

Permit Section

S5.C.1.d.ii

Permit Section Language

Receiving Water Prioritization. Informed by the assessment of receiving water conditions in (i), above, and other local and regional information, Permittees shall develop and implement a prioritization method and process to determine which receiving waters will receive the most benefit from implementation of stormwater facility retrofits, tailored implementation of SWMP actions, and other land/development management actions (different than the existing new and redevelopment requirements). The retrofits and actions shall be designed to: 1) conserve, protect, or restore receiving waters through stormwater and land management strategies that act as water quality management tools, 2) reduce pollutant loading, and 3) address hydrologic impacts from existing development as well as planned for and expected future buildout conditions. No later than June 30, 2022, document the prioritized and ranked list of receiving waters.

(a) The Permittee shall document the priority ranking process used to identify high priority receiving waters. The Permittee may reference existing local watershed management plan(s) as source(s) of information or rationale for the prioritization.

(b) The ranking process shall include the identification of high priority catchment area(s) for focus of the Stormwater Management Action Plan (SMAP) in (iii), below.

Response

Table 1 provides the list of receiving water basins identified under section S5.C.1.d.i of the Permit and identifies ranked high priority receiving water catchment areas (basins) as outlined in S5.C.1.d.ii. Figure 1 accompanies Table 1 and shows delineated basins throughout the city. Numeric basin IDs correspond with Colum 1 (map reference) of Table 1.

The City of Kenmore is a relatively small jurisdiction (approximately 6 square miles) situated at the north tip of Lake Washington. The Sammamish River bisects the city from east to west and flows into Lake Washington. All stormwater runoff in the city flows to these two flow-control exempt receiving waterbodies with approximately 60% going to Sammamish River and 40% going to Lake Washington.

Due to the size of the city compared to the much larger size of these two waterbodies it did not make sense to evaluate them for development of a Stormwater Management Action Plan (SMAP). The city delineated smaller basins and catchments discharging to these two receiving waterbodies and ended up with 17 basins ranging in total basin area from 0.1 to 26.88 square miles. Of these, four basins were included in the prioritization process.

Tributary 0057 (Figure 2) is completely contained within the city and is approximately a half square mile in area. The basin was evaluated by the city in 2010 (Tributary 0057 sediment study, 2010). Based on

factors such as the city’s ability to regulate the entire basin, its manageable size, numerous past surface water issues and complaints, and being moderately impacted by stormwater, it is a logical selection to focus on for a SMAP.

Tributary 0222 (Figure 3) is 96% contained within the city and is approximately a half square mile in area. The basin has not been formally studied by the city in the past. Based on factors such as the city’s ability to regulate almost the entire basin, its manageable size, numerous past surface water issues and complaints, and being moderately impacted by stormwater, it is also a logical selection to focus on for a SMAP.

Tributary 0056 (Figure 4) is 58% contained within the city and is approximately one square mile in area. The basin has had multiple evaluations conducted in the past primarily focused on sedimentation analysis in the 2000s. Based on factors such as its manageable size, numerous past surface water issues and complaints, and being moderately impacted by stormwater, it is also a logical selection to focus on for a SMAP. However, 42% of the basin is outside the city’s regulatory control which slightly decreases its ranking potential compared to other basins in the city.

Swamp Creek (Figure 5) is 7% contained within the city and is approximately 27 square miles in area. The basin has had multiple evaluations conducted in the past focused on a range of topics from the 1990s through 2010s. Unlike the other ranked basins, most of Swamp Creek is outside of the city and although stormwater impacts overall are significant in this basin, the city’s contribution is a small fraction and the city’s ability to address many of the issues in Swamp Creek are limited and outside the city’s control. That being said, Swamp Creek is the city’s largest basin (almost a third of the city) and should be considered to focus on for a SMAP. In particular, smaller tributaries to Swamp Creek, such as Muck Creek, Blueberry Creek and Little Swamp Creek could be evaluated as sub-basins.

