

Figure 1. 1956 USGS quadrangle image with net shore-drift mapping for Iverson Spit and adjacent systems.

Iverson Preserve Sedimentation and Groundwater Data Collection and Synthesis



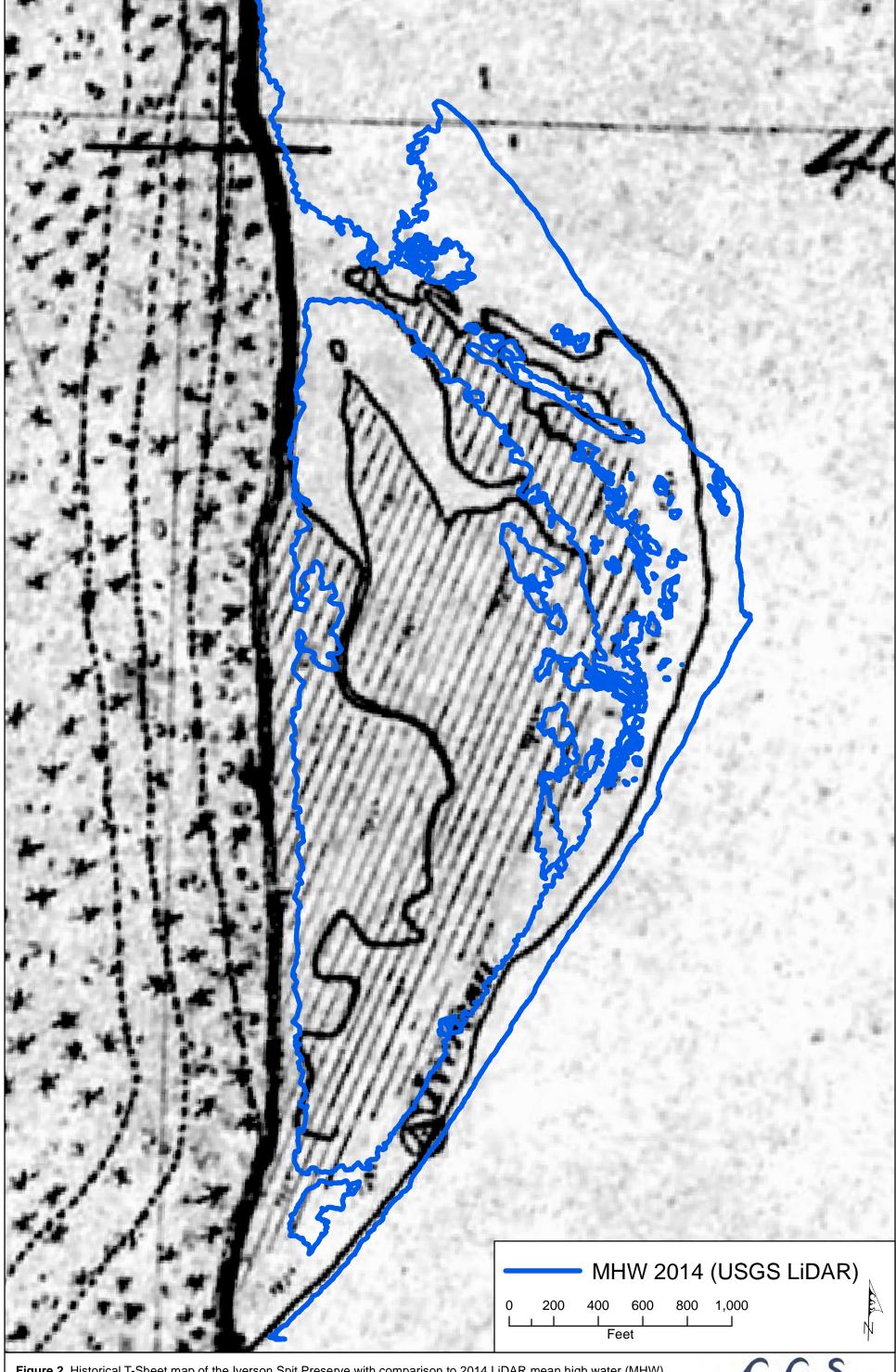


Figure 2. Historical T-Sheet map of the Iverson Spit Preserve with comparison to 2014 LiDAR mean high water (MHW). T-Sheet #1755 courtesy of the UW River History Group. *Iverson Preserve Sedimentation and Groundwater Data Collection and Synthesis*



