

**APPENDIX I**

**Aquatic Macrophyte Sampling Locations**

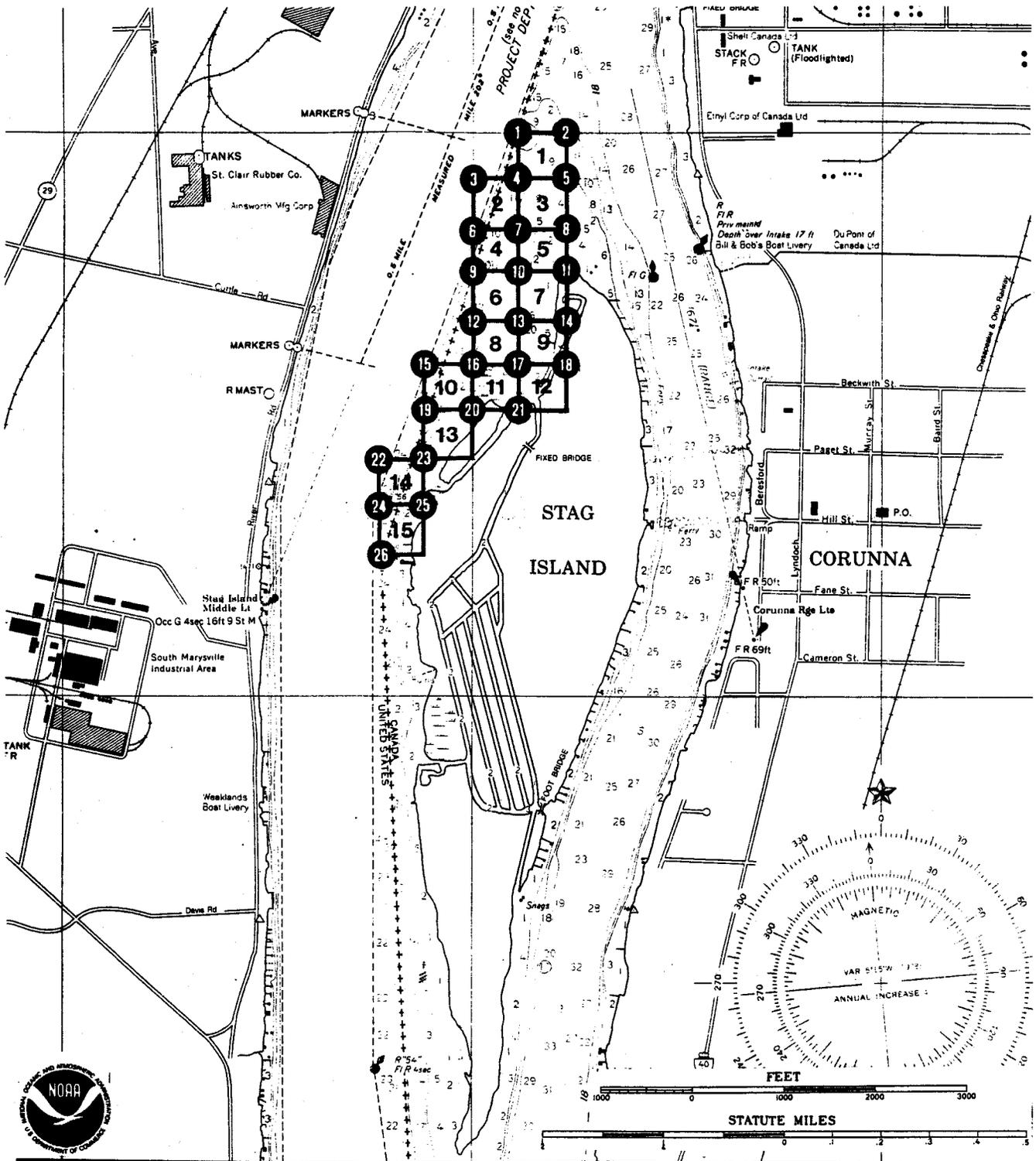
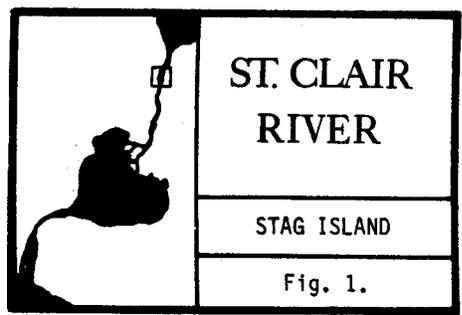


