

APPENDIX X

Outline for UNOLS-Fleet Improvement Plan 1998

Executive Summary

I. Background

- A. FIC
- B. Purpose and objectives of update
- C. UNOLS Fleet
- D. Utilization and cost trends
- E. Support trends

II. Trends in Oceanography and Facility Needs

- A. Coastal Oceanography
- B. Polar Oceanography
- C. Physical Oceanography
- D. Biological Oceanography
- E. Chemical Oceanography
- F. Marine Geology and Geophysics
- G. Marine Meteorology
- H. Ocean Acoustics and Optics
 - I. Global Oceanography
 - J. Fisheries Oceanography
- K. Impact of new technologies
- L. Agency science plans for big and small science programs
- M. R/V needs for the next five-to-ten years AND beyond
- N. Etc.

III. Trends and Issues Regarding the UNOLS Fleet

- A. Future funding
- B. Future costs
- C. R/V retirement projections
- D. New construction priorities
- E. Interagency cooperation & support
- F. Regional distribution
- G. Modes of operation
- H. Special platforms
 - I. Deep submersibles
 - J. ROVs, AUVs, etc.
- K. Real-time data acquisition and dissemination
- L. Needed technology upgrades
- M. Etc.

IV. Findings and Recommendations

Appendix I: CZRV analysis, etc. (not available)

Appendix II: Regional consortia (not available)

Appendix III: Others (not available)