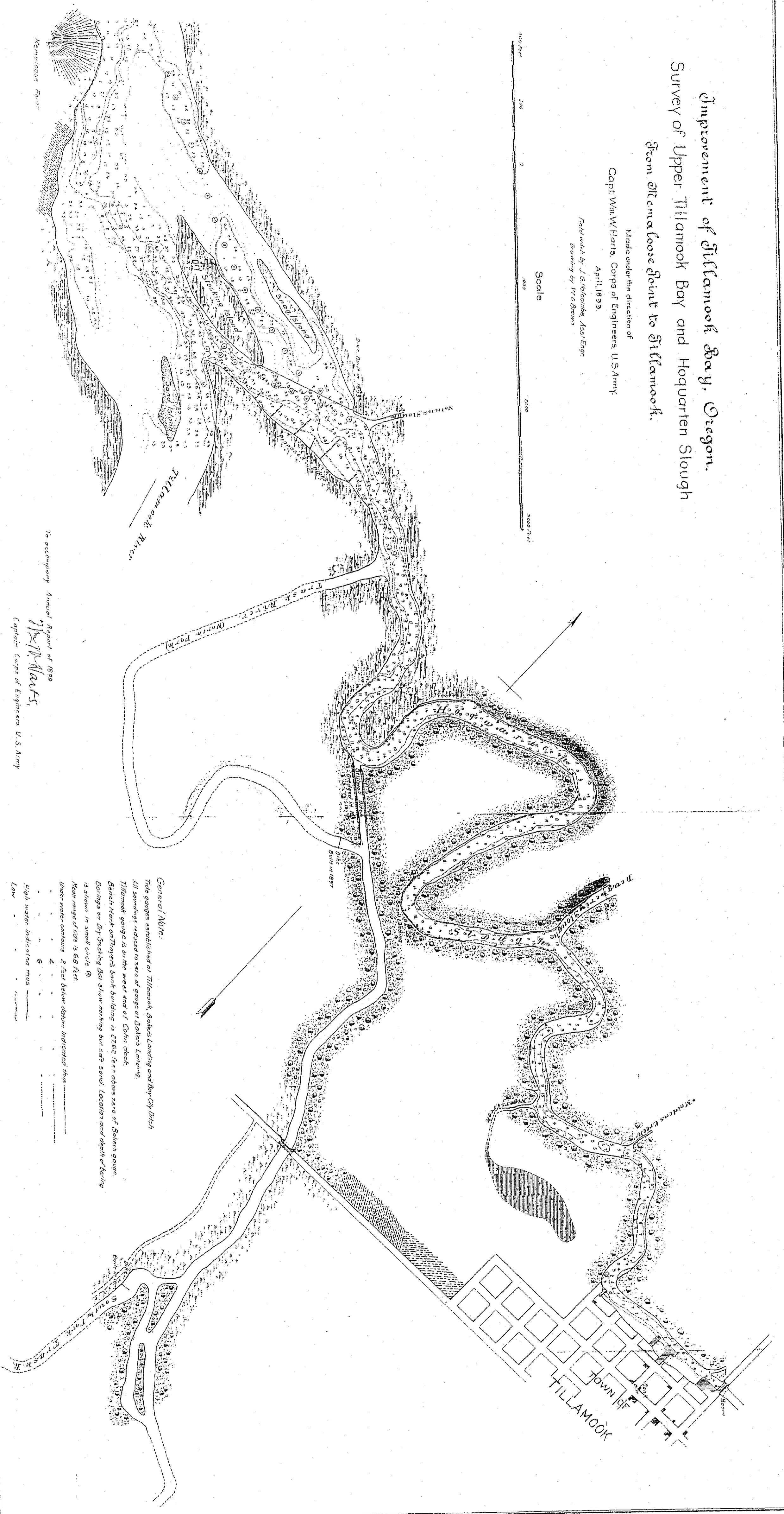
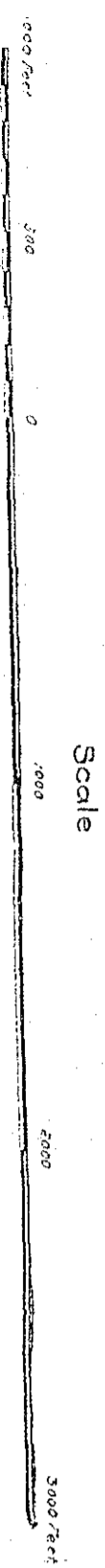


Improvement of Tillamook Bay and Hoquarten Slough
 Survey of Upper Tillamook Bay and Hoquarten Slough
 From Alameda Loose Point to Tillamook.

Made under the direction of
 Capt. Wm. W. Harts, Corps of Engineers, U. S. Army
 April, 1873.
 Field work by J. G. Wickens, Asst. Engr.
 Drawing by W. G. Brown



To accompany Annual Report of 1879
 Wm. W. Harts
 Captain, Corps of Engineers, U. S. Army

General Note:
 Tide gauges established at Tillamook, Babine Landing and Bay City, Oreg.
 All soundings reduced to zero at gauge at Babine Landing.
 Tillamook gauge is on the west end of Olsen dock.
 Babine Landing on Taylor's bank building is 2762 feet above zero of Babine gauge.
 Soundings on Dry-Sacking Bar show marking but not sand. Locations and depth of bar are shown in small circles.
 Mean range of tide is 68 feet.
 Lower water contours 2 feet below datum indicate this
 High water indicators this
 Low

F 40-39D