Appendix E

Figures 5-1

Through

Figures 5-36

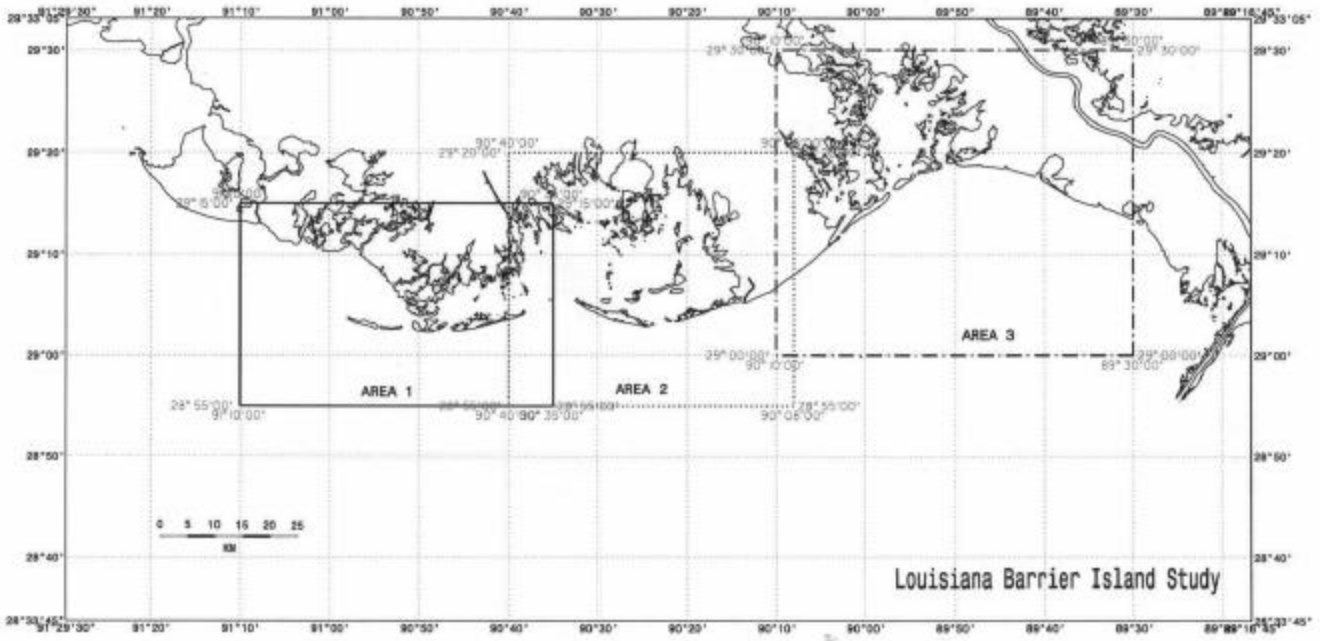


Figure 5-1. Base Map of Phase I Study Area, Louisiana Barrier Island Study

Figure 5-2. Simulated Wave Height for the Present Scenario During Fair Weather Wave Conditons - Area 1