Table 1: Summary of receiving waters and associated basins located in Kenmore, WA

Map Reference	Receiving Water	Basin Name	Overall Size (sq. mi)	Size within City of Shoreline (sq. mi)	% within Kenmore's jurisdiction	Stormwater Management Influence	Include in prioritization process (S5.C.1.d.i.a)	Ranked Receiving Waters (S5.C.1.d.ii)
1	Sammamish River	Shoreline	0.83	0.83	100%	Moderate	No	
2	Sammamish River	Swamp Creek	26.88	1.91	7%	Moderate	Yes	4
3	Sammamish River	Tributary 0057	0.52	0.52	100%	Moderate	Yes	1
4	Sammamish River	Unnamed Tributary 01	0.1	0.1	100%	Low	No	
5	Sammamish River	Unnamed Tributary 02	0.17	0.17	100%	Moderate	No	
6	Sammamish River	Unnamed Tributary 03	0.06	0.06	100%	Low	No	
7	Sammamish River	Unnamed Tributary 04	0.045	0.021	46%	Low	No	
8	Sammamish River	Valhalla Creek	0.11	0.05	41%	Low	No	
9	Sammamish River	Waynita Creek	0.79	0.01	1%	Low	No	
10	Lake Washington	Shoreline	0.47	0.47	100%	Moderate	No	
11	Lake Washington	Tributary 0056	1.09	0.63	58%	Moderate	Yes	3
12	Lake Washington	Arrowhead Creek	0.4	0.4	100%	Low	No	
13	Lake Washington	Juanita Creek	6.82	0.18	3%	Low	No	
14	Lake Washington	Tributary 0222	0.56	0.54	96%	Moderate	Yes	2
15	Lake Washington	Tributary 0226	0.13	0.13	100%	Low	No	
16	Lake Washington	Tributary 0227	0.25	0.07	28%	Low	No	
17	Lake Washington	Denny Creek	1.33	0.07	5%	Low	No	

Figure 1: Delineated basins in the City of Kenmore. The numeric map reference ID refers to the first Column in Table 1.

