

UGA boundaries for 0-1.8 and 1.8-30m nearshore sediment monitoring sampling frames

Maggie Dutch, WA Dept of Ecology

November 16, 2011

Universal rules:

- If 1.8-30m sampling frame extends beyond the PSAMP Study Area, the outer 30m boundary was cut off at the PSAMP Study Area boundary.
- If the 0-1.8m areas extend beyond those adjacent to the PSAMP Study Area, best professional judgment was used to determine how much of the area to include in the nearshore sampling frame.
- NonUGA sampling frame boundaries will include only those areas that are within (for 1.8-30m) or immediately adjacent to (for 0-1.8m) the PSAMP sampling frame.

Strait of Georgia

1. Canadian border to southern end of Cherry Point
 - Includes Blain-City, and Blain-, Birch Bay-, and Cherry Point-UGAs.
 - Northern and southern boundaries based on latitudinal extension of UGA boundaries.
 - ? We will check to see why the sampling frame does not extend into Drayton Harbor.
2. Northern Bellingham Bay
 - Includes Bellingham-City and –UGA.
 - Southern boundary based on extension of the City boundary perpendicular to the shoreline.
3. Anacortes/Fidalgo Bay
 - Includes Fidalgo Bay and Padilla Bay to northern 30m depth contour.
 - Includes Anacortes-City and –UGA and Bayview Ridge-UGA.

San Juan Islands

4. Orcas Island
 - Includes Eastsound-UGA
 - Southern boundary extends to the 1500m buffer of the Eastsound-UGA.
5. San Juan Island
 - Includes Friday Harbor-City.
 - Includes entire area of Friday Harbor that is within the PSAMP boundary from shore to 30m.
6. Lopez Island
 - Includes Lopez-UGA.
 - Includes all of Fisherman Bay, adjacent and immediately to the south of the Lopez-UGA (Lopez Village).

Eastern Strait of Juan de Fuca

7. Port Angeles

- Includes Port Angeles-City and –UGA.
- Includes entire area of Port Angeles bay that is within the PSAMP boundary from shore to 30m.

8. Sequim Bay

- Includes Sequim-City and –UGA.
- Includes all of Sequim Bay

Admiralty Inlet

9. Port Townsend

- Includes Port Townsend-City and Port Townsend- and Jefferson County –UGA.
- Includes entire area of Port Townsend that is within the PSAMP boundary from shore to 30m.

Whidbey Basin

10. Holmes Harbor

- Includes Freeland-UGA.
- Northern and eastern boundaries drawn perpendicular to shoreline to 30m depth.

11. Penn Cove

- Includes Coupeville-City.
- Includes entire cove with eastern boundary drawn from point to point across mouth of cove.

12. Oak Harbor

- Includes Oak Harbor-City and –UGA.
- Includes entire harbor with southern boundary drawn across mouth of harbor.

13. LaConner/Swinomish

- Includes LaConner-City, and La Conner- and Swinomish-UGAs, and Mount Vernon-City and –UGA (drainage through the Skagit River).
- Includes entire Skagit Bay, due to heavy influence of drainage from the Skagit.

14. Langley

- Includes Langley-City and –UGA.
- Northwestern and southeastern boundaries drawn perpendicular to shoreline to 30m depth.

15. Port Susan

- Includes Stanwood City/UGA
- Includes northern end of Port Susan to 30m depth contour.

16. Everett Harbor/Possession Sound

- Includes Everett –City/UGA, and SW Snohomish County-UGA
- Boundary drawn to 30m contour

? Adjacent to Tulalip reservation - should boundaries extend to coast adjacent to reservation?

Central Puget Sound

17. Main Basin

- Includes all City/UGA along this stretch of shoreline (Everett, Mukilteo, Lynnwood, Edmonds, Shoreline, Seattle, SeaTac, Des Moines, Federal Way, Tacoma).
- Includes entire Central PS eastern shoreline to 30m, from Everett south to northern end of Tacoma Narrows (Dash Point).

18. North of Port Madison

- Northern and southern boundaries drawn perpendicular to shoreline to 30m depth.

19. Bainbridge Basin

- Includes Bainbridge Island-City, and Poulsbo, Bremerton, and Port Orchard-City and –UGA.
- Includes 0 to 30m depth area surrounding Bainbridge Island, and all of Liberty Bay, Port Washington Narrows, Dyes Inlet, and Sinclair Inlet, and Rich Passage.

? Should areas 18 and 19 be joined through the Suquamish Tribe reservation?

20. Gig Harbor

- Includes Gig Harbor-City/UGA
- Includes entire harbor

South Puget Sound

21. University Place/Steilacoom/Tacoma Narrows

- Includes University Place, Steilacoom, and DuPont –City; Unincorporated Pierce Co. and Lakewood UGA, and Lacey-City/UGA.
- Includes area from south end of Tacoma Narrows to northwestern border of Lacey-City/UGA.

22. Henderson Inlet

- Includes Lacey-Olympia City/UGA drainage through Woodard and Woodland Creeks.
- Includes all of Henderson Bay.

23. Budd Inlet

- Includes Olympia and Tumwater City/UGA and Thurston Co. UGA.
- Includes southern third of Budd Inlet. Boundary based on perpendicular extension of western UGA boundary across the bay.

24. Shelton Harbor and Oakland Bay

- Includes Shelton City/UGA
- Includes all of Shelton Harbor and Oakland Bay

25. Northern tip of Case Inlet

- Includes Allyn-Unincorporated UGA.
- Boundary based on perpendicular extension of UGA border across bay.

26. Northern tip of Carr Inlet

- Includes Gig Harbor City/UGA
- Boundary drawn at end of 30m depth contour near the City/UGA border.

Hood Canal

27. End of Lynch Cove

- Includes Belfair-Unincorporated UGA
- Boundary drawn to include 0-30m depth wedge at end of Lynch Cove.