1	3	13	Obstacle	N/A	Overgrown	N/A	Sort of culvert with 2 trees on top. overgrown with stilt grass	
Awosting Woods Road 1	3	14	Obstacle	N/A	Overgrown	N/A	between 027-031 lots of stilt grass, wet areas, and brambles	
Awosting Woods Road 1	3	15	Obstacle	N/A	Overgrown	N/A	Heavily overgrown. road disappears- follow trail south	
Awosting Woods Road 1	3	16	Obstacle	N/A	Overgrown	N/A	trail nearly disappears (overgrown with stilt grass)	
Awosting Woods Road 1	3	17	Erosion	Erosion Isolated	N/A	N/A	some erosion of woods road	
Awosting Woods Road 1	3	18	Erosion	Erosion Isolated	N/A	N/A	gully across woods road, end of gravel	
Awosting Woods Road 1	3	19	Unimproved Crossing	N/A	N/A	Unimproved Crossing	small stream (dry) 3 feet	
Awosting Woods Road 1	3	20	Obstacle	N/A	Tree	N/A	100 feet past streambed is fallen tree 2-3 feet	
Awosting Woods Road 1	3	21	Obstacle	N/A	Tree	N/A	fallen tree, 1foot diameter, completely crosses the trail	
Awosting Woods Road 1	3	22	Obstacle	N/A	Tree	N/A	Blocked culvert caused streambed. (End of 9/2/09 assessment) fallen tree past stream. <u>Awosting PN10 9-2-09 Turnaround point of assessment</u>	
Awosting Woods Road 1	3	23	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Eroded stream crossing. Non-functioning pvc drainage pipe. <u>Awosting PN9 9-2-09 Stream crossing and erosion</u>	
Awosting Woods Road 1	3	24	Unimproved Crossing	N/A	N/A	Unimproved Crossing	stream crossing, dry	
Awosting Woods Road 1	3	25	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Washed out culvert. stream crossing (small stream) 2-3 feet	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Awosting Woods Road 1	3	26	Unimproved Crossing	N/A	N/A	Unimproved Crossing	small stream (dry) 3 feet	
Awosting Woods Road 1	3	27	Obstacle	N/A	Tree	N/A	Tree fallen across road. 1.5 feet diameter	
Awosting Woods Road 1	3	28	Unimproved Crossing	N/A	N/A	Unimproved Crossing	small stream, can step over, there is a rotten board	
Awosting Woods Road 1	3	29	Obstacle	N/A	Tree	N/A	start of Woods Road #1(off AWL) ~100 feet in downed tree	
Awosting Woods Road 2	3	1	Erosion	Erosion Isolated	N/A	N/A	Loop in woods road in fair condition. Erosion on one half at upper portion. goes around shale pit	
Awosting Woods Road 2	3	2	Obstacle	N/A	Tree	N/A		
Awosting Woods Road 2	3	3	Erosion	Erosion Begin	N/A	N/A	Start of washout - woods road. Awosting PN2 9-4-09	17-19
Awosting Woods Road 2	3	4	Unimproved Crossing	N/A	N/A	Unimproved Crossing	End of erosion section. across stream is gravel pit	
Awosting Woods Road 2	3	6	Obstacle	N/A	Overgrown	N/A	between stream and gravel pit 012-013: overgrown - hard to recognize	
Awosting Woods Road 2	3	7	Obstacle	N/A	Overgrown	N/A	intersection/turn right multiflora rose between 013-014	
Awosting Woods Road 2	3	8	Erosion	Erosion Isolated	N/A	N/A	eroded trench across trail	
Awosting Woods Road 2	3	9	Erosion	Erosion End	N/A	N/A	End of severe erosion. stream crossing	
Awosting Woods Road 2	3	10	Erosion	Erosion Begin	N/A	N/A	severe erosion, deep trench - 3 feet, very overgrown	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Awosting Woods Road 2	3	11	Unimproved Crossing	N/A	N/A	Unimproved Crossing	stream crossing, dry	
Awosting Woods Road 2	3	12	Erosion	Erosion Isolated	N/A	N/A	Serious erosion middle of 015-017. Awosting PN3 9-4-09; Awosting PN4 9-4-09 waypoint 16 serious erosion	
Berry Picker	4	1	Water	N/A	N/A	Muddy Trail	Puddle on trail, very minor trail widening	
Berry Picker	5	2	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Trail crosses semi-permanent stream, there are adequate stepping stones, 10 feet length	
Berry Picker	5	3	Water	N/A	N/A	Muddy Trail	30' RJ, Muddy some standing water, some trail widening.	
Berry Picker	5	4	Water	N/A	N/A	Muddy Trail	40' muddy and standing water	
Blueberry Run	2	1	Erosion	Erosion Isolated	N/A	N/A	Erosion on descent	
Blueberry Run	2	2	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Fine	
Blueberry Run	2	3	Erosion Control Devices	Steps	N/A	N/A	Nice steps, pic taken (Note: photo not available).	
Blueberry Run	2	4	Water	N/A	N/A	Standing Water	Standing water and minor trail widening	
Blueberry Run	2	5	Erosion	Erosion Isolated	N/A	N/A	Water running along trail, widening occurring, 45'	18%
Blueberry Run	2	6	Erosion	Erosion Isolated	N/A	N/A	40' erosion, water running along trail, stepping stones	9%
Blueberry Run	2	7	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Stream crossing, needs more stones, 25'	
Blueberry Run	2	8	Erosion	Erosion Isolated	N/A	Unimproved Crossing	roots exposed, 75' stream crossing at 75', couple stepping stones	7%

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Blueberry Run	2	9	Erosion	Erosion Isolated	N/A	N/A	Roots exposed, 60' of erosion	9%
Blueberry Run	2	10	Water	N/A	N/A	Standing Water	Standing water, 6' long, trail widening, needs a drainage	
Blueberry Run	3	11	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Stream crossing, a couple stepping stones in stream	
Blueberry Run	3	12	Erosion	Erosion End	N/A	N/A	End of Erosion from waypoint 16	
Blueberry Run	3	13	Water	N/A	N/A	Standing Water	Standing Water, some erosion 450'	25%
Blueberry Run	3	14	Erosion	Erosion End	N/A	N/A	End of erosion from waypoint 14 ~150'	
Blueberry Run	3	15	Erosion	Erosion Begin	N/A	N/A	Trail eroded 40' roots exposed	30%
Gertrude's Nose	3	1	Water	N/A	N/A	Unimproved Crossing	small stream with step stones	
High Peter's Kill (Blue)	2	1	Obstacle	N/A	Tree	N/A	widow maker	
High Peter's Kill (Blue)	2	2	Obstacle	N/A	Overgrown	N/A	overgrown vegetation	
High Peter's Kill (Blue)	2	3	Obstacle	N/A	Tree	N/A	tree 14" diameter	
High Peter's Kill (Blue)	2	4	Erosion Control Devices	Water Bar	N/A	N/A	water bar - good condition	
High Peters Kill	2	1	Erosion	Erosion Isolated	N/A	N/A	Rocks, roots. Soil eroding out 25' due to hiker traffic to avoid rock	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
High Peters Kill	2	2	Erosion	Erosion Isolated	N/A	N/A	Small rock, very steep	42%
High Peters Kill	2	3	Erosion	Erosion Isolated	N/A	N/A	16" tread width, washout falling to 20' drop	
High Peters Kill	2	4	Erosion	Erosion Isolated	N/A	N/A	16" tread, hillside, washout	
High Peters Kill	2	5	Obstacle	N/A	Tree	N/A	Widow maker 7". Side path	
High Peters Kill	2	6	Erosion Control Devices	Water Bar	N/A	N/A	Natural water bar, filled with regular water flow	
High Peters Kill	2	7	Water	N/A	N/A	Muddy Trail	Roots, rock, seep	
High Peters Kill	2	8	Obstacle	N/A	Tree	N/A	5" tree down, dry. 20" tread needs cutback	
High Peters Kill	2	9	Erosion	Erosion Isolated	N/A	N/A	Stone step, eroded to roots very short section, then moderate erosion 100' +	35%
High Peters Kill	2	10	Erosion	Erosion Isolated	N/A	N/A	Light erosion 60' with natural wood check dams (2)	12%
High Peters Kill	2	11	Erosion	Erosion Isolated	N/A	N/A	Steep trail, damp soil, roots some rock 300'	35-40%
High Peters Kill	2	12	Erosion Control Devices	Water Bar	N/A	N/A	Tree water bar good, rock water bar insufficient (crib wall)	
High Peters Kill	2	13	Erosion	Erosion Isolated	N/A	N/A	Roots, incline, 100' trail turn	37%
High Peters Kill	2	14	Erosion	Erosion Isolated	N/A	N/A	Wet spot at the bottom of #29 to kill.	16%
High Peters Kill	2	15	Water	N/A	N/A	Muddy Trail	Wet spot at the bottom of #29 to kill.	16%