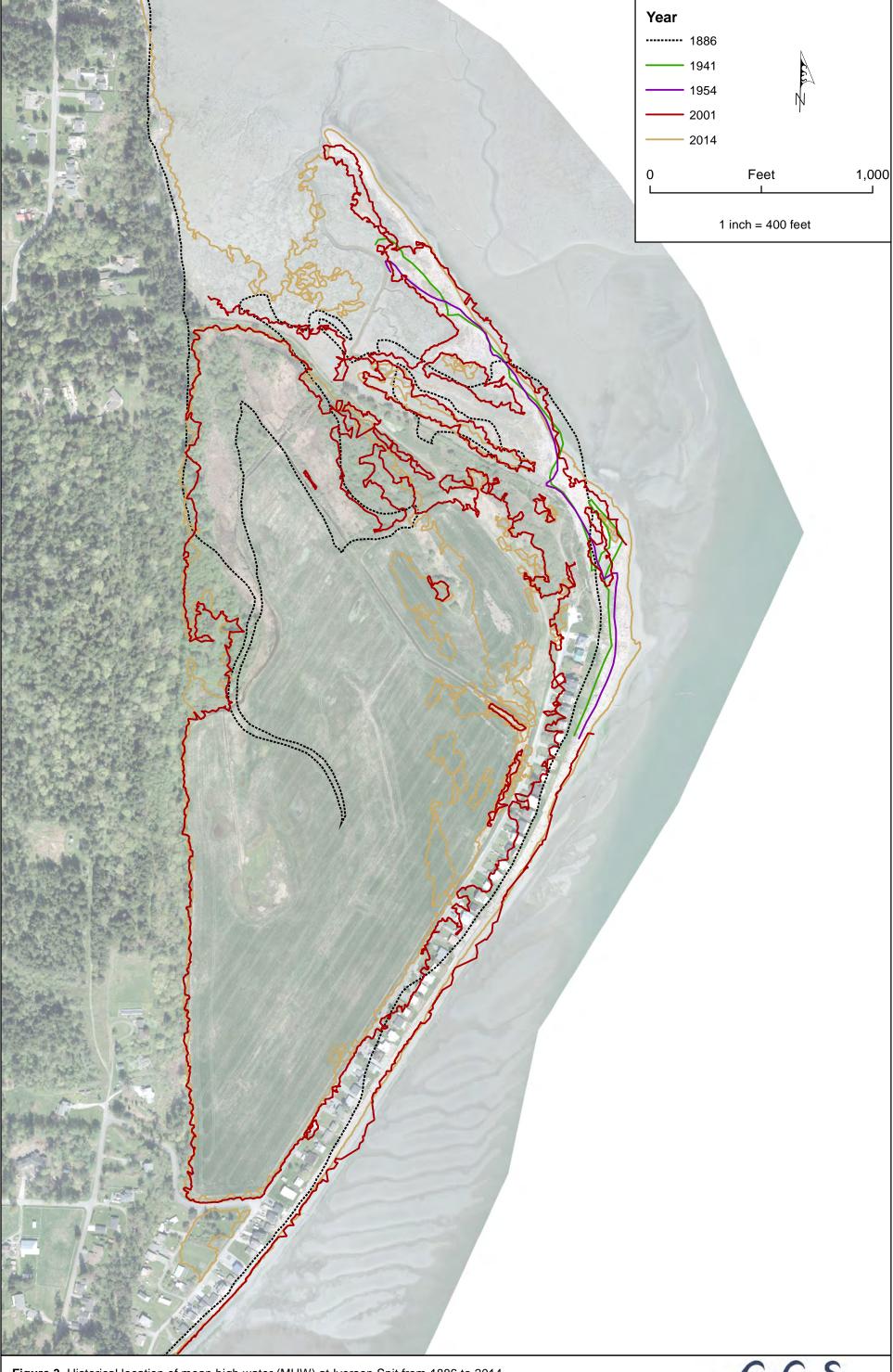
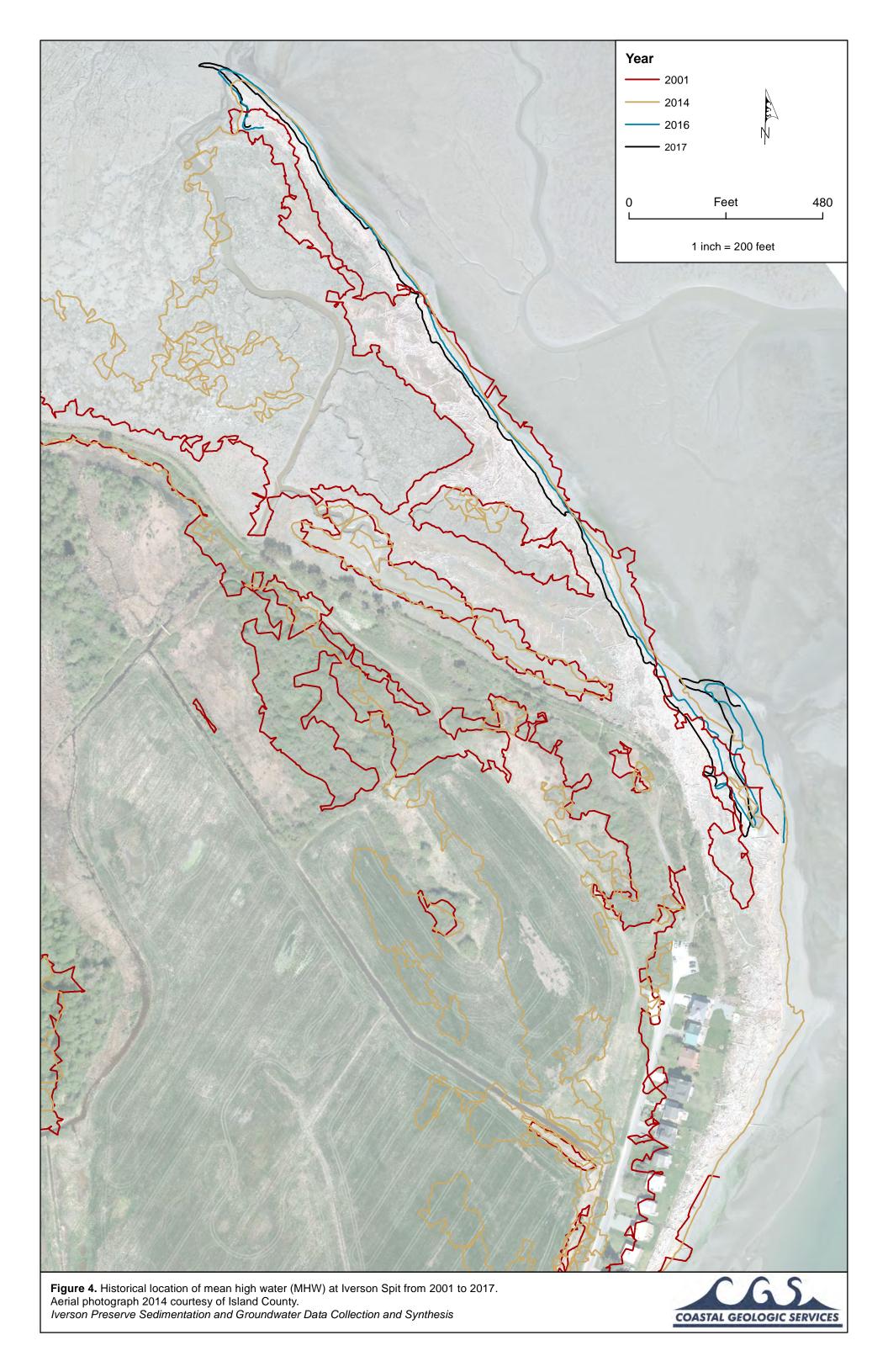


