

MAINTENANCE DREDGING  
MATAGORDA SHIP CHANNEL, TEXAS

TABLE 1  
Results of Tests on Sediment Samples\*

| Sample Number                         | Station Description                                                | Vol Sol<br>mg/kg<br>dry wt. | COD<br>mg/kg<br>dry wt. | Tot Nit<br>mg/kg<br>dry wt. | Oil & Grease<br>mg/kg dry<br>wt. | Mercury<br>mg/kg<br>dry wt. | Lead<br>mg/kg<br>dry wt. | Zinc<br>mg/kg<br>dry wt. |
|---------------------------------------|--------------------------------------------------------------------|-----------------------------|-------------------------|-----------------------------|----------------------------------|-----------------------------|--------------------------|--------------------------|
| EPA Proposed Criteria**<br>of 1/11/71 |                                                                    | 60,000                      | 50,000                  | 1,000                       | 1,500                            | 1.0                         | 50                       | 50                       |
| M-71a-1S                              | Lynn Bayou Turning Basin                                           | <u>86,000</u>               | 47,800                  | <u>3,350</u>                | 700                              | 0.6                         | < 50                     | <u>110</u>               |
| M-71a-2S                              | Channel to Port Lavaca nr. sta 170+00                              | <u>81,000</u>               | 33,700                  | <u>2,250</u>                | 159                              | <u>1.12</u>                 | < 50                     | <u>70</u>                |
| M-71a-3S                              | Channel to Port Lavaca nr. sta. 86+00                              | <u>74,000</u>               | 36,200                  | <u>2,720</u>                | 140                              | <u>1.43</u>                 | < 50                     | <u>70</u>                |
| M-71a-4S                              | Port Lavaca Harbor of Refuge-Intersection of E-W Basin & N-S Basin | <u>88,000</u>               | 25,300                  | <u>1,910</u>                | 86                               | .22                         | < 50                     | <u>60</u>                |

\* Samples were obtained on 23 and 24 Aug 1971

\*\*EPA criteria listed in this table are in tentative status at this time. A joint task force of the Corps of Engineers and EPA is currently developing guidelines and criteria for disposal of dredged material.