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
High Peters Kill	2	16	Erosion	Erosion Isolated	N/A	N/A	Water course in season, 40'	
High Point Trail	4	1	Water	N/A	N/A	Standing Water	2 small side trails around wet area	30-35'
High Point Trail	4	2	Water	N/A	N/A	Standing Water	A bit of trail widening	15'
High Point Trail	4	3	Water	N/A	N/A	Standing Water	Small drainage ditches need cleaning	50'
High Point Trail	4	4	Erosion	Erosion Begin	N/A	N/A	Start of erosion	30%
High Point Trail	4	5	Erosion	Erosion End	N/A	N/A	End of erosion	
Indian Rock	4	1	Water	N/A	N/A	Soggy Area	Wet Area ~15' long, a little trail widening occurring	
Jenny Lane	2	1	Water	Water Bar	N/A	N/A	Unmaintained waterbars, dry	
Jenny Lane	2	2	Erosion	Erosion Begin	N/A	N/A	Between here and 011, exposed rock/roots. 20% was max slope, rest gradual	20%
Jenny Lane	2	3	Erosion	Erosion End	N/A	N/A		
Jenny Lane	2	4	Erosion	Erosion Isolated	N/A	N/A	Trail widening here (150') erosion above/below	
Jenny Lane	2	5	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Small Stream Crossing, you can step across	
Jenny Lane	2	6	Water	N/A	N/A	Soggy Area	Soft area created by hikers	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Meadow Paths	2	1	Erosion	Erosion Isolated	N/A	N/A	Eroded - washed out (junction upper Awosting Carriageway). MeadowPaths PN1 8-4-09	50' 23%
Meadow Paths	2	2	Water	N/A	N/A	Standing Water	Junction connector + O+W trail wet area insufficient blazing	
Meadow Paths	2	3	Erosion	Erosion Isolated	N/A	N/A	Washout on trail undercutting culvert. MeadowPaths PN4 8-4-09.jpg , MeadowPaths PN5 8-4-09.jpg	50' 12%
Meadow Paths	2	4	Water	N/A	N/A	Standing Water	Ditch - not effective, water seeping onto trail (further evaluate)	
Meadow Paths	2	5	Water	N/A	N/A	Standing Water		
Meadow Paths	2	6	Water	N/A	N/A	Standing Water	Wet areas need drainage. MeadowPaths PN9 8-4-09.jpg	100'
Meadow Paths	2	7	Water	N/A	N/A	Standing Water	MeadowPaths PN10 8-4-09.jpg	
Meadow Paths	2	8	Water	N/A	N/A	Standing Water	MeadowPaths PN11 8-4-09.jpg	100'
Meadow Paths	2	9	Water	N/A	N/A	Standing Water	Apparent end of wet area and junction of side trail/ not included at #15. MeadowPaths PN12 8-4-09.jpg	
Meadow Paths	2	10	Water	N/A	N/A	Standing Water		
Meadow Paths	2	11	Erosion	Erosion Isolated	N/A	N/A	Junction connector to Castle Point Carriageway washout. MeadowPaths PN15 8-4-09.jpg	
Millbrook Mountain	3	1	Water	N/A	N/A	Unimproved Crossing	large rocks for steps	
Millbrook Mountain	3	2	Water	N/A	N/A	Muddy Trail	water flows down trail (Mohonk Preserve)	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Mine Hole Road	5	1	Obstacle	N/A	Overgrown	N/A	very overgrown section: "weed"/ goldenrod/ jewel weed	
Mine Hole Road	5	2	Erosion	Erosion Isolated	N/A	N/A	3-way center most eroded one. erosion continues to 005	
Mine Hole Road	5	3	Erosion	Erosion Begin	N/A	N/A	Left fork rejoins road. start of serious erosion	
Mine Hole Road	5	4	Unimproved Crossing	N/A	N/A	Unimproved Crossing	stream crossing	
Mine Hole Road	5	5	Obstacle	N/A	Tree	N/A	tree	
Mine Hole Road	5	6	Unimproved Crossing	N/A	N/A	Unimproved Crossing		
Mine Hole Road	5	7	Erosion	Erosion Isolated	N/A	N/A	~250 feet. MineHole PN1 9-3-09.jpg	
Mine Hole Road	5	8	Obstacle	N/A	Tree	N/A	multiple trees	
Mine Hole Road	5	9	Erosion	Erosion Isolated	N/A	N/A	from 18-21 multiple slopes with extensive erosion	18-21%
Mine Hole Road	5	10	Erosion	Erosion Isolated	N/A	N/A	Typical erosion pictured (down to slab rock). MineHole PN2 9-3-09.jpg	
Mine Hole Road	5	11	Water	N/A	N/A	Muddy Trail	few 100 foot downhill intermittent streambed	
Mine Hole Road	5	12	Water	N/A	N/A	Muddy Trail	2 small wet areas (sphagnum moss). MineHole PN3 9-3-09.jpg	
Mine Hole Road	5	13	Water	N/A	N/A	Standing Water	water running over slab rock	
Mine Hole Road	5	14	Erosion	Erosion Isolated	N/A	N/A	Best viewpoint of the day (Mohonk-Taconics-Catskills) Tombstone Trail northeast (we saw the cairns). MineHole PN9 9-3-09.jpg	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Mine Hole-Berme Rd. Connector	5	1	Unimproved Crossing	N/A	N/A	N/A	trail along stream	
Mine Hole-Berme Rd. Connector	5	2	Obstacle	N/A	Tree	N/A	Old road crossing, stone wall, obstructed by fallen trees	
Mine Hole-Berme Rd. Connector	5	3	Obstacle	N/A	Tree	N/A	large tree across trail	
Mossy Glen	2	1	Unimproved Crossing	N/A	N/A	Unimproved Crossing	10 feet	10ft
Mossy Glen	2	2	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Unstable	
Mossy Glen	2	3	Water	N/A	N/A	Muddy Trail	Trail widening	
Mossy Glen	2	4	Unimproved Crossing	N/A	N/A	Unimproved Crossing		
Mud Pond Access	3	1	Obstacle	N/A	Overgrown	N/A	End of Mud Pond Access, does not connect to Scenic Trail - bushwhack required to reach pond and scenic trail. MudPondTrailPN5_11-17-09.jpg	
Mud Pond Trail	3	1	Erosion	Erosion Begin	N/A	N/A	Begin slope and erosion	22% 120'
Mud Pond Trail	3	2	Erosion	Erosion End	N/A	N/A	End slope	
Mud Pond Trail	3	3	Erosion	Steep Area	N/A	N/A	Excessive slope - 50' long, old well on west side of trail	24%
Mud Pond Trail	3	4	Obstacle	N/A	Overgrown	N/A	Trail overgrown with stilt grass and other vegetation. MudPond PN1 9-22-09 stilt grass - not sure	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Old Minnewaska	2	1	Erosion	Erosion Isolated	N/A	N/A	300' moderate rutting due to drainage	10%
Old Minnewaska	2	2	Erosion	Erosion Isolated	N/A	N/A	Severe - 300' rock exposure	
Old Minnewaska	2	3	Erosion	Erosion End	N/A	N/A	Severe erosion continues 20% (long stretch) = 200 feet + gully	20%
Old Minnewaska	2	4	Erosion	Erosion Isolated	N/A	N/A	10% severe rocks, some roots, rutting, side gully. Old Minnewaska PN3 8-4-09.JPG	10%
Old Minnewaska	2	5	Water	N/A	N/A	Standing Water	10% severe rocks, some roots, rutting, side gully. Old Minnewaska PN4 8-4-09.JPG	10%
Old Minnewaska	2	6	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Seasonal stream	
Old Minnewaska	2	7	Erosion	Erosion Begin	N/A	N/A	Severe erosion continues 20% (long stretch) = 200 feet + gully. Old Minnewaska PN1 8-4-09.JPG ; Old Minnewaska PN2 8-4-09	20%
Old Minnewaska	2	8	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Seasonal stream coming down trail. Exits here erosion starts	
Old Minnewaska	2	9	Obstacle	N/A	Overgrown	N/A	3-5 needs clearing (std)	
Old Minnewaska	2	10	Erosion	Erosion Isolated	N/A	N/A	Tread very narrow, 16" for 60' long. Erosion continues	
Old Minnewaska	2	11	Obstacle	N/A	Overgrown	N/A	Standing water and overgrown tread	
Old Minnewaska	2	12	Erosion	Erosion Isolated	N/A	N/A	Hole in trail (gully?). Old Minnewaska PN5 8-4-09.JPG	
Old Minnewaska	2	13	Obstacle	N/A	Tree	N/A	12" widow maker	
Old Minnewaska	2	14	Unimproved Crossing	N/A	N/A	Unimproved Crossing		