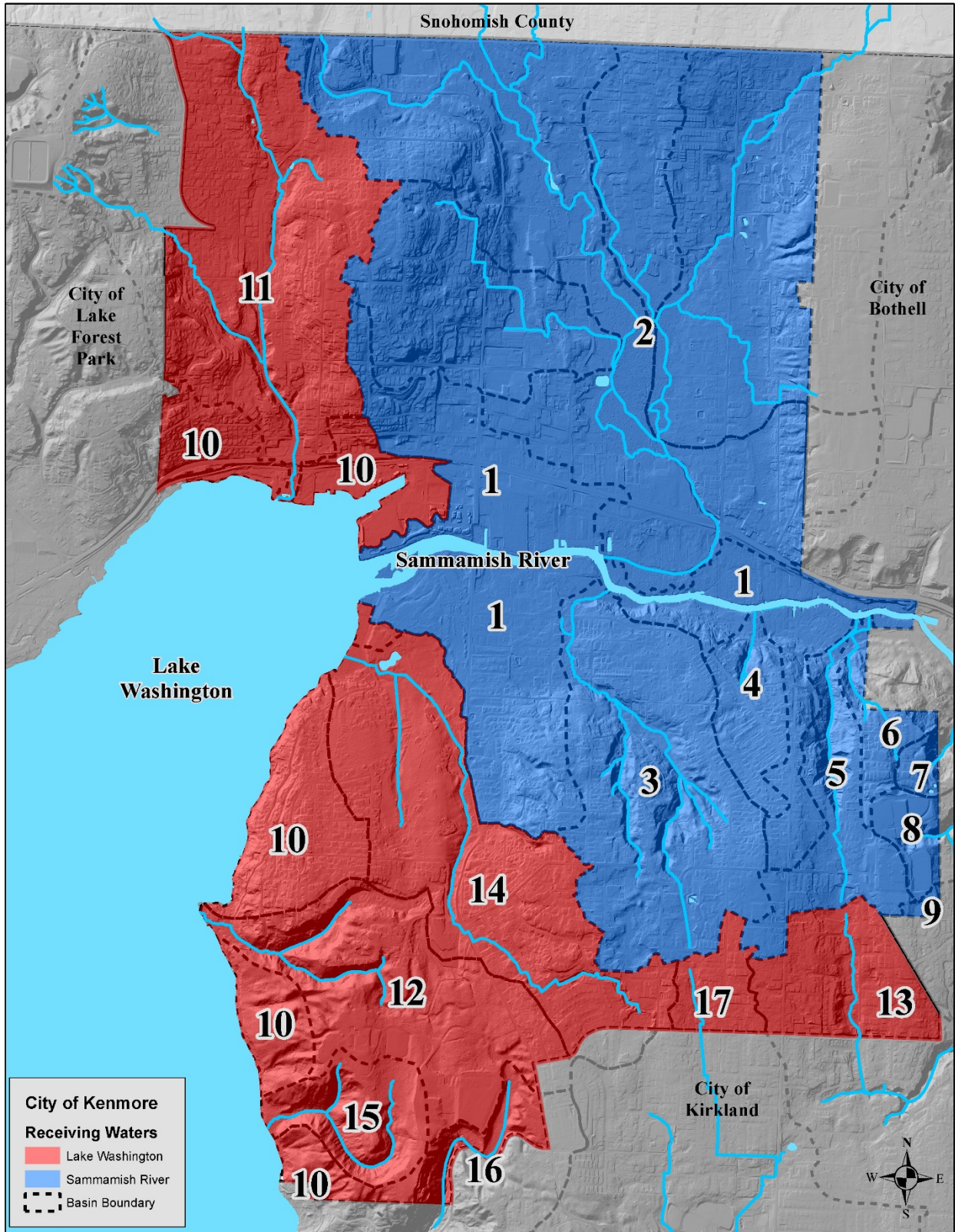


Figure 2: Tributary 0057 Basin

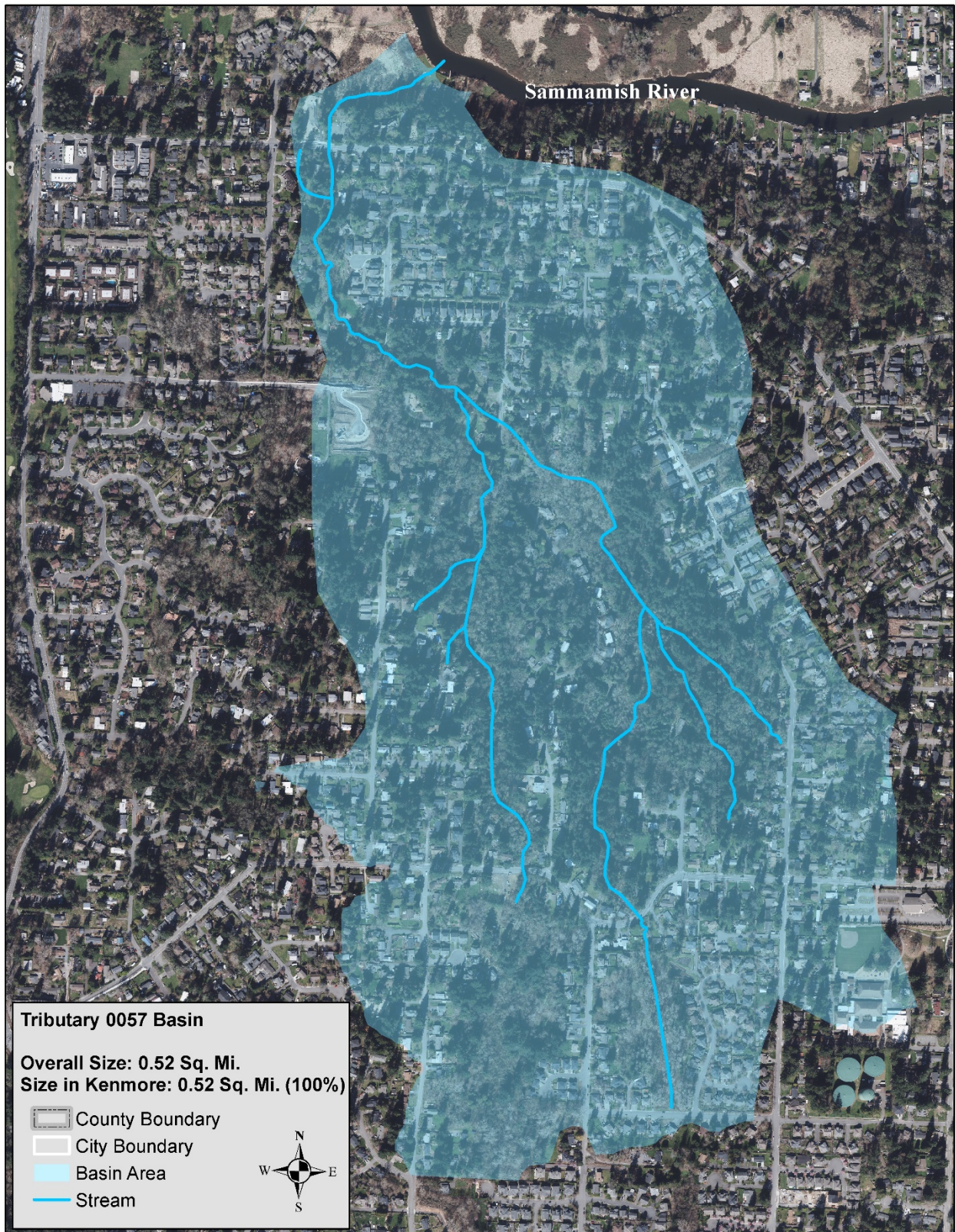


