

Tables

Table 1
Source Characteristics
Indian Lake Borough Waterworks
PWSID# 4560025
Somerset County, Pennsylvania
Source Water Protection Technical Assistance Program

Source ID#	Source Name	Well Depth	Diameter	Casing Depth	Open Hole	Yield	Permit Production
		(feet below grade)	(inches)	(feet below grade)	Interval (feet)	(gallons per minute)	(gallons per day)
4560025-001	Well #18B	153	6	70	83	200	288,000
4560025-003	Well #2	185	4	80	105	60	144,000
4560025-004	Well #99	337	8	102	235	200	288,000

Table 2
Modeled Aquifer Properties
Indian Lake Borough Waterworks
PWSID# 4560025
Somerset County, Pennsylvania
Source Water Protection Technical Assistance Program

Formation	Hydraulic Conductivity (ft/d)			Average Thickness (ft)	Transmissivity (ft²/d)		
	Median	Minimum	Maximum		Median	Minimum	Maximum
Glenshaw Formation (upper)	8.35	0.027	94.0	174	1,452	4.7	16,353
Glenshaw Formation (middle)	2.24	0.005	63.5	116	260	0.5	7,362
Glenshaw Formation (lower)	0.91	0.003	11.3	70	64	0.2	789
Allegheny Group (upper)	0.55	0.002	7.2	125	68	0.2	906
Allegheny Group (lower)	0.47	0.001	60.6	155	72	0.2	9,385
Pottsville Group	0.26	0.001	23.1	200	52	0.3	4,625

Table 3
Source Water Protection Areas
Indian Lake Borough Waterworks
PWSID# 4560025
Somerset County, Pennsylvania
Source Water Protection Technical Assistance Program

Source ID#	Source Name	Open Hole Interval	Aquifer Porosity	Withdrawal Rate	Zone I Radius	Zone II Area
		(Short or Long)	(High or Low)	(gallons per minute)	(feet)	(acres)
4560025-001	Well #18B	Short (<200')	High	200	210	351
4560025-003	Well #2	Short (<200')	High	60	130	170
4560025-004	Well #99	Long (>200')	High	200	125	695

**Observation Wells Residual Analysis
Indian Lake Borough Waterworks
PWSID# 4560025
Somerset County, Pennsylvania
Source Water Protection Technical Assistance Program**

Well ID#	Well Depth	Elevation	Observed Head	Confidence	Computed
	(ft below grade)	(ft amsl)*	(ft amsl)*	Interval (ft)	Head (ft amsl)*
1	153	2303	2285	18	2288
2	90	2303	2263	40	2270
3	185	2320	2292	28	2284
4	180	2474	2429	45	2444
5	132	2484	2434	50	2450
6	247	2231	2205	26	2213
8	197	2270	2205	65	2212
10	198	2490	2400	180	2410
11	35	2290	2261	58	2254
12	70	2290	2230	120	2244
13	100	2277	2195	164	2245
14	70	2290	2232	116	2245
15	72	2379	2344	70	2342
16	145	2526	2501	50	2498
17	100	2290	2255	70	2240
18	322	2385	2313	144	2356
19	150	2546	2491	110	2485
20	98	2457	2392	130	2422
21	140	2552	2495	114	2503
22	447	2359	2249	220	2249
23	57	2477	2446	62	2443
25	120	2477	2447	60	2421
26	122	2303	2263	80	2263
27	197	2320	2230	180	2274
28	53	2470	2467	6	2489
29	55	2418	2408	20	2413
30	55	2513	2507	12	2498
31	157	2431	2393	76	2396
32	77	2241	2223	36	2238
35	90	2303	2286	34	2298
37	90	2303	2286	34	2298
38	92	2313	2293	40	2296
39	87	2513	2482	62	2490
40	115	2320	2245	150	2324
41	135	2411	2336	150	2323

**Observation Wells Residual Analysis
 Indian Lake Borough Waterworks
 PWSID# 4560025
 Somerset County, Pennsylvania
 Source Water Protection Technical Assistance Program**

Well ID#	Well Depth	Elevation	Observed Head	Confidence	Computed
	(ft below grade)	(ft amsl)*	(ft amsl)*	Interval (ft)	Head (ft amsl)*
42	145	2425	2320	210	2404
44	85	2487	2425	124	2455
45	72	2543	2535	16	2507
46	92	2316	2296	10	2297
47	85	2405	2387	9	2345
48	90	2303	2286	9	2299
49	115	2326.115	2251	38	2239

*(ft amsl): feet above mean sea level, NAVD88