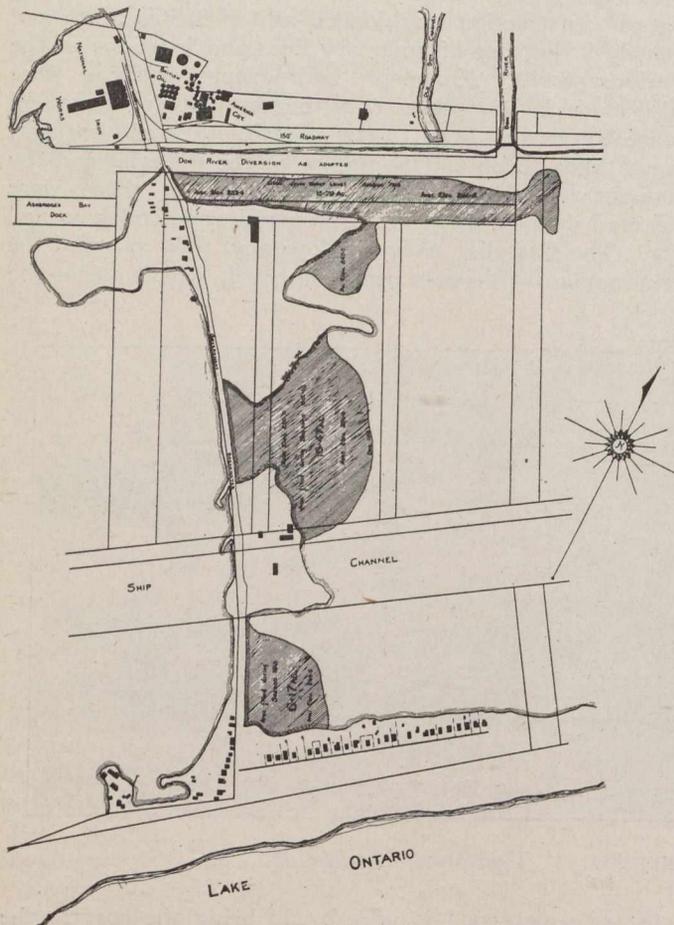


studies were made of the various types of bridges to ascertain those best suited for use over the channels. Over \$6,000,000 worth of work was designed by the department for 1913, for which over 5½ million dollars worth of work was let before the end of the year. Detailed plans, specifications and estimates were prepared in connection with the work to be undertaken by the Government, and by the Commissioners, for over \$11,000,000 worth of work, of which over \$9,000,000 worth was contracted for before the end of the year. The entire scheme is being carried out under the direction of the Toronto Harbor Commission, consisting of L. H.

burned in February, 1913. Its location was directly in line with the improvements planned by the Commission, and the negotiations between the two organizations included the erection of foundations, by the Commission, on a different site.

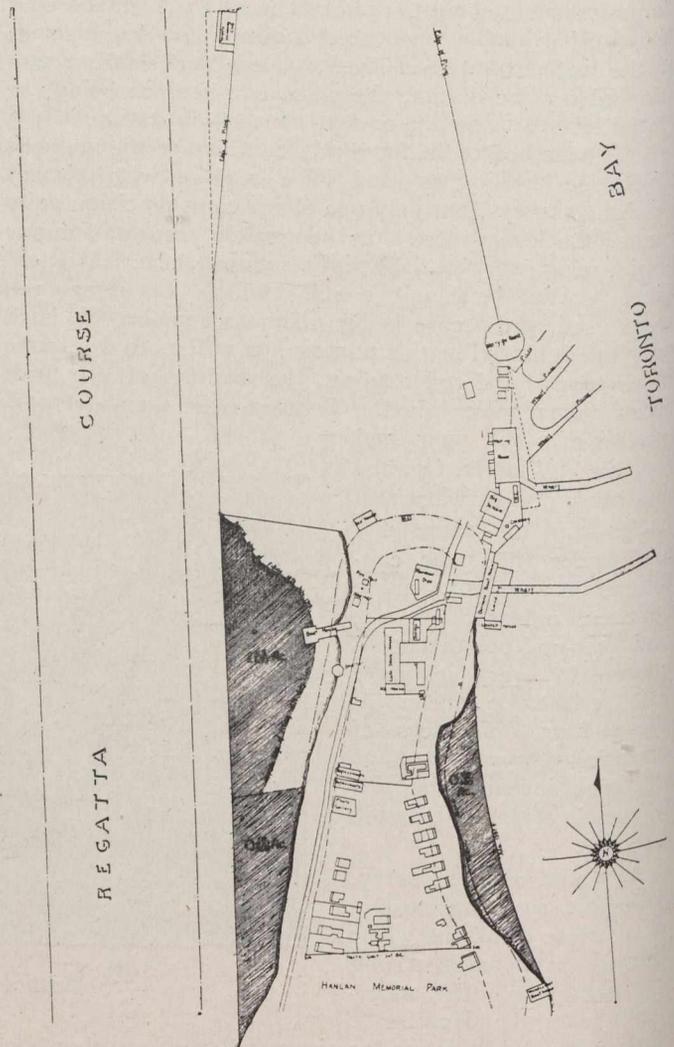
The construction of the Don River diversion, a contract amounting to \$171,000, and being executed depart-



Property Reclaimed in Eastern Section by the Harbor Commission During 1913.

Clarke, Chairman; R. S. Gourlay, T. L. Church, R. Home Smith and F. S. Spence. The Commission holds a Dominion charter with extensive powers in the development and management of the waterfront and harbor. To it the city has deeded its waterfront holdings (85% of the entire frontage) and its right to the marshy sections that are being filled in. Mr. E. L. Cousins is chief engineer to the Commission. His assistant engineers include Mr. J. R. Wainwright, in charge of designing and Mr. N. D. Wilson in charge of surveys. Mr. A. C. Mitchell is superintendent of construction. The consulting engineer of the Commission is Mr. J. G. Sing, Toronto.

While the foregoing notes relate to 1913 operations only, as outlined in the annual report, it will be of interest to observe that during the present year the engineering department of the Commission has been very actively engaged in the furtherance of the work. The foundations for the new building for the Parkdale Canoe Club have been completed. The previous building was



Reclamation Work During 1913 at Hanlan's Point, by the Commissioner's Hydraulic Dredges.

mentally, will be finished by November 1st of this year. The Commission's dredges have all been actively engaged in reclamation work throughout the harbor during the entire season. The dredge "Shuniah," of the Canadian Stewart Company, has been similarly engaged in reclamation work since July. It is expected that the "Cyclone," one of the new 24-in. dredges being built by the Polson Iron Works for this company, and nearing completion, will commence work late this fall. Its sister dredge, "Tornado," will be completed this winter and ready for operations in the spring.

A length of about 1,600 ft. of the western breakwater extending from the Humber River westward, one of the Government contracts, is already in place. About 8,000 ft. of dock-work is under construction, belonging to a Government contract on the eastern section of the bay. This is in connection with work on the marginal way and ship channel, and on which considerable progress has been made.