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Old Minnewaska	2	15	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Stream crosses trail, wet bedrock, side trails ongoing erosion	
Old Minnewaska	2	16	Erosion	Erosion Isolated	N/A	N/A	Stream enters the trail - heavy erosion starts	
Old Minnewaska	2	17	Obstacle	N/A	Tree	N/A	Tree growing across trail 6"	
Old Minnewaska	2	18	Obstacle	N/A	Tree	N/A	9" tree across trail	
Old Minnewaska	2	19	Water	N/A	N/A	Standing Water	Trail wet, standing water small pond on R. 80' of trail	
Old Minnewaska	2	20	Water	N/A	N/A	Standing Water	Trail rutted, 8 water filled 40'	
Old Minnewaska	2	21	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Sanders Kill - no bridge	
Old Minnewaska	2	22	Water	N/A	N/A	Muddy Trail	Eroded, wet, bottom of 10% fall line with "stream"	10%
Old Minnewaska	2	23	Erosion	Erosion Isolated	N/A	N/A	Eroded, wet, bottom of 10% fall line with "stream"	10%
Old Minnewaska	2	24	Water	N/A	N/A	Soggy Area	100', marshy, some erosion, side trail	
Old Minnewaska	2	25	Obstacle	N/A	Tree	N/A	4" tree down	
Old Minnewaska	2	26	Obstacle	N/A	Tree	N/A	9" tree down - 4' high	
Old Minnewaska	2	27	Erosion	Erosion Isolated	N/A	N/A	Moderate erosion starts, goes 300' uphill next to stream	10%
Old Minnewaska	2	28	Obstacle	N/A	Tree	N/A	2 - 9" trees down	
Old Minnewaska	2	29	Erosion	Erosion Isolated	N/A	N/A	Light, rocky 350'. Moderate, rocky stream bed	
Old Minnewaska	2	30	Obstacle	N/A	Tree	N/A	6" tree down	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Old Minnewaska	2	31	Erosion	Erosion Begin	N/A	N/A	Erosion starts, continues to road	
Peter's Kill Climbing Area Trails	2	1	Erosion Control Devices	Water Bar	N/A	N/A	3 water bars ok condition, some need resetting almost covered by soil	
Peter's Kill Climbing Area Trails	2	2	Erosion	Erosion Isolated	N/A	N/A	Exposed roots - water can run down trail, exposed roots continue along west side of trail	10 degrees
Peter's Kill Climbing Area Trails	2	3	Erosion	Erosion Isolated	N/A	N/A	Exposed rocks - fall line trail	13 degrees
Peter's Kill Climbing Area Trails	2	5	Erosion	Erosion Isolated	N/A	N/A	Fall line trail, exposed rocks	
Peter's Kill Climbing Area Trails	2	6	Water	N/A	N/A	Muddy Trail	Wet, thick mud @ base of rocks	20'
Peter's Kill Climbing Area Trails	2	7	Erosion Control Devices	Water Bar	N/A	N/A	Water bars need clearing/maintenance	
Peter's Kill Climbing Area Trails	2	8	Erosion Control Devices	Water Bar	N/A	N/A	Heading south from waypoint #11 2 waterbars and moderate erosion about 20'	32%
Peter's Kill Climbing Area Trails	2	9	Erosion Control Devices	Water Bar	N/A	N/A	Trail not on GIS map, but does exist and is marked. Also 2 water bars in trail, lots of erosion	25-30' N
Peter's Kill Climbing Area Trails	2	10	Water	N/A	N/A	Muddy Trail	Sitting under water and mud	8'Lx7' W
Peter's Kill Climbing Area Trails	2	11	Erosion	Erosion Isolated	N/A	N/A	Exposed rocks and some roots	11 deg. 100'