Fig. 1. Stag Island is in the St. Clair River about 8.5 miles downstream from Port Huron. The starting point for the grid network is in an area on the western side of Stag Island, about 1400 feet downriver from the island's northernmost tip. The set point (grid intersect number 21) is located at a breakwall along the eastern edge of the channel entrance leading to the inner island canals. From this set point the first grid line (grid intersects 21, 17, 13, 10, 7, 4, and 1) ran 3000 ft. at 4° north. The second grid line (intersects 21, 20, and 19) ran 1000 ft. from the set point at 276° west. All other grid points were set by using these two initial lines as markers.



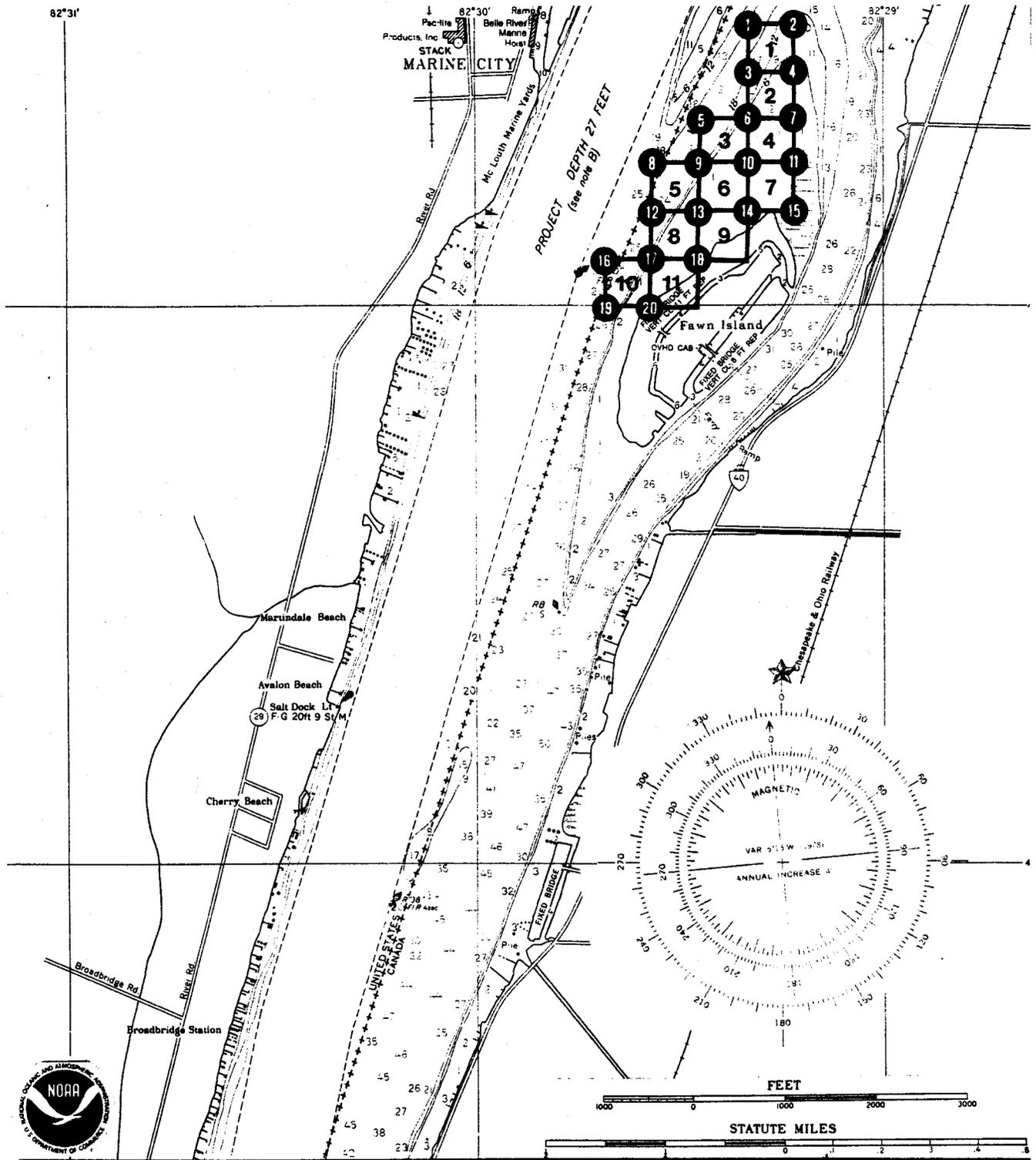
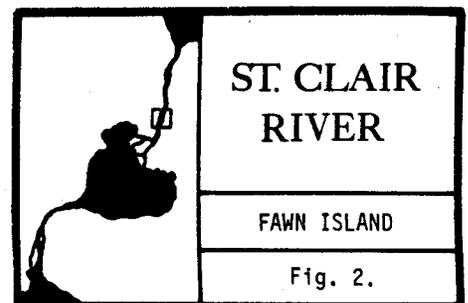


