

APPENDIX B
CHECKLIST FOR REQUIRED STUDIES

The development of a dredging project involves the study and evaluation of many factors to assure that dredging and disposal is carried out in an efficient, economical, and environmentally compatible manner. The following are some of the factors that should be considered in the planning and design phase:

- a. Analysis of dredging locations and quantities.
- b. Dredging environment; i.e., depths, waves, currents, distance to potential disposal area, etc.
- c. Evaluation of physical, chemical, and biological characteristics of sediments to be dredged.
- d. Identification of social, environmental, and institutional factors.
- e. Evaluation of dredge plant requirements.
- f. Evaluation of potential disposal alternatives.
- g. Hydrographic surveys of proposed project.
- h. Field investigations of sediments to be dredged.
- i. Performance of required laboratory tests; i.e., chemical characterization, sedimentation, engineering properties, bioassay, bioaccumulation, etc.
- j. Evaluation of in situ density of sediments to be dredged.
- k. Evaluation of long-term dredging and disposal requirements for project.
- l. Coordination of project plans with engineering, construction-operation, and planning elements of District.
- m. Evaluation of potential productive uses of dredged material.
- n. Coordination of project plans with other agencies, public, and private groups.
- o. Evaluation of proposed project to determine potential environmental impact.