



# BELLEAYRE MOUNTAIN SKI CENTER

# FINAL PROPOSED 2023 AMENDMENT

# ΤΟ ΤΗΕ

# 2015 BELLEAYRE MOUNTAIN SKI CENTER UNIT MANAGEMENT PLAN

**OLYMPIC REGIONAL DEVELOPMENT AUTHORITY** 

181 Galli Curci Road PO Box 313 Highmount, NY 12441

#### OFFICE OF THE COMMISSIONER

New York State Department of Environmental Conservation 625 Broadway, 14th Floor, Albany, New York 12233-1010 P: (518) 402-8545 | F: (518) 402-8541 www.dec.ny.gov

#### MEMORANDUM

TO: The Record

**FROM:** Basil Seggos

SUBJECT: Belleavre Ski Center Unit Management Plan Amendment

The Unit Management Plan amendment for the Belleayre Ski Center has been completed.

The amendment is consistent with Environmental Conservation Law, and Department Rules, Regulations and Policies and is hereby approved and adopted.

Basil Seggos Commissioner New York State Department of Environmental Conservation

4/28/23 Date:



Prepared by: The Olympic Regional Development Authority 2634 Main Street, Lake Placid, New York 12946 (518) 523-1665 Contacts: Robert W. Hammond & Emma G. Lamy and Belleayre Mountain Ski Center 181 Galli Curci Road, PO Box 313 Highmount, NY 12441 (845) 254-5600

In cooperation with: The NYS Department of Environmental Conservation

#### **Private Consultants:**

The LA Group, Landscape Architecture and Engineering, P.C. 40 Long Alley, Saratoga Springs, New York 12866 (518) 587-8100 Contact: Kevin Franke

Submitted: March 10, 2023

#### **Executive Summary**

The New York State Olympic Regional Development Authority (Olympic Authority) proposes to amend the 2015 Unit Management Plan (UMP) for the Belleayre Mountain Ski Center Intensive Use Area (Belleayre or the Ski Center) to include construction of a new gondola cabin maintenance building, beginner area with conveyor lift, and a staircase connecting parking lots A & B. Also included in the new management actions for this 2023 UMP Amendment (UMPA) are proposed electric vehicle charging stations, a pre-fabricated restroom building, expansions to the administration building and Longhouse Lodge, development of new hiking and mountain biking trails, modifications to existing Nordic and Alpine trails, including widening of existing trails and abandonment of previously approved Alpine trails, the replacement and realignment of the existing Lift 7, and relocation of the previously approved snowmaking reservoir (see **Figure 1. Master Plan** attached to this UMPA). More detailed descriptions of the 2023 proposed new management actions are in Section 3 of this UMPA.

The purpose and need for the actions described in this UMPA is to update and modernize facilities at Belleayre that will achieve greater operational efficiencies and meet the needs of additional user demand, while simultaneously complying with Article XIV of the New York State Constitution, the Adirondack Park State Land Master Plan, and Executive Order No. 22.

The Nordic trails at the Ski Center will be modified by the construction and designation of a proposed 2.5 km (1.6 mile) loop that will be greater than 30-feet wide to accommodate snowmaking. This loop will utilize 0.25 mile of existing Nordic trail, currently only 8-feet wide. The 1.6-mile Nordic loop will be added to the Ski Center's total mileage of trails over 30 feet wide, in addition to the proposed beginner area near the summit, which will add 293 feet of new trail.

The Olympic Authority is proposing widening sections of the following existing Alpine trails: Utsayantha, Cayuga, and Deer Run. In addition, an existing maintenance road will be widened and converted into an alpine trail (Goat Path) that will connect to the Utsayantha trail and provide a less difficult alternative for skiers to descend from the summit. The following previously approved Alpine trails are no longer proposed: Cathedral Brook (upper section), West-1, West-2, West-6, and HMT-9B. The combined length of these trails is approximately 1.6 miles. This mileage will be subtracted from the Ski Center's total mileage of trails over 30 feet wide; see Table 1 below, and provided in Exhibit 2 attached to this UMPA, for a summary of the trail mileage at Belleayre.

Summary of Totals		(In Miles)
Total Existing Trails on Intensive Use (IU) Lands		17.92
Total Approved / Not Constructed Trails on IU Lands	+	2.60
Total Existing and Approved Trails on IU Lands		20.52
Total Ex. / Approved Trails to be Abandoned on IU Lands	(-)	1.69
Total Proposed Trails on IU Lands	+	1.69
Total Existing/Approved and Proposed Trails on IU Lands		20.52
Constitutional Trail Mileage Limit		25.00
Total Trail Mileage Remaining		4.48
Total Existing/Approved and Proposed Trails on IU Lands		20.52
Total Existing Glades	+	0.76
Total Ex./Approved, Proposed Trails & Glades on IU Lands		21.28
Approved Trails on Highmount Parcel	+	2.23
Total Ex./Approved, Proposed Trails & Glades Including		23.51
Highmount		

Table 1. Trail and Glade Mileage Summary

The addition of 1.6 miles of new Nordic trails, and the abandonment of 1.6 miles of previously approved trails, will result in a no-net-increase of miles of ski trails at Belleayre. As a result, the total miles of existing and proposed ski trails at Belleayre is 20.52, which is 4.48 miles below the NYS Constitutional limit of 25 miles. Additionally, the amount of trails greater than 120 feet wide and less than 200 feet wide will remain 0.2 mile, which is well below the five (5) mile limit for such wider trails that was established in the 1987 amendment to Article XIV.

As part of this UMPA, the Olympic Authority has performed an environmental assessment of the proposed new management actions. The potential for the following small adverse impacts were identified and evaluated; however, no significant adverse impacts were identified, and a negative declaration has been issued; see Parts 2 and 3 of **Exhibit 1** of this UMPA for additional detail.

- Potential impacts on Surface Water
- Potential impacts on Flooding
- Potential impacts on Plants and Animals
- Potential impacts on Aesthetic Resources
- Potential impacts on Historic and Archaeological Resources

Resources identified within the Ski Center are described and mapped in Exhibits 1 through 9 attached to this UMPA. Impacts from the proposed actions will be largely avoided to the extent practicable. All construction activities will use best management practices in accordance with a Storm Water Pollution Prevention Plan (SWPPP), and all stream crossings will follow U.S. Army Corps of Engineers (USACE) and NYSDEC guidance. It is anticipated that if any impacts are identified that exceed regulatory thresholds, the Olympic Authority will file for a permit or seek necessary approval from the appropriate regulatory authority prior to construction.

Section 5 of this UMPA contains descriptions of additional permits or approvals that may be required following approval of this UMPA and prior to construction.

Eleven (11) Exhibits at the end of this UMPA provide additional supporting information for various topics including trail mileage, natural resources mapping, tree counts, stormwater management, visibility, and the NY State Environmental Quality Review Act (SEQRA) assessment of the 2023 new management actions.

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# I. Introduction

# A. Purpose of the Amendment

The Belleayre Mountain Ski Center (Belleayre or the Ski Center) is seeking an Amendment to the original 2015 Unit Management Plan (UMP) to achieve greater operational efficiencies and meet the needs of additional user demands. Belleayre is a classified Intensive Use Area (IUA) within the Catskill Park Forest Preserve.

The Belleayre UMP was adopted in 2015, which proposed and authorized numerous changes to modernize and expand the Ski Center, as well as address future needs. An Amendment to the UMP was approved in 2020 which authorized important upgrades and improvements to existing Ski Center facilities and infrastructure.

This UMP Amendment proposes the following actions in order of priority (Figure 1):

- 1. Replacement and Realignment of Lift 7 and Construction of a Skier Bridge;
- 2. Modifications to Alpine Trails;
- 3. Modifications to Nordic Trails;
- 4. Development of Hiking and Mountain Biking Trails;
- 5. Expansion of Administration Building;
- 6. Expansion of Longhouse Lodge;
- 7. Installation of Staircase Connecting Parking Lots A&B;
- 8. Construction of a Gondola Cabin Maintenance Building;
- 9. Construction of an Additional Beginner Area with Conveyor Lift;
- 10. Relocation of Previously Approved Snowmaking Reservoir;
- 11. Installation of Electric Vehicle Charging Stations; and
- 12. Installation of Pre-Fabricated Restroom Building.

All listed actions above are herein referred to as the Project. All land proposed for new construction, modification, or replacement of existing infrastructure in the immediate vicinity of each proposed action, when combined, total approximately 22.5 acres and comprise the Project Site for Belleayre (see Figure 1).

### **B.** Planning Area Overview

The Belleayre Mountain Ski Center, located in the Town of Shandaken, Ulster County, New York (see Figure 2), is owned by the State of New York. The management and operation of the Facility

is the responsibility of the New York State Olympic Regional Development Authority (the Olympic Authority).

# **C. Planning History**

#### 2015 Unit Management Plan

The 2015 UMP proposed and authorized numerous changes to modernize and expand the Ski Center as well as address future needs (see Figure 3). These changes can generally be categorized as:

- Replacement of old and outdated equipment with more modern and energy-efficient equipment;
- Renovation of infrastructure, lodges, and amenities; and
- Improvement of ski trails and lift systems to maximize the quality of the skiing experience.

While Figure 3 contains all previously approved management actions, the following provides a summary of details of those previously approved management actions that have since been improved or completed:

<u>Discovery Lodge Expansion</u>: The goal of expanding the Discovery Lodge was to update the building to current standards. Specifically, to provide more guest seating in the cafeteria and lounge, address food preparation areas, provide a unified main entrance, expand the youth ski program space and update program areas, modernize public areas and the building's heating, cooling, and air conditioning (HVAC) systems, enhance the building's electrical service and emergency power supply, address non-conforming preexisting conditions which are contrary to the Uniform Building and Fire Code, address ADA compliance issues, improve the building's envelope, including corrections to the rooflines, incorporate improvements to horizontal and vertical flow for guests and staff, and improve ticketing and retail areas to provide for a building that meets the goals of a modern ski center.

<u>Discovery Lift</u>: The Discovery Lift was approved in 2015 as a new ski lift, extending from the Discovery Lodge to the summit of Belleayre on the western side of the ridge. This was proposed to aid in the disbursement of skiers and to allow skiers of intermediate and advanced ability levels to enjoy the terrain on the popular western side of the mountain with just one lift ride, while still being able to take advantage of the updated

facilities at the Discovery Lodge. The construction of the Discovery Lift was completed in 2017 as the Catskill Thunder Gondola.

<u>Novice Lift Replacement</u>: The replacement of the 1982 Parallel Double (Lifts 1 and 2)was approved in 2015. The replacement of these lifts with the fixed-grip "Lightning" quad was completed in 2019.

<u>Surface Lift Replacement</u>: The replacement of the handle tow lift (Lift #5) was approved in 2015. A conveyor lift was installed in the summer of 2018 in a different alignment.

<u>Deer Run Extension with Skier Bridge</u>: This action was approved in 2015 to provide skiers with a more efficient skiable alternative to the Discovery Lodge from the western slopes without having to cross over several trails and circumnavigate the Overlook Lodge. The Deer Run skier bridge was proposed to cross over the existing entrance road and allow the existing Deer Run Trail to be extended down to the Discovery Lodge. This would allow this intermediate run to become one of the longest in the region. This action was completed in 2017.

<u>Improved Snowmaking</u>: An important element to operating a successful ski area in the Northeastern United States is the ability to make snow as needed. Snowmaking enables the area to open earlier and close later in the season and creates more consistent and safer trail conditions. Therefore, in addition to the features listed above, a general goal was identified in the 2015 UMP to address the increased snowmaking demand within Belleayre, while improving energy efficiency at the same time.

The water pumping and air compression functions of the snowmaking process were identified as an area where upgrades would be beneficial. One proposal approved in the 2015 UMP was to remove the existing diesel-powered compressed air system from the Upper Mountain pumphouse and to install a high-efficiency electric-powered compressed air system in a newly constructed 7,000 square-foot building. The location of the building was to be sited on the southernmost end of the existing Parking Lot G.

Also approved in the 2015 UMP was a proposal to reconfigure and upgrade the water pumping system within the existing Upper Mountain pumphouse with new pumps, controls, and electrical equipment.

Although snowmaking infrastructure upgrades are ongoing, the following management actions, originally approved in 2015, are now complete: the Discovery Lodge expansion, construction of

the new Discovery Lift, replacement of the Novice Lift, replacement of the Beginner Lift, extension of Deer Run with the skier bridge, and improved snowmaking.

#### 2020 Amendment

A second UMP amendment for Belleayre was adopted in 2020. The primary focus of the 2020 Amendment was to improve energy efficiency and reduce energy demands (and related costs). To achieve this, it was determined that the water pumping and air compression systems would be co-located within the same structure. Rather than utilizing the original site location for the air compression system identified in the 2015 UMP, Ski Center managers proposed a more centralized and co-located facility closer to the electrical service and situated approximately 700 feet east of the original location (see Figures A & B from the 2020 Amendment).

# D. State Environmental Quality Review (SEQR)

The State Environmental Quality Review Act (SEQRA) requires the consideration of environmental factors early in the planning stages of any proposed action(s) that are undertaken, funded or approved by a local, regional or state agency. A Full Environmental Assessment Form (FEAF; see Exhibit 1) is used to identify and analyze relevant areas of environmental concern based upon the management actions in the draft UMP. A SEQRA review was conducted for the proposed actions, and a FEAF was prepared. The FEAF determination found no significant adverse impact on the environment and a negative declaration was issued.

# **II. No Action Alternative**

The no action alternative involves operating the ski center "as is" without providing any new improvements, modernizations, or expansions.

The no action alternative would have a negative impact on the enjoyment, reliability, and safety of the skiing public. Without upgrading the infrastructure and implementing additional features (i.e., gondola cabin maintenance building, additional ski trails, parking lot staircase connector, etc.), the overall function of the mountain may become undesirable. If necessary improvements to the function of the mountain do not occur, the enjoyment and experience of skiers who visit Belleayre will suffer, and will ultimately result in the deterrence of the skiing population. As the number of skier visits declines, revenue will be lost which could result in losing opportunities to continue improving the quality of the guest experience, until it becomes uneconomical for the Facility to remain in operation.

The no action alternative would result in little up front capital construction costs. However, if no action is taken, existing features will continue to deteriorate, and skiers may choose to ski at more modern and better maintained ski areas that provide improved amenities. Over time, this choice could be expected to result in declining revenues for the Ski Center and surrounding area.

# **III. Proposed Management Actions**

# A. Description of Proposed Work

See the following sections for photos and descriptions of the existing conditions and proposed management actions for each individual action described in Section I(a). The 12 proposed management actions described below are listed in order of priority.

# 1. Replacement and Realignment of Lift 7 and Construction of a Skier Bridge

#### **Existing Conditions**

The current location of Lift 7 does not allow skier access from the top of the Lightning Quad (Lift 1), making it difficult for skiers to access the entire mountain. Belleayre does not offer an efficient skier route from the upper trails serviced by Lift 7 to the lower trails serviced by the Lightning Quad (Lift 1). The upper trails serviced by Lift 7 terminate at the uphill side of the Overlook Lodge, therefore infrastructure is needed to provide access around the Overlook Lodge to the lower trails.

#### **Proposed Management Action**

#### Lift 7 Replacement and Realignment

The proposed action is to replace and realign the existing Lift 7 (Figure 4). The lift line will be extended over the parking lot to Mohican Trail to allow skier access from the top of Lift 7. This extension will total approximately 665 linear feet. With the realignment and extension, the lift will be 3,500 feet long and cover a 900-foot vertical. The ski towers will be approximately 60 feet tall and sit approximately 175 feet apart. This realignment will give skiers on Lift 7 additional room to unload.



Image 1: Existing Base of Lift 7



Image 2: Existing Top of Lift 7

#### <u>Skier Bridge</u>

The construction of a skier bridge over the parking lot is also proposed (Figure 4). The skier bridge installation will provide access for skiers to the bottom of the relocated Lift 7. The proposed skier bridge will be 40 feet wide, which is wide enough to accommodate a snow grooming machine. The bridge will begin at the existing bottom terminal of Lift 7 and cross over the existing paved parking area. There will be a bridge opening to pass two lanes of traffic beneath the bridge deck. In addition to a skier bridge, one other alternative was also considered.

A skier tunnel was previously evaluated as a potential alternative to the proposed skier bridge (see Figure 4a for the grading plan associated with the skier tunnel). Through additional analysis, it was found that the skier tunnel would require significant excavation and fill, as well as an intensive redesign of stormwater flow and long-tern stormwater management. Through the completion of these efforts, it was determined that the skier tunnel would be a significantly more expensive project overall when compared to the skier bridge. Therefore, the Olympic Authority choose the skier bridge as a much more appropriate solution.



Image 3: Proposed Location of Skier Bridge from Base of Lift 7

#### Queueing Area Improvements

The creation of a queueing area is proposed in an effort to accommodate the new traffic flow of skiers from the upper mountain trails to the new Lift 7 bottom terminal. Creation of the queueing area will require regrading around the Overlook Lodge and at the new Lift 7 bottom terminal. See Figure 4c for the Grading Plan associated with the proposed Queueing Area Improvements.