Figure 3. Historical location of mean high water (MHW) at Iverson Spit from 1886 to 2014. Aerial photograph 2014 courtesy of Island County. *Iverson Preserve Sedimentation and Groundwater Data Collection and Synthesis*





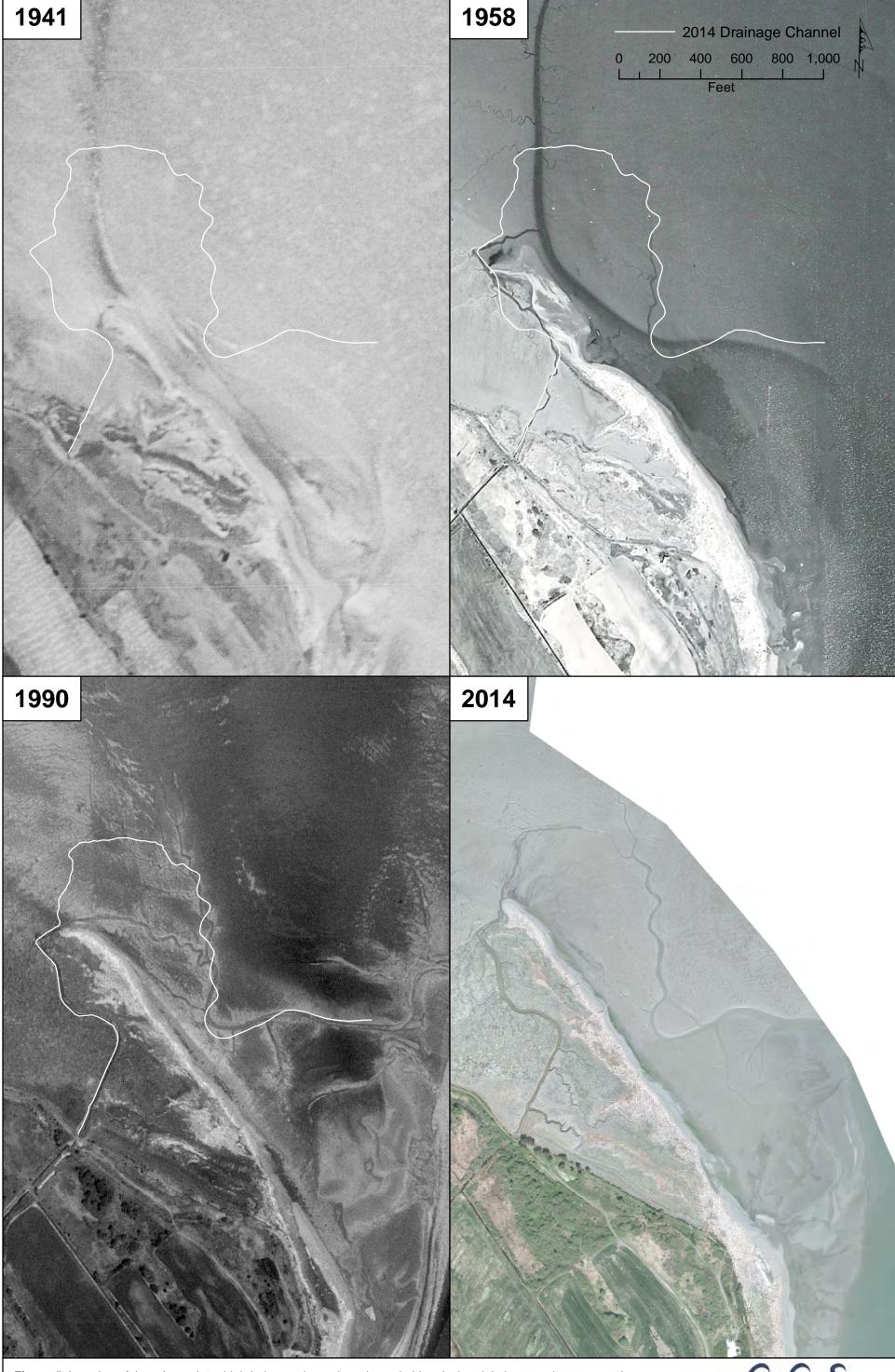
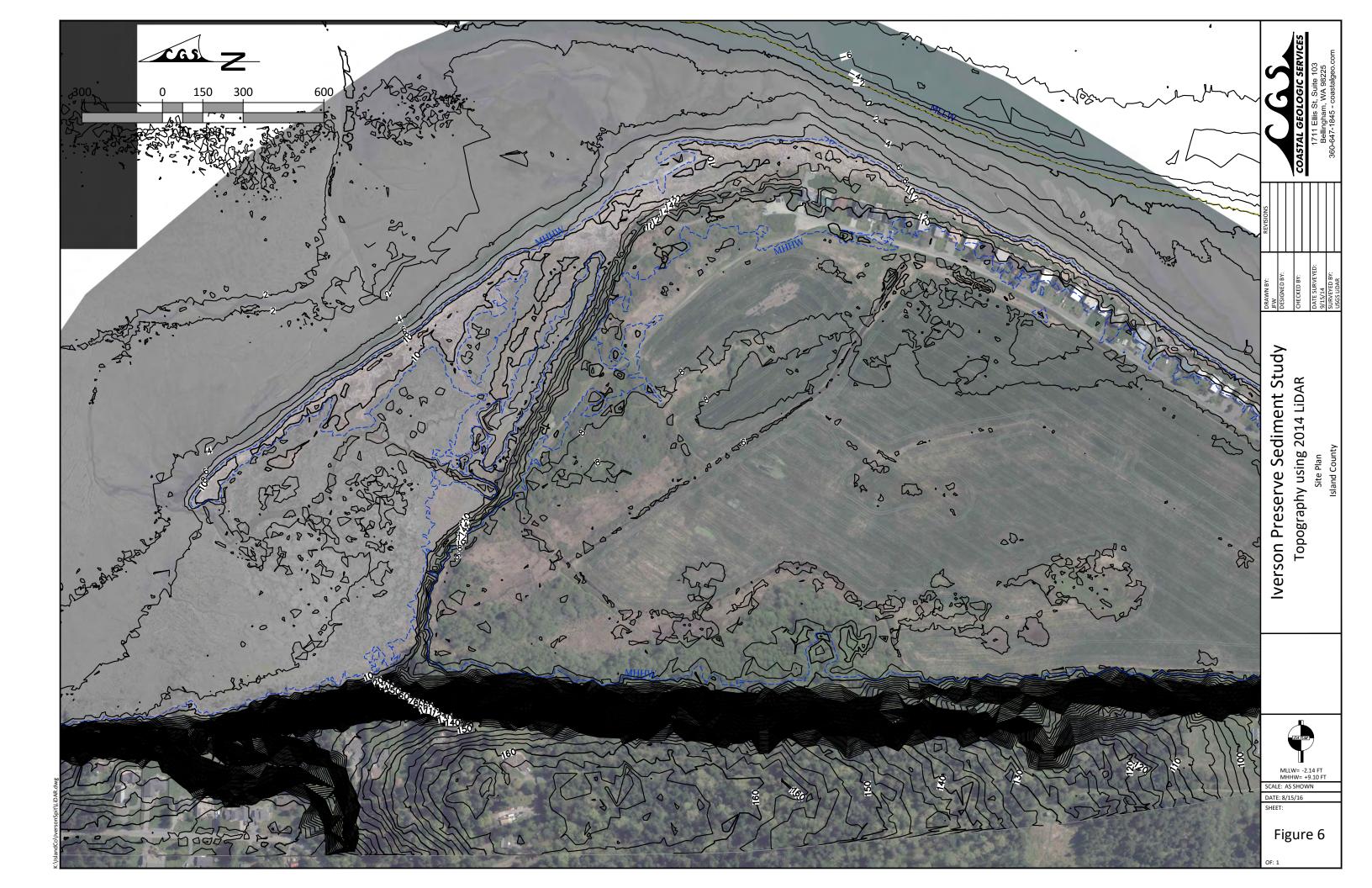


