

King County DNRP Water Quality Index

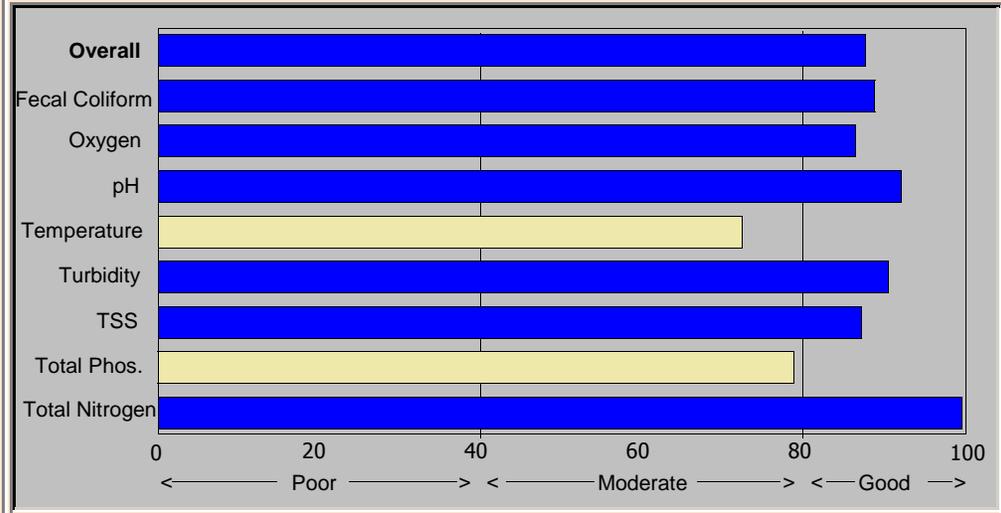
STATION **309** WATER YEAR **2008**

GAUGE # 13B Duwamish River at E Marginal Way Overall Index **88**

King County has monitored water quality in the Green-Duwamish River at five locations. Station 0309 is located in the Duwamish River at the bridge on East Marginal Way in Allentown. Sampling occurred from 1970 – 2008 when budget cutbacks reduced the breadth of King County’s water quality monitoring program. The Green-Duwamish runs 93 miles from the crest of the Cascade Mountains to Elliot Bay. Major alterations to the river system have occurred in the last century including the diversion of the White, Black, and Cedar Rivers to alternate discharge points. Anadromous salmonids have been blocked from the upper Green River though the lower river supports coho, Chinook, chum, sockeye, and pink salmon. Land use varies considerably throughout the length of the Green-Duwamish River watershed; land in the Upper Green River is almost entirely used for forest production while development intensity generally increases further downstream.

Annual Water Quality Index Scores

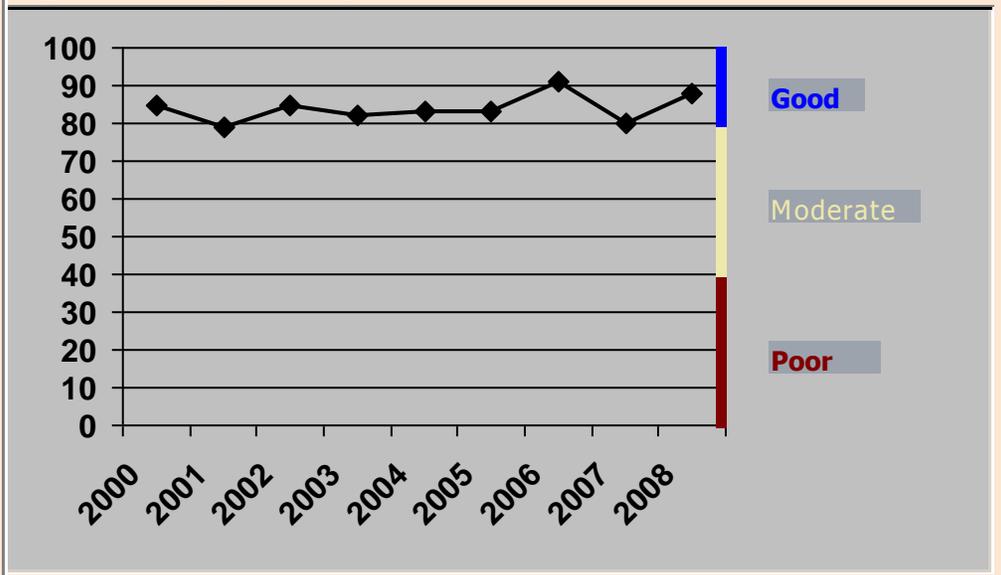
Water quality was GOOD based on data collected 10/1/2007 to 9/30/2008.



Monthly Scores For Water Year 2008

Month	Score
Oct	97
Nov	96
Dec	91
Jan	90
Feb	95
Mar	97
Apr	97
May	96
Jun	92
Jul	96
Aug	84
Sep	95

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington’s Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>