

Vasa Creek Basin

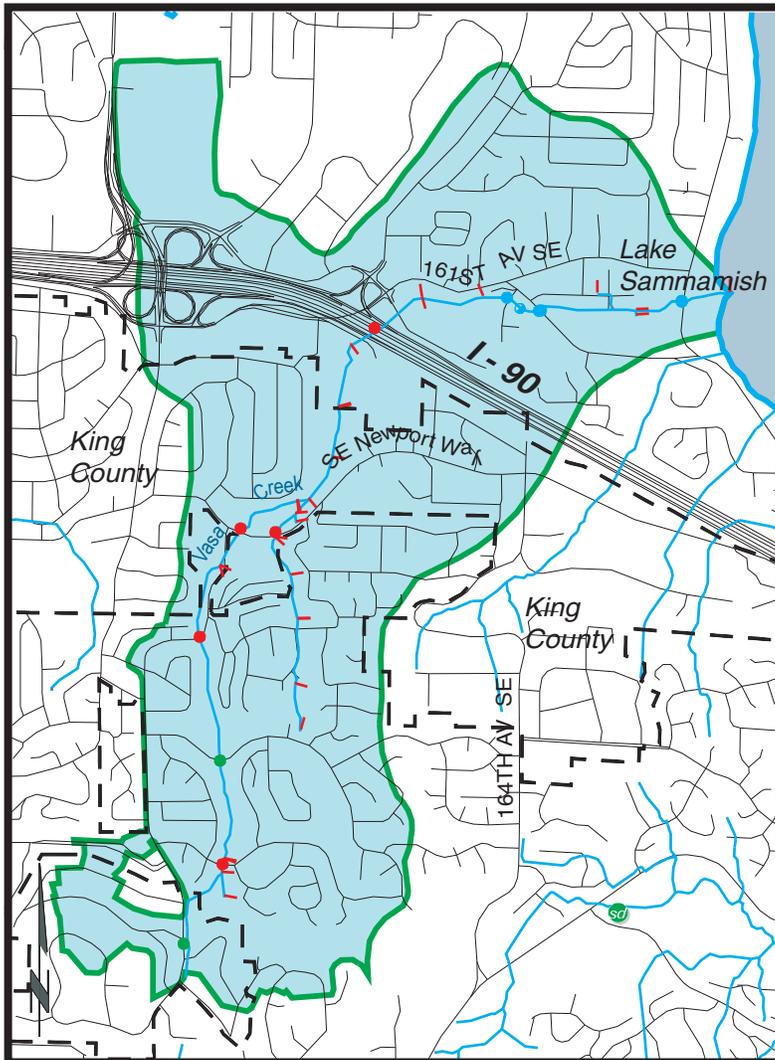
Lake Sammamish Watershed

City Basin Population (2000): 3,810

Basin Areas: 1,104	Total Acres
City	860 Acres
King County	244 Acres
Drainage Jurisdictions: Bellevue, DOT (I-90)	
% Impervious	40%
Basin Relief	795 ft
Basin Energy	0.7
Basin Length	2.4 mi
Average Basin Width	0.7 mi

Land Use Within the City Area	
Single family residential	41%
Multi-family residential	5%
Commercial/Office	5%
Industrial	2%
Institutional/Government	6%
Open Space/Park	4%
Mixed use/Misc.	0%
Public streets	37%

Total Length of Open Channel 14,384 ft



Fish Use: According to Washington Department of Fish and Wildlife information (Downen 2000), the reaches of Vasa Creek (08-0156) nearest to Lake Sammamish contain cutthroat trout and late run kokanee, as well as coho and sockeye salmon. The first small tributary is entirely within the influence of the main channel and presumed to have similar fish use. The other small tributary flows through a restored corridor along 167th Avenue SE. Numerous juvenile cutthroat trout were visible in the downstream pools in the summer of 2001. However, several installed weirs with 18-inch plunges possibly hinder upstream migration. The survey effort did not discover any fish in the upper portion of this tributary, located in a ditch parallel to SE 35th Street.

The reach, located above an impassible fish barrier at I-90, consists of a sedimentation pond and a gravel-filled channel that lacks perennial surface flow. Surface flow was observed both upstream and downstream of this segment and thus, flow must go sub-surface through a thick gravelly substrate during summer months. Although no fish were present in the sedimentation pond, the possibility of a resident population in Eastgate, outside of City limits, cannot be ruled out without field verification.

SCALE 1" = 2400'