

From: NOREPLY@ECY.WA.GOV
Sent: Monday, August 15, 2011 1:23 PM
To: 303d
Cc: Herold, Mike (ECY); Brown, Chad (ECY); Braley, Susan (ECY); Koch, Ken (ECY)
Subject: *** WQ ASSESSMENT - COMMENT ON LISTING 605677 ***0039

WATS 2010 REVIEW TOOL: Comment on Listing 605677

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SENT: 8/15/2011 1:23:52 PM
WEB LINK: [Listing 605677](#)
MAP LINK: [Listing 605677](#)

COMMENT:

The chemical criterion for a Category 5 listing requires that the mean concentration of each SMS chemical measured at three spatially distinct and chemically similar stations must exceed the CSL within a given grid and meet the assessment criteria in WAC 173-204-510 through 520. If this criteria is not met, then the assessment defaults to biological data if available. This criteria is not met based on the information posted for the listing ID 605677. Within the polygon 605677, the mapping tool indicates that there are three samples (originally collected by the Lower Duwamish Waterway Group) associated with this polygon: LDW-SS88, LDW-SS89, and LDW-SS92. However, a review of LDW sediment data indicates that, while one chemical (Total PCBs) exceeded SMS SQS in all three samples, only one of those samples (LDW-SS89) had Total PCB results exceeding CSL. Therefore, as stated above, the assessment should default to biological data. Only one of the three bioassay sample locations (LDW-SS88, LDW-SS89, and LDW-SS92) cited in the mapping feature had exceedances of bioassay criteria. For sample LDW-SS88, two of the three bioassays (amphipod and bivalve larvae) conducted indicated CSL biassay criteria exceedances. The remaining samples did not have any SQS or CSL exceedances for any of the three bioassays conducted (amphipod, polychaete, bivalve larvae). According to Ecology's Water Quality Program Policy document, the station with exceedances would therefore be designated 2 points, while the other stations have 0 points. Based on their biological flowchart in the Water Quality Program Policy document, this would result in a sediment classification of Category 2.