# 2. Modifications to Alpine Trails

#### **Existing Conditions**

Cathedral Brook is an existing ski trail off the East side of Belleayre, that is also used during the summer months for recreation. West-1, West-2 (lower), and HMT-9B are previously approved conceptual alpine trails approved in the 2015 UMP, as well as West-2, West-3, and West-5. Cayuga and Deer Run are existing intermediate alpine trails at Belleayre. Currently, the Utsayantha Trail is rated most difficult, which does not accommodate intermediate skiers and does not all allow for snowmaking. The Goat Path is an existing, narrow work road. Please see Figure 2 in Exhibit 2 – Trail Inventory and Analysis for existing and previously approved trails.

#### **Proposed Management Actions**

The proposed trails in the Belleayre West area have been revised either through abandonment or realignment to accommodate how the current trail network operates today. The focus of these changes is to reduce the number of intersections in our more popular trails in the area including Dot Nebel and Deer Run. The base terminal of the proposed Belleayre West lift was adjusted to be more uphill, reducing the runout and the trails in that area were adjusted accordingly.

A. Abandonment of Previously Approved and Existing Alpine Trails

- 1. Abandon upper section of Cathedral Brook
- 2. Abandon West-1
- 3. Abandon West-2 (lower)
- 4. Abandon West-6
- 5. Abandon HMT-9B
- B. Realignment of Previously Approved and Existing Alpine Trails
  - 1. Realign West-2
  - 2. Realign West-3
  - 3. Realign West-5
- C. Widening of Existing Alpine Trails

1. Utsayantha: The proposed action is to modify the existing Utsayantha and Goat Path trails (Figure 4, Sheet 2). Utsayantha Trail will be widened anywhere from 40 feet to 60 feet to allow for ample snowmaking and will modify the existing trails conditions to accommodate intermediate skiers. A full trail inventory and analysis can be found in Exhibit 2. Tree cutting will be required for this effort and tree counts have been completed. For a full analysis of tree counts please see Exhibit 3. Additionally, see Figures 5a and 5b which illustrate the slope and elevation profile of the proposed Utsayantha Trail widening. A work plan is currently in progress.

2. Cayuga: The proposed action is to widen the existing Cayuga trail anywhere from 20 to 75 feet where it meets the existing Deer Run trail (see Figure 1). This trail widening will allow for additional skier capacity.

3. Deer Run: The proposed action is to widen the northern and southern portions of Deer Run where it meets the existing Cayuga trail (see Figure 1). Trail widening along the northern portions of Deer Run will be anywhere between 20 to 110 feet, while widening of the southern portions where it meets Cayuga are anticipated to be 15 to 50 feet. Trail widening at this point of connect will allow for additional skier capacity.

# 3. Modifications to Nordic Trails

#### **Existing Conditions**

The existing Nordic trails at Belleayre total 3.6 miles: Raccoon Ridge (0.76-mile [1.2 km]), Woodchuck Way (0.65-mile [1.04 km]), Eagle Alley (0.63-mile [1.0 km]), Porcupine Path (0.96 miles [1.5 km]), and Bobcat Boulevard (0.64-mile [1 km]). These trails are approximately 8 feet wide which does not accommodate adequate space to allow for snowmaking or grooming, as there are currently very few options for groomed Nordic trails with snowmaking. These trails are currently not listed on the Belleayre map of open trails.

#### **Proposed Management Action**

The proposed action is to create a 2.5-kilometer (km) loop using the existing cleared crosscountry trails as much as possible (Figure 6). Existing trail sections within the proposed loop (approximately 0.25 mile) will be widened to 30 feet to accommodate the installation of snowmaking infrastructure. The remaining 3.4 miles (5.5 km) of existing trails will be added as skiable terrain to the Belleayre trail map but will not undergo trail widening or snowmaking infrastructure.

The proposed Nordic loop will add 1.6 miles to the current limit of 25 miles of constitutionally authorized ski trails at Belleayre. With the addition of groomed Nordic trails with snowmaking, Belleayre will become a more appealing winter recreation destination. A more detailed explanation and full trail inventory and analysis can be found in Exhibit 2.

# 4. Development of Hiking and Mountain Biking Trails

#### **Existing Conditions**

The mountain does not currently possess any significant mountain biking trails or formal hiking trail systems (see Figure 7). The mountain is located adjacent to the Shandaken Wild Forest, a New York State Department of Environmental Conservation (NYSDEC)-managed property that offers hiking, mountain biking, and other outdoor recreational activities. The Pine Hill West Branch Trail is an existing trail that extends from the West Branch of the Neversink River through

the Big Indian Wilderness to the village of Pine Hill and enters the Intensive Use Area near the Belleayre summit. The Pine Hill West Branch Trail provides direct connections to the Giggle Hollow parcel via the Lost Clove and Giggle Hollow trails in the Shandaken Wild Forest. There are two existing trail connections to the Shandaken Wild Forest off of the Pine Hill West Branch Trail.

#### **Proposed Management Actions**

#### A. Mountain Biking (Only) Trails

The proposed action is to construct new mountain biking trails within the Belleayre IUA to foster interconnections between Belleayre and the Shandaken Wild Forest. This program will be supported and serviced by existing mountain infrastructure in the Overlook Lodge area of Belleayre, out of which mountain biking activities will be based. Approximately five miles of the proposed trails will be located on existing cleared trails in the Belleayre IUA. The proposed system includes approximately 15 miles of mountain biking trails with approximately five miles of easier (green) trails, eight miles of more difficult (blue) trails, and three miles of the most difficult (black) trails. A map of the proposed mountain biking trails can be found as Figure 8. The proposed trail system was informed by the Master Plan for Hiking and Mountain Biking at Belleayre which can be found here: <a href="https://www.dec.ny.gov/lands/119751.html">https://www.dec.ny.gov/lands/119751.html</a>.

All trails identified in the guidance document and tabulated below are subject to the NYSDEC Work Plan Process. No trail construction will occur until NYSDEC has finalized the comprehensive review of applicable trail construction policies. All proposed trail work will be reviewed in accordance with that policy, and final siting and design must be approved through the updated Work Plan process. Where applicable, all proposed trails will also comply with the 2018 NYS DEC Management Guidelines for Siting, Construction and Maintenance of Singletrack Bicycle Trails on Forest Preserve Lands in the Adirondack and Catskill Parks (NYSDEC and APA, 2018). All stream crossings will also follow NYSDEC best practices (NYSDEC, 2011).

PROPOSED MOUNTAIN BIKING TRAILS (NEW AND IMPROVEMENTS TO EXISTING)			
EASIER	(+/-) 5 miles		
Easiest Descent (Central Green)			
MORE DIFFICULT (+/-) 8 mil			
Cathedral			
Lower Central			
Сауида			
South Face			
Deer Run Ridge			
MOST DIFFICULT	(+/-) 3 miles		
Deer Run			
TOTAL PROPOSED MOUNTAIN BIKING TRAILS	(+/-) 16 miles		

#### B. Multi-Use (Hiking and Mountain Biking) Trails

This action proposes to Construct new and re-routed hiking and mountain biking shared-use, multi-directional trails within the Belleayre IUA to mitigate environmental degradation and increase overall safety of existing, poorly designed trails. The proposed trail system will foster interconnections between the IUA and Shandaken Wild Forest. Approximately half (8 miles) of the proposed trail system will make use of existing cleared trail areas and approximately 9 miles of new shared-use trail will be established in the IUA. Improvements will be made to existing trail areas deemed hazardous or unsustainable, and new trails favor moderate terrain over that of the steeper existing trails. Approximately 4 miles of existing trails where rehabilitation is not proposed will be retained as hiking-only trails. The proposed hiking trail re-routes were informed by the Master Plan for Hiking and Mountain Biking at Belleayre which can be found here: https://www.dec.ny.gov/lands/119751.html.

No trail construction will occur until NYSDEC has finalized the comprehensive review of applicable trail construction policies. All proposed trail work will be reviewed in accordance with

that policy, and final siting and design must be approved through the updated Work Plan Form process.

PROPOSED SHARED-USE TRAILS (NEW AND IMPROVEMENTS TO EXISTING)			
EASIER	(+/-) 11 miles		
TRAIL NAME			
Ridge Loop			
Easy Out			
Route 28 Connector			
Shandaken Traverse			
Nordic Trails			
Pine Hill Connector			
MORE DIFFICULT	(+/-) 3 miles		
Woodchuck Ridge – Giggle Hollow			
MOST DIFFICULT	0 miles		
TOTAL PROPOSED SHARED-USE TRAILS	(+/-) 14 miles		

#### C. All Mountain Biking and Hiking Trails

PROPOSED CONDITIONS SUMMARY TABLE			
TRAIL TYPE	Miles		
TOTAL PROPOSED SHARED-USE TRAILS (miles)	(+/-) 16		
New Construction for Shared-Use Trails	(+/-) 8		
Proposed Shared-Use Trails Located on Existing Trails	(+/-) 8		
TOTAL PROPOSED MOUNTAIN BIKING TRAILS	(+/-) 15		
New construction for Mountain Biking Trails	<b>(+/-)</b> 10		
Mountain Biking Trails Located on Existing Cleared Trails	(+/-) 5		
EXISTING TRAILS TO BE RETAINED WITH NO IMPROVEMENT	(+/-) 4		
FINAL TOTAL TRAIL SYSTEM MILEAGE	(+/-) 35		

# 5. Expansion of Administration Building

#### **Existing Conditions**

The existing structure was constructed in the 1960s and needs significant improvements to sustain the administration's ongoing office needs.

#### **Proposed Management Action**

The project scope includes removal of the existing deck on the western side of the building and replacement of the deck with an approximately 875 square foot building addition. The building expansion will be located at the rear of the building to avoid losing any current parking located in front of the building.

The interior and exterior of the building will be renovated to provide upgraded building envelope systems, HVAC systems, and improvement to the functionality of the office space. This expansion will be one story tall and require minor excavation. The expanded structure will be constructed with a similar wood frame to the existing building. Once this work is completed, the building will provide better professional spaces for staff comfort and efficiency.



Image 5: Front of Administration Building



Image 6: East Side of Administration Building

# 6. Expansion of Longhouse Lodge

#### **Existing Conditions**

The New York Ski Education Foundation (NYSEF) program is currently located within the existing Longhouse Lodge, as Belleayre does not currently have a building dedicated to this program. NYSEF is a professional competitive racing organization that manages the New York Ski Racing Association (NYSRA) races and ski racing programs at Belleayre for the Olympic Authority. Due to the tremendous growth of the NYSEF program, its current location creates difficulties to convene staff for meetings and provide our loyal membership athletes with a place to convene and store equipment.

#### **Proposed Management Action**

The proposed action is to expand the existing Longhouse Lodge for programmatic multi-use occupancy to advance NYSEF's current space. The overall expansion will add approximately 4,000 square feet to the existing lodge. The purpose of this building expansion is to satisfy the need of a central location for staff, gatherings, and a home for membership athletes. This building will include adequate space for the athletes and lockers to store their equipment and race registrations.

# 7. Installation of Staircase Connecting Parking Lots A&B

#### Existing Conditions

Parking Lots A and B are currently separated by a steep embankment (Image 7), making access to the mountain difficult and inefficient. Skiers who park in Lot A currently need to climb up a steep embankment to reach Lot B and access the mountain from there. This has caused damage to the small hillside between Lots A and B over the years.

#### **Proposed Management Action**

The proposed action is to connect Lots A and B with a staircase. This staircase will be utilized to account for a steep grade between Lots A and B and to reduce risk of erosion. Access to the mountain from Lot A will be improved with the addition of this connector staircase, constructed with metal material, similar to the existing staircase in the upper lot. The staircase will be approximately 10-12 feet wide. A ramp was initially considered but was dismissed as not feasible due to the increased amount of salt this would require and the safety hazards the ice could cause.



Image 7: Proposed Location for Lot A&B Connector Staircase

# 8. Construction of a Gondola Cabin Maintenance Building

#### **Existing Conditions**

There is currently no building for gondola grip and cabin maintenance of the Catskill Thunder Gondola, making it difficult to conduct any necessary service or repairs.

#### **Proposed Management Action**

The proposed action is to construct a building adjacent to the upper terminal of the Catskill Thunder Gondola (Figure 9). The structure will be attached to the dead rail at the top of the gondola. This building will hold 3-4 gondola cabins for maintenance and storage during operations. A portion of the building will be dedicated for ski patrol use. The building's foundation will be approximately 48 feet by 30 feet, for a total of 1,440 square feet. The building height will be approximately 25 feet and will not exceed that of the terminal roof.



Image 8: Proposed Area for Gondola Cabin Maintenance Building

# 9. Construction of an Additional Beginner Area with Conveyer Lift

#### **Existing Conditions**

The existing terrain for first time skiers and riders at Belleayre is limited to the Discovery Base area. Additional space is needed for beginners and instruction of beginners as more people are becoming interested in winter sports. The summit area at the top of the Catskill Thunder Gondola has beginner terrain that is currently underutilized.

#### **Proposed Management Action**

The proposed action is to add a new beginner learning area with a conveyor lift just off the existing gondola (Figure 9). This area is intended to help skiers improve their abilities beyond the terrain of the Discovery Learning center and prepare them for more advanced terrain throughout Belleayre. The trail will be approximately 112 feet wide and 285 feet long with a slope of approximately 8 percent.

# 10. Relocation of Previously Approved Snowmaking Reservoir

#### **Existing Conditions**

Belleayre needs additional snowmaking water storage. Current snowmaking production is limited by water storage capacity. A 35-million-gallon snowmaking reservoir was approved in the original 2015 UMP but has not yet been constructed. The 2015 UMP included a proposed snowmaking reservoir located upslope of Crystal Springs Brook, which would require the construction of a NYSDEC Dam Safety regulated Class "C" High Hazard Dam.

#### **Proposed Management Action**

Because of concerns with the construction and ownership of the dam infrastructure, the Olympic Authority is proposing a different location for the snowmaking reservoir. The proposed action is to relocate the location of the previously approved snowmaking reservoir to a location with reduced risks. The preferred snowmaking reservoir location is the former location of the Proposed East Parking included in the 2015 UMP. Existing grades at this location would have sufficient storage capacity for a snowmaking reservoir installation without the need for a dam. The new desired location is just east of the previously approved DEC location and is illustrated in Figure 10.

The 2015 snowmaking reservoir was originally designed to be approximately 8 acres with a storage volume of approximately 41 million gallons at a depth of about 20 feet (see Figure 11 for all alternatives considered). The currently proposed snowmaking reservoir has a surface area of approximately 6.5 acres with a storage volume of approximately 25 million gallons at a depth of about 20 feet. Excavated material would be repurposed on-site. The 2015 proposed action to use Crystal Springs Brook as an inflow would remain the same in the updated plan.

# 11. Installation of Electric Vehicle Charging Stations

#### **Existing Conditions**

There are currently no electric vehicle charging stations installed at the Belleayre Mountain Ski Center.

#### **Proposed Management Action**

The Olympic Authority supports electric vehicle usage and desires to install electric vehicle charging stations in the upper and lower parking areas of the ski center to encourage those with electric vehicles to come to Belleayre. Expanded parking is not required for installation.

# 12. Installation of Pre-Fabricated Restroom Building

#### **Existing Conditions**

The summit of Belleayre offers two restrooms in the Sunset Lodge, located on the east side of the summit. There are no other restroom options on the west side of the summit. The need for additional restrooms was expressed during the public comment period to service the summit facilities such as the Catskill Thunder Gondola top terminal location and the proposed beginner area.

#### **Proposed Management Action**

The proposed action is to install an approximately 10-foot by 20-foot precast concrete freestanding restroom building adjacent to the proposed gondola cabin maintenance building at the top terminal of the Catskill Thunder Gondola (Figure 10). The building will house two toilet rooms for use year-round. The building exterior will employ stained concrete form liner patterns to simulate a stone and/or clap board siding.

# IV. Analysis of Potentially Significant Environmental Impacts

The following evaluation is for the management actions proposed in this Unit Management Plan Amendment. This impact analysis builds off the analysis completed for the original 2015 Unit Management Plan.

# A. Impact on Land

All proposed management actions are consistent with improving the overall function and accessibility of Belleayre. All construction activities will use best management practices in accordance with a Storm Water Pollution Prevention Plan (SWPPP) prepared for the proposed actions to minimize surface runoff and erosion potential to the greatest extent practicable.

#### Soils and Erosion

Steep slope construction, shallow depth to bedrock, prolonged site construction periods, and soil conditions can all contribute to the potential for soil erosion during construction. Site soils were analyzed for their type and erosion potential using publicly available data to determine potential soil impacts that may result from the proposed Project. A table of site soils and associated erosion potential is located within Exhibit 5. As indicated in Exhibit 5, soils within the proposed Project Site generally have a depth to bedrock of 20 inches or less. Soil series ORD and ARF have a depth to bedrock closer to zero inches and the highest erosion potential (Figure 12). Proposed actions intersecting these soil series include the Proposed Learning Area, Prefabricated Restrooms, Gondola Cabin Maintenance Building, Lift 7 Realignment, Electric Vehicle Charging Stations, trail widening at Deer Run and Cayuga, and Goat Path Trail (Figure 13).

