



Potomac River Basin: Summary of Assessments

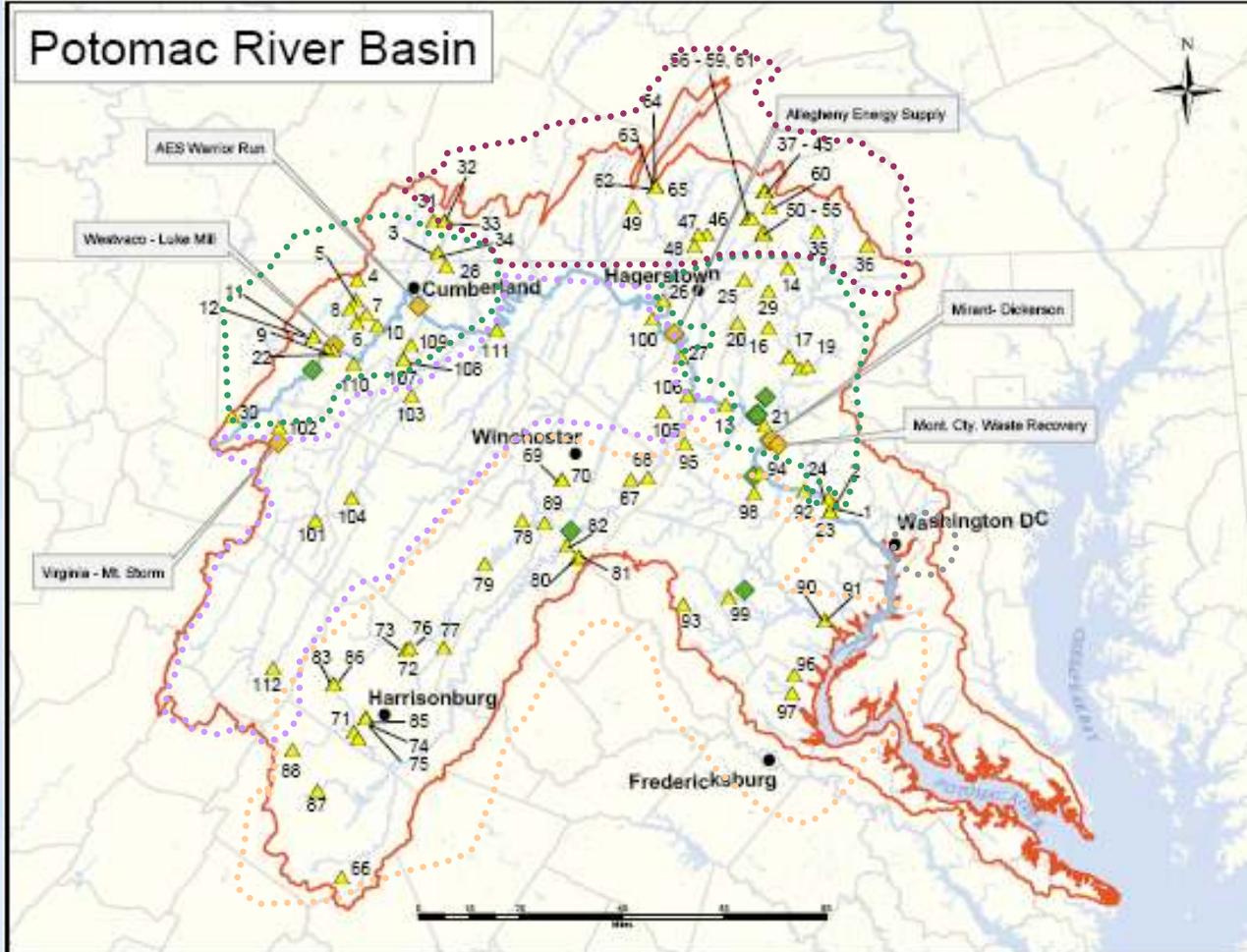
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US EPA Region 3

June 1, 2006. Rockville, Maryland.

Potomac River Basin



MD

PA

VA

WV

DC

Map Features

- Major Cities
- ◆ Existing Power Plants
- ◆ Proposed Power Plants *
- ▲ Surface Water Intakes
- ▭ Potomac River Basin
- ▭ County Boundary
- ▭ Potomac River
- ▭ Major Rivers
- ▭ Water

* This set of data consists of power plants in various periods and construction stages. Please check most of these plants to avoid have official status.