Fig. 2. Fawn Island is in the St. Clair River about 13 miles downstream from Stag Island. The starting point for the grid network is located on the island's west side, at the northernmost entrance to the inner island canals. The first grid intersection (buoy number 15) is at the junction of a line across the northern tip of the island and a 4° north compass sighting taken from the set point. Once buoy number 15 is positioned the first grid line (grid intersects 11, 7, 4, and 2) is established, running 2500 feet at 4° north from the set point. The second grid line (intersects 14, 13, and 12) is 1500 feet long, and is sighted off buoy number 15, at 276° west. All other grid points were set by using these two initial lines as markers.



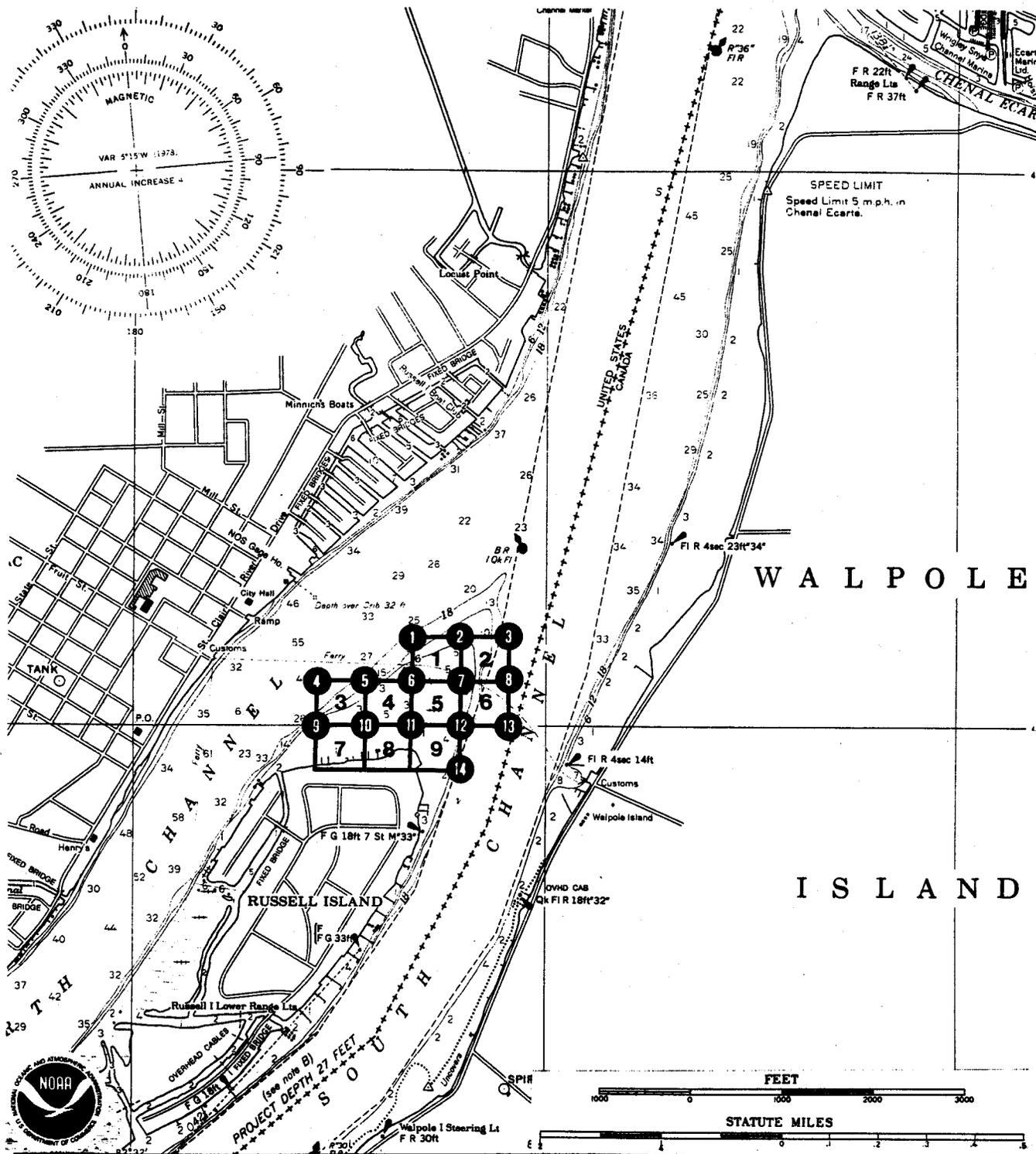


Fig. 3. Russell Island is in the St. Clair River about 5.5 miles downstream from Fawn Island. The starting point for the grid network is a U.S. Geological Survey stake located at the northeastern point of the island. The first buoy (number 11) is 200 feet offshore in the line with the survey stake and 4° north. From this buoy the first grid line (intersects 6 and 1) is set at a heading of 4° north. The second grid line is evenly divided by buoy number 11. The western half of this grid line (intersects 9 and 10) is set at 276° west from buoy 11. The rest of the grid line (intersects 12 and 13) is set at 96° east.

	ST. CLAIR RIVER
	RUSSELL ISLAND
	Fig. 3.

