

**Table 1: Miller and Walker Creeks Recommended Monitoring Locations for Recommended Parameters**

The following is a draft list of recommended locations. It is subject to change based on further analysis during the development of the Quality Assurance Project Plan (QAPP) and new information.

An additional site suggested during the June 2009 public review is on the east fork of Miller Creek, either at Tub Lake or where the branch from Tub Lake passes under S. 144<sup>th</sup> St. in SeaTac. This site will be reviewed during the development of the QAPP.

	Miller Creek							Walker Creek	
Parameter (How Monitored)	S.W. 175 <sup>th</sup> Place in Normandy Park	Lake Burien outlet above confluence with Miller Creek in Normandy Park	Ambaum Detention Pond in Burien (above pond or down-stream at outfall)	Des Moines Memorial Drive/ SR509 in SeaTac	Miller Creek Regional Detention Facility in SeaTac <sup>1</sup>	Lake Reba in SeaTac	8 <sup>th</sup> Ave. S. at S.139 <sup>th</sup> St. in Burien <sup>2</sup>	13 <sup>th</sup> Ave. S.W. in Normandy Park	Des Moines Memorial Drive
Flow (continuous)	Continue at existing gage (42a); data collected since 1988	-	Install new gage either above or below pond	Continue at existing gage (42j); data collected since 2006	Continue at existing gage (42b); data collected since 1988	Continue at existing gage; data collected since 2006	Install new gage	Continue at existing gage (42e); data collected 1992-1996 and since 2000	Continue at existing gage (42k); data collected since 2006
Temperature (continuous)	new	-	new	new	new	-	new	new	new

<sup>1</sup> This location should be considered carefully. While the flow gage will remain at the Miller Creek Regional Detention Facility, sampling locations for other parameters could take place on Miller Creek immediately upstream (north of SR518). This would allow comparisons of conditions of Miller Creek upstream and downstream of SeaTac International Airport (STIA). Note, however, that Miller Creek receives stormwater from non-STIA sources (Lora Lake Apartments and SR518) in the stretch of the creek that flows across STIA.

<sup>2</sup> Alternative location is on Miller Creek upstream of 8<sup>th</sup> Ave. S. just downstream of SR509 culverts. Property owner Bob Pegnam has offered to host site.

Miller Creek								Walker Creek	
Conductivity, Turbidity, Dissolved Oxygen, and pH (grab samples)	new	-	new	new	new	-	new	new	new
Metals (grab samples)	new	-	new	new	new	-	new	new	-
Nutrients (grab samples)	-	new	new	new	new	-	new	new	-
Organics (grab samples)	new	-	new	new	-	-	-	new	-
Bacteria (grab samples) (sampling for human exposure only; sampling to determine origins would require more locations)	-	Sample at Lake Burien itself (not outlet stream)	-	-	-	-	-	Sample at Normandy Park Swim Club	-
Benthic Index of Biotic Integrity (BIBI) (grab samples)	Continue sampling at two locations at the Cove downstream of gage	new	-	Continue sampling at current location near S. 160 <sup>th</sup> St.	-	-	New location along SR509 near S. 136 <sup>th</sup> St.	Continue sampling at Normandy Park Swim Club	New location downstream of Des Moines Memorial Drive