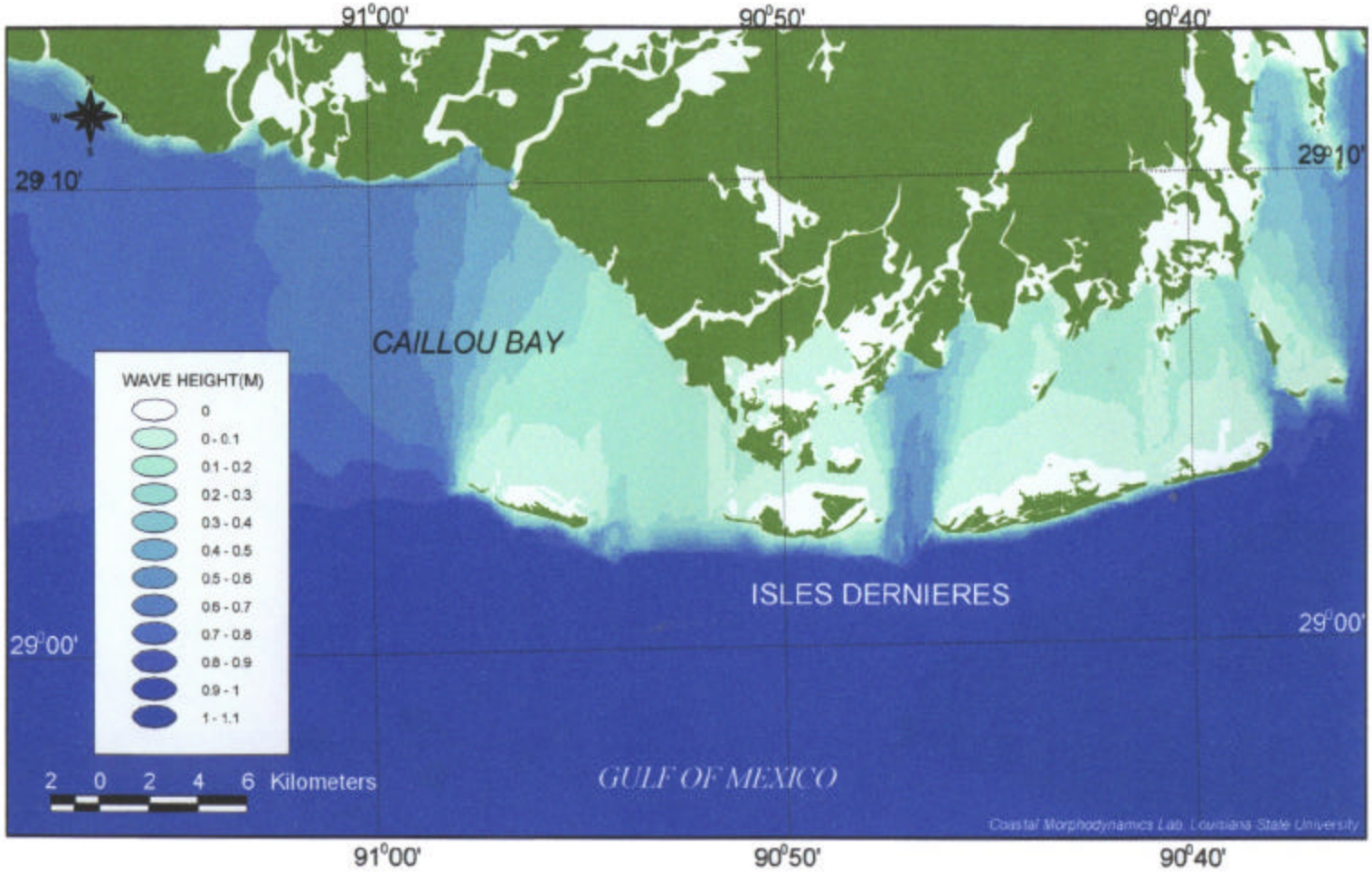


Figure 5-3. Predicted Wave Height for the 30-Year Projection During Fair Weather Conditions - Area 1

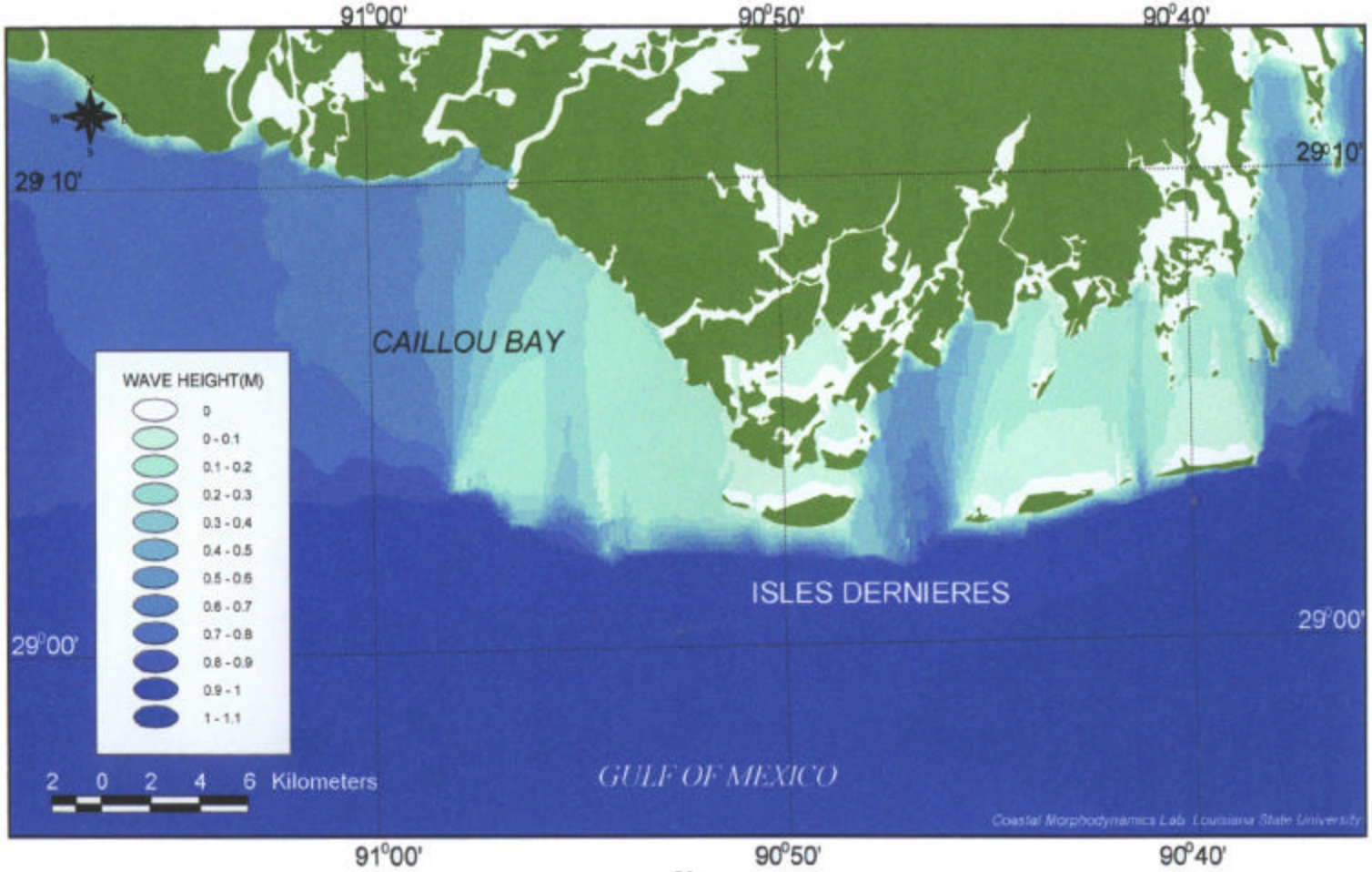


Figure 5-4. Predicted Wave Height for the 100-Year Projection During Fair Weather Wave Conditions - Area 1