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Peter's Kill Climbing Area Trails	2	12	Obstacle	N/A	Tree	N/A	Trail lost at large beech tree with lots of tree debris just beyond	
Peter's Kill Climbing Area Trails	2	13	Erosion	Erosion Isolated	N/A	N/A	Exposed rocks and roots	30'
Peter's Kill Climbing Area Trails	2	14	Erosion Control Devices	Water Bar	N/A	N/A	Water bar and steps of wood logs with rebar supports in trail. Water bar needs clearing. Climbing Area Trails PN1 8-4-09 002	
Point Lookout	5	1	Unimproved Crossing	N/A	N/A	Unimproved Crossing	minor stream	
Point Lookout	5	2	Erosion	Erosion Begin	N/A	N/A	extreme grade, somewhat eroded, water runs down trail	35%
Point Lookout	5	3	Erosion	Erosion End	N/A	N/A	top of extreme grade	
Point Lookout	5	4	Erosion	Erosion Begin	N/A	N/A	trail follows drainage washout, tread eroded	
Point Lookout	5	5	Erosion	Erosion End	N/A	N/A	top of drainage washout	
Rainbow Falls	2	1	Water	N/A	N/A	Standing Water	Trailhead Signage needed, standing water at trailhead	
Rainbow Falls	2	2	Water	N/A	N/A	Standing Water	25' of trail under water	4%
Rainbow Falls	2	3	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Raging stream crossing paths, social path has developed to cross over dryer areas. RainbowFallsTrail1- WP3.jpg ; RainbowFallsTrail1A-WP3	
Rainbow Falls	2	4	Water	N/A	N/A	Standing Water	35' of trail under standing water, water control device needed	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Rainbow Falls	2	5	Obstacle	N/A	Tree	N/A	Fallen Tree, 1' dia. additional blazing on rocks would be helpful	
Rainbow Falls	2	6	Erosion	Erosion Isolated	N/A	N/A	trail very steep, significant erosion over 50'	60%
Rainbow Falls	3	7	Erosion	Erosion Isolated	N/A	N/A	Erosion due to stream from waterfall, trail follows directly along stream. Many stream crossings and alternate routes. RainbowFallsTrail2 - WP5.jpg	55%
Rainbow Falls	3	8	Water	N/A	N/A	Standing Water	75' of trail flooded, difficult to cross wet area, needs water control device	
Rainbow Falls	3	9	Erosion	Erosion Isolated	N/A	N/A	50' section of erosion, lots of roots and rocks exposed	25%
Rainbow Falls	3	10	Erosion	Erosion Isolated	N/A	N/A	25' erosion, lots of exposed roots and rocks	50%
Rainbow Falls	3	11	Water	N/A	N/A	Standing Water	35' standing water. alternate path being trampled through bushes, ineffective water bar in place	
Rainbow Falls	3	12	Water	N/A	N/A	Standing Water	30' standing water, mud, exposed	14%
Rainbow Falls	3	13	Water	N/A	N/A	Muddy Trail	45' muddy, drainage to side, minor trail widening	
Rainbow Falls	3	14	Water	N/A	N/A	Standing Water	Standing water 12', trail widening, could use water bar	
Rainbow Falls	3	15	Erosion	Erosion Isolated	N/A	N/A	Significant erosion and trail widening 100'	14% 100'
Rainbow Falls	3	16	Erosion	Erosion Begin	N/A	N/A	Significant erosion, depression where water pools at base of slope, needs drainage, 110' trail widening, exposed roots	13% 110'
Rainbow Falls	3	17	Erosion	Erosion End	N/A	N/A	End of erosion from waypoint 9. sections are not as bad, but overall needs work	13%

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Red Loop	2	1	Obstacle	N/A	Tree	N/A	fallen tree	
Red Loop	2	2	Obstacle	N/A	Tree	N/A	6" fallen tree on ground	
Red Loop	2	3	Erosion	Erosion Isolated	N/A	N/A	erosion severe - see photo (photo not available)	
Red Loop	2	4	Erosion	Erosion Isolated	N/A	N/A	erosion at trail turn and continues down path ~0.2 miles	
Red Loop	2	5	Erosion Control Devices	Water Bar	N/A	N/A	water bar sunk	
Red Loop	2	6	Obstacle	N/A	Overgrown	N/A	overgrown vegetation between #11-12	
Scenic Trail	3	1	Erosion	Erosion Isolated	N/A	N/A		85' 10%
Scenic Trail	3	2	Water	N/A	N/A	Muddy Trail	20' East of 34, 12' long with stepping stones, Spur connector to Awosting Lake CW	
Scenic Trail	3	3	Water	N/A	N/A	Muddy Trail	Also, Lots of exposed roots, Relatively Flat	20'
Scenic Trail	3	4	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Stream crossing rocks in stream could use more or small bridge, trail crosses unmarked carriage road, signage could be useful. ScenicTrailStreamCrossPN2_11-17-09.jpg	
Scenic Trail	3	5	Obstacle	N/A	Tree	N/A	Tree across trail	
Spruce Glen	3	1	Erosion	Erosion Isolated	N/A	N/A	One side of path worn down about 6" w/small stream running thru - 150' long. stops for 50' and starts again for 90'	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Verkeerder Kill Falls	4	1	Water	N/A	N/A	Soggy Area	Only after rain - small drainage ditch exists but may need improvement; opening up - very flat	30'
Verkeerder Kill Falls	4	2	Obstacle	N/A	Tree	N/A	Trail has been officially rerouted around fallen Chestnut Oak, not blazed yet but will be	20-25' detour
Verkeerder Kill Falls	4	3	Water	N/A	N/A	Soggy Area	Users have created a parallel trail to avoid seasonally wet section	35'
Verkeerder Kill Falls	4	4	Erosion Control Devices	Water Bar	N/A	N/A	Old water bar no longer effective, needs cleaning (35' into section)	200'+ 5%
Verkeerder Kill Falls	4	5	Water	N/A	N/A	Soggy Area	Users created parallel trail to avoid	200'+ 5%
Verkeerder Kill Falls	4	6	Erosion	Erosion Isolated	N/A	N/A	Parallel trails, one with major erosion 20' from waypoint is water bar that needs cleaning	20' 15%
Verkeerder Kill Falls	4	7	Erosion	Erosion Begin	N/A	N/A	After entering private land, trail very eroded because it slopes down all the way	9%
Verkeerder Kill Falls	4	8	Erosion	Erosion End	N/A	N/A	End of eroded section that began at #9, flattens out briefly @ end then erosion starts again	25%
Verkeerder Kill Falls	4	9	Unimproved Crossing	N/A	N/A	Unimproved Crossing	2 crossings	
Verkeerder Kill Falls	4	10	Unimproved Crossing	N/A	N/A	Unimproved Crossing	Braiding near falls	
Verkeerder Kill Falls	4	11	Erosion	Erosion Isolated	N/A	N/A	Steep section with some erosion (not too bad, considering)	40%
Verkeerder Kill Falls	4	12	Erosion	Erosion Isolated	N/A	N/A	Steep section with some erosion (not too bad, considering)	40%
Wolf Jaw	3	1	Erosion	Erosion Isolated	N/A	N/A	Rainy Season washout, intermittent stream crossing trail	

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Trail Name	Figure #	ID	Type	Erosion	Obstacle	Water	Description/Photos	Grade
Yellow Connector	2	1	Unimproved Crossing	N/A	N/A	Unimproved Crossing	no crossing over stream	
Yellow Connector	2	2	Obstacle	N/A	Tree	N/A	tree across trail	
Yellow Connector	2	3	Obstacle	N/A	Tree	N/A	widow maker	