#### Tree Clearing

The construction of proposed actions including the beginner area with conveyor lift, replacement and relocation of Lift 7 and associated Queueing Area improvements, development of the Nordic trail system, reconfiguring of the Utsayantha/Goat Path trails, and relocation of the proposed snowmaking reservoir will require tree clearing. An inventory of tree counts for these proposed actions is available as Exhibit 3.

To further avoid and minimize impacts to land, existing established access routes are anticipated to be used the greatest extent possible. The use of previously established access routes (e.g., driveways, trails, etc.) will reduce the need for additional earthwork or land clearing. Specific land disturbance activities (i.e., site preparation, grading, etc.) are only anticipated to last for a limited portion of the construction period.

Overall, most potential land impacts are temporary and short term. Similarly, the magnitude and severity of the impacts are relatively low as the Project is taking place within an existing ski mountain center, which is largely disturbed and contains substantial existing cleared trail areas and ski-related infrastructure. The Project will not cause a significant adverse impact relating to impacts on land and is being developed with the intent to achieve greater operational efficiencies and meet the needs of additional user demands.

# **B.** Impact on Geological Features

There are no known unique geological features at Belleayre (see FEAF in Exhibit 1). Therefore, no impact to unique geological features is anticipated.

# C. Impact on Surface Water

Wetland delineations were performed within portions of the proposed Project Site on May 12, 2021, and September 8, 2021. Several wetlands and streams were identified within the Project Site that could be potentially jurisdictional under Section 404 of the Clean Water Act and/or NYSDEC Article 15 and Article 24 (Stream Protection and Freshwater Wetlands, respectively).

Impacts to wetlands and streams are anticipated to be avoided throughout construction of this Project. However, if federal or state wetland permitting is required for unavoidable impacts, applications will be filed, and permits obtained (see Section V) prior to construction. For more information regarding identified wetland and streams, see Figure 14 and the wetland memorandum in Exhibit 6.

The proposed hiking trails and mountain biking trails involve 14 new bridged stream crossings. In addition, there are several bridges on the existing Nordic ski trails that will eventually need replacement. Wherever possible, trails were sited to cross streams using existing alpine ski trail crossings. All stream crossings shall follow all U.S. Army Corps of Engineers (USACE) and NYSDEC guidance and shall avoid sedimentation of streams and fragmentation of stream ecosystems. In particular, all major stream crossings shall be clear span bridges with the crossing opening at least 1.25 times the stream bankfull width, as appropriate, to maintain water quality standards and avoid long-term adverse impacts.

Minor impacts may occur from the installation of steppingstones, stone paved armored crossings, or culverts as part of new trail work. However, all improvements will be done in accordance with any applicable state, federal, and city regulations.

# D. Impact on Groundwater

Existing groundwater wells supply potable water for Belleayre. A full analysis of impacts to groundwater due to the addition of a reservoir was addressed and outlined in the original 2015 UMP. The proposed relocation of the previously approved snowmaking reservoir is not anticipated to result in any major impacts to groundwater beyond what was previously studied. However, a more detailed assessment of potential impacts to groundwater will need to be prepared for the revised reservoir prior to construction and any needed mitigation will be identified at that time. Upon approval of this action, the construction of the proposed reservoir will require the implementation of a SWPPP to minimize any potential for erosion during construction and to treat stormwater runoff from proposed impervious areas. No potential impacts associated with the remaining proposed management actions are anticipated to impact groundwater.

# E. Impact on Flooding

A review of the Federal Emergency Management Agency (FEMA)'s National Flood Hazard Layer Map for Belleayre (Panel 36111C0020F and 36111C0040F) was conducted. Two tributaries to Birch Creek, both special flood hazard areas, are located along the northern face of Belleayre. The only proposed actions in this area consist of trail modifications. No infrastructure or fill is proposed within these flood hazard areas. Therefore, no significant impacts are anticipated to occur within these designated areas.

# F. Impact on Air

During the site preparation and construction phases of the Project, temporary minor adverse impacts to air quality could result from the operation of construction equipment. The increased dust and emissions will be of a magnitude and duration typical of construction activities and will not significantly impact local air quality. Any impacts are anticipated to be short-term and localized.

# G. Impact on Plants and Animals

#### New York Natural Heritage Program & Environmental Resource Mapper

The New York Natural Heritage Program (NYNHP) maintains data on State-listed rare, threatened, and endangered plant and animal species, as well as significant ecological communities.

The NHP operates the Environmental Resource Mapper (ERM) which is an interactive mapping application developed by the NYSDEC that can be used to identify New York State's natural resources and environmental features that are State or federally protected, or of conservation concern. Specifically, the maps display the general areas where rare animals and rare plants have been documented by the NYNHP. The ERM also displays locations of New York State regulated freshwater wetlands and of protected streams, rivers, and lakes.

The Project Site was reviewed within the ERM online tool on February 1, 2023, to determine if the Project falls within an area displayed in the Rare Plants and Rare Animals layer or in the Significant Natural Communities layer. The ERM did not display any of these important layers within the vicinity of the Project Site. Therefore, it is anticipated that no rare plants, animals, or significant natural communities reside within the vicinity of the Project Site.

#### United States Fish and Wildlife Service: Information for Planning and Consultation Tool

The Environmental Conservation Online System (ECOs) is a gateway web site that provides access to U.S. Fish & Wildlife Service (USFWS) and other federal government databases, including the Information for Planning and Consultation (IPaC) tool, which streamlines the USFWS environmental review process. Users define a proposed project area and provide basic information about the project. IPaC then generates an official species list containing information

to assist in evaluating the potential impacts of the project. The official species list is a formal letter from the USFWS office that includes a list of species and critical habitat that should be considered under Section 7 of the Endangered Species Act, as well as other pertinent information from the local field office.

A shapefile of the Project Site was uploaded to IPaC and an official species list for the Project Site was generated on September 3, 2021. The official species list did not identify any federallylisted species or critical habitats that may occur within the boundary of the Project Site and/or may be affected by the proposed Project (Exhibit 7). The official species list did identify one candidate insect species that could be found within the area: the monarch butterfly (*Danaus plexippus*). The land uses on and surrounding the proposed project areas include impervious surfaces, forest, surface water features, and wetlands. Suitable habitat for the monarch butterfly (e.g., prairies, meadows, grasslands, etc.) is not present within the Project Site, therefore this habitat is not anticipated to be disturbed as a result of the proposed management actions. Therefore, no impacts to the monarch butterfly are anticipated.

# H. Impact on Agricultural Resources

No potential impacts associated with the proposed management actions are anticipated to impact agricultural resources.

# I. Impact on Aesthetic Resources

A visibility assessment was conducted for the major proposed management actions to determine the geographic extent of potential visibility from the surrounding area. The results of the assessment indicate that potential visibility from the surrounding area was highly limited. Where views would be possible, potential impacts would be mitigated by distance from the Ski Center, substantial screening by intervening vegetation, and the presence of existing ski resort infrastructure that occurs in the views. Therefore, no change to the character of the views or adverse visual impacts are anticipated.

A full review of the visual assessment is provided in Exhibits 8a and 8b. Exhibit 8b contains the visual analysis conducted for the actions proposed in the 2021 UMPA. A revised visual assessment is provided as Exhibit 8a and includes the 2023 newly proposed/modified actions (i.e., the Longhouse Lodge expansion, snowmaking reservoir, pre-fabricated restrooms, alpine trail widening, revised Nordic loop, and the queueing area).

# J. Impact on Historic and Archaeological Resources

A consultation memorandum was submitted to the NYS Office of Parks, Recreation and Historic Preservation on September 10, 2021, to determine if any of the proposed management actions in the 2021 UMPA will impact historic or archaeological resources. A response letter was received on September 17, 2021 (Exhibit 9). The response letter indicated that no properties, including archaeological and/or historical resources, are listed in or eligible for the New York State and National Registers of Historic Places. No archaeological and/or historic resources are anticipated to be impacted by the Project.

# K. Impact on Open Space and Recreation

The proposed management actions in the UMPA will have positive impacts on Open Space and Recreation. Management actions aimed at improving skier satisfaction and skier safety are proposed. The proposed hiking trails, mountain biking trails, and the Nordic loop will expand the range of recreational opportunities available at Belleayre.

### L. Impact on Critical Environmental Areas

There are no designated Critical Environmental Areas within, or within the vicinity of the proposed management actions. Therefore, no impacts are anticipated.

# M. Impact on Transportation

No impacts to transportation associated with the proposed management actions are anticipated. The proposed improvements are not expected to increase attendance beyond the capacity of our transportation network.

# N. Impact on Energy

Several trails are being widened to accommodate additional snowmaking and Lift 7 will be upgraded from a triple to a quad lift, which may result in a minor amount of additional energy consumption. This will require a replacement/upgrade to an existing transformer.

# O. Impact on Noise, Odor, and Light

The construction activities involved in the proposed management actions are anticipated to create increased temporary noise, odor, and light levels for the duration of the construction period. Those working on the construction of the proposed management actions will have a

Safety Plan to follow in relation to occupational noise exposure and necessary hearing protection. Upon completion of construction activities, it is anticipated that all noise, odor, and light levels will return to normal, leaving no permanent impacts or increased noise, odor, or light levels. All increased levels are expected to be short-term and localized.

### P. Impact on Human Health

No impacts to human health associated with the proposed management actions are anticipated.

# **Q.** Consistency with Community Plans

Belleayre is an integral part of the Shandaken community and serves as the town's largest recreational tourist attraction and the only recreational parcel on a mountaintop. A review of the 2015 Comprehensive Plan for the Town of Shandaken, NY indicates the encouragement for continued development of the Belleayre Mountain Ski Center. The proposed work is consistent with the four-season facility's carrying capacity of the area's sewer, water, and transportation system. The proposed actions within this UMP are generally consistent with local land use plans.

# **R.** Consistency with Community Character

Belleayre is an integral part of the Shandaken community. The proposed actions within this UMP are intended to improve the quality of the Belleayre recreational facility, which is anticipated to remain consistent with the overall community character.

# **V. Potential Additional Permits and Approvals**

Additional permits may be required for certain management actions after the approval of this UMPA and prior to construction.

#### Waters of the US, Section 404 Clean Water Act

Areas of proposed management actions will be investigated for the presence/absence of Waters of the US, including wetlands. The limits of any such resources identified in the field will be delineated and mapped. Management actions will be adjusted, if feasible, to avoid delineated resources. Permit applications will be filed with the USACE for any unavoidable impacts to Waters of the US.

#### Nationwide Permit #42
It is anticipated that if impacts to the delineated streams and wetlands are proposed, the Olympic Authority would be required to file with the USACE for an authorization of Nationwide Permit #42: Recreational Facilities.

Nationwide Permit #42 covers the following activities within recreational facilities:

- a. Discharges of dredged or fill material into non-tidal waters of the United States for the construction or expansion of recreational facilities<sup>1</sup>;
- b. Construction or expansion of small support facilities, such as maintenance to storage buildings and stables that are directly related to the recreational activity, but it does not authorize the construction of hotels, restaurants, racetracks, stadiums, arenas, or similar facilities.

The discharge must not cause the loss of greater than ½-acre of non-tidal waters of the United States. This Nationwide Permit does not authorize discharges of dredged or fill material into non-tidal wetlands adjacent to tidal waters.

Nationwide Permit #42 requires the submittal of a pre-construction notification to the district engineer prior to commencing the activity.

Should the Olympic Authority determine that all impacts will be avoided to all delineated streams and wetlands during the construction of the proposed work activities at Belleayre (i.e., there will be no dredging, fill, or disturbance to any of the delineated wetlands and streams and no culverts are proposed), the Project does not require the filing of a Pre-Construction Notification under Nationwide Permit #42. Should unavoidable impacts be required, such as culvert installation or placement of fill below ordinary high water, the Olympic Authority would be required to prepare the necessary filings (i.e., Joint Application for Permit, Pre-Construction Notification) to secure approval under Nationwide Permit #42, or other Nationwide Permits (e.g., #3 Maintenance, #14 Transportation).

### NYS Regulated Wetlands, NYS ECL Article 15/24

An analysis of NYSDEC regulated wetlands and classified stream will be performed and any present waters will be mapped. Any wetlands identified during the field investigation under "A" above will be evaluated for potential NYSDEC jurisdiction. Should any such wetlands be

<sup>&</sup>lt;sup>1</sup> Examples of recreational facilities that may be authorized by this Nationwide Permit include playing fields (e.g., football fields, baseball fields), basketball courts, tennis courts, hiking trails, bike paths, gold courses, ski areas, horse paths, nature centers, and campgrounds (excluding recreational vehicle parks).

identified, and it is determined that there will be unavoidable wetland impacts, a permit application will be filed with NYSDEC.

## SPDES Permit for Stormwater Discharges from Construction Activities, NYS ECL Article 17

Before commencing construction activity, the owner or operator of a construction Project that will involve soil disturbance of one or more acres must obtain coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges form Construction Activity (GP-0-20-001). The Olympic Authority will prepare a SWPPP that demonstrates compliance with the General Permit. Coverage under the SWPPP is required for individual projects which will take place on slopes greater than 25 percent which encompass the proposed projects at Belleayre. As part of the SWPPP review process a Notice of Intent (NOI) will be submitted to NYDEC prior to construction. Agencies requiring a review of the SWPPP include the NYSDEC, New York City Department of Environmental Protection (NYCDEP), and Watershed Inspector General (WIG) since the projects are located in a portion of the New York City Watershed. The typical timeframe for receipt of review comments is within sixty (60) days from submission of the SWPPP.

# VI. Executive Order No. 22

On September 20, 2022, Governor Hochul issued Executive Order No. 22 (EO 22) to direct State agencies to adopt a sustainability and decarbonization program; it is expected that operations, new construction, and rehabilitation projects will be impacted. The major provisions of EO 22 include reducing greenhouse gas emissions, reducing waste, reducing use of toxic substances, providing for low impact development, and promotion of native biodiversity and habitat protection. Employing technologies such as ground source or air source heat pumps, solar electricity generating panels, and battery banks into new or rehabilitation construction projects are examples of measures to be considered and favored. During the design process for each project described within this Amendment, the Olympic Authority will consider the goals described within EO 22 throughout the design specifics.

# **VII. References**

NYSDEC. 2011. Stream Crossings: Protecting and Restoring Stream Community. *Protection of Waters Program*. Available at:

https://www.dec.ny.gov/docs/permits\_ej\_operations\_pdf/streamcrossing.pdf. Accessed March 15, 2022.

NYSDEC and Adirondack Park Agency (APA). 2018. Management Guidance: Siting, Construction and Maintenance of Singletrack Bicycle Trails on Forest Preserve Lands in the Adirondack and Catskill Parks. Available at: <u>https://www.dec.ny.gov/docs/lands\_forests\_pdf/bikeguidance.pdf</u>. Accessed March 15, 2022.