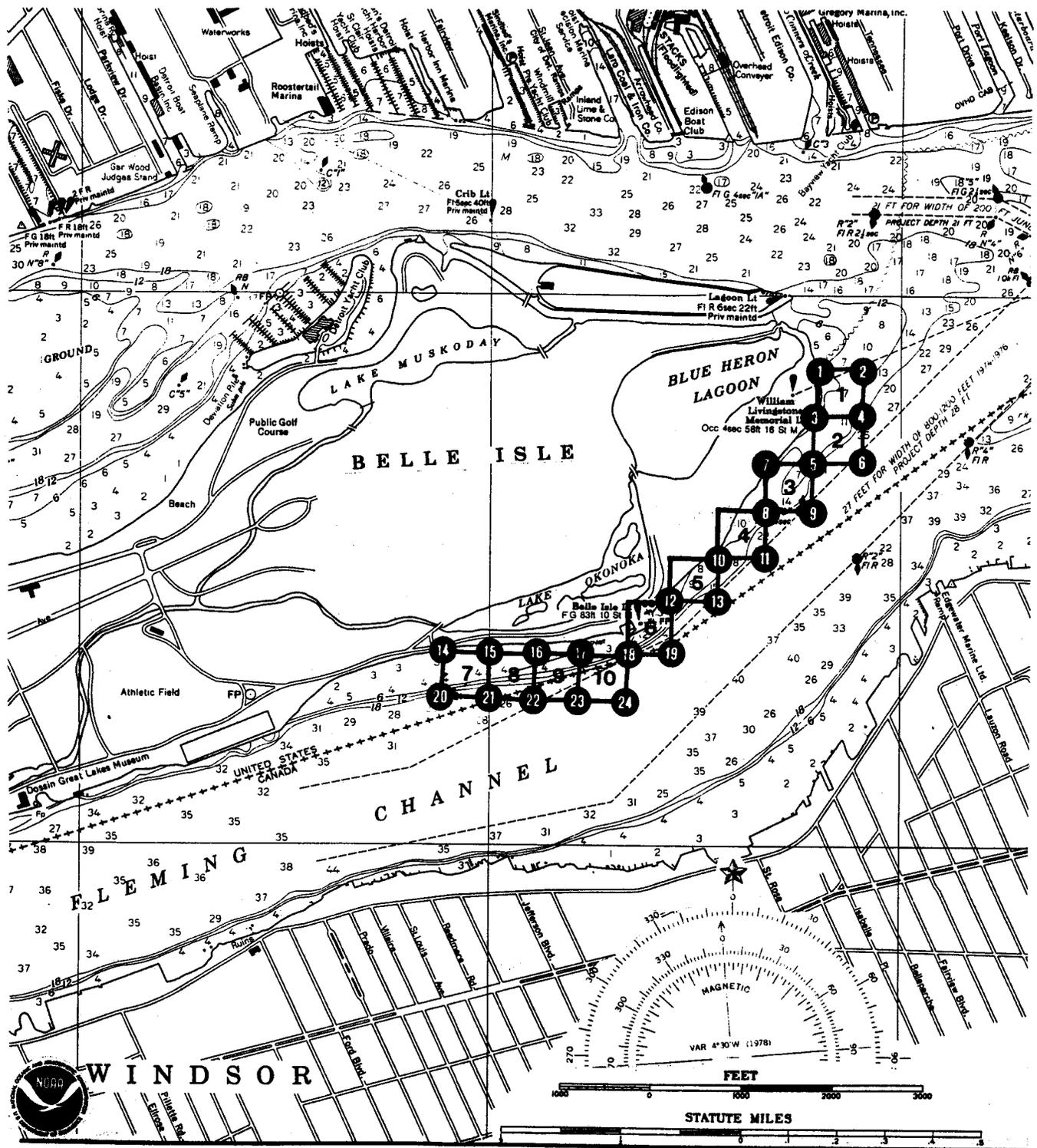
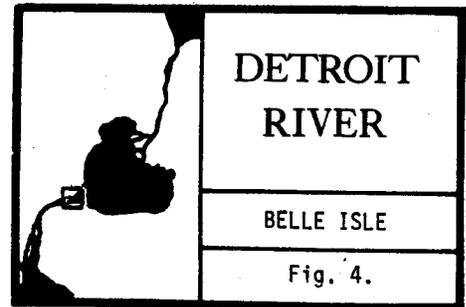


Fig. 4. Belle Isle is at the head of the Detroit River. The starting point for the grid network is the entrance onto the Michigan DNR fishing pier just west of the Belle Isle Coast Guard Station at grid intersect number 17. Grid intersects 1, 3, 7, 10, 12, 14, 15, 16, and 18 were located from shore with a steel tape. All other grid points were located by boat by sighting from shore at a compass reading of 184°S.