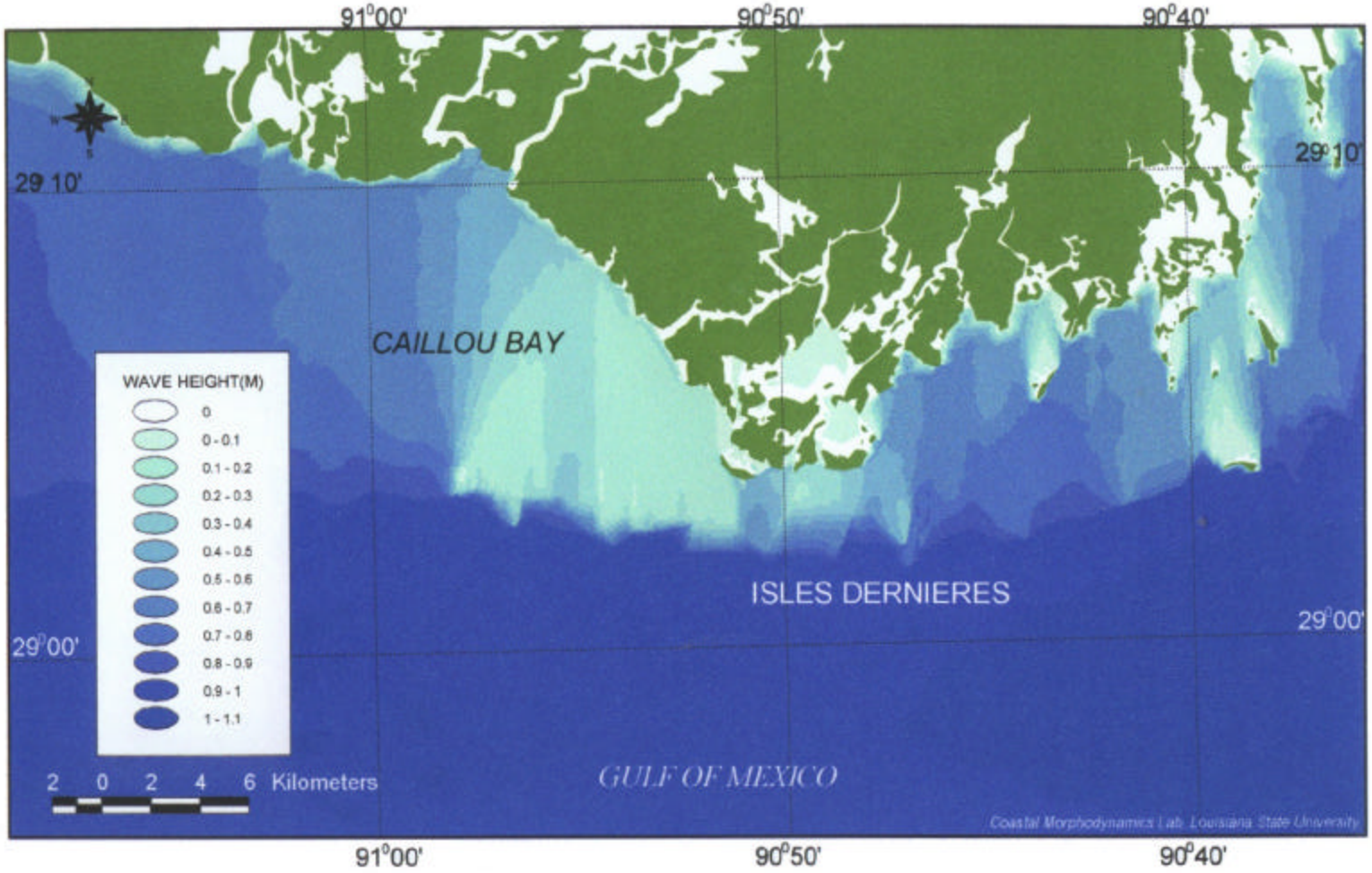


Figure 5-5. Predicted Change in Wave Height for the 30-Year Projection in the Event of Barrier Island Erosion For Fair Weather Wave Conditions - Area 1