# Exhibit 1.

SEQRA Documentation

### Full Environmental Assessment Form Part 1 - Project and Setting

## **Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

#### A. Project and Applicant/Sponsor Information.

Name of Action or Project:				
Belleayre Mountain Ski Center				
Project Location (describe, and attach a general location map):				
Town of Shandaken, Ulster County, New York				
Brief Description of Proposed Action (include purpose or need):				
The Olympic Regional Development Authority is proposing several modifications to the Belleayre Mountain Ski Center in order to achieve greater operational efficiencies and meet the needs of additional user demands. Modifications include proposed improvements to Lift 7, several ski trials, existing buildings, a new snowmaking reservoir, a new prefabricated restroom, and a new gondola building.				
Name of Applicant/Sponsor:	Telephone: (518) 302-5332			
Robert Hammond	E-Mail: bhammond@orda.org			
Address: 2634 Main Street				
City/PO: Lake Placid	State: New York	Zip Code: 12946		
Project Contact (if not same as sponsor; give name and title/role):	Telephone: (518) 302-5314			
Emma Lamy, Sustainability & Environmental Compliance Officer	Emma Lamy, Sustainability & Environmental Compliance Officer E-Mail: elamy@orda.org			
Address:				
2634 Main Street				
City/PO:	State:	Zip Code:		
Lake Placid	New York	12946		
Property Owner (if not same as sponsor):	Telephone:			
	E-Mail:			
Address:	_1			
City/PO:	State:	Zip Code:		

#### **B.** Government Approvals

<b>B.</b> Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial				
Government Entity	ÿ	If Yes: Identify Agency and Approval(s) Required	Applicat (Actual or	ion Date projected)
a. City Counsel, Town Board, Corvillage Board of Trustees	Yes No			
b. City, Town or Village Planning Board or Commission	ZYes⊡No n	Site Plan Review, SEQRA		
c. City, Town or Village Zoning Board of Appe	∐Yes <b>∑</b> No als			
d. Other local agencies	Yes <b>Z</b> No			
e. County agencies	Yes <b>Z</b> No			
f. Regional agencies	Yes <b>Z</b> No			
g. State agencies	<b>Z</b> Yes <b>D</b> No	NYSDEC - UMP Amendment, SPDES Permit		
h. Federal agencies	<b>Z</b> Yes <b>D</b> No	US Army Corps of Engineers Nationwide Wetland Permit		
i. Coastal Resources. <i>i</i> . Is the project site within a C	Coastal Area, or	r the waterfront area of a Designated Inland W	aterway?	□Yes <b>☑</b> No
<i>ii.</i> Is the project site located in <i>iii.</i> Is the project site within a C	a community Coastal Erosion	with an approved Local Waterfront Revitalizat Hazard Area?	tion Program?	□ Yes☑No □ Yes☑No

#### C. Planning and Zoning

C.1. Planning and zoning actions.	
<ul> <li>Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?</li> <li>If Yes, complete sections C, F and G.</li> <li>If No, proceed to question C.2 and complete all remaining sections and questions in Part 1</li> </ul>	□Yes <b>Z</b> No
C.2. Adopted land use plans.	
a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?	<b>∠</b> Yes <b>N</b> o
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	□Yes☑No
<ul> <li>b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)</li> <li>If Yes, identify the plan(s): NYS Major Basins:Upper Delaware, NYC Watershed Boundary</li> </ul>	<b>⊠</b> Yes⊡No
c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?	<b>✓</b> Yes <b>N</b> o
If Yes, identify the plan(s):	
Town of Shandaken Parks and Recreation Comprehensive Master Plan	

C.3. Zoning	
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district?	☑ Yes □ No
New <u>York State Land - Belleayre Mountain Intensive Use Area</u>	
b. Is the use permitted or allowed by a special or conditional use permit?	☑ Yes □ No
<ul><li>c. Is a zoning change requested as part of the proposed action?</li><li>If Yes,</li><li><i>i.</i> What is the proposed new zoning for the site?</li></ul>	☐ Yes <b>Z</b> No
C.4. Existing community services.	
a. In what school district is the project site located? Onteora Central School District	
b. What police or other public protection forces serve the project site? NYS Police, Shandaken Police Department, and Ulster County Sheriff	
c. Which fire protection and emergency medical services serve the project site? Phoenicia Fire District, Town of Shankdanken Ambulance	
d. What parks serve the project site? Catskill State Park, Big Indian Park, Fleishmanns Village Park	

# **D. Project Details**

L

## D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, ind components)? Recreational	ustrial, commercial, recreational; if mixe	ed, include all
b. a. Total acreage of the site of the proposed action?	22.5 acres	
b. Total acreage to be physically disturbed?	22.5 acres	
c. Total acreage (project site and any contiguous properties) owned		
or controlled by the applicant or project sponsor?	3,158.5 acres	
5 11 1 5 1		
c. Is the proposed action an expansion of an existing project or use?		🖌 Yes 🗌 No
<i>i</i> . If Yes, what is the approximate percentage of the proposed expansion	on and identify the units (e.g., acres, mile	es, housing units,
square feet)? % 0.7 Units:	22.5 acres	
d. Is the proposed action a subdivision, or does it include a subdivision?		$\Box$ Yes $\mathbf{\nabla}$ No
If Yes.		
<i>i</i> . Purpose or type of subdivision? (e.g., residential, industrial, commerce	cial: if mixed, specify types)	
<i>ii.</i> Is a cluster/conservation layout proposed?		□Yes □No
<i>iii.</i> Number of lots proposed?		
<i>iv.</i> Minimum and maximum proposed lot sizes? Minimum	Maximum	
i. If No, opticipated period of construction.	months	I I es Mino
<i>i</i> . If No, anticipated period of construction:	months	
• Total number of phases anticipated		
Anticipated commencement date of phase I (including demolit)	ion) month year	
<ul> <li>Anticipated completion date of final phase</li> </ul>	monthyear	
Generally describe connections or relationships among phases,	including any contingencies where progr	ress of one phase may
determine timing or duration of future phases:		

f. Does the project include new residential uses?	Yes VINO
If Yes, show numbers of units proposed.	
One Family Two Family Three Family Multiple Family (four or more)	
Initial Phase	
At completion	
of all phases	
g. Does the proposed action include new non-residential construction (including expansions)?	<b>✓</b> Yes No
If Yes,	
<i>i</i> . Total number of structures3	
<i>ii.</i> Dimensions (in feet) of largest proposed structure: <u>32</u> height; <u>110</u> width; and <u>90</u> length	
<i>iii.</i> Approximate extent of building space to be heated or cooled:	
h Does the proposed action include construction or other activities that will result in the impoundment of any	
liquide such as creation of a water supply reservoir nond lake waste lagoon or other storage?	
If Vac	
i Durnose of the impoundment: Snowmaking reservoir	
ii If a water impoundment, the principal source of the water:	ms $\nabla \Omega$ ther specify
Water is to be used for snowmaking at the Belleavre Mountain Ski Resort	llis <b>W</b> Outer speerty.
<i>iii</i> If other than water, identify the type of impounded/contained liquids and their source.	
<i>m</i> . If other than water, identify the type of impounded contained requise and then source.	
<i>iv</i> Approximate size of the proposed impoundment. Volume: 25 million gallons: surface area:	6.5 acres
v. Dimensions of the proposed dam or impounding structure: height: length	
vi Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, con	crete):
W. Constituction methods muchands for the proposed dam of impounding structure (0.5., carter init, refin, refin,	
D 2 Project Anarotions	
a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both	Yes_No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated	
materials will remain onsite)	
If Yes:	
<i>i</i> . What is the purpose of the excavation or dredging? To increase flat area and correct drainage if needed and creation of	snowmaking reservoir
<i>ii.</i> How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?	
• Volume (specify tons or cubic yards): <u>150,000</u>	
Over what duration of time? <u>N/A</u>	
iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispos	e of them.
No material is anticipated to be removed from the site. It is anticipated that all material will be kept on site and used for other future	projects.
iv. Will there be onsite dewatering or processing of excavated materials?	Yes✔No
If yes, describe	
v. What is the total area to be dredged or excavated?6.5_acres	
vi. What is the maximum area to be worked at any one time? acres	
<i>vii.</i> What would be the maximum depth of excavation or dredging? feet	
<i>viii.</i> Will the excavation require blasting?	<b>∀esN</b> o
<i>ix.</i> Summarize site reclamation goals and plan:	
b. Would the proposed action cause or result in alteration of increase or decrease in size of or aneroachment	
b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment	V res no
into any existing wettand, waterbody, snoreline, beach of aujacent area?	
II Yes:	
<i>i.</i> Identify the wetland of waterbody which would be affected (by finite, water index number, wetland map number)	ber or geographic
description): See attached Site Plan that depicts delineated wetlands and streams.	

<ul> <li>ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in squat</li> <li>Delineated wetlands and streams on site may have structures placed into them for associated infrastructures. In regulated wetlands is anticipated to be under 0.1 acre and will fall under the thresholds for a United States Arm Nationwide Permit.</li> </ul>	nt of structures, or are feet or acres: Disturbance to federally y Corps of Engineers
<i>iii.</i> Will the proposed action cause or result in disturbance to bottom sediments?	☐Yes <b>√</b> No
If Yes, describe:	
<i>iv.</i> Will the proposed action cause or result in the destruction or removal of aquatic vegetation?	∐ Yes <b>∠</b> No
If Yes:	
<ul> <li>actes of aquatic vegetation proposed to be removed.</li> <li>expected acreage of aquatic vegetation remaining after project completion:</li> </ul>	
<ul> <li>purpose of proposed removal (e.g. beach clearing invasive species control hoat access);</li> </ul>	
proposed method of plant removal:	
if chemical/herbicide treatment will be used, specify product(s):	
v. Describe any proposed reclamation/mitigation following disturbance:	
c. Will the proposed action use, or create a new demand for water?	Yes <b>V</b> No
If Yes: i Total antiginated water wage/demand ner daw gallons/dev	
<i>i</i> . Will the proposed action obtain water from an existing public water supply?	
If Yes:	
• Name of district or service area:	
• Does the existing public water supply have capacity to serve the proposal?	☐ Yes ☐ No
• Is the project site in the existing district?	Yes No
• Is expansion of the district needed?	Yes No
• Do existing lines serve the project site?	☐ Yes ☐ No
<i>iii.</i> Will line extension within an existing district be necessary to supply the project?	□Yes □No
<ul> <li>If Yes:</li> <li>Describe extensions or capacity expansions proposed to serve this project:</li></ul>	
• Source(s) of supply for the district.	
If, Yes:	
Applicant/sponsor for new district:	
Date application submitted or anticipated:	
Proposed source(s) of supply for new district:	
v. If a public water supply will not be used, describe plans to provide water supply for the project:	
<i>vi</i> . If water supply will be from wells (public or private), what is the maximum pumping capacity:	gallons/minute.
d. Will the proposed action generate liquid wastes?	✓ Yes □No
If Yes:	
<i>i</i> . Total anticipated liquid waste generation per day:650 gallons/day	
<i>u</i> . Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all compositions of each):	components and
approximate volumes of proportions of each).	
<i>iii.</i> Will the proposed action use any existing public wastewater treatment facilities? If Yes:	✔ Yes □No
Name of wastewater treatment plant to be used: Pine Hill Wastewater Treatment Plant	
Name of district: Pine Hill Sewer District	
• Does the existing wastewater treatment plant have capacity to serve the project?	<b>✓</b> Yes <b>N</b> o
• Is the project site in the existing district?	<b>√</b> Yes <b>□</b> No
• Is expansion of the district needed?	$\Box$ Yes $\blacksquare$ No

	<ul> <li>Do existing sewer lines serve the project site?</li> <li>Will a line avtencion within an aviating district he pagessary to sary the project?</li> </ul>	
	• Whit a line extension whill an existing district be necessary to serve the project? If Ves	
	<ul> <li>Describe extensions or capacity expansions proposed to serve this project:</li> </ul>	
ıv.	Will a new wastewater (sewage) treatment district be formed to serve the project site?	
	<ul> <li>Applicant/sponsor for new district:</li> </ul>	
	Date application submitted or anticipated:	
	What is the receiving water for the wastewater discharge?	
v.	If public facilities will not be used, describe plans to provide wastewater treatment for the project, including spe	cifying proposed
	receiving water (name and classification if surface discharge or describe subsurface disposal plans):	
vi.	Describe any plans or designs to capture, recycle or reuse liquid waste:	
The	proposed freestanding restroom will be will be served by non-potable snowmaking water and a proposed on-site wastewater tre	atment system.
e.	Will the proposed action disturb more than one acre and create stormwater runoff, either from new point	<b>∠</b> Yes <b>□</b> No
	sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point	
If	Source (i.e. sneet now) during construction or post construction? Ves:	
i	How much impervious surface will the project create in relation to total size of project parcel?	
	Square feet or <u>0.8</u> acres (impervious surface)	
	Square feet or <u>268</u> acres (parcel size)	
11	Describe types of new point sources.	
iii	Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent	properties,
	groundwater, on-site surface water or off-site surface waters)?	
The	project will comply with the NYSDEC SPDES General Permit, including the completion of a Stormwater Pollution Prevention Pla	an
	• If to surface waters identify receiving water bodies or watlands:	
	• Will stormwater runoff flow to adjacent properties?	$\square$ Yes $\square$ No
IV.	Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?	
t.	Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel	Yes No
If	Yes, identify:	
	. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)	
i	A Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)	
ii	<i>i</i> . Stationary sources during operations (e.g., process emissions, large boilers, electric generation)	
g.	Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit,	Yes No
	or Federal Clean Air Act Title IV or Title V Permit?	
If	Yes:	
l.	Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet	∐Yes <b>∠</b> No
ii.	In addition to emissions as calculated in the application, the project will generate:	
	•Tons/year (short tons) of Carbon Dioxide (CO <sub>2</sub> )	
	•Tons/year (short tons) of Nitrous Oxide (N <sub>2</sub> O)	
	•Tons/year (short tons) of Perfluorocarbons (PFCs)	
	•Tons/year (short tons) of Sulfur Hexafluoride (SF <sub>6</sub> )	
	•Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)	
	•Tons/year (short tons) of Hazardous Air Pollutants (HAPs)	

<ul> <li>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?</li> <li>If Yes:</li> </ul>		
<ul> <li>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring):</li> </ul>	-	
<ul> <li>i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?</li> <li>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):</li> </ul>		
<ul> <li>j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial □Yes No new demand for transportation facilities or services?</li> <li>If Yes: <ul> <li><i>i</i>. When is the peak traffic expected (Check all that apply): □Morning □Evening □Weekend □Randomly between hours of to</li> <li><i>ii</i>. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks):</li> </ul> </li> </ul>		
<ul> <li><i>iii.</i> Parking spaces: Existing Proposed Net increase/decrease</li> <li><i>iv.</i> Does the proposed action include any shared use parking? Yes Does</li> <li><i>v.</i> If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:</li> </ul>		
<ul> <li><i>vi.</i> Are public/private transportation service(s) or facilities available within ½ mile of the proposed site?</li> <li>Yes No</li> <li>Vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?</li> <li><i>viii.</i> Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?</li> </ul>		
<ul> <li>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand ☐Yes☑No for energy?</li> <li>If Yes: <ul> <li><i>i</i>. Estimate annual electricity demand during operation of the proposed action:</li> <li><i>ii</i>. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):</li> </ul> </li> </ul>		
<i>iii.</i> Will the proposed action require a new, or an upgrade, to an existing substation?		
1. Hours of operation. Answer all items which apply.       ii. During Construction:         iii. During Operations:       iii. During Operations:         iii. During Operations:       iii. D		

<ul> <li>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?</li> <li>If yes:</li> <li><i>i</i> Provide details including sources, time of day and duration;</li> </ul>	Yes No
Construction will produce noises that exceed ambient levels. However, this will only occur during normal construction hours (see above to more reverse during the construction process.	ve) and only be
<i>ii.</i> Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Describe:	Yes No
n. Will the proposed action have outdoor lighting?	✓ Yes □No
If yes: <i>i</i> . Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: Outdoor lighting will be kept to a code minimum for all new and renovated buildings.	
<i>ii.</i> Will proposed action remove existing natural barriers that could act as a light barrier or screen? Describe:	Yes No
<ul> <li>Does the proposed action have the potential to produce odors for more than one hour per day?</li> <li>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:</li> </ul>	Yes No
<ul> <li>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?</li> <li>If Yes: <ul> <li><i>i</i>. Product(s) to be stored</li> </ul> </li> </ul>	Yes No
<i>ii.</i> Volume(s) per unit time (e.g., month, year) <i>iii.</i> Generally, describe the proposed storage facilities:	
<ul> <li>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?</li> <li>If Yes: <ul> <li><i>i</i>. Describe proposed treatment(s):</li> </ul> </li> </ul>	☐ Yes ☑No
<i>ii.</i> Will the proposed action use Integrated Pest Management Practices?	Yes No
<ul> <li>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?</li> <li>If Yes: <ul> <li><i>i</i>. Describe any solid waste(s) to be generated during construction or operation of the facility:</li> <li>Construction: tons per (unit of time)</li> <li>Operation : tons per (unit of time)</li> <li><i>ii</i>. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</li> <li>Construction:</li> </ul> </li> </ul>	☐ Yes ⊠No
Operation:	
<ul> <li><i>iii.</i> Proposed disposal methods/facilities for solid waste generated on-site:</li> <li>Construction:</li></ul>	
Operation:	

s. Does the proposed action include construction or mode	ification of a solid waste mana	gement facility?	🗌 Yes 🖌 No	
If Yes:	If Yes:			
<i>i</i> . Type of management or handling of waste proposed	for the site (e.g., recycling or	transfer station, compostin	g, landfill, or	
<i>ii</i> Anticipated rate of disposal/processing:				
Tons/month, if transfer or other non-	combustion/thermal treatment.	or		
Tons/hour, if combustion or thermal	treatment	, 01		
iii. If landfill, anticipated site life:	years			
t. Will the proposed action at the site involve the comme	rcial generation, treatment, sto	brage, or disposal of hazard	ous Yes No	
waste?	6 , , ,			
If Yes:				
<i>i</i> . Name(s) of all hazardous wastes or constituents to be	e generated, handled or manage	ed at facility:		
<i>ii.</i> Generally describe processes or activities involving h	nazardous wastes or constituen	its:		
<i>iii.</i> Specify amount to be handled or generatedto	ons/month	anatituanta		
<i>iv.</i> Describe any proposals for on-site minimization, fec	cycling of reuse of nazardous c			
v. Will any hazardous wastes be disposed at an existing	g offsite hazardous waste facili	ity?	<b>Yes</b> No	
If Yes: provide name and location of facility:				
If No: describe proposed management of any hazardous	wastas which will not be sont t	to a hazardous wasta facilit	×7.	
In No: describe proposed management of any nazardous wastes which will not be sent to a nazardous waste facility:				
E. Site and Setting of Proposed Action				
E.1. Land uses on and surrounding the project site				
a. Existing land uses.				
<i>i</i> . Check all uses that occur on, adjoining and near the	project site.			
Urban II Industrial II Commercial II Resid	lential (suburban) 🗌 Rural	(non-farm)		
<i>ii</i> If mix of uses generally describe:	r (specify):			
<i>ii</i> . If flink of uses, generally describe.				
b. Land uses and covertypes on the project site.				
I and use or	Current	Acreage After	Change	
Covertype	Acreage	Project Completion	(Acres +/-)	
Roads, buildings, and other paved or impervious		J		
surfaces	3.1	3.3	+0.2	
• Forested	19.4	0	- 19.4	
Meadows, grasslands or brushlands (non-	0	0	0	
agricultural, including abandoned agricultural)	U	U	U	
Agricultural	0	0	0	
(includes active orchards, field, greenhouse etc.)	-	-		
Surface water features		0.5		