Figure 5. Location of the primary intertidal drainage channel as shown in historical aerial photography compared to 2014 channel (in white). 2014 Aerial photo courtesy Island County. *Iverson Preserve Sedimentation and Groundwater Data Collection and Synthesis*

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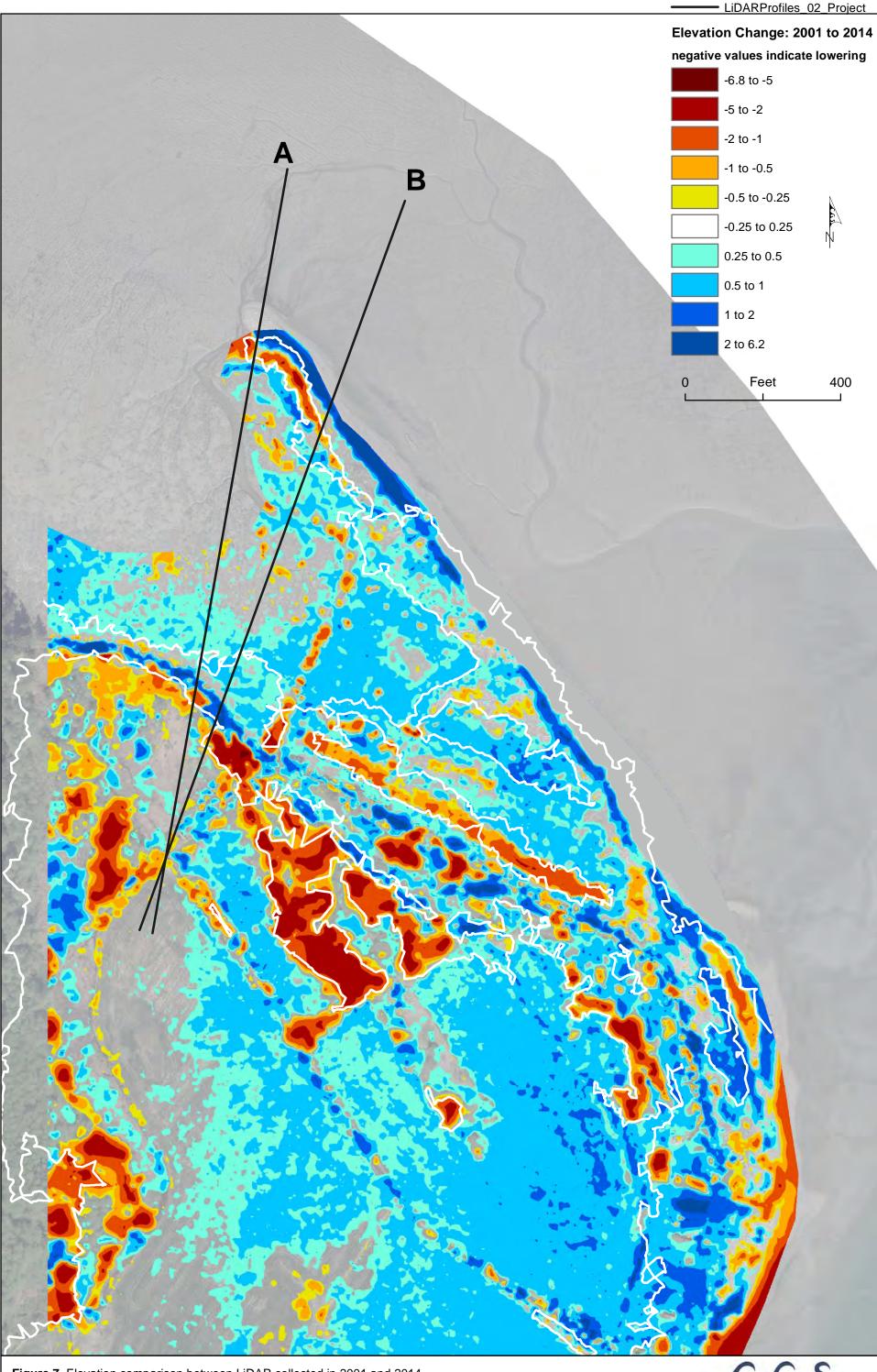
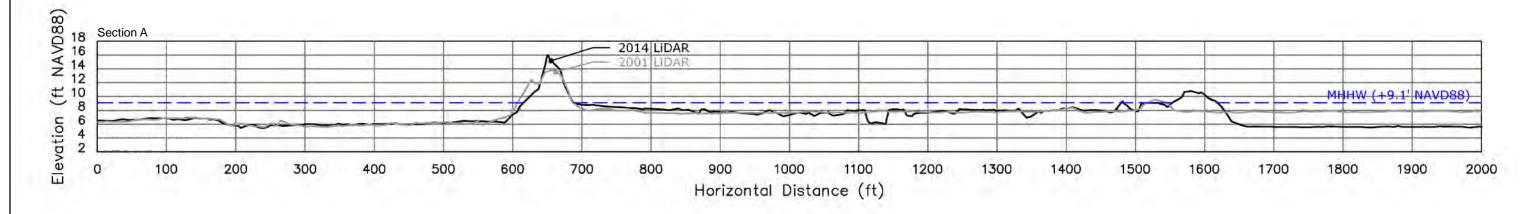
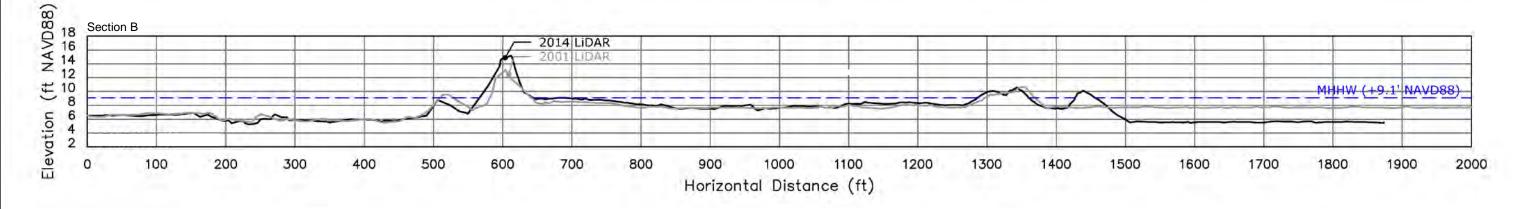