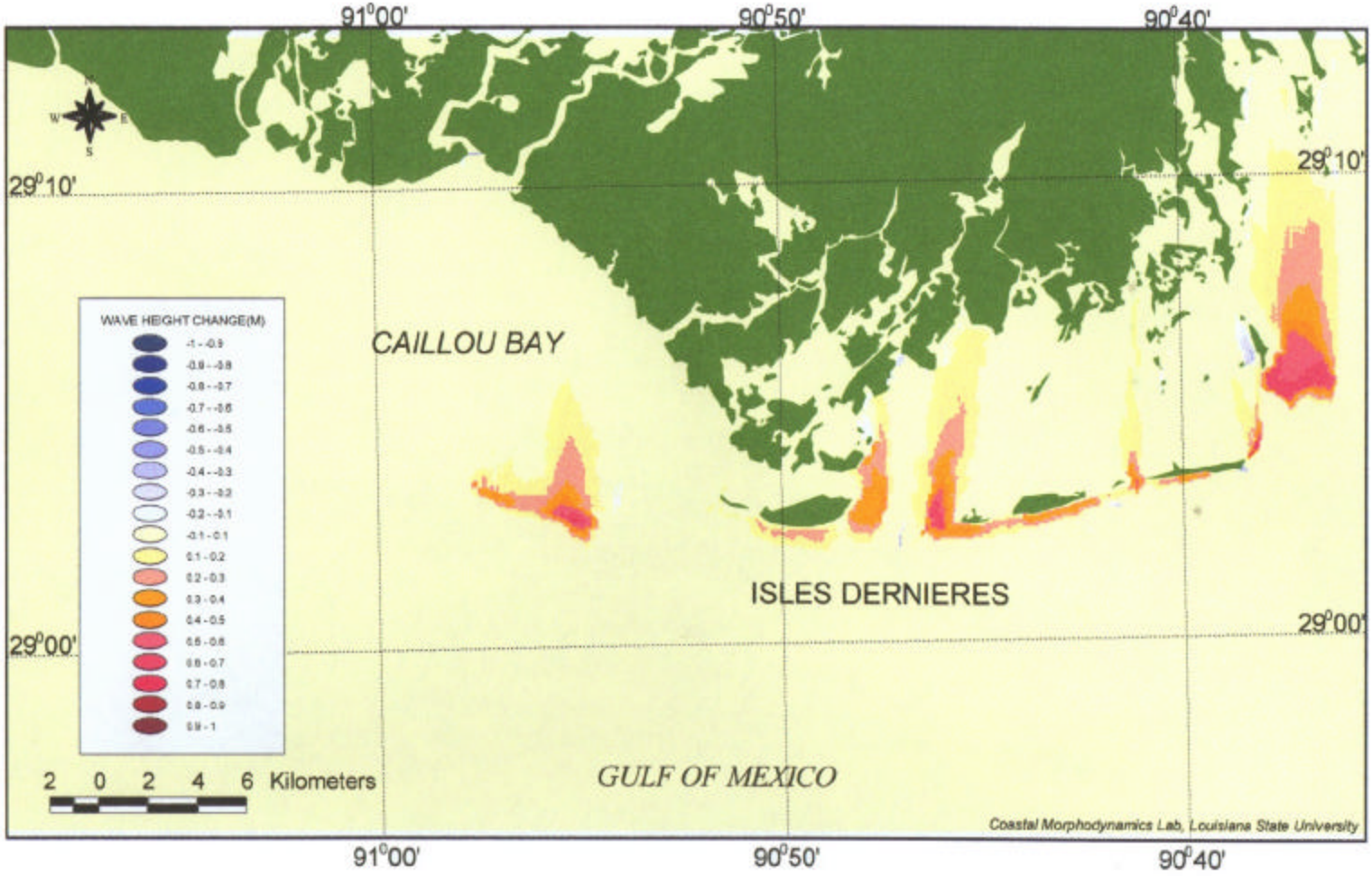


Figure 5-6. Predicted Increase in Wave Heights for the 100-Year Projection in the Event of Barrier Island Erosion For Fair Weather Wave Conditions - Area 1

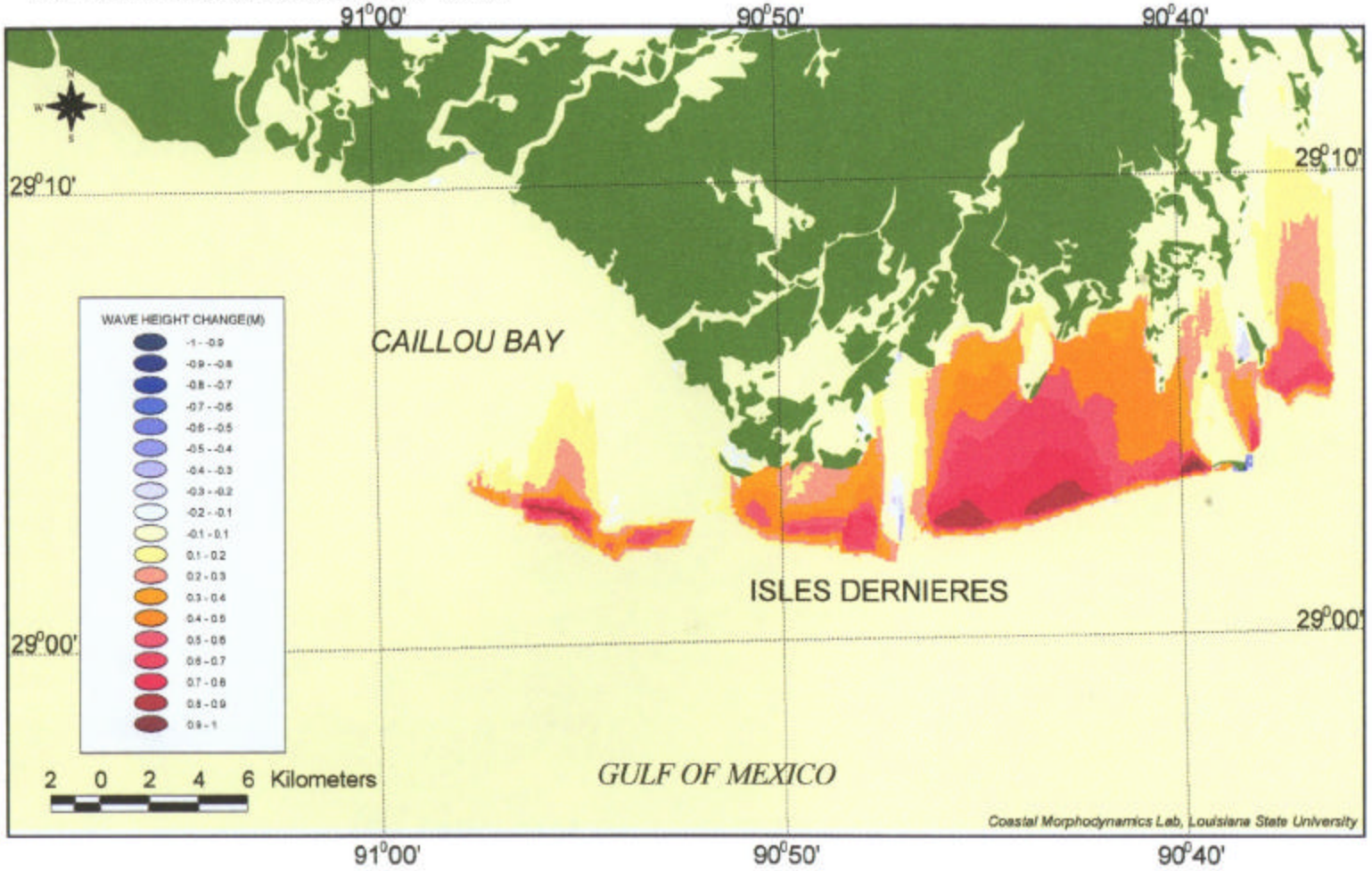


Figure 5-7. Simulated Wave Height for the Present Scenario During Fair Weather Wave Conditions - Area 2

