



## SUSQUEHANNA RIVER BASIN COMMISSION

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### Surface Water Withdrawal Application Un. Tributary to Crooked Lake & Consumptive Use Application Project Summary

**SRBC Pending No.:** 2022-028

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

#### **Project Sponsor**

**Company Name:** Song Mountain Ski Resort

**Address:** P. O. Box 1001

**State:** NY

**City:** Tully

**Zip Code:** 13159

**Contact Person:** Peter Harris

**Title:** President

**Telephone:** (315) 696-5711

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**Mobile:** (315) 783-1000

**Email:** [peter@songmountain.com](mailto:peter@songmountain.com)

#### **Requested Surface Water Withdrawal Quantity**

**Projected Design Year:** 2037

**Existing Withdrawal Quantity:** 3.705(mgd)

**Requested Withdrawal Quantity:** 0.999(mgd)

**Maximum Instantaneous Withdrawal Rate:** 2573(gpm)

**Estimated Daily Operation:** 24(hours/day)

#### **Requested Consumptive Use Quantity - Yes**

**Existing Consumptive Use:** 0.815(mgd)

**Requested Consumptive Use:** 0.249(mgd)

**Pre-Compact/Grandfathered CU:** 0.071

#### **Facility Location**

**Street Address:** 1 Song Mountain Rd

**State:** NY

**County:** Cortland

**Municipality:** Preble Town

**Zip Code:** 13141

### **Surface Water Withdrawal Source Information**

**Source Name:** Un. Tributary to Crooked Lake

**Source Type:** stream

**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.