Figure 7. Elevation comparison between LiDAR collected in 2001 and 2014. Mean high water from 2001 shown in white for comparison. 2001 LiDAR courtesy Puget Sound LiDAR Consortium, 2014 LiDAR courtesy Island County Public Works.

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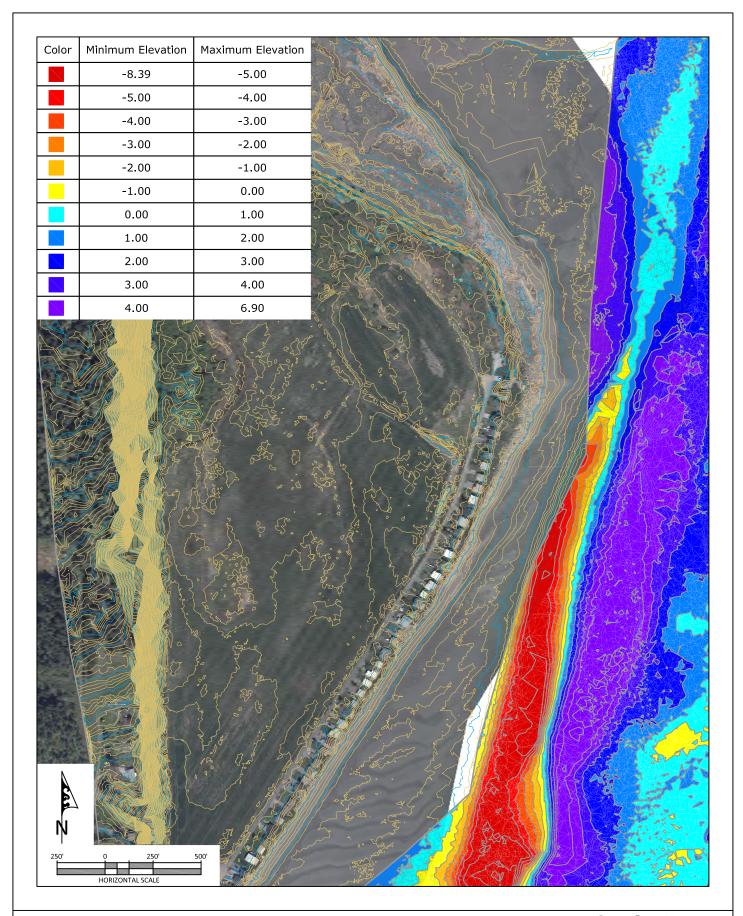


Figure 9: Bathymetry change from 1962 NOAA H-Sheet and 2014 LiDAR.





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Figure 11. Surface sediment samples and cores collected at Iverson Spit Preserve on August 17 and 22, 2016. Field photos illustrate the collection process from the southern site extent to the northern site extent. *Iverson Preserve Sedimentation and Groundwater Data Collection and Synthesis*

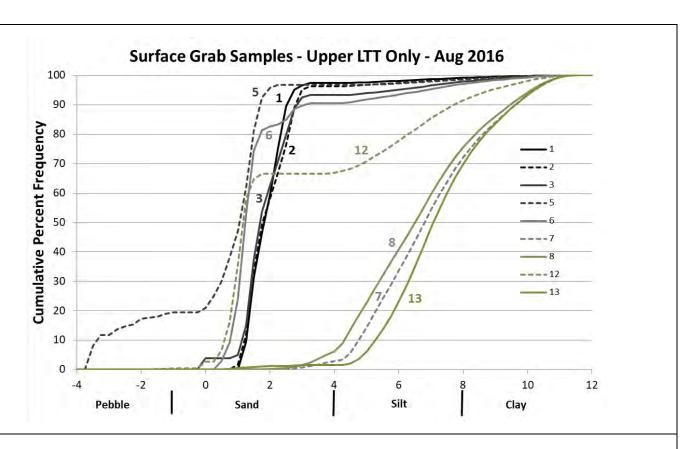


Figure 11. Cumulative percent frequency results by phi sizes of surface sediment grab samples grain size analysis for the Upper Low Tide Terrace (LTT).

