FIGURES

Figure 1. Map of seagrass study area in Texas Coastal Bend region.



Figure 2. Seagrass distribution in 1988 in upper Laguna Madre. From Quammen and Onug (1993).





Figure 3. Water level changes at Galveston Pier 21 and Port Isabel tide gauges. The drop in water levels in the mid-1950s reflects the severe drought during that period. Tide gauge data from Lyles et al. (1988) and NOAA.



Figure 4. Mean annual streamflow of the Nueces River at Mathis. Data from Texas Water Development Board and U.S. Geological Survey.



Figure 5. Mean annual streamflow of the Mission River at Refugio. Data from U.S. Geological Survey.



Figure 6. Mean annual streamflow of the Aransas River at Skidmore. Data from U.S. Geological Survey.



Figure 7. Index of wetter than normal and drier than normal periods in South Texas including the Corpus Christi Bay system. From Riggio et al. (1987).



Figure 8. Rates of sea level rise for two periods at the Rockport tide gauge. Tide gauge data from NOAA.



Figure 9. Shoreline station locations and changes in shoreline position from 1958-1983 in the Redfish Bay area. From Paine and Morton (1993)

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Figure 10. Map showing location of USACOE dredged channels and disposal areas in Redfish/Corpus Christi Bays region.





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Figure 11. Aerial photograph taken in 1958 showing examples of interbay channels and recently deposited dredged material in south Redfish Bay.



Figure 12. Year and volume of material dredged from Redfish Bay area. From USACOE records.



Figure 13. Year and volume of material dredged from Lydia Ann Channel including extension to the GIWW in Aransas Bay. From USACOE records.



Figure 14. Year and volume of material dredged from channel to Aransas Pass. From USACOE records.

Figure 15. Wastewater discharge permit locations in Corpus Christi Bay System. From TNRCC permit records.



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Figure 16. Daily, underwater and surface, total quantum flux measurements collected at three sites in CCBNEP study area from May 1989 to September 1993. Based on continuous 1-hr integrations. From Dunton (1994).

Figure 17. Seagrass bed distribution in 1994 for Corpus Christi Bay System.



Figure 18. Seagrass bed distribution in 1994 for Aransas Bay System.



Figure 19. Seagrass bed distribution in 1994 for Copano Bay System.



Figure 20. Seagrass species distributions in 1994 for Redfish Bay/Harbor Island complex.



Figure 21. Seagrass species distribution in 1994 for San Jose Island area.



Figure 22. Seagrass species distribution in 1994 for Mustang Island area.



Figure 23. Seagrass distribution in 1958 for Redfish Bay/Harbor Island complex.



Figure 24. Seagrass distribution in 1975 for Redfish Bay/Harbor Island complex.



Figure 25. Seagrass distribution in 1994 for Redfish Bay/Harbor Island complex.