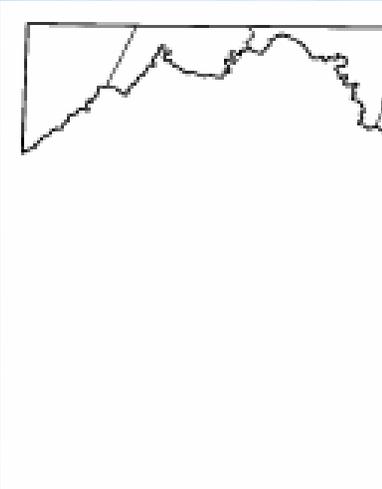
Surface Water Intakes - Listed by Public Water System and ID#

ID#	Public Water System	ID#	Public Water System	ID#	Public Water System
1	WASHINGTON SUBURBAN DIVISION	41	POTOMAC CHAMBERSBURG BORO WATER SYS	81	VIRGENIA FRONTIERVA, TOWN OF
2	WASHINGTON SUBURBAN DIVISION	42	POTOMAC CHAMBERSBURG BORO WATER SYS	82	VIRGENIA FRONTIERVA, TOWN OF
3	CUMBERLAND CITY OF CUMBERLAND	43	POTOMAC CHAMBERSBURG BORO WATER SYS	83	VIRGENIA HARTFORDVILLE CITY OF
4	MD-0000000000	44	POTOMAC CHAMBERSBURG BORO WATER SYS	84	VIRGENIA HARTFORDVILLE CITY OF
5	MD-0000000000	45	POTOMAC CHAMBERSBURG BORO WATER SYS	85	VIRGENIA HARTFORDVILLE CITY OF
6	MD-0000000000	46	POTOMAC CHAMBERSBURG BORO WATER SYS	86	VIRGENIA HARTFORDVILLE CITY OF
7	MD-0000000000	47	POTOMAC CHAMBERSBURG BORO WATER SYS	87	VIRGENIA HARTFORDVILLE CITY OF
8	MD-0000000000	48	POTOMAC CHAMBERSBURG BORO WATER SYS	88	VIRGENIA HARTFORDVILLE CITY OF
9	MD-0000000000	49	POTOMAC CHAMBERSBURG BORO WATER SYS	89	VIRGENIA HARTFORDVILLE CITY OF
10	MD-0000000000	50	POTOMAC CHAMBERSBURG BORO WATER SYS	90	VIRGENIA HARTFORDVILLE CITY OF
11	MD-0000000000	51	POTOMAC CHAMBERSBURG BORO WATER SYS	91	VIRGENIA HARTFORDVILLE CITY OF
12	MD-0000000000	52	POTOMAC CHAMBERSBURG BORO WATER SYS	92	VIRGENIA HARTFORDVILLE CITY OF
13	MD-0000000000	53	POTOMAC CHAMBERSBURG BORO WATER SYS	93	VIRGENIA HARTFORDVILLE CITY OF
14	MD-0000000000	54	POTOMAC CHAMBERSBURG BORO WATER SYS	94	VIRGENIA HARTFORDVILLE CITY OF
15	MD-0000000000	55	POTOMAC CHAMBERSBURG BORO WATER SYS	95	VIRGENIA HARTFORDVILLE CITY OF
16	MD-0000000000	56	POTOMAC CHAMBERSBURG BORO WATER SYS	96	VIRGENIA HARTFORDVILLE CITY OF
17	MD-0000000000	57	POTOMAC CHAMBERSBURG BORO WATER SYS	97	VIRGENIA HARTFORDVILLE CITY OF
18	MD-0000000000	58	POTOMAC CHAMBERSBURG BORO WATER SYS	98	VIRGENIA HARTFORDVILLE CITY OF
19	MD-0000000000	59	POTOMAC CHAMBERSBURG BORO WATER SYS	99	VIRGENIA HARTFORDVILLE CITY OF
20	MD-0000000000	60	POTOMAC CHAMBERSBURG BORO WATER SYS	100	VIRGENIA HARTFORDVILLE CITY OF
21	MD-0000000000	61	POTOMAC CHAMBERSBURG BORO WATER SYS	101	VIRGENIA HARTFORDVILLE CITY OF
22	MD-0000000000	62	POTOMAC CHAMBERSBURG BORO WATER SYS	102	VIRGENIA HARTFORDVILLE CITY OF
23	MD-0000000000	63	POTOMAC CHAMBERSBURG BORO WATER SYS	103	VIRGENIA HARTFORDVILLE CITY OF
24	MD-0000000000	64	POTOMAC CHAMBERSBURG BORO WATER SYS	104	VIRGENIA HARTFORDVILLE CITY OF
25	MD-0000000000	65	POTOMAC CHAMBERSBURG BORO WATER SYS	105	VIRGENIA HARTFORDVILLE CITY OF
26	MD-0000000000	66	POTOMAC CHAMBERSBURG BORO WATER SYS	106	VIRGENIA HARTFORDVILLE CITY OF
27	MD-0000000000	67	POTOMAC CHAMBERSBURG BORO WATER SYS	107	VIRGENIA HARTFORDVILLE CITY OF
28	MD-0000000000	68	POTOMAC CHAMBERSBURG BORO WATER SYS	108	VIRGENIA HARTFORDVILLE CITY OF
29	MD-0000000000	69	POTOMAC CHAMBERSBURG BORO WATER SYS	109	VIRGENIA HARTFORDVILLE CITY OF
30	MD-0000000000	70	POTOMAC CHAMBERSBURG BORO WATER SYS	110	VIRGENIA HARTFORDVILLE CITY OF
31	MD-0000000000	71	POTOMAC CHAMBERSBURG BORO WATER SYS	111	VIRGENIA HARTFORDVILLE CITY OF
32	MD-0000000000	72	POTOMAC CHAMBERSBURG BORO WATER SYS	112	VIRGENIA HARTFORDVILLE CITY OF
33	MD-0000000000	73	POTOMAC CHAMBERSBURG BORO WATER SYS	113	VIRGENIA HARTFORDVILLE CITY OF
34	MD-0000000000	74	POTOMAC CHAMBERSBURG BORO WATER SYS	114	VIRGENIA HARTFORDVILLE CITY OF
35	MD-0000000000	75	POTOMAC CHAMBERSBURG BORO WATER SYS	115	VIRGENIA HARTFORDVILLE CITY OF
36	MD-0000000000	76	POTOMAC CHAMBERSBURG BORO WATER SYS	116	VIRGENIA HARTFORDVILLE CITY OF
37	MD-0000000000	77	POTOMAC CHAMBERSBURG BORO WATER SYS	117	VIRGENIA HARTFORDVILLE CITY OF
38	MD-0000000000	78	POTOMAC CHAMBERSBURG BORO WATER SYS	118	VIRGENIA HARTFORDVILLE CITY OF
39	MD-0000000000	79	POTOMAC CHAMBERSBURG BORO WATER SYS	119	VIRGENIA HARTFORDVILLE CITY OF
40	MD-0000000000	80	POTOMAC CHAMBERSBURG BORO WATER SYS	120	VIRGENIA HARTFORDVILLE CITY OF