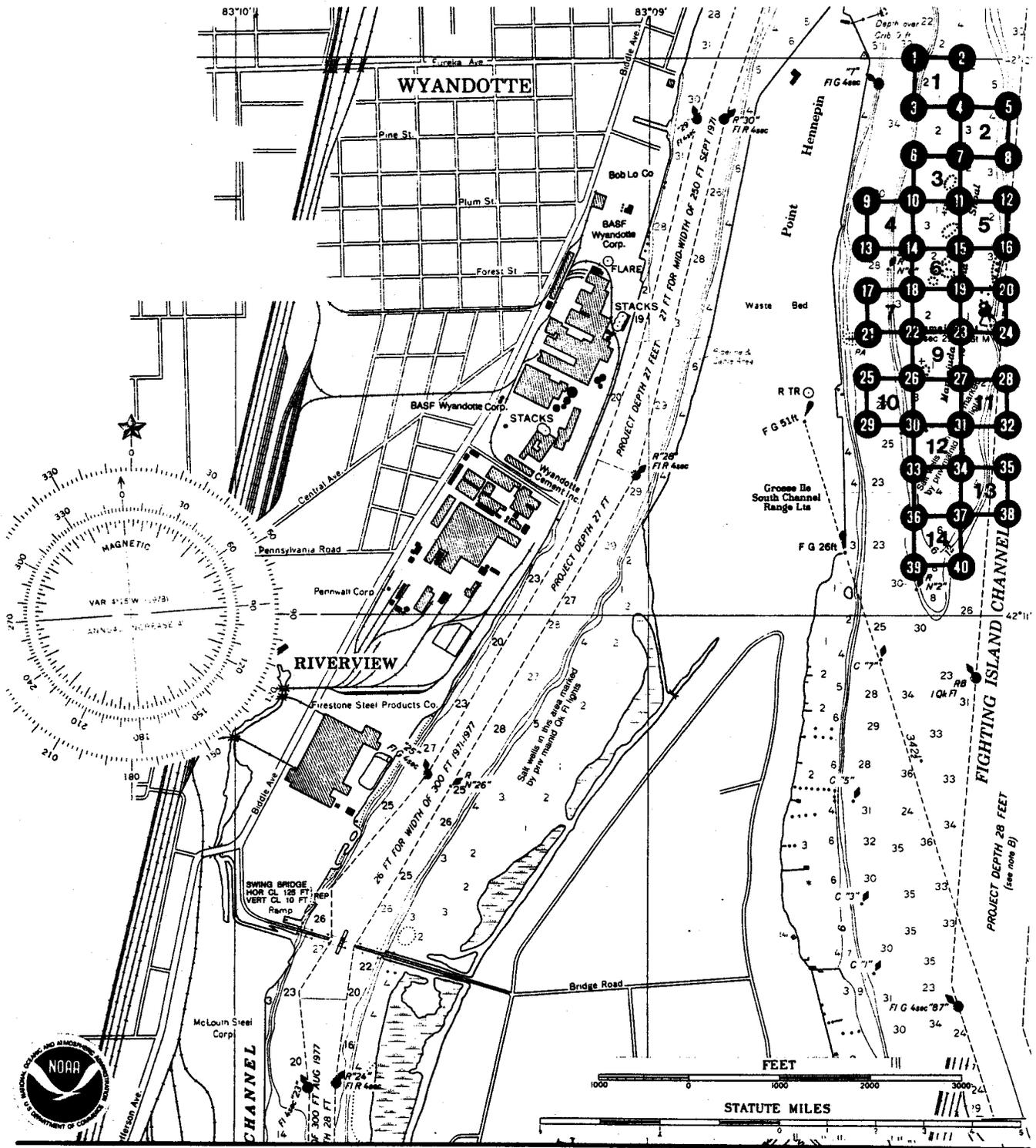


Fig. 5. Point Hennepin is in the Detroit River about 12.6 miles downstream from Belle Isle. The grid was set along the northeast side of Point Hennepin in the Mamajuda Shoals area. The starting point for setting the grid was the southeast corner of the Mamajuda light. Grid intersect number 23 was set 100 feet north and 250 feet east of this corner. From this grid intersection the first line (intersects 19, 15, 11, 7, 4, and 2) was placed running 3000 feet at 4°N. The lower half of this line (intersects 27, 31, 34, 37, and 40) ran 2500 feet at 184°S. The east-west lines were set from shore on a compass bearing of 94°E based on shore measurements north and south of the Grosse Ile South Channel Range Light (FG 51 ft.).



## DETROIT RIVER

### POINT HENNEPIN

Fig. 5.