Blazing and Signage Assessment – Figures 6-9

Trail Name	Figure #	ID	Type	Blaze Issue	Sign Issue	Description/Photos
Awosting Access	7	1	Signage	N/A	Insufficient	Trailhead signage - rules/regs, please do not block gate, bicyclists must wear helmets. Should include map & updated rules. Awosting PN1 9-2-09 Signage at AR gate.jpg
Berry Picker	9	1	Signage	N/A	Insufficient	End of Trail at intersection with Smiley Carriageway, signage needed, homemade signs "To Lake Awosting" & "To Ellenville", but better signage needed with trail names
Blueberry Run	6	1	Blazing	Insufficient	N/A	Needs blazing
Bull Wheel	6	1	Blazing	Worn	N/A	Trail ends - good signage. Freshen all blazes on trail
Bull Wheel	6	2	Signage	N/A	Needs Repair	Good signage in place. Post is wobbly.
Bull Wheel	6	3	Blazing	Insufficient	N/A	Blazing worn and partially hidden by branch on left and right trees
Bull Wheel	6	4	Signage	N/A	Insufficient	No trailhead sign. Minor erosion
Bull Wheel	6	5	Signage	N/A	N/A	interpretive signage good
High Peters Kill	6	1	Blazing	Insufficient	N/A	Previous blazes need redo. Side trail
High Peters Kill	6	2	Signage	N/A	N/A	Trails begin on MSPP lands. Good signage
High Peters Kill	6	3	Signage	N/A	Insufficient	Trail narrow
High Peters Kill	6	4	Blazing	Insufficient	N/A	Needs blazing
High Peters Kill	6	5	Blazing	Insufficient	N/A	No blazes; trail overgrown
High Peters Kill	6	6	Blazing	Insufficient	N/A	Blaze only on rock at turn, may be confusing in winter
High Peters Kill	6	7	Signage	N/A	Insufficient	Unmarked intersection, turn not clear
High Peters Kill	6	8	Blazing	Missing	N/A	No markers, several trails

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Trail Name	Figure #	ID	Type	Blaze Issue	Sign Issue	Description/Photos
High Peters Kill	6	9	Blazing	Insufficient	N/A	Needs marking, far side. Turn blaze going E.
High Peters Kill	6	10	Signage	N/A	Insufficient	No signage of vista at compass rock. Overgrown vegetation ends
Indian Rock	8	1	Blazing	Insufficient	N/A	End of Trail: little or no blazing along trail, trail in excellent condition
Jenny Lane	6	1	Signage	N/A	Insufficient	No sign - easy to follow - road and powerline North bound
Meadow Paths	6	1	Blazing	Insufficient	N/A	
Meadow Paths	6	2	Blazing	Insufficient	N/A	
Meadow Paths	6	3	Blazing	Insufficient	N/A	Junction connector + O+W trail wet area; insufficient blazing
Meadow Paths	6	4	Signage	N/A	Insufficient	No directional sign at junction with Castle Point Carriageway
Meadow Paths	6	5	Signage	N/A	Insufficient	Junction upper Awosting Carriageway no sign
Meadow Paths	6	6	Blazing	Insufficient	N/A	Junction of unmaintained side trail with washout
Meadow Paths	6	7	Blazing	Insufficient	N/A	Junction of unmaintained side trail with washout
Meadow Paths	6	8	Blazing	Insufficient	N/A	Junction connector + O+W trail wet area insufficient blazing
Mine Hole-Berme Road Connector	9	1	Signage	N/A	Insufficient	Start of connector. no signage, hidden trail
Mine Hole-Berme Road Connector	9	2	Signage	N/A	Insufficient	no trace of trail from Berme Road
Mine Hole Road	9	1	Signage	N/A	Insufficient	no signage
Old Minnewaska	6	1	Signage	N/A	Insufficient	No start of trail sign

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Trail Name	Figure #	ID	Type	Blaze Issue	Sign Issue	Description/Photos
Old Minnewaska	6	2	Blazing	Worn	N/A	Trail blazes few and worn
Old Minnewaska	6	3	Blazing	Missing	N/A	Trail crossing/not marked PS stilt grass
Old Minnewaska	6	4	Blazing	Missing	N/A	Side graveled road not marked. Trail surface gravel
Old Minnewaska	6	5	Blazing	Missing	N/A	Intersection L turn marked, unmarked in
Old Minnewaska	6	6	Blazing	Missing	N/A	Trail unmarked from Kill, 14" tread
Old Minnewaska	6	7	Signage	N/A	Insufficient	End of Old Minnewaska - no signage.
Old Minnewaska	6	8	Blazing	Missing	N/A	Crossing unmarked trail L
Old Minnewaska	6	9	Blazing	Worn	N/A	Crosses 44/55 - between start and here basic maintenance., blazing, chain saw
Peter's Kill Climbing Area Trails	6	1	Signage	N/A	Needs Repair	"Climbing permit required" sign - plexiglass over older, paper sign
Peter's Kill Climbing Area Trails	6	2	Signage	N/A	Needs Repair	Sign on ground, fell off post "experimental area"
Peter's Kill Climbing Area Trails	6	3	Blazing	Insufficient	N/A	Could use an additional blaze
Peter's Kill Climbing Area Trails	6	4	Signage	N/A	Needs Repair	Interpretive panel, "climbing min. impact" pedestal cover rotting (wood) but cement footing OK
Peter's Kill Climbing Area Trails	6	5	Signage	N/A	Insufficient	Triple blazing indicating trail end when actual trail turns left and right
Peter's Kill Climbing Area Trails	6	6	Signage	N/A	Needs Repair	Sign should read "Archeologically sensitive area"
Peter's Kill Climbing Area Trails	6	7	Signage	N/A	Insufficient	Missing trailhead signage and blazes
Peter's Kill Climbing Area Trails	6	8	Signage	N/A	Insufficient	Interpretive kiosk - concrete falling apart, 2 signage panels missing
Peter's Kill Climbing Area Trails	6	9	Signage	N/A	Needs Repair	Trailhead (informational) "Climbing permit only" - plastic over paper looks old
Peter's Kill Climbing Area Trails	6	10	Blazing	Insufficient	N/A	No visible blaze

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Trail Name	Figure #	ID	Type	Blaze Issue	Sign Issue	Description/Photos
Peter's Kill Climbing Area Trails	6	11	Signage	N/A	Needs Repair	"Climbing permit required" sign - plexiglass over older, paper sign
Point Lookout	9	1	Signage	N/A	Insufficient	no trailhead sign
Point Lookout	9	2	Signage	N/A	Insufficient	Trail veers right off old road. no signage
Rainbow Falls	6	1	Signage	N/A	N/A	Sign for Rainbow Falls trailhead in great shape
Rainbow Falls	7	2	Signage	N/A	Insufficient	End of trail at Castle Point Carriageway, Signage needed on Castle Point Carriageway
Red Loop	6	1	Signage	N/A	Needs Repair	good sign but pulled out of the ground
Red Loop	6	2	Signage	N/A	Insufficient	no signage to lead to parking or stay on trail and no trail
Red Loop	6	3	Signage	N/A	Insufficient	Route clarification is needed. Also no trailhead apparent
Red Loop	6	4	Signage	N/A	Needs Repair	letters peeling
Red Loop	6	5	Signage	N/A	Needs Repair	trailhead (loop) signage good condition but confusing
Red Loop	6	6	Blazing	Worn	N/A	Blazing washed out. Illegible
Scenic Trail	7	1	Signage	N/A	Trailhead	Murray Hill Footpath to Mud Pond Scenic Trail/LP. ScenicTrailSignPN4_11-17-09
Scenic Trail	7	2	Signage	N/A	Insufficient	Signage Needed! Trail to left unmarked
Scenic Trail	7	3	Signage	N/A	N/A	Sign - Leave No Trace, Indicates entering private property
Spruce Glen	7	1	Signage	N/A	Insufficient	Stopped Here today, start of Spruce Glen Trail
Spruce Glen	7	2	Signage	N/A	Need Repair	End of trail, photo of existing sign. SpruceGlenSignPN1_11-17-09.jpg