Figure 3: Tributary 0222 Basin

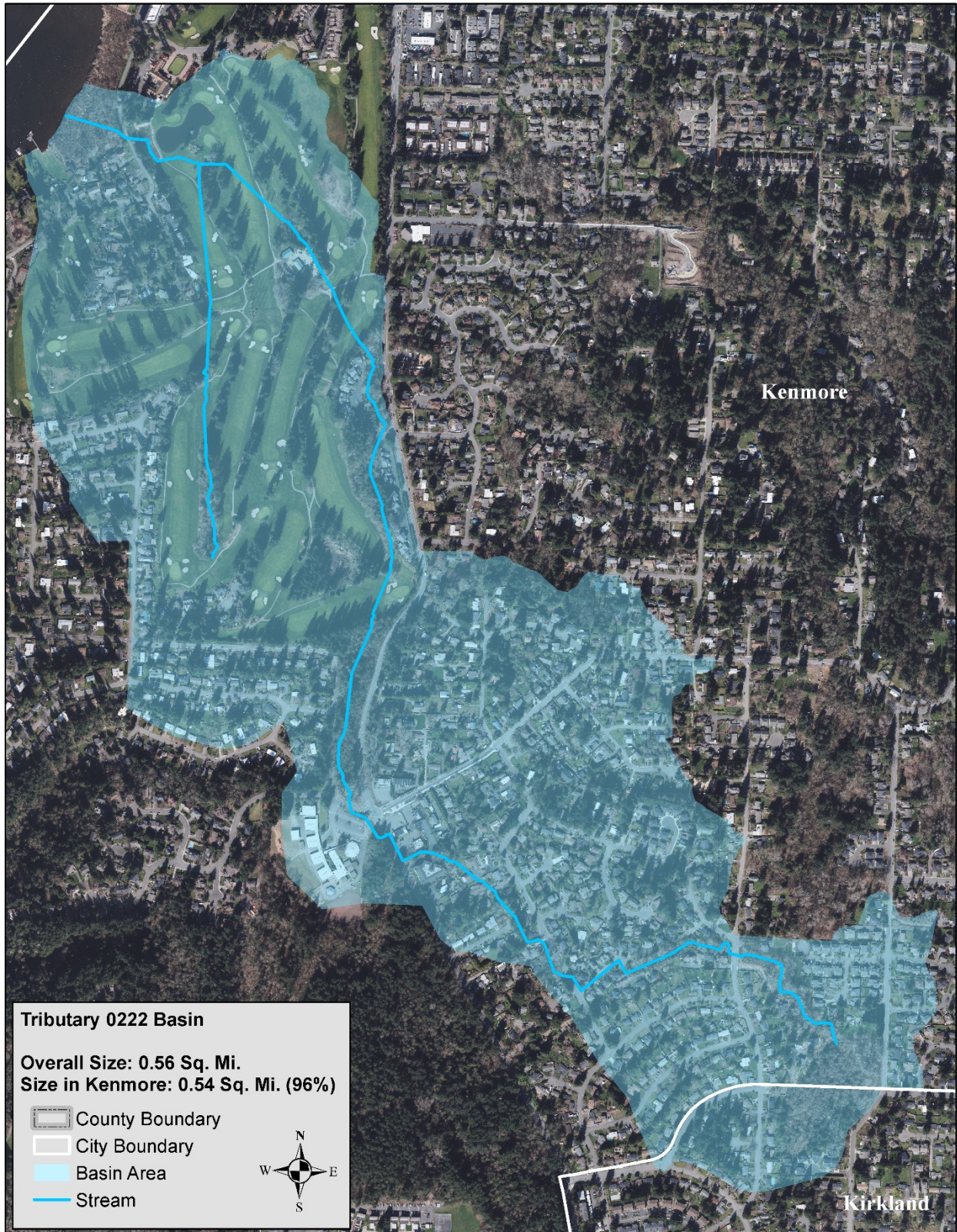