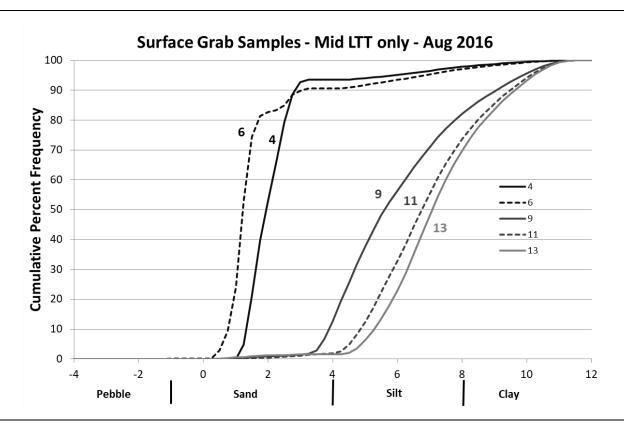


Figure 12. Cumulative percent frequency results by phi sizes of surface sediment grab samples grain size analysis for the Mid Low Tide Terrace (LTT).







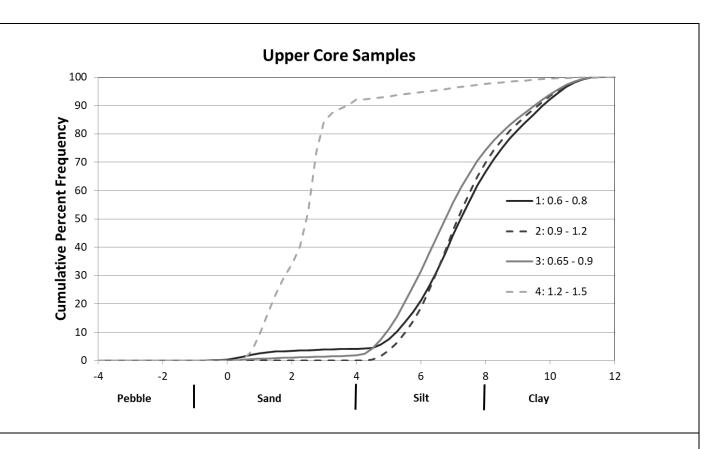


Figure 14. Grain size analysis cumulative percent frequency results by phi sizes; for upper depths of core samples.

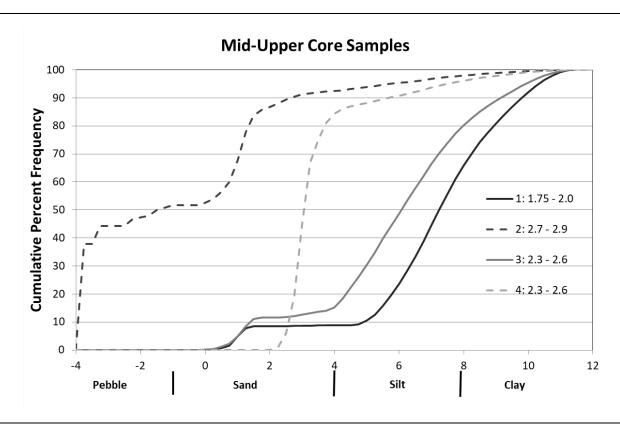


Figure 15. Grain size analysis cumulative percent frequency results by phi sizes; for mid-upper depths of core samples.

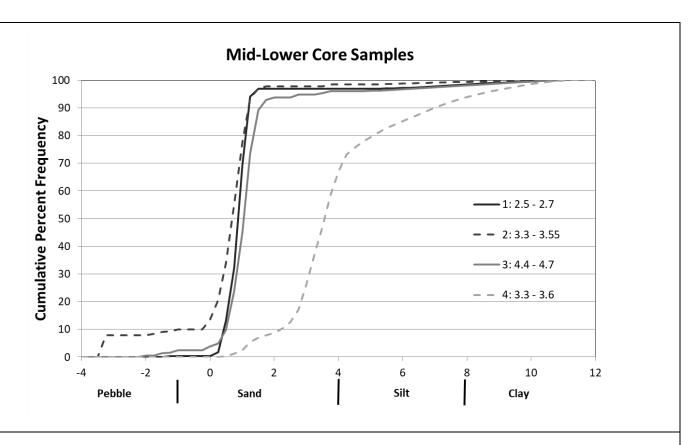


Figure 16. Grain size analysis cumulative percent frequency results by phi sizes; for mid-lower depths of core samples.