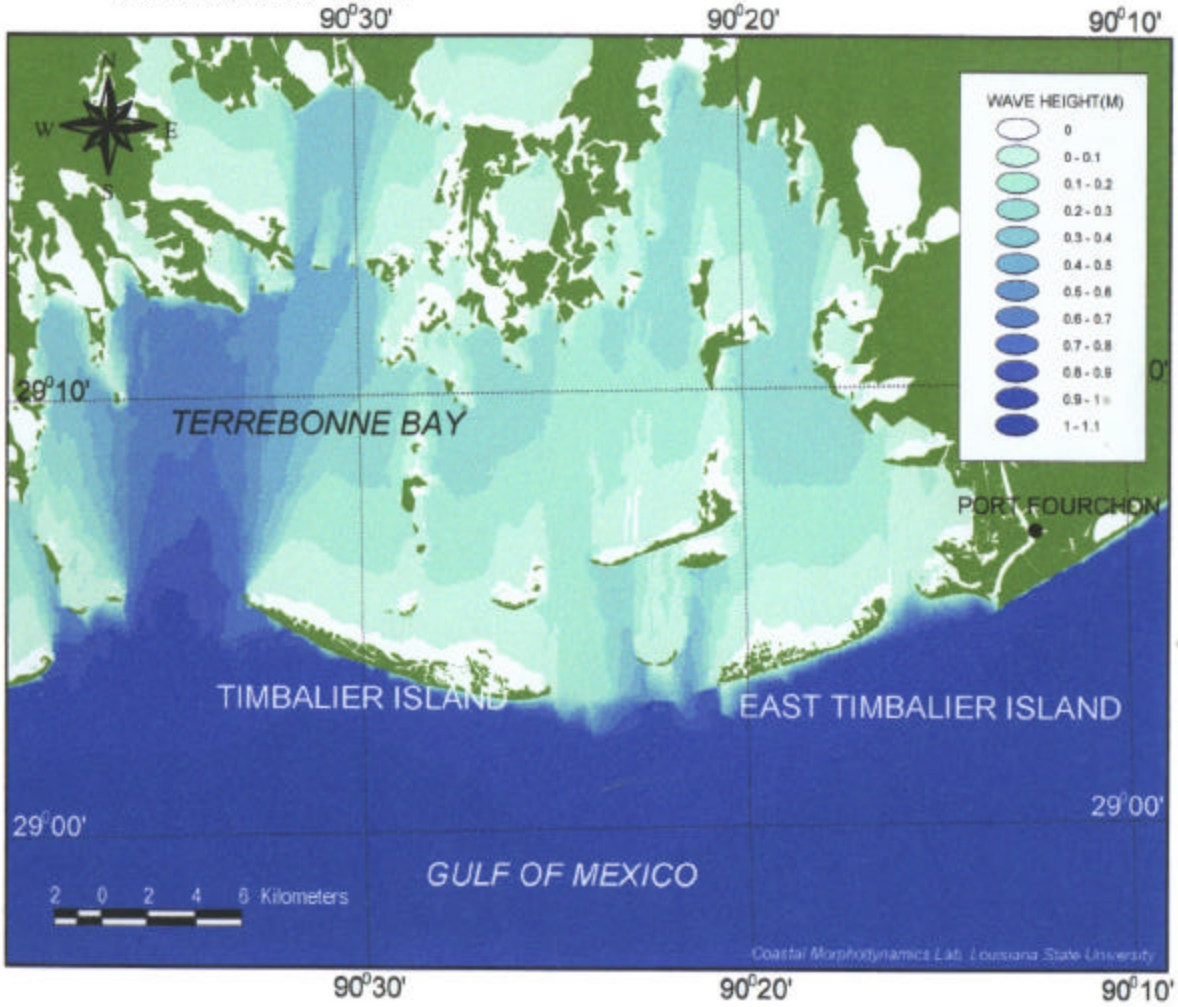


Figure 5-8. Predicted Wave Height for the 30-Year Projection During Fair Weather Wave Conditions - Area 2

