

1.0 SETTING OF THE WATERSHED – PEOPLE, PLACES AND THINGS

1.1 Watershed Management Area and Sub-Watershed

As described on the New Jersey Department of Environmental Protection Division of Watershed Management website (<http://www.state.nj.us/dep/watershedmgt/index.html>), a watershed is “the area of land that drains into a body of water such as a river, lake, stream or bay. It is separated from other systems by high points in the area such as hills or slopes. It includes not only the waterway itself but also the entire land area that drains to it. For example, the watershed of a lake would include not only the streams entering the lake but also the land area that drains into those streams and eventually the lake. Drainage basins generally refer to large watersheds that encompass the watersheds of many smaller river and streams.”

The New Jersey Northeast Watershed Region is comprised of Watershed Management Areas 3, 4, 5 and 6. Of these, WMAs 3, 4 and 6 comprise the Passaic Watershed. The watersheds in WMA 4 cover approximately 196 square miles in New Jersey and New York.

The New Jersey portion of WMA 4 is approximately 188 square miles in size, including 65 municipalities in Bergen, Essex, Passaic, Hudson and Morris Counties. WMA 4 also includes 8 square miles in New York State. WMA 4 includes the lower Passaic River (from the Pompton River confluence downstream to the Newark Bay) and its tributaries, including the Saddle River. Table 1.1.2 lists the New Jersey municipalities within WMA 4. Plate 1.1.1 shows the location of WMA 4.

Two watersheds comprise WMA 4: the Lower Passaic River Watershed and Saddle River River Watershed. Plate 1.1.2 shows the subwatersheds of WMA 4. The Lower Passaic River Watershed originates from the confluence of the Pompton River downstream to the Newark Bay. This 33-mile section meanders through Bergen, Hudson, Passaic, and Essex Counties and includes a number of falls, culminating with the Great Falls at Paterson. Land in the Lower Passaic River watershed is extensively developed and contains many older cities and industrial centers including Newark, Paterson, Clifton, and East Orange. This watershed has a drainage area of approximately 137 square miles. The major tributaries to this section of the Passaic River are the Saddle River, Preakness Brook, Second River, and Third River. The Saddle River is one of the larger tributaries to the Lower Passaic River. The Saddle River Watershed has a drainage area of approximately 59 square miles.

Table 1.1.1 Major Watersheds of WMA4

	Area in NJ - Sq. Mi.	Area in NY - Sq.Mi.	Total
Lower Passaic River:			
Saddle River to Pompton R.	83	-	83
Saddle River to Newark Bay	54	-	54
Saddle River	51	8	59
Total	188	8	196

**Table 1.1.2
New Jersey Municipalities within WMA 4**

COUNTY	MUNICIPALITY	In WMA 4		COUNTY	MUNICIPALITY	In WMA 4	
		Sq Mi	%			Sq Mi	%
Bergen	Allendale Boro	3.1	100.0	Essex	Bloomfield Town	5.4	100.0
Bergen	Carlstadt Boro	0.3	7.0	Essex	Caldwell Boro	0.2	16.8
Bergen	E. Rutherford Boro	0.4	10.1	Essex	Cedar Grove Twp	4.3	99.0
Bergen	Elmwood Park	2.8	100.0	Essex	East Orange City	2.6	67.4
Bergen	Fair Lawn Boro	5.2	100.0	Essex	Essex Fells	0.03	2.3
Bergen	Franklin Lakes	3.8	38.8	Essex	Fairfield Boro	3.0	29.3
Bergen	Garfield City	2.2	100.0	Essex	Glen Ridge Boro	1.3	100.0
Bergen	Glen Rock Boro	2.7	100.0	Essex	Montclair Town	6.3	100.0
Bergen	Hackensack City	0.1	1.3	Essex	Newark City	9.1	35.1
Bergen	Hasbrouck Heights	0.7	49.8	Essex	N. Caldwell Boro	2.5	82.8
Bergen	Hillsdale Boro	0.1	2.1	Essex	Nutley Town	3.4	100.0
Bergen	Hohokus Boro	1.7	100.0	Essex	Orange City	1.3	57.8
Bergen	Lodi Boro	2.2	96.8	Essex	South Orange	0.05	1.72
Bergen	Lyndhurst Twp	1.4	27.9	Essex	Verona Boro	2.7	96.2
Bergen	Mahwah Twp	3.8	14.3	Essex	W. Caldwell Boro	2.3	45.0
Bergen	Maywood Boro	0.6	45.0	Essex	W. Orange Town	3.3	26.9
Bergen	Midland Park Boro	1.6	100.0	Hudson	East Newark Boro	0.1	100.0
Bergen	Montvale Boro	0.5	11.9	Hudson	Harrison Town	1.3	100.0
Bergen	N. Arlington Boro	0.8	30.6	Hudson	Kearny Town	5.6	55.5
Bergen	Paramus Boro	6.7	64.1	Morris	Lincoln Park	0.002	0
Bergen	Ramsey Boro	3.4	60.1	Passaic	Clifton City	11.4	100.0
Bergen	Ridgewood Village	5.8	100.0	Passaic	Haledon Boro	1.2	100.0
Bergen	Rochelle Park Twp	1.0	100.0	Passaic	Hawthorne Boro	3.4	100.0
Bergen	Rutherford Boro	1.1	38.1	Passaic	Little Falls Twp	2.8	100.0
Bergen	Saddle Brook Twp	2.7	100.0	Passaic	N.Haledon Boro	3.5	99.9
Bergen	Saddle River Boro	4.9	98.8	Passaic	Passaic City	3.2	100.0
Bergen	S. Hackensack	0.1	9.8	Passaic	Paterson City	8.7	100.0
Bergen	Upper Saddle River	5.2	100.0	Passaic	Prospect Park Boro	0.5	100.0
Bergen	Waldwick Boro	2.1	100.0	Passaic	Totowa Boro	4.1	100.0
Bergen	Wallington Boro	1.1	100.0	Passaic	Wayne Twp	12.2	48.7
Bergen	Washington Twp	0.2	6.7	Passaic	W.Paterson Boro	3.1	100.0
Bergen	Woodcliff Lake Boro	0.5	12.7				
Bergen	Wood-Ridge Boro	0.7	65.7		Total	188.4	
Bergen	Wyckoff Twp	6.6	100.0				
Essex	Belleville Town	3.4	100.0				