0

0

0

0

6.5

0

0

11.9

+6.5

0

0

+11.9

•

•

•

Other

\_

(lakes, ponds, streams, rivers, etc.) Wetlands (freshwater or tidal)

Non-vegetated (bare rock, earth or fill)

Describe: Recreational trails and facilities

<ul> <li>c. Is the project site presently used by members of the community for public recreation?</li> <li><i>i.</i> If Yes: explain: <u>The Project Site is a public ski resort</u></li> </ul>	<b>V</b> Yes No
<ul><li>d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?</li><li>If Yes,</li><li><i>i</i>. Identify Facilities:</li></ul>	☐ Yes <b>⁄</b> No
<ul> <li>e. Does the project site contain an existing dam?</li> <li>If Yes: <ul> <li><i>i</i>. Dimensions of the dam and impoundment:</li> <li>Dam height:</li> </ul> </li> </ul>	☐ Yes <b>⁄</b> No
Dam length: feet     Dam length: feet     Surface area: acres     Volume impounded: gallons OR acre-feet     ii. Dam's existing hazard classification:	
iii. Provide date and summarize results of last inspection:	
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility Yes.	∐Yes <b>∑</b> No lity?
<i>i</i> . Has the facility been formally closed?	Yes No
• If yes, cite sources/documentation:	
<i>iii.</i> Describe any development constraints due to the prior solid waste activities:	
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? If Yes:	☐ Yes <b>Z</b> No
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurr	ed:
<ul> <li>h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?</li> </ul>	∐Yes ☑ No
<i>i</i> . Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:	☐Yes No
□ Yes – Spills Incidents database       Provide DEC ID number(s):         □ Yes – Environmental Site Remediation database       Provide DEC ID number(s):         □ Neither database       Provide DEC ID number(s):	
<i>ii.</i> If site has been subject of RCRA corrective activities, describe control measures:	
<i>iii.</i> Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s):	☐ Yes <b>Z</b> No
<i>iv.</i> If yes to (i), (ii) or (iii) above, describe current status of site(s):	

<i>v</i> . Is the project site subject to an institutional control limiting property uses?	Yes
<ul> <li>If yes, DEC site ID number:</li></ul>	
Describe any use limitations:	
<ul> <li>Describe any engineering controls:</li></ul>	☐ Yes ☐ No
E.2. Natural Resources On or Near Project Site	
a. What is the average depth to bedrock on the project site?5.3 feet	
b. Are there bedrock outcroppings on the project site? If Yes, what proportion of the site is comprised of bedrock outcroppings?%	☐ Yes <b>∕</b> No
c. Predominant soil type(s) present on project site:       Wellsboro and Wurtsboro       32.9 g         Arnot-Oquaga-Rock Outcrop       20.4 g         Lackawanna and Swartswood       17.4 g	% %
d. What is the average depth to the water table on the project site? Average:4 feet	
e. Drainage status of project site soils: ☑ Well Drained:67.1 % of site ☑ Moderately Well Drained:32.9 % of site □ Poorly Drained% of site	
f. Approximate proportion of proposed action site with slopes: $\square$ 0-10%:50.3 % of site $\square$ 10-15%: $\square$ % of site $\blacksquare$ 15% or greater: $\square$ 9% of site	
g. Are there any unique geologic features on the project site? If Yes, describe:	☐ Yes <b>⁄</b> No
<ul> <li>h. Surface water features.</li> <li><i>i</i>. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?</li> </ul>	<b>⊘</b> Yes⊡No
<i>ii.</i> Do any wetlands or other waterbodies adjoin the project site?	<b>√</b> Yes No
<i>iii.</i> Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal,	✓ Yes □No
<i>iv.</i> For each identified regulated wetland and waterbody on the project site, provide the following information: • Streams: Name <u>862-649</u> Classification <u>B(T)</u>	
Lakes or Ponds: Name Classification      Wetlands: Name Federal Waters, Federal Waters, Federal Waters, Approximate Size      Wotland No. (if recorded by DEC)	
<ul> <li>we traind No. (If regulated by DEC)</li></ul>	Yes <b>V</b> No
If yes, name of impaired water body/bodies and basis for listing as impaired:	
i. Is the project site in a designated Floodway?	<b>✓</b> Yes <b>□</b> No
j. Is the project site in the 100-year Floodplain?	<b>√</b> Yes <b>N</b> o
k. Is the project site in the 500-year Floodplain?	<b>√</b> Yes <b>N</b> o
<ul> <li>I. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?</li> <li>If Yes: <ul> <li>i. Name of aquifer:</li> </ul> </li> </ul>	☐Yes <b>Ø</b> No

m. Identify the predominant wildlife species	that occupy or use the project site:	Crew few	
Black bear	Eastern coyote	Gray fox	
		Fisher	
n Does the project site contain a designated s	viid luikey	Darred Own	Ves ZNo
If Yes:			
<i>i</i> . Describe the habitat/community (compos	ition, function, and basis for designati	on):	
		,	
<i>ii</i> . Source(s) of description or evaluation:			
iii. Extent of community/habitat:			
• Currently:		_ acres	
• Following completion of project as	proposed:	acres	
• Gain or loss (indicate + or -):		_ acres	
o. Does project site contain any species of pla	ant or animal that is listed by the feder	ral government or NYS as	☐ Yes <b>7</b> No
endangered or threatened, or does it contain	n any areas identified as habitat for an	endangered or threatened spec	ies?
If Yes:		-	
<i>i</i> . Species and listing (endangered or threatened	l):		
p. Does the project site contain any species of	of plant or animal that is listed by NYS	S as rare, or as a species of	☐ Yes <b>√</b> No
special concern?			
If Yes:			
<i>i</i> . Species and listing:			
q. Is the project site or adjoining area current	ly used for hunting, trapping, fishing o	or shell fishing?	<b>√</b> Yes <b>N</b> o
If yes, give a brief description of how the pro	posed action may affect that use:		
Adjacent area includes Shandaken Wild Forest when	e hunting is allowed. No effects are anticip	ated.	
E.3. Designated Public Resources On or N	ear Project Site		
a. Is the project site, or any portion of it, loca	ted in a designated agricultural distric	t certified pursuant to	Yes No
Agriculture and Markets Law, Article 25-	AA, Section 303 and 304?	-	
If Yes, provide county plus district name/num	nber:		
h Are agricultural lands consisting of highly	productive soils present?		
<i>i</i> If Yes: acreage(s) on project site?	productive sons present.		
<i>ii.</i> Source(s) of soil rating(s):			
- Does the preject site contain all an part of		na sistema d National	
c. Does the project site contain all or part of, Natural Landmark?	or is it substantially contiguous to, a	registered National	I Yes VINO
If Yes:			
<i>i</i> . Nature of the natural landmark:	Biological Community	eological Feature	
<i>ii.</i> Provide brief description of landmark, in	cluding values behind designation and	d approximate size/extent:	
		· · · · · · · · · · · · · · · · · · ·	
d In the president site located in or does it adie	in a state listed Critical Environments	1 4 #002	
If Yest	in a state risted Critical Environmenta	i Aita!	
<i>i</i> CEA name:			
<i>ii.</i> Basis for designation:			
<i>iii</i> . Designating agency and date:			

<ul> <li>e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commiss Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.</li> <li><i>i</i>. Nature of historic/archaeological resource: Archaeological Site III Historic Building or District <i>ii</i>. Name: Eligible property:c.1890 2-1/2 story cross-gabled residence w/wrap around porch</li> </ul>	☑ Yes⊡ No lioner of the NYS laces?
c. 1890; 2 1-2 story cross-gabled residence w/ wrap around porch	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	✓Yes No
<ul> <li>g. Have additional archaeological or historic site(s) or resources been identified on the project site?</li> <li>If Yes: <ul> <li>i. Describe possible resource(s):</li> <li>ii. Basis for identification:</li> </ul> </li> </ul>	☐Yes <b>Ø</b> No
<ul> <li>h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?</li> <li>If Yes: <ul> <li><i>i</i>. Identify resource: Catskill Park</li> </ul> </li> </ul>	¶Yes ∏No
<li>ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail o etc.): <u>State Park</u></li>	or scenic byway,
iii. Distance between project and resource:0 miles.	
<ul> <li>i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?</li> <li>If Yes:         <ul> <li>i. Identify the name of the river and its designation:</li> </ul> </li> </ul>	☐ Yes ZNo
<i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	□Yes □No

#### F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

#### G. Verification

I certify that the information provided is true to the best of my knowledge.

Date 03/08/2023 Title <u>Sustainability and Environmental</u> Compliance officer Applicant/Sponsor Name Emma G. Lamy Signature

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**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYS Major Basins: Upper Delaware, NYC Watershed Boundary
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	862-649
E.2.h.iv [Surface Water Features - Stream Classification]	B(T)
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Yes
E.2.j. [100 Year Floodplain]	Yes

E.2.k. [500 Year Floodplain]	Yes
E.2.I. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

#### Agency Use Only [If applicable]

Project :

Date :

## Full Environmental Assessment Form Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency and the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

#### **Tips for completing Part 2:**

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2. •
- If you answer "Yes" to a numbered question, please complete all the questions that follow in that section. •
- If you answer "No" to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact. •
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis. •
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action". •
- Consider the possibility for long-term and cumulative impacts as well as direct impacts. •
- Answer the question in a reasonable manner considering the scale and context of the project.

<ol> <li>Impact on Land         Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)         If "Yes", answer questions a - j. If "No", move on to Section 2.     </li> </ol>	□NO VES		YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d		
b. The proposed action may involve construction on slopes of 15% or greater.	E2f		
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a		
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a		
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e		
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q		
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i		
h. Other impacts:			

<ul> <li>2. Impact on Geological Features The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) If "Yes" answer questions a - c. If "No" move on to Section 3</li></ul>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached:	E2g		
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature:	E3c		
c. Other impacts:			
3. Impacts on Surface Water The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) If "Yes", answer questions a - l. If "No", move on to Section 4.			YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h		
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b		
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a		
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h		
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h		
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c		
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d		
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	Ø	
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h		
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h		
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d		

 $\mathbf{V}$ 1. Other impacts: \_ 4. Impact on groundwater **V**NO YES The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) If "Yes", answer questions a - h. If "No", move on to Section 5. Relevant No, or Moderate Part I small to large **O**uestion(s) impact impact may

	Question(b)	may occur	occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c		
<ul> <li>b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer.</li> <li>Cite Source:</li></ul>	D2c		
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c		
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E21		
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h		
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l		
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c		
h. Other impacts:			

<b>5. Impact on Flooding</b> The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) If "Yes", answer questions a - g. If "No", move on to Section 6.	NO		YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i		
b. The proposed action may result in development within a 100 year floodplain.	E2j		$\square$
c. The proposed action may result in development within a 500 year floodplain.	E2k		
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e		
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k		
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e		

g. Other impacts:			
6. Impacts on Air The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) If "Yes" answer questions a. f. If "No" move on to Section 7	<b>√</b> NO		YES
If Tes , unswer questions a - j. If Two , move on to section 7.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
<ul> <li>a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels: <ol> <li>More than 1000 tons/year of carbon dioxide (CO<sub>2</sub>)</li> <li>More than 3.5 tons/year of nitrous oxide (N<sub>2</sub>O)</li> <li>More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)</li> <li>More than .045 tons/year of sulfur hexafluoride (SF<sub>6</sub>)</li> <li>More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions</li> <li>Vi. 43 tons/year or more of methane</li> </ol> </li> </ul>	D2g D2g D2g D2g D2g D2g D2g		
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g		
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g		
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g		
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s		
f. Other impacts:			
<ul> <li>The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. r If "Yes", answer questions a - j. If "No", move on to Section 8.</li> </ul>	nq.)	NO	<b>V</b> YES
	Relevant Part I	No, or small	Moderate to large

	Question(s)	may occur	occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o		
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o		
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p		
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p		

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c		
<ul> <li>f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community.</li> <li>Source:</li></ul>	E2n		
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m		
<ul> <li>h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat.</li> <li>Habitat type &amp; information source:</li></ul>	E1b		
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	Z	
j. Other impacts:			

8. Impact on Agricultural Resources The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) If "Yes", answer questions a - h. If "No", move on to Section 9.		NO	YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b		
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb		
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b		
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a		
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b		
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d		
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c		
h. Other impacts:			

<b>9. Impact on Aesthetic Resources</b> The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)		o 🔽	YES
If Tes , unswer questions a <sup>2</sup> g. If two , go to section to.	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h		
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b		
<ul><li>c. The proposed action may be visible from publicly accessible vantage points:</li><li>i. Seasonally (e.g., screened by summer foliage, but visible during other seasons)</li><li>ii. Year round</li></ul>	E3h		
d. The situation or activity in which viewers are engaged while viewing the proposed	E3h		
action is: i Routine travel by residents, including travel to and from work	E2q,	_	_
ii. Recreational or tourism based activities	E1c		
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h		
<ul> <li>f. There are similar projects visible within the following distance of the proposed project:</li> <li>0-1/2 mile</li> <li>½ -3 mile</li> <li>3-5 mile</li> <li>5+ mile</li> </ul>	D1a, E1a, D1f, D1g		
g. Other impacts:			
<ul> <li>10. Impact on Historic and Archeological Resources</li> <li>The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)</li> <li>If "Yes", answer questions a - e. If "No", go to Section 11.</li> </ul>		o 🗸	YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
<ul> <li>a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.</li> </ul>	E3e		
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f		
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source:	E3g		

d. Other impacts:			
If any of the above (a-d) are answered "Moderate to large impact may e. occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f		
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b		
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3		
<ul> <li>11. Impact on Open Space and Recreation The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) If "Yes" answer questions a - e If "No" go to Section 12</li></ul>	<b>V</b> N0	о [	]YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p		
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q		
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q		
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c		
e. Other impacts:			
12 Impact on Critical Environmental Areas			
The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) If "Yes", answer questions a - c. If "No", go to Section 13.	V NO	о [	YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d		
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d		
c. Other impacts:			
	L	l	I

13. Impact on Transportation			
The proposed action may result in a change to existing transportation systems (See Part 1, $D$ , 2 i)	s. 🚺 N	D C	YES
If "Yes", answer questions a - f. If "No", go to Section 14.			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j		
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j		
c. The proposed action will degrade existing transit access.	D2j		
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j		
e. The proposed action may alter the present pattern of movement of people or goods.	D2j		
f. Other impacts:			
14. Impact on Energy			
The proposed action may cause an increase in the use of any form of energy. (See Part 1. D.2.k) If "Yes", answer questions a - e. If "No", go to Section 15.	<b>V</b> NO		YES
	Relevant Part I Question(s)	No, or small impact	Moderate to large impact may
	Question(3)	may occur	occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	may occur	occur
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> </ul>	D2k D1f, D1q, D2k		
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> </ul>	D2k D1f, D1q, D2k D2k		
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> <li>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</li> </ul>	D2k D1f, D1q, D2k D2k D1g		
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> <li>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</li> <li>e. Other Impacts:</li></ul>	D2k D1f, D1q, D2k D2k D1g		
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> <li>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</li> <li>e. Other Impacts:</li></ul>	D2k D1f, D1q, D2k D2k D1g		
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> <li>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</li> <li>e. Other Impacts:</li></ul>	D2k D1f, D1q, D2k D2k D1g		YES
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> <li>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</li> <li>e. Other Impacts:</li></ul>	D2k D1f, D1q, D2k D2k D1g ting. ✓NC Relevant Part I Question(s)	No, or small impact may occur	YES Moderate to large impact may occur
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> <li>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</li> <li>e. Other Impacts:</li></ul>	D2k D1f, D1q, D2k D2k D1g ting. ✓NC Relevant Part I Question(s) D2m	No, or small impact may occur	YES Moderate to large impact may occur
<ul> <li>a. The proposed action will require a new, or an upgrade to an existing, substation.</li> <li>b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.</li> <li>c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.</li> <li>d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.</li> <li>e. Other Impacts:</li></ul>	Question(s)         D2k         D1f,         D1q, D2k         D2k         D1g         tring.         Very NC         Relevant Part I Question(s)         D2m         D2m, E1d	No, or small impact may occur	YES Moderate to large impact may occur

d. The proposed action may result in light shining onto adjoining properties.	D2n	
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	
f. Other impacts:		

