

Indian Lake Borough Waterworks

PWSID # 4560025

Somerset County, PA

Source Water Protection Plan

Delineation of Source Water Protection Areas

Table of Contents

	Delineation of Groundwater Protection Areas.....	1
1.0	Description of Water Sources	1
2.0	Geology.....	2
3.0	Conceptual Flow Model.....	4
4.0	Numeric Model	6
5.0	Model Inputs	7
	5.1 Model Boundaries.....	7
	5.2 Geographic Data	7
	5.3 Field Data.....	8
	5.4 Groundwater Recharge	8
	5.5 Hydraulic Conductivity	9
6.0	Groundwater Withdrawal.....	10
7.0	Model Results	11
	7.1 Residual Analysis	11
	7.2 Volumetric Flow Budget	11
	7.3 Groundwater Flow Model.....	12
8.0	Source Water Protection Area Delineations	13
	8.1 Source Water Protection Zone I	13
	8.2 Source Water Protection Zone II	13
	8.3 Source Water Protection Zone III.....	14
9.0	References.....	15