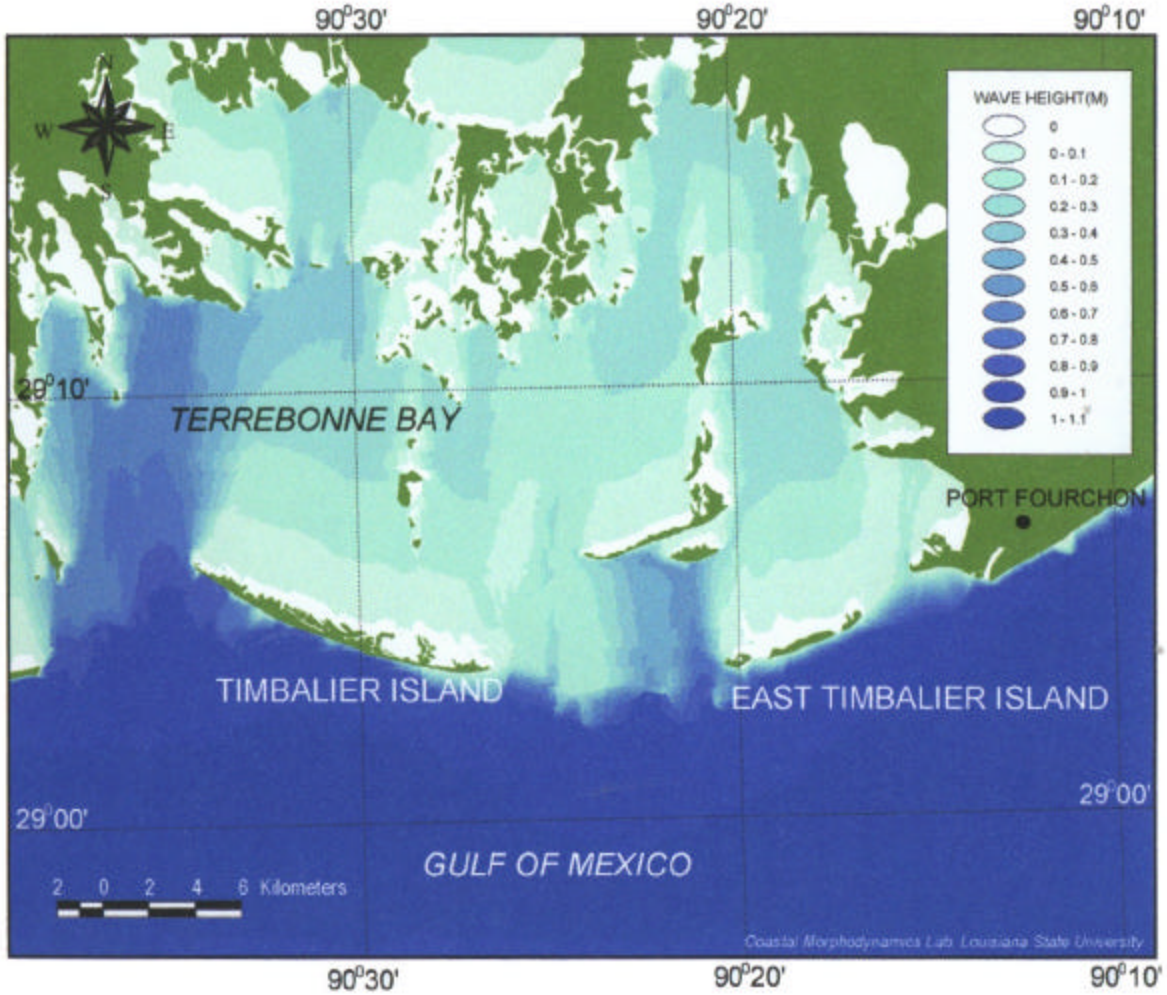


Figure 5-9. Predicted Wave Height for the 100-Year Projection During Fair Weather Wave Conditions - Area 2

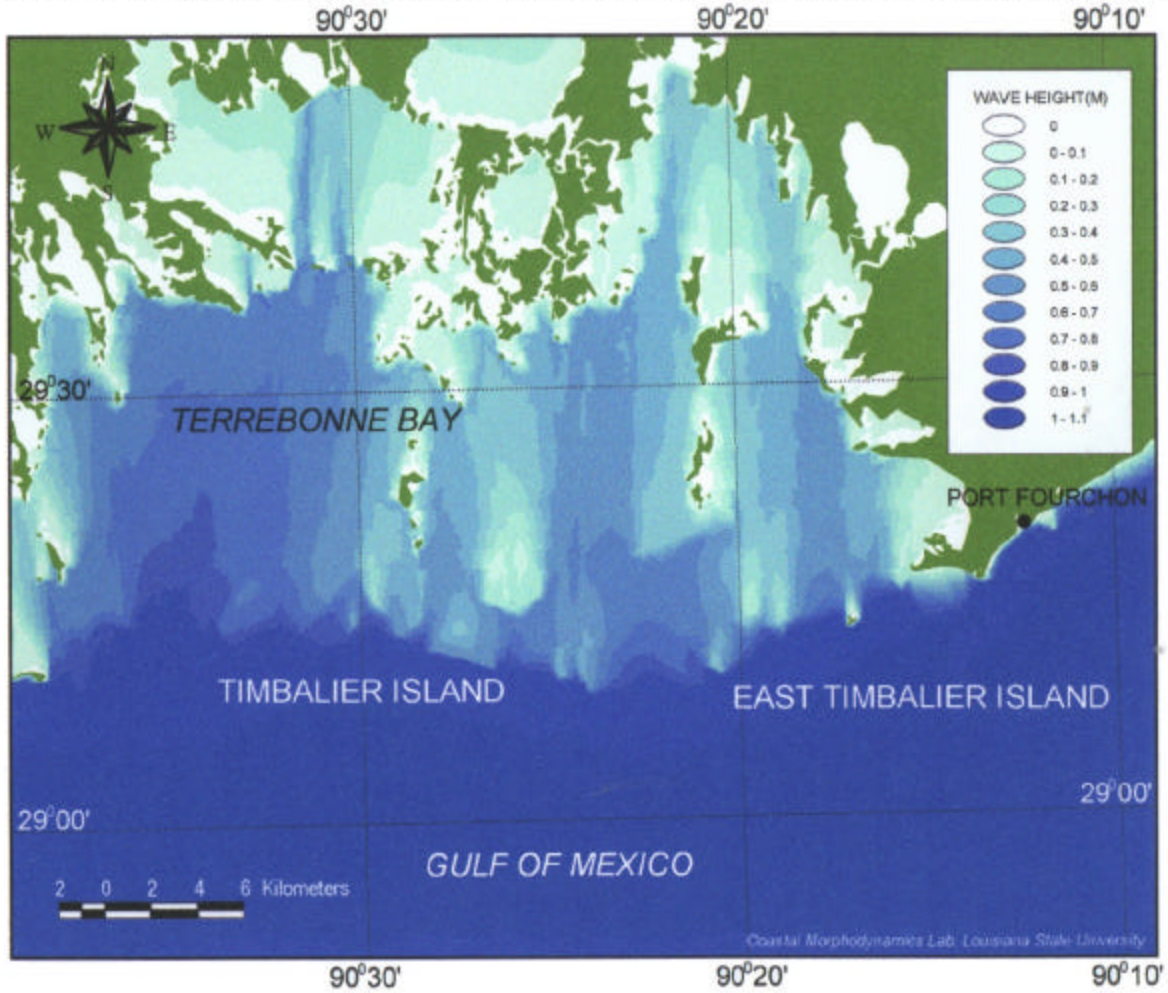


Figure 5-10. Predicted Change in Wave Height for the 30-Year Projection in the Event of Barrier Island Erosion for Fair Weather Wave Conditions - Area 2