<b>16. Impact on Human Health</b> The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. ar <i>If "Yes", answer questions a - m. If "No", go to Section 17.</i>	Mod h.)	0	YES
	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d		
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h		
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h		
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h		
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h		
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t		
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f		
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f		
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s		
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h		
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g		
1. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r		
m. Other impacts:			

<b>17.</b> Consistency with Community Plans The proposed action is not consistent with adopted land use plans. (See Part 1 $\subseteq$ 1 $\subseteq$ 2 and $\subseteq$ 3)	<b>√</b> NO	[] Y	Ϋ́ES
If "Yes", answer questions a - h. If "No", go to Section 18.			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b		
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2		
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3		
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2		
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb		
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j		
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a		
h. Other:			
<ul> <li>18. Consistency with Community Character The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3)</li> </ul>	NO	,,	/ES
<b>18. Consistency with Community Character</b> The proposed project is inconsistent with the existing community character.         (See Part 1. C.2, C.3, D.2, E.3)         If "Yes", answer questions a - g. If "No", proceed to Part 3.			/ES
<b>18. Consistency with Community Character</b> The proposed project is inconsistent with the existing community character.         (See Part 1. C.2, C.3, D.2, E.3)         If "Yes", answer questions a - g. If "No", proceed to Part 3.	Relevant Part I Question(s)	No, or small impact may occur	YES Moderate to large impact may occur
<b>18. Consistency with Community Character</b> The proposed project is inconsistent with the existing community character.         (See Part 1. C.2, C.3, D.2, E.3)         If "Yes", answer questions a - g. If "No", proceed to Part 3.         a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	Relevant Part I Question(s) E3e, E3f, E3g	No, or small impact may occur	TES Moderate to large impact may occur
<b>18. Consistency with Community Character</b> The proposed project is inconsistent with the existing community character.         (See Part 1. C.2, C.3, D.2, E.3)         If "Yes", answer questions a - g. If "No", proceed to Part 3.         a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.         b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	✓ NO         Relevant         Part I         Question(s)         E3e, E3f, E3g         C4	No, or small impact may occur	TES Moderate to large impact may occur
18. Consistency with Community Character         The proposed project is inconsistent with the existing community character.         (See Part 1. C.2, C.3, D.2, E.3)         If "Yes", answer questions a - g. If "No", proceed to Part 3.         a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.         b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)         c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	Relevant         Part I         Question(s)         E3e, E3f, E3g         C4         C2, C3, D1f         D1g, E1a	No, or small impact may occur	YES Moderate to large impact may occur
<ul> <li><b>18. Consistency with Community Character</b> The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) If "Yes", answer questions a - g. If "No", proceed to Part 3. </li> <li>a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.</li> <li>b. The proposed action may create a demand for additional community services (e.g. schools, police and fire) c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing. d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.</li></ul>	Relevant         Part I         Question(s)         E3e, E3f, E3g         C4         C2, C3, D1f         D1g, E1a         C2, E3	No, or small impact may occur	YES Moderate to large impact may occur
<ul> <li><b>18. Consistency with Community Character</b> The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) <i>If "Yes", answer questions a - g. If "No", proceed to Part 3.</i> </li> <li>a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.</li> <li>b. The proposed action may create a demand for additional community services (e.g. schools, police and fire) c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing. d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources. e. The proposed action is inconsistent with the predominant architectural scale and character.</li></ul>	Relevant Part I Question(s)           E3e, E3f, E3g           C4           C2, C3, D1f           D1g, E1a           C2, E3           C2, C3	No, or small impact may occur	YES Moderate to large impact may occur
<ul> <li><b>18. Consistency with Community Character</b> The proposed project is inconsistent with the existing community character. (See Part 1. C.2, C.3, D.2, E.3) <i>If "Yes", answer questions a - g. If "No", proceed to Part 3.</i> </li> <li>a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community. b. The proposed action may create a demand for additional community services (e.g. schools, police and fire) c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing. d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources. e. The proposed action is inconsistent with the predominant architectural scale and character. f. Proposed action is inconsistent with the character of the existing natural landscape.</li></ul>	Relevant Part I Question(s)           E3e, E3f, E3g           C4           C2, C3, D1f           D1g, E1a           C2, E3           C2, C3           C2, C3           E1a, E1b           E2g, E2h	No, or small impact may occur	YES Moderate to large impact may occur

# PRINT FULL FORM

Project : Date :

### Full Environmental Assessment Form Part 3 - Evaluation of the Magnitude and Importance of Project Impacts and Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

#### **Reasons Supporting This Determination:**

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

see attached supplemental EAF Part 3 narrative.

	Determinat	ion of Significance -	Type 1 and	Unlisted Actions	
SEQR Status:	Type 1	Unlisted			
Identify portions of EAI	F completed for this	Project: 🖌 Part 1	✓ Part 2	Part 3	

n review of the information recorded on this EAF, as noted, plus this additional support information
considering both the magnitude and importance of each identified potential impact, it is the conclusion of the pic Regional Development Authorityas lead agency that:
A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact ment need not be prepared. Accordingly, this negative declaration is issued.
B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or tantially mitigated because of the following conditions which will be required by the lead agency:
re will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative aration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).
ment must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those acts. Accordingly, this positive declaration is issued.
e of Action: Bellearye Mountain Ski Center
e of Lead Agency: Olympic Regional Development Authority
ie of Responsible Officer in Lead Agency: Emma G. Lamy
of Responsible Officer: Sustainability & Environmental Compliance Officer
nature of Responsible Officer in Lead Agency: Gunua M. A. Date: 03/08/2023
ature of Preparer (if different from Responsible Officer) Date:
Further Information:
tact Person: Emma Lamy
ress: Olympic Center, 2634 Main Street
phone Number: (518) 302-5314
ail: elamy@orda.org
Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:
of Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of) or involved agencies (if any) licant (if any) ironmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

# State Environmental Quality Review NEGATIVE DECLARATION Notice of Determination of Non-Significance

Date: March 8, 2023

This notice is issued pursuant to Part 617 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act, [SEQRA]) of the Environmental Conservation Law.

The New York State (NYS) Olympic Regional Development Authority (the Olympic Authority), as lead agency, has determined that the proposed action below will not have a significant adverse environmental impact and a Draft Environmental Impact Statement will not be prepared.

<u>Name of Action</u>: Belleayre Mountain Ski Center 2023 Unit Management Plan Amendment (UMPA).

#### SEQR Status: Type I

<u>Description of the Action</u>: The Olympic Authority is proposing several modifications to the Belleayre Mountain Ski Center in order to achieve greater operational efficiencies and meet the needs of additional user demands. Modifications include proposed improvements to Lift 7, construction of a staircase connecting parking lots A&B, construction of a skier bridge, widening of several ski trials, a new Nordic loop, construction of a beginner skiing area, installation of new electric vehicle charging stations, expanding the existing Longhouse Lodge, renovating the existing Administration Building, construction of a snowmaking reservoir, a new prefabricated restroom, and a new gondola building (the Project).

The purpose and need for the actions described in the Unit Management Plan Amendment (UMPA), including the new management actions, is the on-going improvement and modernization of facilities at Belleayre Mountain Ski Center that will add to public accessibility, increase user safety, and enhance recreational pursuits.

Prior to construction and implementation of the proposed management actions described and evaluated herein, final siting and design as well as applicable engineering studies will be conducted.

Location: Belleayre Mountain Ski Center, 181 Galli Curci Rd, Highmount, NY 12441

<u>Reasons Supporting this Determination</u>: Careful and thorough consideration of the proposed action revealed the following:

- 1. No potential adverse impacts were identified for the following topics in Part 2 of the prepared Full Environmental Assessment Form (FEAF): geological features, groundwater, air, agricultural resources, open space and recreation, critical environmental areas, transportation, energy, noise, odor, and light, human health, consistency with community plans, and consistency with community character.
- 2. The potential for adverse impacts were identified for the following topics in Part 2 of the FEAF: land, surface water, flooding, plants and animals, aesthetic resources, historic and archeological resources.

### **Project Impact Summary**

To assist the Olympic Authority in their review of the UMPA for the Belleave Ski Center modifications and improvements in accordance with the SEQRA the following summary to predicted environmental impacts is provided. This information builds upon, and is provided as a supplement to, Part 2 of the FEAF and serves as Part 3 of the FEAF in accordance with SEQRA.

In response to the requirements of SEQRA, the Olympic Authority serving as the Lead Agency must complete a statement containing rationale in support of their determination of significance (Part 3 of the FEAF). As documented in the FEAF, the majority of the Part 2 questions/answers indicate there will be no impact, or a small impact may occur. However, there are four questions for which the impact has been identified as potentially "moderate to large". These four questions, with expanded impact summaries for each, are provided below.

### 1. Impact on Land

1b. The proposed action may involve construction on slopes of 15% or greater.

According to the Web Soil Survey, 49.7% of the Project is on slopes of 15% or greater. This is due to the nature of the Project. Belleayre Mountain is located on high slopes for downhill snow sports. The proposed expansion is consistent with the nature of the existing conditions, and thus no negative impacts to the land due to construction on slopes is anticipated. However, impact avoidance measures will be implemented, including those identified in a project-specific SWPPP to control sediment and erosion. Thus, impacts to land will be limited.

1c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.

According to the Web Soil Survey, the average depth to bedrock of the Project is approximately 5.3 feet. A majority of the proposed action is trail expansion and will not disturb any potentially exposed bedrock. Further, based on initial assessment and a review of past work at the Belleayre Mountain Ski Center, no blasting is anticipated. Thus, no negative impacts are anticipated.

1d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.

Excavation of natural material will be required for construction of the snowmaking reservoir and adjacent level areas, and to correct drainage if needed. All excavated material will remain on site for reuse. No off-site trucking or hauling is proposed. Thus, no negative impacts are anticipated.

1f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).

The Project will create approximately 34,848 square feet of impervious surface. The Project will comply with the NYSDEC SPDES General Permit, including the completion of a SWPPPP with erosion and sediment control measures. These include:

- Stabilized construction entrances
- Silt fence
- Check dams
- Concrete washouts
- Tree protection measures
- Culvert inlet protections
- Bioretention basins
- Swale channel lining

Thus, no adverse impact associated with increased erosion is anticipated.

#### 3. Impacts on Surface Water

*3a. The proposed action may create a new water body* 

The Olympic Authority is proposing a new snowmaking reservoir at Belleayre Mountain, as current snowmaking production is limited by water storage capacity. The proposed snowmaking reservoir is located at the intersection of Old Schoolhouse Road and County Road 49a. The proposed snowmaking reservoir has a surface area of approximately 6.5 acres with a storage volume of approximately 25 million gallons at a depth of about 20 feet.

*3d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.* 

Through a combination of desktop analysis and on the ground delineations performed in 2021, a total of four wetlands and 17 streams were identified within or adjoining to the Project. The proposed improvements have been designed to avoid direct impacts to wetlands to the extent practicable and on-site delineations will occur within any remaining areas prior to construction. Any impacts to jurisdictional wetlands or water resources associated with the Project will require coordination with and permitting from the appropriate regulatory agency as described in Section V of the UMPA. Disturbance to federally regulated wetlands is anticipated to be under the 0.1-acre threshold for authorization by the United States Army Corps of Engineers (USACE) Nationwide Permit.

3h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.

The Project will create approximately 34,848 square feet of impervious surface. The Project will comply with the NYSDEC SPDES General Permit, including the completion of a SWPPPP with erosion and sediment control measures as described above under the response to question 1f.

Thus, no adverse impact associated with increased erosion is anticipated.

*3i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.* 

Through a combination of desktop analysis and on the ground delineations performed in 2021, a total of four wetlands and 17 streams were identified within or adjoining to the

Project. The proposed improvements have been designed to avoid direct impacts to wetlands to the extent practicable and on-site delineations will occur within any remaining areas prior to construction. Any impacts to jurisdictional wetlands or water resources associated with the Project will require coordination with and permitting from the appropriate regulatory agency as described in Section V of the UMPA. Disturbance to federally regulated wetlands is anticipated to be under the 0.1-acre threshold for authorization by the USACE Nationwide Permit.

The Project will comply with the NYSDEC SPDES General Permit, including the completion of a SWPPP. Thus, no negative impacts to water quality of any bodies of water are anticipated.

#### 5. Impact on Flooding

5a. The proposed action may result in development in a designated floodway.

The Project will not have an adverse impact to any designated floodway. Per a review of the FEMA's National Flood Hazard Layer (NFHL) Viewer, portions of the Project adjacent to Birch Creek and associated tributaries are in a designated floodway. The development of the proposed Nordic loop trails may occur within this mapped floodway. Development of the Nordic loop will require minimal tree clearing and grading and will not add any additional permanent infrastructure or impervious surfaces. No fill is proposed within the floodway. In addition, all construction equipment will be stored outside the floodway. All erosion and sediment controls will be reinforced, and the Site will be stabilized in accordance with the SWPPP. The actions associated with the Project are consistent with the current character of the land and surrounding area, and thus will not contribute to higher flood risk.

#### 5b. The proposed action may result in development within a 100-year floodplain.

The Project will not have an adverse impact to a 100-year floodplain. Per a review of the FEMA's National Flood Hazard Layer (NFHL) Viewer, portions of the Project adjacent to Birch Creek and associated tributaries are within a 100-year floodplain. The development of the proposed Nordic loop trails may occur within this floodplain. Development of the Nordic loop will require minimal tree clearing and grading and will not add any additional permanent infrastructure or impervious cover. No fill is proposed in the floodplain. In addition, all construction equipment will be stored outside the floodway. All erosion and sediment controls will be reinforced and designed to withstand 100-year flood conditions, and the site will be stabilized in accordance with the SWPPP.
#### 5c. The proposed action may result in development within a 500-year floodplain.

The Project will not have an adverse impact to a 500-year floodplain. Per a review of the FEMA's National Flood Hazard Layer (NFHL) Viewer, portions of the Project adjacent to Birch Creek and associated tributaries are within a 500-year floodplain. The development of the proposed Nordic loop trails may occur within this floodplain. Development of the Nordic loop will require minimal tree clearing and grading and will not add any additional permanent infrastructure or impervious surfaces. No fill is proposed within the flood plain. In addition, all construction equipment will be stored outside the floodway. All erosion and sediment controls will be reinforced, and the site will be stabilized in accordance with the SWPPP.

*5e. The proposed action may change flood water flows that contribute to flooding.* 

The Project will not cause a significant change in water flows or contribute to increased flooding. No significant increases in permanent infrastructure or impervious cover are proposed within the floodplain, and proposed tree clearing will be minor. No adverse impacts to the available floodplain capacity anticipated. The proposed work is not anticipated to affect flood flow and is consistent with the existing landscaping within the Project. All stream crossings will be engineered according to USACE guidelines and best practices.

#### 7. Impact on Plants and Animals

7h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat.

The Project requires the conversion of 19 acres of forested land to recreational trails and associated facilities. This conversion is a relatively small portion of land in relation to the surrounding area and is not a contiguous 19 acres. Much of the proposed work is sited on previously disturbed land where existing trails or infrastructure are located. Approximately 1.6 miles of new trail will be developed and widened to 30 feet and minor tree clearing will be required to facilitate trail widening. No fill or earthwork is proposed for the new trail construction.

As indicated in Section IV(G) of the UMPA, consultation of New York's Environmental Resource Mapper (ERM) and USFWS Information Planning and Consultation (IPAC) Databases identified no threatened, endangered, or species of special concern, significant natural communities, or critical habitats in the vicinity of the Project Site. The IPaC did

identify one candidate species, monarch butterfly (*Danaus plexippus*), as potentially occurring within the Project Site. However, suitable habitat for the monarch butterfly (i.e., prairie, meadow, grassland) are not present within the Project Site and will not be impacted. Therefore, no impacts to the monarch butterfly are anticipated. As a result, the Project will not have significant adverse impacts to plants and animals.

#### 9. Impact on Aesthetic Resources

9a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.

A visibility assessment was conducted for the major proposed management actions to determine the geographic extent of potential visibility from the surrounding area. The results of the assessment indicate that potential visibility from the surrounding area was highly limited. Where views would be possible, potential impacts would be mitigated by distance from the Ski Center, substantial screening by intervening vegetation, and the presence of existing ski resort infrastructure that occurs in the views. Therefore, no change to the character of the views or adverse visual impacts are anticipated.

9c. The proposed action may be visible from publicly accessible vantage points:

- *i.* Seasonally (e.g., screened by summer foliage, but visible during other seasons)
- ii. Year round

The Project Site is located within the New York State Catskill Park and is visible from public roads within the park. This Project involves minor expansions within the existing Belleayre Mountain Ski Center and is not anticipated to have a significant adverse impact on aesthetic resources from publicly accessible vantage points.

9d. The situation or activity in which viewers are engaged while viewing the proposed action is:

- *i.* Routine travel by residents, including travel to and from work
- *ii. Recreational or tourism-based activities*

The Project Site is visible from the road where routine travel occurs by residents. The Project Site (Belleayre Ski Mountain) is recreational and tourism-based in nature, so the Project will be visible. This Project involves minor expansions within the existing Belleayre Mountain Ski Center and is not anticipated to have significant adverse impact on aesthetic resources for viewers.

