

# King County DNRP Water Quality Index

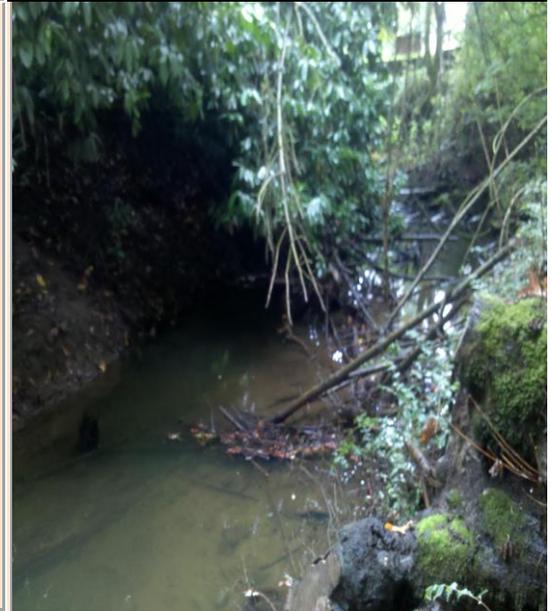
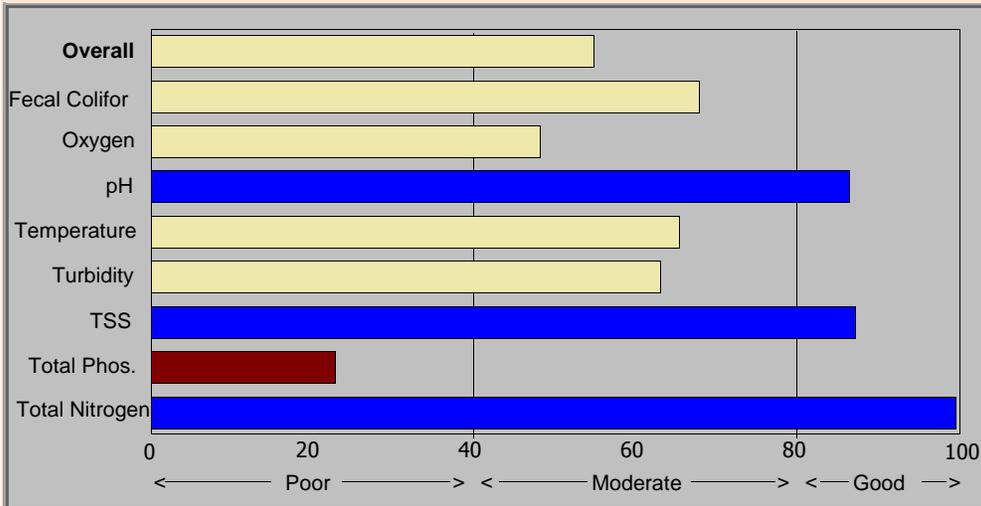
STATION **A315** WATER YEAR **2014**

**GAUGE # 41a Mill Creek at SR 181** Overall Index **55**

King County monitors water quality in Mill Creek at station A315, which is located at the bridge at 68th Ave and South 261st Street. Monitoring at this site began in 1979 and continued until 2008 when budget cutbacks forced King County to reduce its water quality monitoring program. Regular monitoring resumed in February 2013. The Mill Creek basin encompasses 14,000 acres, which includes portions of Kent, Auburn, Algona, and Federal Way. Land use in the Mill Creek watershed consists of forested and residential land in the upper basin, and residential and agricultural in the lower basin. Mill Creek originates from Lake Doloff and Lake Geneva and flows 8.35 miles before entering the Green River. The creek is on Ecology's 2012 303(d) list for violation of temperature, dissolved oxygen, fecal coliform bacteria, and copper standards. Coho, chum and winter steelhead have been observed spawning in Mill Creek, and juvenile coho, chum, winter steelhead, cutthroat and chinook have been observed in the creek.

## Annual Water Quality Index Scores

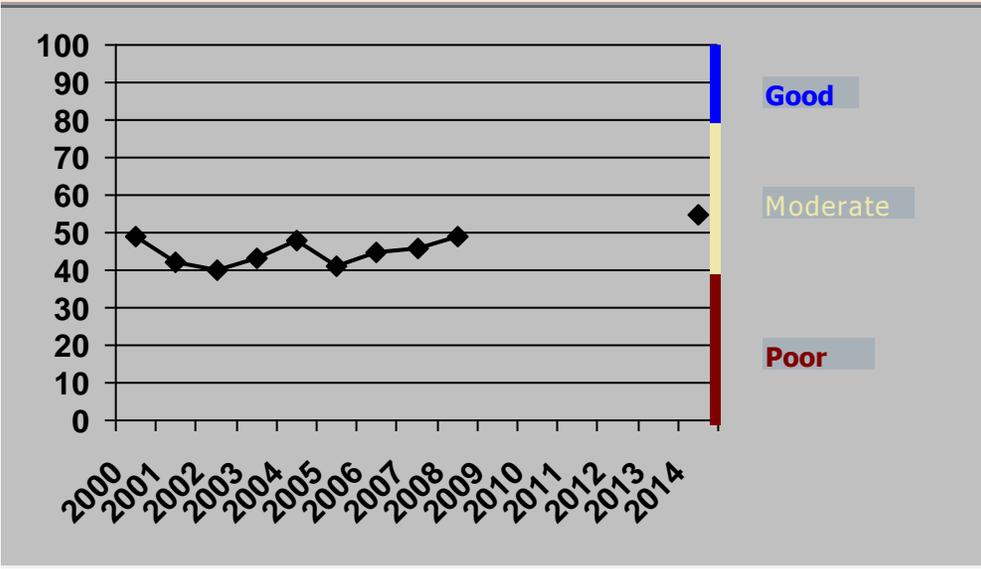
Water quality was MODERATE based on data collected 10/1/2013 to 9/30/2014.



## Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
66	93	93	93	77	75	85	73	72	54	54	55

## 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>