



# SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

Phone (717) 238-0423 • Fax (717) 238-2436

Web <http://www.srbc.net>

## Groundwater Withdrawal Application Summary

**Source Name:** MW-3

**SRBC Pending No.:** 2022-029

This summary is only a portion of the application materials and is meant to provide general information about the proposed project.

### 1.1 Project Sponsor

Company Name: Song Mountain Ski Resort

Mailing Address Line 1: P. O. Box 1001

Mailing Address Line 2:

City: Tully

State: NY

ZIP Code: 13159

### Contact Person:

First Name: Peter

Last Name: Harris

Title: President

Telephone: (315) 696-5711

Fax:

Mobile: (315) 783-1000

**E-mail:** peter@songmountain.com

### 1.3 Existing and Projected Facility Water Use

The usage should be entered in million gallons per day (mgd) and rounded off to the nearest one thousand gallons (three decimal places).

Projected Design Year:

2037

Total Project Water Usage	Existing Usage (mgd)	Projected Usage For Design Year (mgd):
Maximum 30-day Average Water Demand :	0.9	1.25
Maximum Daily Water Demand :	2.332	3.705
System Capacity :	2.88	3.705

### 1.4 Requested Withdrawal Amount:

Estimated Daily Hours of Operation per Day (Ex. = 5): 24

Maximum Instantaneous Withdrawal Rate (gpm): 999.9

Maximum 24-Hour Day (mgd): 1.439

Maximum 30-Day Average (mgd): 0.96

### 2.2 Facility Location

Please enter the address of the parcel where the Project Facility is located.

Street Address: 1 Song Mountain Rd

State: NY

County: Cortland

Municipality: Preble Town

Zip Code: 13159

Subbasin: Upper Susquehanna

## 2.1 Project Facility Description

South Slope Development Corporation is requesting a renewal of the SRBC Docket No. 20070901. A withdrawal of up to 0.999 million gallons per day (mgd) on a 30-day average from an unnamed tributary to Crooked Lake is requested, which is a change from the past docket where 3.705 mgd (peak day) was authorized. A withdrawal of 0.96 mgd on a 30-day average from Well MW-3 is requested and is identical to the past docket approved. The water will be used for snowmaking at a ski resort. Snowmaking season typically runs from mid-November to mid-February.

South Slope Development will utilize surface water withdrawal from the unnamed tributary and storage in its two onsite storage ponds, supplemented by groundwater withdrawals from Well MW-3, to meet its water supply needs. The lower pond (Pond 1), constructed in 1960, is an on-stream storage pond that has a reported holding capacity of 600,000 gallons. An upper pond (Pond 2), constructed in 2002, is an off-stream storage pond located upgradient from Pond 1 and has a holding capacity of 2 million gallons. Water used in snowmaking system can be withdrawn from either pond. Pond 1 is filled by the flow from the stream (unnamed tributary to Crooked Lake), withdrawals from Well MW-3, and from water stored in Pond 2. Pond 2 receives minimal runoff, with the majority of the water is pumped from Pond 1. Surface water withdrawals are metered as a function of total water pumped, minus metered Well MW-3 withdrawals.

Well MW-3 was drilled in 1998, is 12 inches diameter and 59 feet deep. The well intercepts highly permeable glacial outwash sand and gravels and is reportedly screened from 10 to 59 feet below ground surface.

The ski slopes that receive snowmaking naturally drain east into the valley or are captured by road-side ditches that also drain to the valley. All infiltration and runoff remains in the basin where the surface water withdrawal and groundwater withdrawals originate. No out-of-basin diversions exist. This was well documented in past withdrawal applications in 1999 and overall ski slope and snowmaking configuration has not changed significantly.