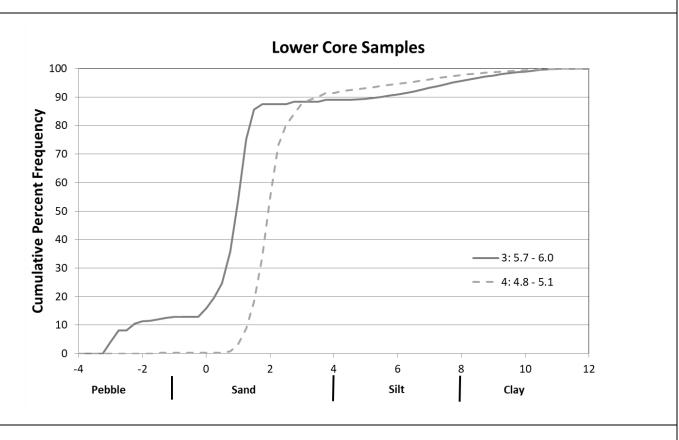


Figure 17. Grain size analysis cumulative percent frequency results by phi sizes; for lower depths of core samples.

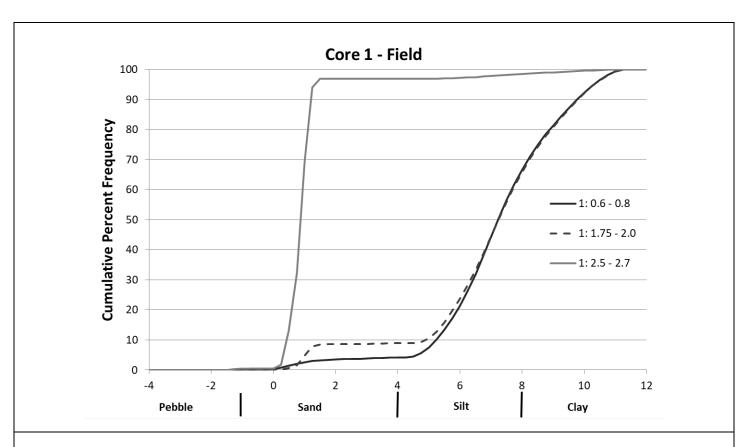


Figure 18. Grain size analysis cumulative percent frequency results by phi sizes for Core 1.

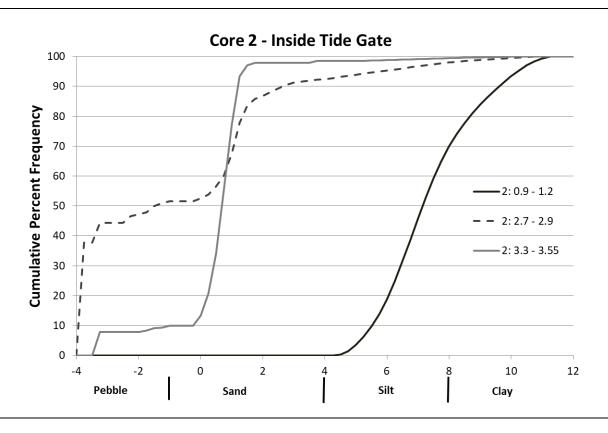


Figure 19. Grain size analysis cumulative percent frequency results by phi sizes for Core 2.

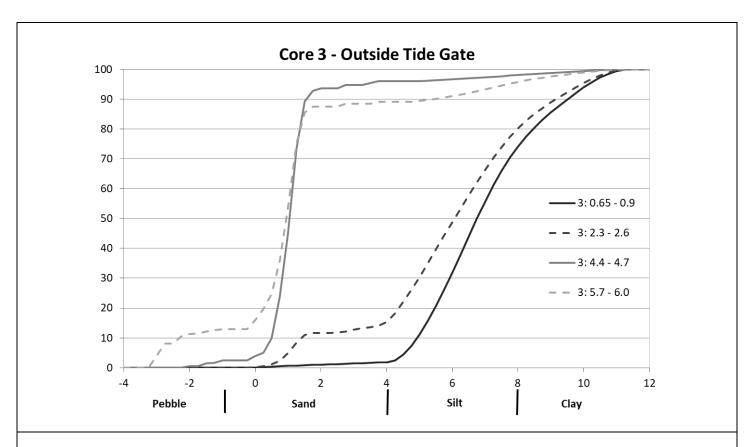


Figure 20. Grain size analysis cumulative percent frequency results by phi sizes for Core 3.

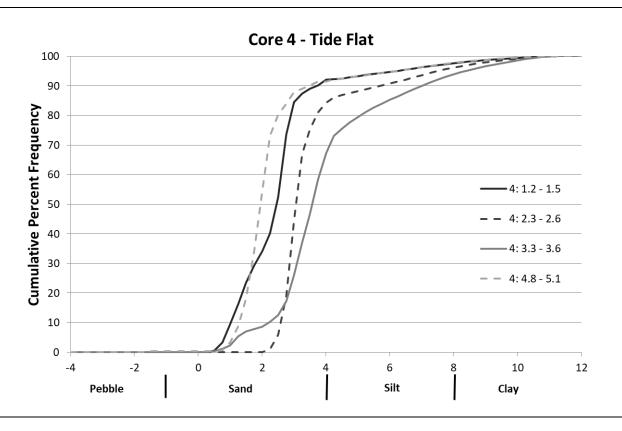


Figure 21. Grain size analysis cumulative percent frequency results by phi sizes for Core 4.