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Trail Name	Figure #	ID	Type	Blaze Issue	Sign Issue	Description/Photos
Verkeerder Kill Falls	8	1	Signage	N/A	N/A	Beginning of trail - sign good
Wolf Jaw	7	1	Signage	N/A	Insufficient	Start of Wolf Jaw - No Sign, needs one
Wolf Jaw	7	2	Signage	N/A	Insufficient	Junction w/ Long Path, Sign needed
Yellow Connector	6	1	Blazing	Worn	N/A	Trail blaze damaged. Terminus signage good
Yellow Connector	6	2	Signage	N/A	Needs Repair	trailhead (loop) signage good condition but confusing
Yellow Connector	6	3	Blazing	Worn	N/A	Some blazing need refreshing. Terminus good signage

Culverts, Bridges and Additional Comments – Figures 10-13

Trail Name	Figure #	ID	Type	Condition	Description/Photos
Awosting Access	11	1	Culvert	Good	
Awosting Access	11	2	Additional comment		side trail/road left - go left
Awosting Access	11	3	Additional comment		3/4-dilapidated buildings with Danger sign. 5-large gravel area-potential parking. 6-flooded gravel pit. Awosting PN2 9-2-09 Decrepit entrance booth ; Awosting PN4 9-2-09 ; Awosting PN5 9-2-09 Potential parking by gravel pit ; Awosting PN6 9-2-09
Awosting Loop	11	1	Additional comment		Side road on right to gravel pit
Awosting Loop	11	2	Additional comment		Old side road on left
Awosting Loop	11	3	Culvert	Good	48" very good condition
Awosting Loop	11	4	Culvert	Good	48" very good condition
Awosting Loop	11	5	Additional comment		Old side road on right
Awosting Loop	11	6	Culvert	Good	48" fine shape, upper side has apron/funnel
Awosting Loop	11	7	Additional comment		Apparent footpath on right
Awosting Loop	11	8	Culvert	Good	36" metal
Awosting Loop	11	9	Additional comment	Fair	
Awosting Loop	11	10	Culvert	Good	48" metal culvert, good condition with water flowing
Awosting Loop	11	11	Additional comment		Slope +17% end
Awosting Loop	11	12	Additional comment		End of Awosting Loop Assessment on 9/2/09. trail continues but we are continuing on Wood Road 1
Awosting Loop	11	13	Culvert	Poor	Crushed; shale is eroding under road. Awosting PN7 9-2-09
Awosting Loop	11	14	Culvert	Fair	1.5-2 feet diameter, 18 feet long, bottom is rotting out, sufficient size, some erosion on trail.
Awosting Loop	11	15	Culvert	Fair	3 feet diameter, 18 feet long, rotting on bottom, sufficient size
Awosting Loop	11	16	Culvert	Good	1.5-2 feet diameter, 18 feet long, sufficient size, good condition
Awosting Loop	11	17	Culvert	Fair	sufficient size, very squashed at the end, 2.5 feet diameter, dry, 17 feet length

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Trail Name	Figure #	ID	Type	Condition	Description/Photos
Awosting Loop Access	11	1	Additional comment		Wire across part of path
Awosting Loop Access	11	2	Additional comment		Clearing: gravel pit or old road
Awosting Woods Road 1	11	1	Culvert	Good	8-10" plastic, good shape
Awosting Woods Road 1	11	2	Culvert	Fair	Metal, 18", ok
Awosting Woods Road 1	11	3	Culvert	Good	12" good shape, gully across road to east
Awosting Woods Road 1	11	4	Additional comment		Woods road across, access to Breul Lane?
Awosting Woods Road 1	11	5	Culvert	Fair	6-8" upper side clogged, wet area
Awosting Woods Road 1	11	6	Additional comment		possible trail to right
Awosting Woods Road 1	11	7	Additional comment		Trail to right to Peaceable Rd
Awosting Woods Road 1	11	8	Additional comment		start of gravel part of woods road
Awosting Woods Road 1	11	9	Culvert	Fair	4 feet diameter, 18 feet long. Waterfall - Thoreau Falls. Trail is overgrown with too many tree branches
Awosting Woods Road 1	11	10	Culvert	Good	culvert near falls (south of road) Thoreau Falls
Awosting Woods Road 2	11	1	Additional comment		split turn left, great view over shale pit
Awosting Woods Road 2	11	2	Additional comment		Large rusty oil? tank. Awosting PN1 9-4-09 Waypoint 7 - oil tank
Awosting Woods Road 2	11	3	Additional comment		Old shack location. Go straight/veer left - gravel ends. To right - road is washed out and dead falls. Awosting PN 9-4-09 collapsing shack, private-public border ; Awosting PN 9-4-09 collapsing shack-private-public border

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Trail Name	Figure #	ID	Type	Condition	Description/Photos
Awosting Woods Road 2	11	4	Additional comment		Logging roads left and right. we go straight
Awosting Woods Road 2	11	5	Additional comment		trail on right is a dead end
Awosting Woods Road 2	11	6	Additional comment		Split - wet right (east). 014-015 assessed 9/2/09
Berry Picker Trail	12	1	Additional comment		Trailhead. Good Signage
Blueberry Run	10	1	Bridge	Fair	Improved bridge, 2 boards replaced recently, others wearing/bending
Blueberry Run	10	2	Bridge	Poor	Bridge over Peter's Kill, 45' long 4' wide, some boards are rotting and need to be replaced
Bull Wheel (White)	10	1	Bridge	Good	side hill trail improvement
Bull Wheel (White)	10	2	Additional comment		trail slope good condition
Gertrude's Nose	11	1	Additional comment		scenic vista
Gertrude's Nose	11	2	Additional comment		scenic vista
High Peters Kill	10	1	Bridge	Poor	Wood bridge, 54"W x 30" L deck in poor shape.
High Peters Kill	10	2	Bridge	Fair	Wood bridge, 54"Wx20"L. Side rails, mossy, 1 rail maint.
High Peter's Kill	10	3	Bridge	Poor	Repairs in progress. End point of trail.
High Peters Kill	10	4	Additional comment	Fair	short social path to vista
High Point Trail	12	1	Additional comment		End of High Point Trail at High Point CW (50' in is about 30' of bog bridge)
Indian Rock	12	1	Bridge	Good	Trailhead: good Signage, Bog Bridge 330' long, excellent condition, 33 sections of 10' each
Indian Rock	12	2	Additional comment		Alternate path created next to trail for about 80 feet.