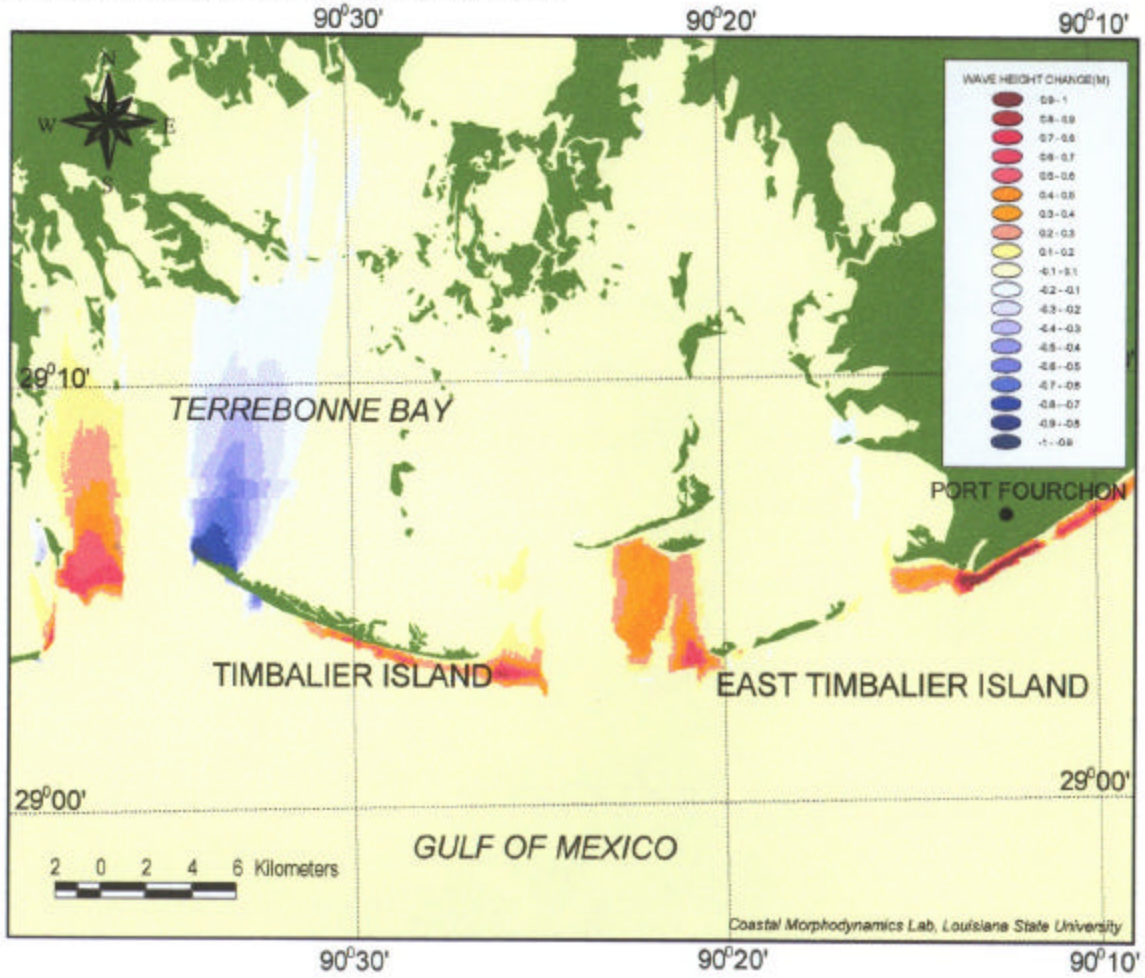


Figure 5-11. Predicted Change in Wave Height for the 100-Year Projection in the Event of Barrier Island Erosion for Fair Weather Wave Conditions - Area 2