Figure 4: Tributary 0056 Basin

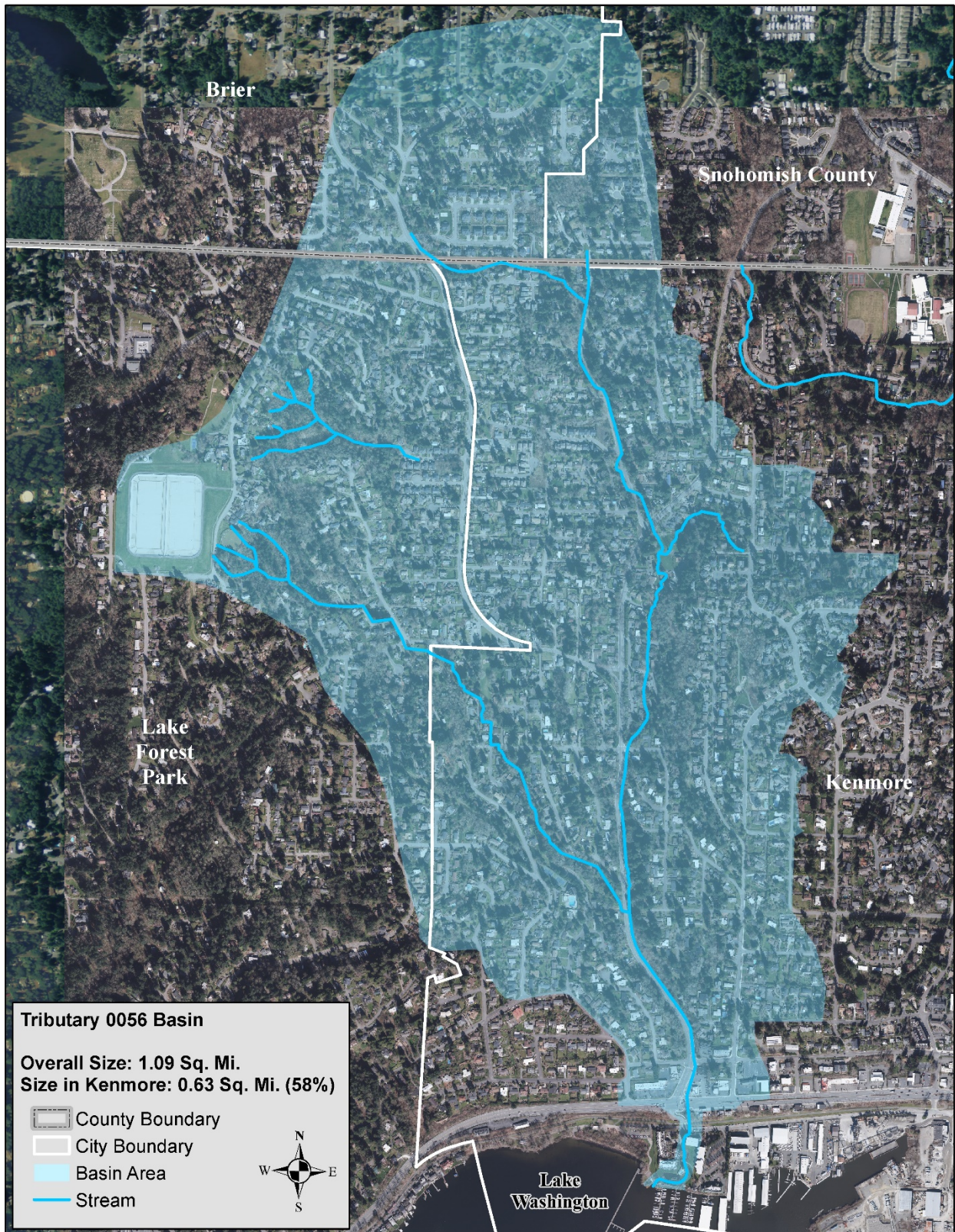


Figure 5: Swamp Creek Basin