Maryland

EPA ID	Map Id	Name of System	Population	Type	Name of Source	Brief Description	PSC	Susc.	BMP
MD0100020	20	Town of Myersville	1,516	1 SW	Little Cactoning Creek	Creek: 18% of the total supply	A	H	Form local planning team Public awareness and outreach Land acquisition / easements Pollutant source inventory updates Changes in use Monitoring



Source: www.answers.com/topic/myersville-maryland 2006

Source: Town of Myersville, MDE 2002

**Small Coffey Dam on
Little Catoclin Creek – Intake**



Myersville Springs - A Spring Box



Source: Town of Myersville, MDE 2002



A. SURFACE WATER SUPPLY SOURCE

Approximately eighteen percent (18%) of the potable water supplied to the Town of Myersville is appropriated from Little Catocctin Creek. A low head concrete dam is located in the Little Catocctin Creek approximately 1.5 miles north of the Town's water treatment plant along Easterday Road. This dam was constructed for the purpose of supplying raw water for the Town of Myersville.

Little Catocctin Creek watershed lies in the upper Catocctin Creek drainage basin, between Middle Creek and South Mountain. Soils in the watershed

1

Type	Name of Source	Brief Description
1 SW	Little Cactoning Creek	Creek: 18% of the total supply
9 GW	9 wells	5-25 gpm from wells
7 GW	7 springs	75-100 gpm from springs

Reported yields for the Town wells ranges from 5 to 25 gallons per minute (gpm). Orton and Hilleary (1985) estimated discharge for the springs at 75-100 gpm. However, estimates of the spring's sustained yield in the water appropriation permit are significantly lower. The Town's water use is summarized in Table 3 based on the most recent annual pumpage reports for each of the ground water appropriation permits.

(6)

Year 2000: Some had sanitary deficiencies: Ashley 2, 3 and Deer Woods (free from Coliform bacteria, but susceptible to microbiological contaminants)

PSC	9
A	H
A, RH	M

Groundwater: Nitrate and radionuclides (Radon 222), organic and inorganic compounds were found below 50% MCL proportions. Animal waste is a potential source of bacteria and viruses to the sanitary deficiencies in the wells

Surface water: Considerable turbidity, and coliforms. Turbidity may increase due to Housing and agricultural plans, and storm water

Radionuclides

Radon 222 and Gross Beta were detected in the surface water with levels significantly lower than 50% MCL, therefore the surface source is not a source of radionuclides.

travels quickly, with

in the surface water supply (100%), and has been greater than 50% of the MCL.

ter plant, but all results (2-Ethylhexyl) plastics, and is prevalence in this and quantities laboratory

system draw and springs in due to any activity on





Gracias por su atencion