### **10. Impacts on Historic and Archaeological Resources**

10a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.

A historic building built in 1890, characterized as a 2.5 story cross-gabled residence w/ wrap around porch, was identified to be near or within the Project Site. No Project activities are proposed near this building, and no adverse impacts to it are anticipated. According to the correspondence from the NY State Historic Preservation Office (SHPO) dated September 17<sup>th</sup>, 2021, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

10b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.

Question E3f on Part 1 of the Full Environmental Assessment Form for the Project indicates that the Project Site, or any portion of it, is located adjacent to an area designated as sensitive for archaeological sites on the SHPO archaeological site inventory. According to the correspondence from SHPO dated September 17<sup>th</sup>, 2021, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this Project.

### **Conclusion**

Upon review of the information recorded in this FEAF and considering both the magnitude and importance of each identified potential impact, it is determined that this Project will not result significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. As such, a determination of non-significance (Negative Declaration) may be undertaken by the Lead Agency.

# Exhibit 2.

Trail Inventory and Analysis

# **Trail Inventory and Analysis**



December 2021 (Amended Dec. 2022)

Prepared for:



NYS Olympic Regional Development Authority 37 Church Street Lake Placid, NY 12946

Prepared by:

The LA Group, Landscape Architecture and Engineering, P.C. 40 Long Alley, Saratoga Springs, New York 12866 (518) 587-8100 www.thelagroup.com



#### Introduction

The following Trail Inventory and Analysis was performed as part of an ongoing effort by the Olympic Regional Development Authority, (ORDA), and the Belleayre Mountain Ski Center to update and maintain the calculated ski trail mileage that currently exists on the mountain. The inventory primarily focuses on mileage and widths of existing and previously approved trails, however trails proposed as part of a 2021 Unit Management Plan Amendment are also included to provide a comprehensive analysis that considers potential future trail improvements. Other details, such as trail difficulty designations and skiable acreage are not included here but can be found within the 2015 Unit Management Plan.

The last update to the Belleayre trail inventory was included in the 2015 Unit Management Plan. At that time, an existing trail length of 16.3 miles was reported along with cleared acreages and average trail widths. This analysis seeks to update the existing data utilizing the same methodologies established for similar trail inventories performed for Gore Mountain and Whiteface ski areas, so that the same standards are applied across all three mountains and trail mileage is calculated in a consistent fashion.

The analysis below calculates trail width in accordance with existing legislation and documents the methodology used. A brief summary of calculations found in existing Unit Management Plans and related amendments is provided, along with additional description of all ski area appurtenances considered as part of this effort. Findings are summarized at the end of the analysis.

## **1.0** Background: New York State Constitution, Article XIV (Conservation)

## **1.1** History of Legislation Pertaining to Belleayre Mountain and the Creation of Ski Areas on Forest Preserve Lands

The Catskill Forest Preserve was created in 1885 by an act of the New York State Legislature. The Forest Preserve was given protection by the State Constitution, on January 1, 1895, which dictated lands be "forever kept as wild forest lands" in Article XII, Section 7, now known as Article XIV, Section 1.

Article XIV, Section 1 of the New York State Constitution is now known as the "forever wild" clause protecting state Forest Preserve lands. On November 4, 1941, the clause was amended by a vote of the People of the State of New York authorizing the:

"constructing and maintaining [of] not more than twenty miles of ski trails thirty to eighty feet wide on the north, east and northwest slopes of Whiteface Mt. in Essex County." In 1944 the New York State Legislature created the Whiteface Mountain Authority from the Whiteface Mountain Highway Commission (Chapter 691 of the Laws of 1944). The new Authority assumed the responsibility for the Whiteface Mountain Memorial Highway and was also given the authority to: *"Acquire, construct, reconstruct, equip, improve, extend, operate and* 

maintain ski trail developments"

at Whiteface Mountain, Gore Mountain and Old Forge. As such, "ski trail development" was further defined to mean:

"ski trails, ski tows, open slopes made available for skiing, and all such appurtenances, facilities and related developments as in the judgment of the Authority may be necessary for the promotion, use and enjoyment of the ski trails." (Laws of 1944 Ch. 691, §1; Public Authorities Law §101 (repealed 1974).

In 1947, Article XIV was amended again to allow the Conservation Department, (now known as the New York State Department of Environmental Conservation, authority to ......"construct and maintain not more than twenty miles of ski trails thirty to eighty feet wide, on the slopes of Belleayre Mountain in Ulster and Delaware Counties". Construction of Belleayre Mountain Ski Center began in 1949 and the Ski Center embarked on its premier winter season showcasing five trails, an electrically powered rope tow, New York's first chairlift, a summit lodge, a temporary base lodge with a cafeteria and parking for 300 automobiles. Belleayre would become the center for winter sports in the region and an economic catalyst for surrounding communities.

In 1987, another constitutional amendment to the "forever wild" clause of Article XIV was approved allowing Belleayre to increase its allowable trail mileage and widths. The amendment specifically authorizes:

"constructing and maintaining not more than twenty-five miles of ski trails thirty to two hundred feet wide, together with appurtenances thereto, provided that no more than two miles of such trails shall be in excess of one hundred twenty feet wide, on the slopes of Belleayre Mountain in Ulster and Delaware counties".

Since 1987, there have been no further amendments and Belleayre Mountain presently operates under this same authorization.

In 1968 Whiteface joined Belleavre and Gore Mountain as the third ski area under the management umbrella of the New York State Department of Environmental Conservation. In 1982 following the 1980 Winter Olympics in Lake Placid, the Olympic Regional Development Authority (ORDA) was created and assumed the responsibility of continuing the development, maintenance and operation of Whiteface and the other remaining Olympic venues. A DEC / ORDA Memorandum of Understanding in 1984 transferred the management and operation of Gore Mountain to ORDA, and in 2012 New York State transferred operation, maintenance, and development responsibilities at Belleayre to ORDA. Although ORDA has day to day management authority over Belleayre Gore and Whiteface, DEC retains ultimate jurisdiction over all three facilities.

In addition to the enabling legislation found in Article 14, Section 1 of the New York State Constitution and the several amendments to that document that were approved by the People of the State of New York, interpretations and actual application of legislation pertaining to the development, maintenance and operation of ski trails on "forever wild" lands have been made which are pertinent to understanding what is allowed. The single most comprehensive interpretation of the legislation was made by New York State Department of Environmental Conservation (DEC) attorney Philip H. Gitlen in a February 17, 1977 memorandum pertaining to the proposed expansion and improvements to Whiteface Mountain in anticipation of hosting the 1980 Winter Olympics.

In this memorandum Mr. Gitlen opined extensively on the calculation procedure for allowed trail widths at Whiteface Mountain as allowed by the legislation and as historically developed at the ski area.

The first condition in this memorandum relates to trail width where two or more trails join together. In this instance Mr. Gitlen observed that "where two or more trails join together they were often developed so as to be a multiple of allowable 80 ft. width . . ." Several trails were found to be 200 to 300 feet wide. From this observation Mr. Gitlen concluded that "where two or more trails join together a multiple of the constitutionally imposed width limitation may be allowable."

Secondly, Mr. Gitlen observed that "trails which have lifts associated with them are often considerably wider than the constitutionally stated maximum width of 80 feet." From this observation Mr. Gitlen concluded that "where a chair lift bisects a trail, an allowance for the width of the chair lift may be allowed in addition to the constitutional requirements for trail widths." He further justified this conclusion stating that "this has the beneficial effect of limiting the amount of new clearing required for chair lifts and enhancing the visual appearance of the ski center. (NYS DEC) staff has advised that clearing for a chair lift would be at least thirty to fifty feet".

With respect to the constitutional limitation which limits the total mileage of trails, when discussing the construction of the new Giant Slalom trail at

Whiteface Mr. Gitlen stated that "...the construction of this ski trail will not violate the express limitation on the allowable length of trails to be developed. This is so even if one considers areas where two trails join together as separate trails for the mileage computation".

Lastly, Mr. Gitlen recognized the fact that snowmaking pipelines and grooming equipment are necessities of a modern ski area. As such, he opined that an allowance in trail width should be made. ". . . for access by modern snow grooming machinery without creating an unsafe condition for the recreational skier, and provision of adequate means of access for use and maintenance of the snow making systems to be installed without decreasing the safety afforded the recreational skier."

In conclusion, Mr. Gitlen found that "several working rules may be derived from both the past history of Whiteface Mountain and the requirements attendant with the development of a modern ski center." They are:

- 1. Where a lift bisects a trail, an allowance for the clearing required for the lift must be made. In such cases, a minimum of 30 additional feet of clearing is required for the lift line.
- 2. Where trails join together or at the junction of two trails a multiple of the 80-foot width is allowable; and
- 3. Sufficient clearing adjacent to ski trails can be allowed for the purposes of installing and maintaining snowmaking systems, an appurtenance to a modern ski center.

### 1.2 Collaboration and Consultation with State Agencies

The Catskill Park State Land Master Plan (also referred to herein as "CPSLMP") sets forth standards and criteria for the development and management of stateowned lands within the Catskill Park. The 2008 revision of the Catskill Park State Land Master Plan classified the lands constituting the Belleayre Mountain Ski Center as an "Intensive Use Area". This classification requires that the Ski Center comply with the CPSLMP's applicable guidelines for Intensive Use Areas and sets forth the boundaries of the Intensive Use Area. The CPSLMP requires the Department and Facility Operator to prepare a Unit Management Plan, (UMP), prior to initiating any new development, construction, or expansion of the facility.

Use, operation, maintenance and management of the Belleavre Mountain Ski Center was delegated to ORDA in 2012, pursuant to Section 2614, subdivision 4 of Title 28 of Article 8 of the New York State Public Authorities Law and an implementing Cooperative Agreement. Under the agreement, ORDA is to cooperate with NYSDEC to complete and periodically update a UMP for the ski area. The 1985 UMP for Belleayre was updated in 1998 and again in 2015. In 2020 a minor UMP Amendment was approved and as of this writing, a 2021 UMP Amendment is proposed.

Previous UMP documents included an inventory of existing ski trails and proposed new ski trail development. Mileage calculations were included and proposed increases in trail mileage were reviewed and approved by the DEC for each UMP.

## 2.0 Trail Width and Length Guidance Established for Belleayre Mountain

As previously stated, Belleayre Mountain is authorized, at this time, to maintain and operate "...not more than twenty-five miles of ski trails thirty to two hundred feet wide, together with appurtenances thereto, provided that no more than two miles of such trails shall be in excess of one hundred twenty feet wide . ..."

Based on an understanding of Article 14, Section 1 of the New York State Constitution, the "forever wild" clause, and Amendments as approved by the People of the State of New York and interpretations made by DEC, especially NYSDEC Attorney Mr. Philip Gitlen, Esq., and actual historic practice of implementing the legislation, Belleayre Ski Center has applied the following guidance for the measurement of trail widths and length:

- 1. Where a lift bisects a trail, allowances for the clearing required for the lift can be made. These clearing allowances are not included in the trail width calculation. Based on today's lift safety standards, Belleayre should apply a clearing allowance of forty feet for a double chair lift and surface lift and sixty feet for a triple chair lift, quad chair lift and gondola to accommodate chair/cab swing due to wind and avoid hazardous trees in case of a tree blow down. This is in accordance with Mr. Gitlen's guidance that "... a minimum of 30 additional feet clearing is required for the lift line."
- 2. For the purpose of calculating width, where two or more trails join together to create a wider, single open slope, the slope may be counted as a single trail, or as a multiple of the constitutionally imposed width limitation. At the time of Mr. Gitlen's conclusion the constitutionally imposed width limitation was 80 feet. As a result of the 1987 Amendment to the NYS Constitution the current width limitation is both

120 feet and 200 feet. Therefore, if an area where two or more trails join together exceeds 120 feet in width but is less than 200 feet, Belleayre may elect to count this as a single trail segment within the allowable 5 miles of trails over 120 feet in width, or as multiple trails, each with the 120 feet width limitation. In the case where it is counted as multiple trails, the mileage of each trail shall count toward the maximum allowable trail length. This is in accordance with Mr. Gitlen's conclusions.

- 3. Where snowmaking systems exist on a ski trail, a clearing allowance of 10 feet can be applied to allow for the installation, operation, and maintenance of snowmaking systems. This clearing allowance does not get included in the width calculation for trails with snowmaking systems. This is in accordance with Mr. Gitlen's guidance..." sufficient clearing adjacent to ski trails can be allowed for the purposes of installing and maintaining snowmaking systems, an appurtenance to a modern ski center." Based on discussion presented in Mr. Gitlen's memo, a 10' width allowance for snowmaking was proposed as a suitable width at that time. In past UMP documents, a 15' clearing allowance for snowmaking was determined to be sufficient and applied where applicable. For the purpose of this analysis, the more conservative 10' allowance is applied. The same allowance could be applied to similar infrastructure adjacent to trails such as power lines, for the same reasons; to allow room for safe installation and maintenance of an appurtenance, with the realized benefit of consolidating clearing for both trails and utilities in a single location.
- 4. This Inventory takes no position on the issue of whether the length and width of glades should be applied against constitutionally authorized trail lengths and widths. The Gitlen memo does not discuss the issue of whether glades should be counted, and there have been no court cases on the issue. Even if glades are counted, however, the total mileage and width of ski trails at Belleayre are within the constitutional limits.
- 5. "Work Roads" are not included in trail length computations since they are not maintained for skiing, but are used for trail maintenance and grooming access. Similarly, areas adjacent to trails where snowmaking equipment is staged or temporarily stored shall not be included in calculated trail width. These are considered "appurtenant to a ski area".
- 6. "Queuing/Trail Access areas" are not included in the trail length computation since they are not defined ski trails. These areas are typically adjacent to lodges, ski patrol buildings and other appurtenant buildings and lift terminals. They are used by skiers to take their skis on

or off, adjust their gear, or wait in line to load lifts or unload from lifts. They are also used by mountain staff and maintenance crews for access and maintenance to appurtenant structures. These areas are considered 'appurtenant' areas.

7. Only ski trails on "intensive use area" lands are included in the trail length mileage that is counted against the constitutional limitation. Trails on the parcel of land including the former Highmount Ski Area are on privately controlled lands and are not subject to inclusion in the trail length calculations, since they are not located on State owned Forest Preserve Lands. The length of these trails is tabulated and included as an independent number.

### 3.0 Ski Trail Inventory

## 3.1 Summary of Previous Trail Development/Approval by UMP

Belleavre Mountain has been in a continuous mode of upgrading its trail system, with the most significant improvements coming after 1985. This included simple safety and widening improvements that did not increase trail length, as well as (more recently) the development of new trails, more significant trail widening and expanding the snowmaking infrastructure.

A review of past UMP's indicates the following progress in trail development at Belleayre Mountain.

- The 1998 UMP reported a total of 31 existing trails with a total length of 14 miles. Two new trails were proposed in this UMP.
- Between the 1998 UMP and the 2015 UMP approximately 3.8 miles of trails were constructed. This included trails approved as amendments to the 1998 UMP.
- The last detailed trail length calculation was performed as part of the 2015 UMP. At that time, an existing trail length of 17.8 miles was reported along with cleared acreages and average trail widths.
- In the 2015 UMP 5.3 miles of new trails were proposed resulting in a total of 23.1 miles of approved trails.
  - 2.15 miles of the 5.3 that were approved are located on the Highmount Parcel, which is still privately held and has not been acquired by NYS.
  - Total length of approved trails without the Highmount parcel is 20.75 miles.

• Since the 2015 UMP, approximately 0.4 miles of trails have been constructed and the learn to ski areas near the Discovery Lodge have been reconfigured within existing cleared areas.

## 3.2 Trail Length Calculation Methodology

The trail length calculation methodologies used in similar trail inventories performed for Gore Mountain and Whiteface, based on the guidance and criteria established in Section 2 and further defined below, allows for a more detailed refinement of the trail mileage calculations that were presented in previous Unit Management Plans, and provides a consistent calculation standard across all three ski areas.

For this inventory, trail mileage of developed ski trails was calculated using a combination of available survey data and the most recently available aerial photography. This includes aerials provided by the NY Statewide Digital Orthoimagry Program and NYS Office of Cyber Security, Fall 2015 natural color imagery (image pixel size of 2' and horizontal accuracy within 4' at the 95% confidence level), and High Definition natural color imagery available from Google Earth, imagery date May 2015. The aerial imagery was imported into both GIS and AutoCAD software allowing spatial data such as length and width of each trail to be collected not only for historically built trails, but also for improvements constructed since the 2015 UMP inventory. Active ski trails were identified and verified using current Belleayre Mountain trail map guides which promote and advertise the skiable terrain at Belleavre, information from the Belleayre General Manager, and first-hand knowledge of the mountain gained through site visits. Ski lifts, work roads, snowmaking and other appurtenances were also identified and accounted for using the same sources noted above, along with background information and mapping included in previous UMPs and Amendments.