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Trail Name	Figure #	ID	Type	Condition	Description/Photos
Jenny Lane	10	1	Bridge	Good	Older but in fine condition - 2004? (300')
Jenny Lane	10	2	Bridge	Good	Bypass created by hikers.
Jenny Lane	10	3	Bridge	Good	Bypass to go around soft area
Jenny Lane	10	4	Bridge	Good	Intersection by LA CW. Here North needs blazing
Meadow Paths	10	1	Culvert	Poor	Approximately 18", damaged culvert, partially clogged. MeadowPaths PN2 8-4-09.jpg
Meadow Paths	10	2	Culvert	Good	Working OK
Meadow Paths	10	3	Culvert	Fair	Road washed out, culvert appears blocked. MeadowPaths PN6 8-4-09 ; MeadowPaths PN7 8-4-09 ; MeadowPaths PN8 8-4-09
Meadow Paths	10	4	Culvert	Poor	Culvert not functioning - blocked?
Meadow Paths	10	5	Culvert	Poor	2 about 40' apart, do not appear to be functioning
Meadow Paths	10	6	Culvert	Good	
Meadow Paths	10	7	Culvert	Fair	Pond drain, some pond overflow/washout. MeadowPaths PN13 8-4-09.jpg ; MeadowPaths PN14 8-4-09
Meadow Paths	10	8	Culvert	Fair	
Meadow Paths	10	9	Bridge	Good	10'x10' bridge - oak good condition
Mine Hole Road	13	1	Additional Comment		Gate next to stream. start point at Foordmore Rd
Mine Hole Road	13	2	Additional Comment		unmarked side trail to the left
Mine Hole Road	13	3	Culvert	Poor	old iron culvert and erosion
Mine Hole Road	13	4	Culvert	Poor	corroded but working culvert
Mine Hole Road	13	5	Additional Comment		former bridge (road must have been on the other bank)
Mine Hole Road	13	6	Additional Comment		split keep right
Mine Hole Road	13	7	Additional Comment		Road veers right. overgrown path straight ahead
Mine Hole Road	13	8	Additional Comment		split - keep right
Mine Hole Road	13	9	Additional Comment		split - keep right
Mine Hole Road	13	10	Additional Comment		2 large cairns off the road. Bootleg trail to right. MineHole PN5 9-3-09

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Trail Name	Figure #	ID	Type	Condition	Description/Photos
Mine Hole Road	13	11	Additional Comment		Great viewpoint; large cairn (Panther Rock Trail?). MineHole PN6 9-3-09
Mine Hole Road	13	12	Additional Comment		followed cairns from waypoint 29 to viewpoint
Mine Hole Road	13	13	Additional Comment		great view - cairn behind rock
Mine Hole Road	13	14	Additional Comment		garbage (historic?) mattress, pot, refrigerator, etc.
Mine Hole Road	13	15	Additional Comment		Old cabin. MineHole PN8 9-3-09
Mine Hole Road	13	16	Additional Comment		side trail - right
Mine Hole Road	13	17	Additional Comment		Smiley CW
Mossy Glen	10	1	Bridge	Good	Good condition - pix? descend or bridge eroded
Mossy Glen	10	2	Additional Comment		Slippery rock
Mossy Glen	10	3	Additional Comment		Slab rock slippery
Mud Pond Trail	11	1	Additional Comment		Side trail to old shale pits
Mud Pond Trail	11	2	Additional Comment		Shale pit
Mud Pond Trail	11	3	Additional Comment		Clearing with turnaround, views possible?
Mud Pond Trail	11	4	Culvert	Good	24" culvert - good shape but south end is 1/2 full of silt
Mud Pond Trail	11	5	Culvert	Poor	Plastic 10" culvert partly obstructed with silt
Mud Pond Trail	11	6	Additional Comment		End of Mud Pond Road/start of Mud Pond Access
Old Minnewaska	10	1	Culvert	Needs Repair	Not functioning - overflow running down trail to #2
Old Minnewaska	10	2	Additional Comment	Good	Side trail avoiding two wet rocks
Old Minnewaska	10	3	Additional comment	Good	Small millstone quarry to N of trail
Peter's Kill Climbing Area Trails	10	1	Additional comment		Connection for Cliff Top Trail

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Trail Name	Figure #	ID	Type	Condition	Description/Photos
Peter's Kill Climbing Area Trails	10	2	Bridge	Fair	Turnpike, rotten logs on side, open stone culvert needs clearing, sign "climbing permit only"
Peter's Kill Climbing Area Trails	10	3	Culvert	Fair	Turnpike, rotten logs on side, open stone culvert needs clearing, sign "climbing permit only"
Peter's Kill Climbing Area Trails	10	4	Additional comment		Starting point for spur trail - north side of access road to "Dreaming of PJ" rock climbing route
Peter's Kill Climbing Area Trails	10	5	Additional comment		Start of spur trail on Eastern side of turn around loop
Peter's Kill Climbing Area Trails	10	6	Additional comment		Rock scramble through talus
Peter's Kill Climbing Area Trails	10	7	Culvert	Good	Culvert ~ 24" - made of stone
Peter's Kill Climbing Area Trails	10	8	Additional comment	Good	Starting point from Peters Kill East end of parking lot heading to helicopter LZ
Peter's Kill Climbing Area Trails	10	9	Bridge	Fair	Turnpike, rotten logs on side, stones in center
Red Loop	10	1	Additional comment		end of juncture to new red loop
Scenic Trail	11	1	Bridge	Fair	two sections of bog bridge- need more, very muddy, standing water from one outlet of pond
Scenic Trail	11	2	Bridge	Good	Bog Bridge near Mud Pond, 10 sections of 10-12' lengths
Scenic Trail	11	3	Additional comment		Another Trailhead to the right
Scenic Trail	11	4	Additional comment		Another trail straight ahead, tread width 14"
Scenic Trail	11	5	Additional comment		Start of Scenic Trail on Spruce Glen
Scenic Trail	11	6	Additional comment		Margaret Cliff?
Scenic Trail	11	7	Additional comment		End of narrow cave with aqua blazes. See photo (not available). little spur trail makes loop back to #3

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Trail Name	Figure #	ID	Type	Condition	Description/Photos
Scenic Trail	11	8	Additional comment		Great Spot! Trail Goes thru a cave overhang area. ScenicTrailCavePN1 11-17-09
Verkeerder Kill Falls	12	1	Bridge	Fair	Double planking through seasonally wet area, could be extended on both ends
Verkeerder Kill Falls	12	2	Additional comment		Old trail veers to the left
Verkeerder Kill Falls	12	3	Additional comment		Location of rerouted trail, hikers continue to old trail
Wolf Jaw	11	1	Culvert	Poor	16'x15" diameter culvert needs to be longer, Stream jumping culvert washing out trail
Wolf Jaw	11	2	Additional comment		Shale pit at end of trail, END
Yellow Connector	10	1	Additional comment	Poor	debris dam blocking stream preventing flow
Yellow Connector	10	2	Culvert	Poor	Semi-covered and damaged. 3'
Yellow Connector	10	3	Bridge	Good	Turnpike in good condition. 3'x45'

Appendix C – Trail Assessment Photos

Conditions Assessments – Figures 2-5

Awosting_PN10 9-2-09 Turnaround point of assessment



Awosting_PN2 9-4-09



Awosting_PN9 9-2-09 Stream crossing and erosion



Awosting_PN3 9-4-09



[Awosting_PN4 9-4-09 waypoint 16 serious erosion](#)



[MeadowPaths_PN4 8-4-09](#)



[MeadowPaths_PN1 8-4-09](#)



[MeadowPaths_PN5 8-4-09](#)



[MeadowPaths PN9 8-4-09](#)



[MeadowPaths PN11 8-4-09](#)



[MeadowPaths PN10 8-4-09](#)



[MeadowPaths PN12 8-4-09](#)



[MeadowPaths PN15 8-4-09](#)