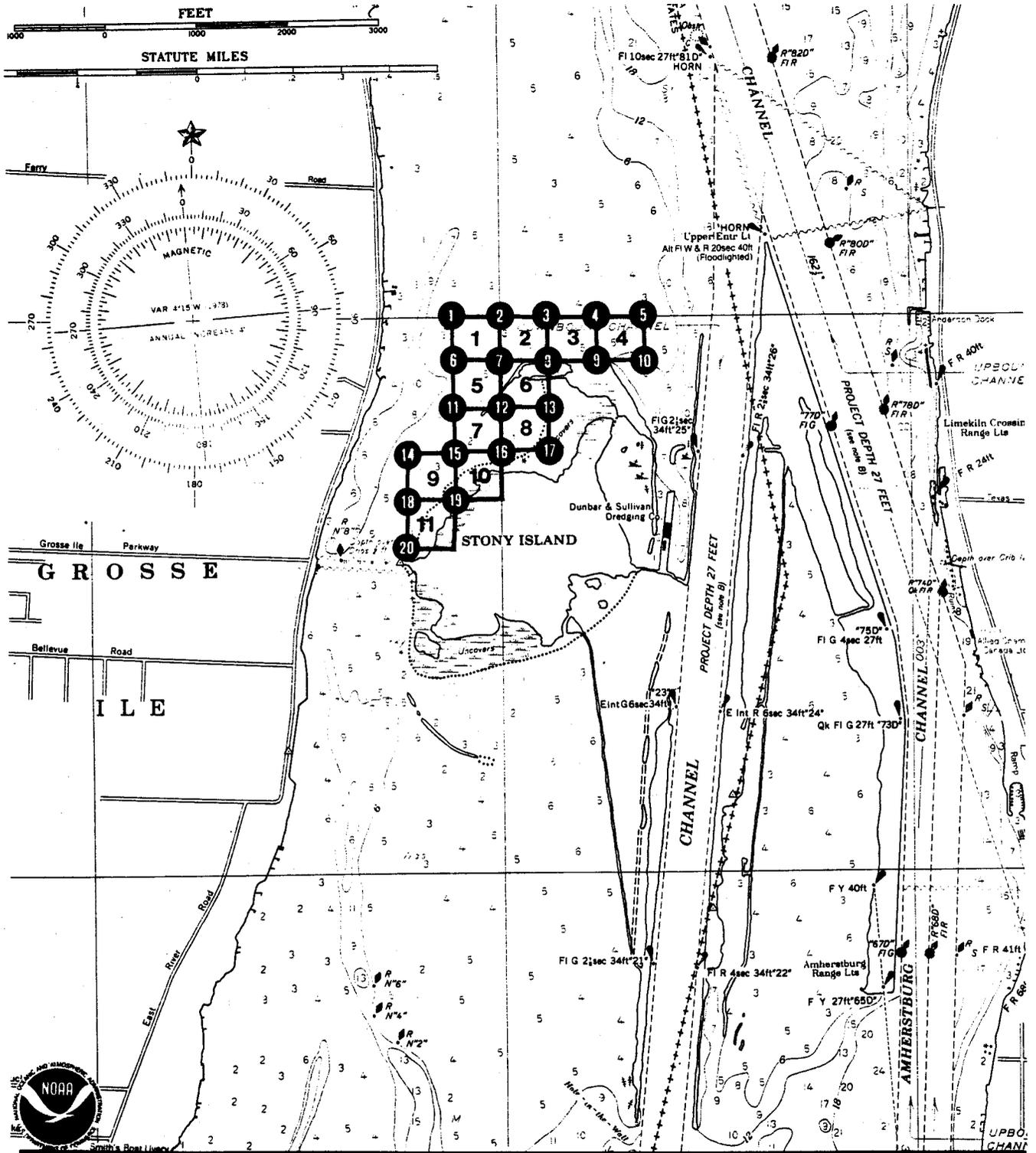


Fig. 6. Stony Island is in the Detroit River about 5 miles downstream from Point Hennepin. The starting point for the grid network is at grid intersect number 8 which is located 250 feet east of the upper northwest corner of Stony Island. From this set point the first grid line (intersects 6-10) is set using the front edge of the island as a line. Grid intersect number 3 is then set from number 8 on a compass bearing of 4°N. All other points are set in relation to these two lines.