Building on the process noted above, trails were then measured and categorized as being less than 30 feet wide, 30 to 120 feet wide and 120 to 200 feet wide. The guidance noted in Section 2.0 above was used as the baseline criteria for this effort. While applying this guidance, the following assumptions and/or determinations were made regarding the measurement and categorization of each trail.

 An appurtenant width allowance (a safety and maintenance zone for snowmaking, power lines or lifts) was applied to a total of twelve (12) trails. This means the actual width of these trails is greater than either 120' or 200', but after applying the width allowance they are classified as less than either 120' or 200'.

- 2. In accordance with Guidance #2, where two trails join together the width is either calculated as a single trail, or a multiple of the constitutional width limit. A few areas where this is most notable includes the bottom of Belleayre Run and Tongora, the bottom of Peekamoose and Pepacton, the top of Chinook, Area 51 and Terrain Garden, and near the Discovery Lodge where Mohican, Huron and Iroquois come together. In these cases, where two trails with no trees between them create a single cleared area, the area is delineated as two trails and calculated as two trails less than 120' or 200' each. Additionally, after Dot Nebel was widened for racing to meet homologation requirements after the 1998 UMP, two portions of the trail include a cleared area greater than 200'. Similar to where two trails join together, this cleared area is delineated as two trails and calculated as two trails less than 120', with the length of each being applied towards the constitutional mileage limitation.
- 3. In accordance with Guidance #5 in Section 2.0 above, cleared areas for work roads and/or areas that connect portions of trails and remain open for grooming access, maintenance access or emergency access and not offered for skiing by the public were excluded from the mileage calculation.
- 4. In accordance with Guidance #6 in Section 2.0 above, skier queuing areas were identified, mapped, and excluded from the mileage calculation.
- 5. Appurtenant cleared areas that are independent of ski trails such as electric line routes, other utility line routes and lift line corridors, (active or abandoned), are excluded from the mileage calculation since they are not maintained for skiing. Appurtenant cleared areas such as work roads that are groomed and provide skiable connections between trails are included in the calculations. These connector trails are not advertised on Belleayre's published trail map and are designated with a "C" and a number, (example, C6), on the Maps and Tables in the Inventory.
- 6. In accordance with Guidance #7 in Section 2.0 above, only trails on Forest Preserve lands classified as Intensive Use were included in the final mileage calculation. Trails located within the Highmount Parcel are excluded from the mileage total and tabulated independently.

### 4.0 Trail Length Summary

Drawing 1, "Existing Trail and Glade Inventory," illustrates the existing ski trails and glades at Belleayre for the Winter 2021/2022 ski season. Drawing 2,

"Existing and Approved Trail and Glade Inventory", provides additional detail illustrating trail widths and shows trails that were approved in previous UMP's that have not yet been constructed. Drawing 3, "Proposed Trail Modifications" illustrates modifications to the existing trail network that are included in the 2021 UMP Amendment, including the addition of new trails and modifications to existing and approved trails. Finally, Drawings 4-7, "Existing, Approved and Proposed Trail and Glade Inventory" shows the trail network after all proposed modifications.

Table 1, "Trail and Glade Milage Summary" provides a summary of the trail calculations as they relate to the constitutional mileage limitations. Table 2, "Belleavre Trail and Glade Inventory," presents the results of the inventory and mileage measurement for each trail as shown on the drawings noted above. The Table lists each trail by name, indicates if a ski lift and/or snowmaking allowance was applied to that particular trail and presents lengths of each trail by width; less than 30 feet wide, 30 feet to 120 feet wide and 120 feet to 200 feet wide. Table 2 also tabulates the glades at Belleayre trails that were approved in previous UMP's but are not yet constructed, trails proposed to be abandoned trails located within the Highmount Parcel and new trails proposed as part of the 2021 UMP Amendment. Key totals are summarized below:

- 1. The overall existing, approved, and proposed ski trail length on Intensive Use lands is calculated at 20.52 miles; 4.48 miles less than the 25-mile constitutional limit.
- 2. If 0.76 miles of glades and 2.23 miles of trails on the Highmount parcel are included, the total trail length is 23.51 miles, 1.49 miles less than the 25-mile limit.
- 3. Total existing constructed trail length 0-200 feet in width at Belleavre Mountain is 17.92 miles.
- 4. Total constructed trail length by width at Belleavre Mountain is as follows:

a)	Under 30 feet wide	0.34 miles
b)	30 feet to 120 feet wide	16.02 miles
c)	120 feet to 200 feet wide	1.56 miles

5. Total calculated length of trails on Intensive Use Lands approved but not yet constructed is 2.60 miles.

6. Total calculated length of existing or approved trails to be abandoned in the 2021 UMP Amendment is 1.69 miles.

- Total calculated length of trails proposed in the 2021 UMP Amendment is 1.69 miles. 1.63 miles of 30' wide Nordic trails are included in this number.
- 8. Total calculated length of Glades at Belleayre Mountain is 0.76 miles.
- 9. Total calculated length of approved trails on the Highmount Parcel is 2.23 miles.

\\ORISKANY\LA\_Cad\Proj-2015\201518\_Belleayre Projects\2015018-08\_2021 UMP\2015018-08Admin\05Reports\TrailAnalysis\Belleayre MtnTrail Analysis\_2021.docx

## Table 1

# Trail and Glade Mileage Summary

I

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Summary of Totals		(In Miloc)
Tatal Evicting Tubile on Intensive Lies (III) Lond-		17.02
I otal Existing Trails on Intensive Use (IU) Lands		17.92
Total Approved / Not Constructed Trails on IU Lands	+	2.60
Total Existing and Approved Trails on IU Lands		20.52
Total Ex. / Approved Trails to be Abandoned on IU Lands	(-)	1.69
Total Proposed Trails on IU Lands	+	1.69
Total Existing/Approved and Proposed Trails on IU Lands		20.52
Constitutional Trail Mileage Limit		25.00
Total Trail Mileage Remaining		4.48
Total Existing/Approved and Proposed Trails on IU Lands		20.52
Total Existing Glades	+	0.76
Total Ex./Approved, Proposed Trails & Glades on IU Lands		21.28
Approved Trails on Highmount Parcel	+	2.23
Total Ex./Approved, Proposed Trails & Glades Including		23.51
Highmount		

#### TABLE 2

# Belleayre Trail and Glade Inventory December, 2021 (amended Dec. 2022)

BEIEAYRE
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Trails

	Trail Name	Trail Length	Trail Length	Trail Length	Trail Length 120'-	Trails on Private Land	Trails on Private Land 30'-120'	Trails on Private Land 120'-200'	Width Allowance Eligible	Allowance Applied
	Algnquin Lower	1,574	000 11140	1,574	200 11140	0.50	50 120	110 100	Lingiture	(1/14)
	Algonquin Upper	1,266		1,266						
	Area 15	333		333						
	Area 51	1,812		286	1,526				S	Y
	Asnokan Bellavre Rup Lower	2,670		2,670	277				11	Y V
	Belleavre Run Unner	2,038		2,421	2//				11	Y
	Cathedral Brook Lower	3.216		3.216						
	Catherdal Brook Upper	3,311		3,311						
	Cayuga	2,726	1,356	1,370						
	Chinook	453		267	186					
	Dakota	858		858						
	Deer Run	6,620		6,620						
	Discovery way	2,761		2,761	1 318				s	v
	Dot Nebel Lipper	1 478		1,087	242				s	Y
	Eagle Falls	348		348	2.12					· · ·
	Easy In	347		347						
	Easy Out	355		355						
	Esopus	1,553		1,553						
	Expressway	1,336		1,336						ļ
	Goat Path	625		625						
		1,255		1,214	41					
	Howe's Highway	1,050	198	852	447				11	v
	Iroquois	3,027		2,910	117				- 1	т
	Kaatskill Katerpillar	2,015		2,470	339				12	N
	Lower Deer Run	2,537		2,537						
	Lower Roaring Brook	1,590		1,590						
	Mohawk Lower	501		501						
	Mohawk Upper	714		714						
	Mohican	3,157		2,607	550				L1	Y
	Oneida	716		716					L1	Ŷ
	Onondaga Ontoora Lower	1,670		1,670						
	Onteora Lloner	1,495		837						-
	Peekamoose Lower	1,625		1,516	109					
	Peekamoose Upper	1,323		1,323						
	Pepacton	1,664		1,664						
	Ridge Trail	330		330						
	Roaring Brook Upper	4,076	49	4,027						
	Running Bear	334		334					L2	N
	Seneca Lower	1,926		1,926					11	v
	Terrain Garden	752		1,044	643				LI	T
	The Canyon	1,323		105	1,128					
	Tomahawk Crossing	1,566		1,566						
	Tongora Lower	2,590		2,461	129					
	Tongora Upper	661		661						
	Transfer Line	588		588						
	Tuscarora	672		672						
	Utsayantha	944		944						
	Wanatuska Lower	2,455		2,090	365				L1	Y
	Winnisook Lower	2.115		1.898	3/8					<u> </u>
	Winnisook Upper	809		346	463			l		
	X-Course	582		420	162			l		
	Yahoo Lower	1,688		1,633	55				L1	Y
	Yahoo Upper	742		742					L1	Y
	Little Creek	125		125					L2	N
	Big T Glade	1,303	179	1,124						
		215		215						
	C2	126		126						
	C4	292		292						
	C5	126		126				İ		
	C6	292		292						
	C9	96		96						
	C10	132		132						
	C11	178		178						
	C12	114		114						
		0								
	1	0			1			İ		
Totals (LF)		94,633	1,782	84,606	. 8,245	0	0	. 0	•	
Totals (MILE	AGE)	17.92	0.34	16.02	1.56	0.00	0.00	0.00	-	

Appurtenant Width Allowances: 1. S=Snowmaking (10', maintenance and safety) 2. L1=Chairlift (60', Quad, Triple, or Gondola) 3. L2=Chairlift (40', Double chair, Surface lift) Limitations: 1. Up to 25 miles of trails 30'-200' wide 2. No more than 2 miles of trails 120'-200' wide 3. No trails over 200' wide - unless area is counted as two trails side by side



1

Glades	

Glade Name	Length (LF)	Trail Length 0-30' wide	Trail Length 30'-120' wide	Trail Length 120'- 200' wide	Trails on Private Land 0'-30'	Trails on Private Land 30'-120'	Trails on Private Land 120'-200'	
Belleayre Glades	1,294							
Chippewa Glades	264							
Dreamcatcher Glades	1,564							
Winnisook Glades	897							
Totals (LF)	4,019							
Totals (Mileage)	0.76							

#### Approved, Not Constructed

						Trails on	Trails on	Trails on		
	1	Trail Length	Trail Length	Trail Length	Trail Length 120'-	<b>Private Land</b>	Private Land	Private Land		
Trail I	Name	(LF)	0-30' wide	30'-120' wide	200' wide	0'-30'	30'-120'	120'-200'		
WEST	F-1	1,222								
WEST	r-2	2,209								
WEST	F-3	1,685								
WEST	Г-4	1,055								
WEST	r-5	2,393								
WEST	Г-6	2,266								
HMT-	-1	847								
HMT-	-1A	213								
HMT-	-9 A	1,812								
Totals	s (LF)	13,702	0	0	0	0	0	0	0	0
Total	s (MILEAGE)	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#### 2021 UMPA Proposed Trails

	Trail Length	Trail Length	Trail Length	Trail Length 120'-	Trails on Private Land	Trails on Private Land	Trails on Private Land	Width Allowance	Width Allowance Applied
Trail Name	(LF)	0-30' wide	30'-120' wide	200' wide	0'-30'	30'-120'	120'-200'	Eligible	(Y/N)
P1 (Learning Area)	293			293				L2	Ν
Nordic Trail	8,604	8,604							
 Totals (LF)	8,897	8,604	0	293	0	0	0		
Totals (MILEAGE)	1.69	1.63	0.00	0.06	0.00	0.00	0.00		

#### Existing/Approved Trails to be Abandoned in 2021 UMPA

Trail Name	Trail Length (LF)	Trail Length 0-30' wide	Trail Length 30'-120' wide	Trail Length 120'- 200' wide	Trails on Private Land 0'-30'	Trails on Private Land 30'-120'	Trails on Private Land 120'-200'	Width Allowance Eligible	Width Allowance Applied (Y/N)
Catherdal Brook Upper	3,311							L2	N
WEST-1	1,222								
WEST-2 (Lower Portion Only)	1,080								
WEST-3 (Lower Portion Only)	207								
WEST-5 (Lower Portion Only)	826								
WEST-6	2,266								
 Totals (LF)	8,912	0	0	0	0	0	0		
Totals (MILEAGE)	1.69	0.00	0.00	0.00	0.00	0.00	0.00		

#### Approved Trails on Highmount Parcel

Trail Name	Trail Length (LF)	Trail Length 0-30' wide	Trail Length 30'-120' wide	Trail Length 120'- 200' wide	Trails on Private Land 0'-30'	Trails on Private Land 30-120'	Trails on Private Land 120'-200'	Width Allowance Eligible	Width Allowance Applied (Y/N)
HMT-2	1,576					1,576			
HMT-3	2,009					2009			
HMT-4	1,027					600	427	L	Y
HMT-5	1,386					1,079	307	L	Y
HMT-6	725					550	175		
HMT-7	1,385					1,385			
HMT-8	2,868					2,711	157		
HMT-9 B	804					804			
Totals (LF)	11,780	0	0	0	0	9,138	1,066		
Totals (MILEAGE)	2.23	0.00	0.00	0.00	0.00	1.73	0.20		











Drawing Ti	tle		Date:	12/14/2022
Exist	ing, App	proved and	Project	No: 201518.08
Prop	osed Tra	ail and Glad	de	
Inve	ntory - L	Jpper Mou	ntain	
1	inch = 500	feet	Drawing	no:
0	500	1,000		5
	Feet		4	





# Exhibit 3.

Tree Counts



The LA																																									
Belleayre Mounta	in Ski Center 202	1 UMPA																																				1	,		
Tree Cutting Estim	ates (Rev. Marc	h 2023)																																					,		
																																							,		
	P1 Upper Lea	rning Center	P1 Upper Le	arning Center	P1 Upper Lea	arning Center	P2A Lift 7 (U	oper) P2A	Lift 7 (Upper	r) P2A Lift	7 (Upper)	P2B Lift 7	7 (Lower)	P2B Lift	7 (Lower)	P2B Lift	7 (Lower)	P3A Nordi	: Loop (north)	P3A Nordic Lo	oop (north)	P3A Nordic L	oop (north)	P3B Nordi	ic Loop (south)	P3B Nordic Lo	oop (south)	P3B Nordic Lo	op (south)	P4 Snowma	king Reservoir	P4 Snowmak	ing Reservoir	P4 Snowma	king Reservoir	P5 Utsay	antha/Goat Path	P5 Utsaya	intha/Goat Path	P5 Utsaya	ntha/Goat Path
Tree Species	Sample P	ot Count	Tree	s/Acre	Total	Trees	Sample Plot	Count	Trees/Acre	Total	l Trees	Sample P	lot Count	Tree	/Acre	Total	l Trees	Sample	Plot Count	Trees/	Acre	Total 1	rees	Sample	e Plot Count	Trees/	Acre	Total Tr	rees	Sample	Plot Count	Trees	/Acre	Tota	l Trees	0.6 Ac. S	ample Plot Count	. Tre	ees/Acre	Tota	al Trees*
	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3" 1-3	s" >3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"	1-3"	>3"
Striped Maple	3		44		26		4	1 58	3 15	47	12	25	14	363	203	106	859	20		290		548																	('		-
Yellow Birch	4	11	58	160	35	96	3	11 44	1 160	35	128																				1		15		9	1 11	. 8/	4 17	132	18	138
Black Cherry	6	11	87	160	52	96		3	44		35																			6	2	87	29	566	18	9			<u> </u>		
American Beech	13	9	189	131	113	78	4	3 58	3 44	47	35	7	8	102	116	30	491		19		276		521	10	13	145	189	419	545	6	2	87	29	566	18	13	. 3′	3 20	52	21	54
Sugar Maple		2		29		17	11	12 16	0 174	128	140		18		261		1105																				1		í – – – – – – – – – – – – – – – – – – –		
White Oak																			3		44		82		16		232		670	4	6	58	87	378	56	5	1	1 1	í –		
Hemlock																			3		44		82	4	14	58	203	168	586	5	8	73		472					· · · · · · · · · · · · · · · · · · ·		
Red Maple																			4		58		110		5		73		209	20	7	290	102	1888	66	L 14	5'	8 22	91	23	96
Green Ash																														3	7	44	102	283	66	L			['		
Paper Birch																																					1	.7	27		28
Black Birch																																					2'	.3	36		38
AREA SUBTOTAL	26	33	378	479	227	287	22	30 31	9 436	256	349	32	40	465	581	135	2456	20	29	290	421	548	795	14	48	203	697	586	2011	44	33	639	363	4153	2360	38	215	60	338	63	354
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TOTAL 1-3"	5967																																						,		
TOTAL >3"	8611																																						L'		
GRAND TOTAL	14579																																								