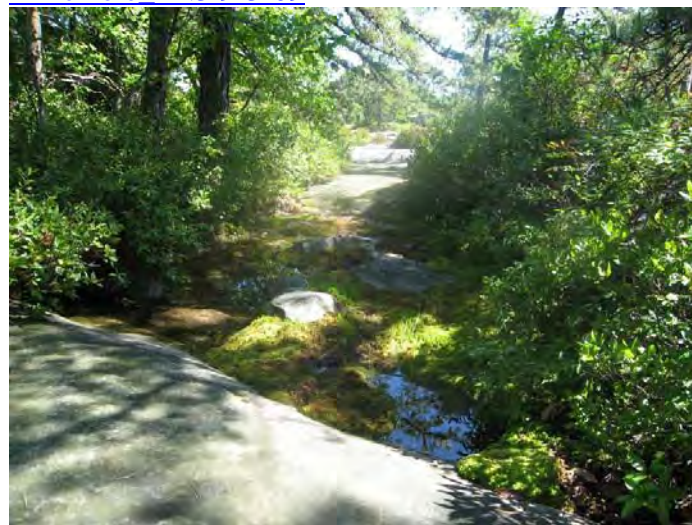
[MineHole PN2 9-3-09](#)



[MineHole PN1 9-3-09](#)



[MineHole PN3 9-3-09](#)



[MineHole PN9 9-3-09](#)



[MudPond PN1 9-22-09 stilt grass - not sure](#)



[MudPondTrailPN5 11-17-09](#)



[Old Minnewaska PN3 8-4-09](#)



[Old Minnewaska PN4 8-4-09](#)



[Old Minnewaska PN2 8-4-09](#)



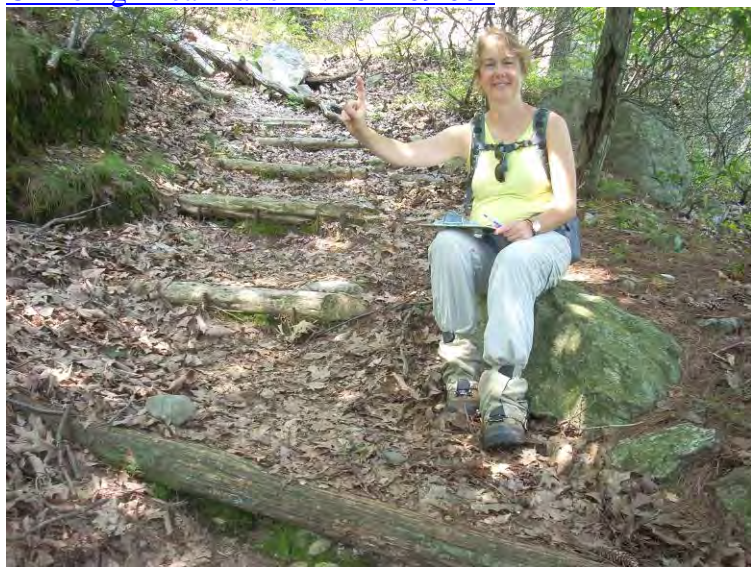
[Old Minnewaska PN1 8-4-09](#)



[Old Minnewaska PN5 8-4-09](#)



[Climbing Area Trails PN1 8-4-09 002](#)



[RainbowFallsTrail1A-WP3](#)



[RainbowFallsTrail1- WP3](#)



[RainbowFallsTrail2 - WP5](#)



[ScenicTrailStreamCrossPN2_11-17-09](#)



Blazing and Signage Assessments – Figures 6-9

[Awosting PN1 9-2-09 Signage at AR gate](#)



[SpruceGlenSignPN1 11-17-09](#)



[ScenicTrailSignPN4 11-17-09](#)



Culverts, Bridges and Additional Comments – Figures 10-13

[Awosting PN2 9-2-09 Decrepit entrance booth](#)



[Awosting PN5 9-2-09 Potential parking by gravel pit](#)



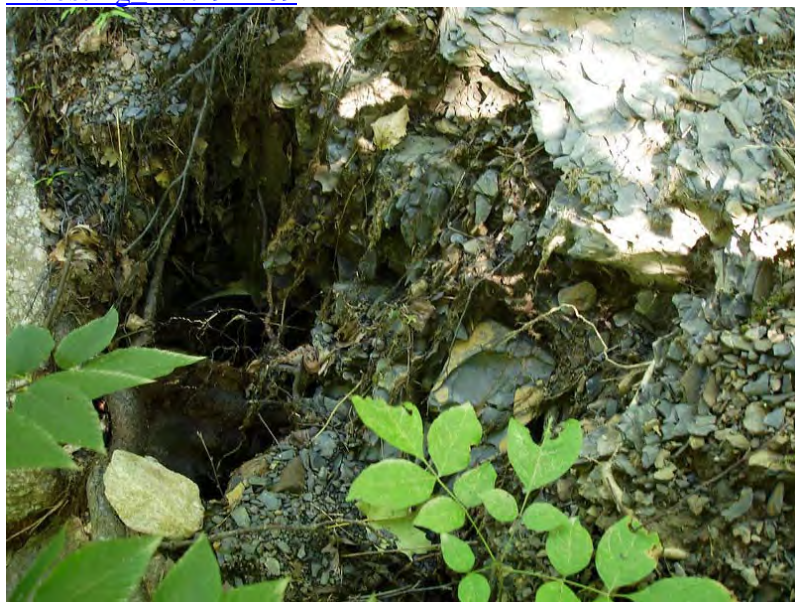
[Awosting PN4 9-2-09](#)



[Awosting PN6 9-2-09](#)



[Awosting_PN7 9-2-09](#)



[Awosting_PN 9-4-09 collapsing shack, private-public border](#)



[Awosting_PN1 9-4-09 Waypoint 7 - oil tank](#)



[Awosting_PN 9-4-09 collapsing shack-private-public border](#)



[MeadowPaths PN2 8-4-09](#)



[MeadowPaths PN7 8-4-09](#)



[MeadowPaths PN6 8-4-09](#)



[MeadowPaths PN8 8-4-09](#)



[MeadowPaths PN13 8-4-09](#)



[MineHole PN5 9-3-09](#)



[MeadowPaths PN14 8-4-09](#)



[MineHole PN6 9-3-09](#)



[MineHole PN8 9-3-09](#)



[ScenicTrailCavePN1 11-17-09](#)





Appendix D Annual Project Work Plan - Trails

(Submit to Park Manager for review and approval prior to commencing work)

For ALL trail work beyond standard maintenance practices (blazing, clearing brush from treadway/tree pruning, maintenance of erosion control structures) on existing designated trails.

State Park Name: _____ Year: 20__

Organization:
Contact Name:
Contact Address:
Contact Phone #:
Contact Email Address:

Trail Name:
Description of location of trail section to be worked on (if applicable):

GPS coordinates if available (Lat/Long): _____
(Format: Decimal Degrees; Datum (circle one): NAD27, 83 or WGS84 (preferred))

- Type of work (check all that apply):
- Re-alignment/relocation of trail section
 - New trail development (includes designating new trails)
 - Tread upgrades including installation of water management structures
 - Bridge construction/replacement
 - Trail Closure
 - Other: _____

Scope of work included in Trails Plan: Yes No (If no, requires additional review of proposal)

Description of work: (be specific including rock moving, tree cutting, trail work within 100 ft. of a water body/wetland, bridge work *(may require DEC permit)*, construction of switchbacks or retaining walls, culvert and turnpike installation, etc.)

Work Schedule:

- Attached map depicting area of work (required).
- Digital photo (before) Digital photo (after)

Submitted by (print name):
Date:

Signature:

Approved by Park Manager (print name):
Date:

Signature:

Forward copy to Regional Natural Resource Steward and Capital Facilities Manager.