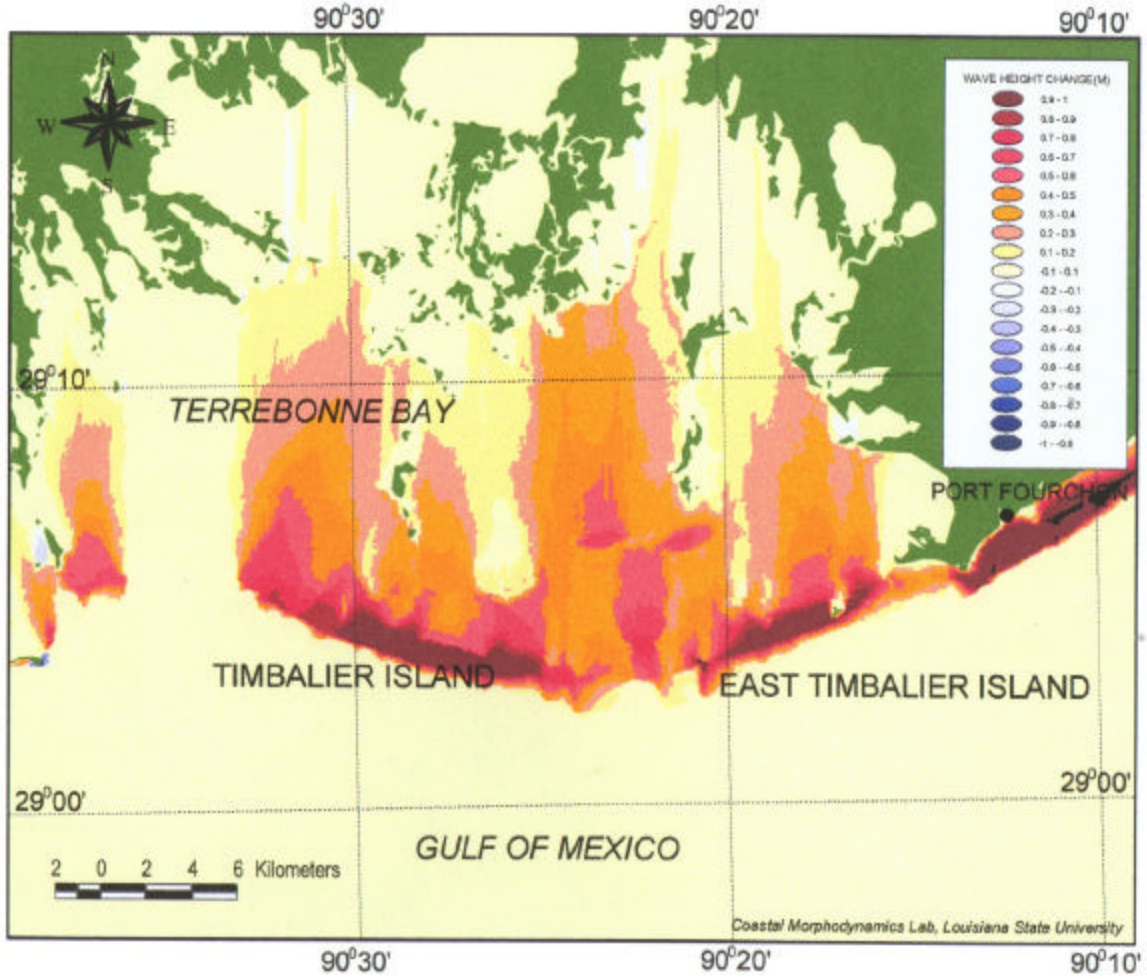


Figure 5-12. Simulated Wave Height for the Present Scenario During Fair Weather Wave Conditions - Area 3

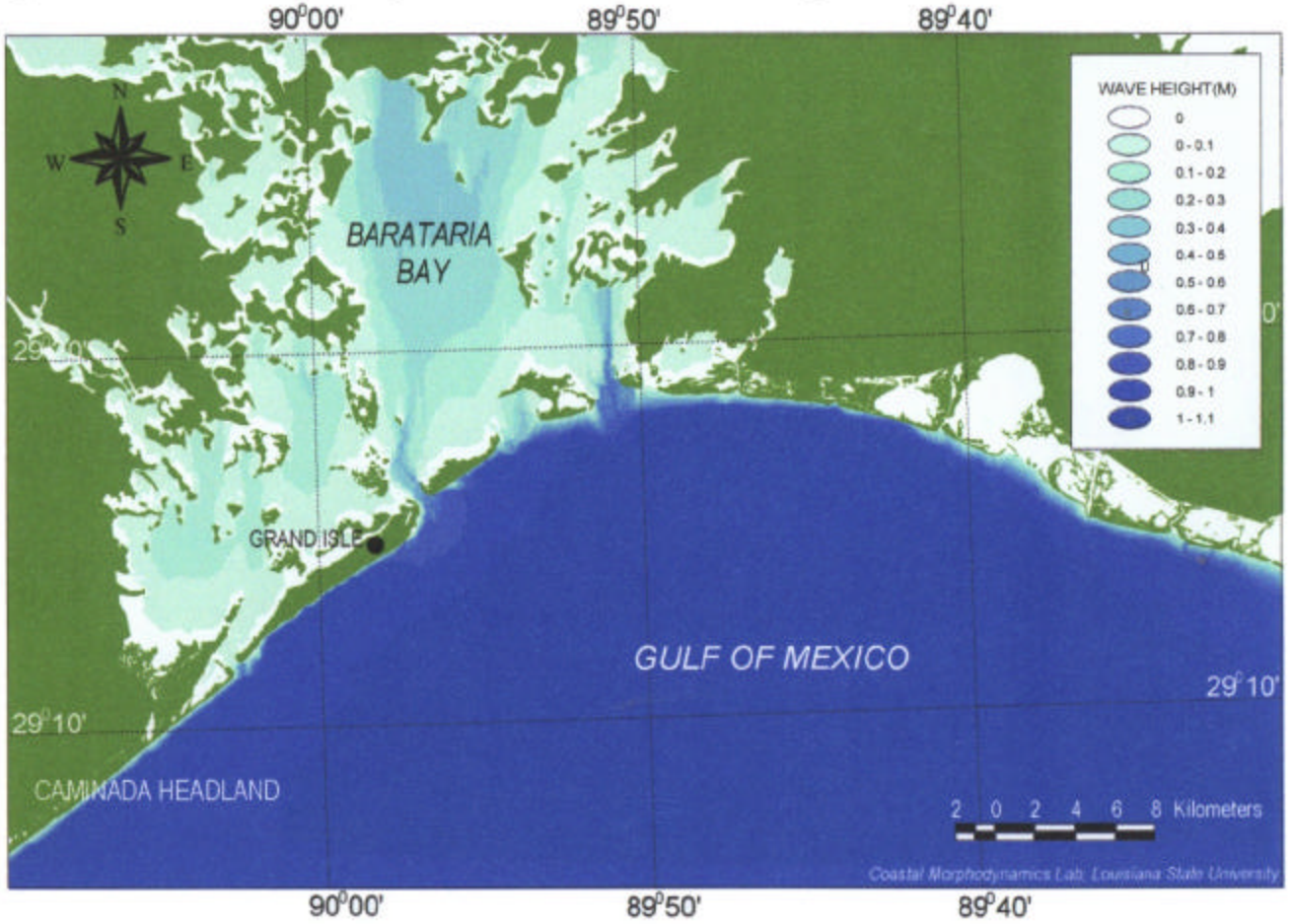


Figure 5-13. Predicted Wave Height for the 30-Year Projection During Fair Weather Wave Conditions - Area 3

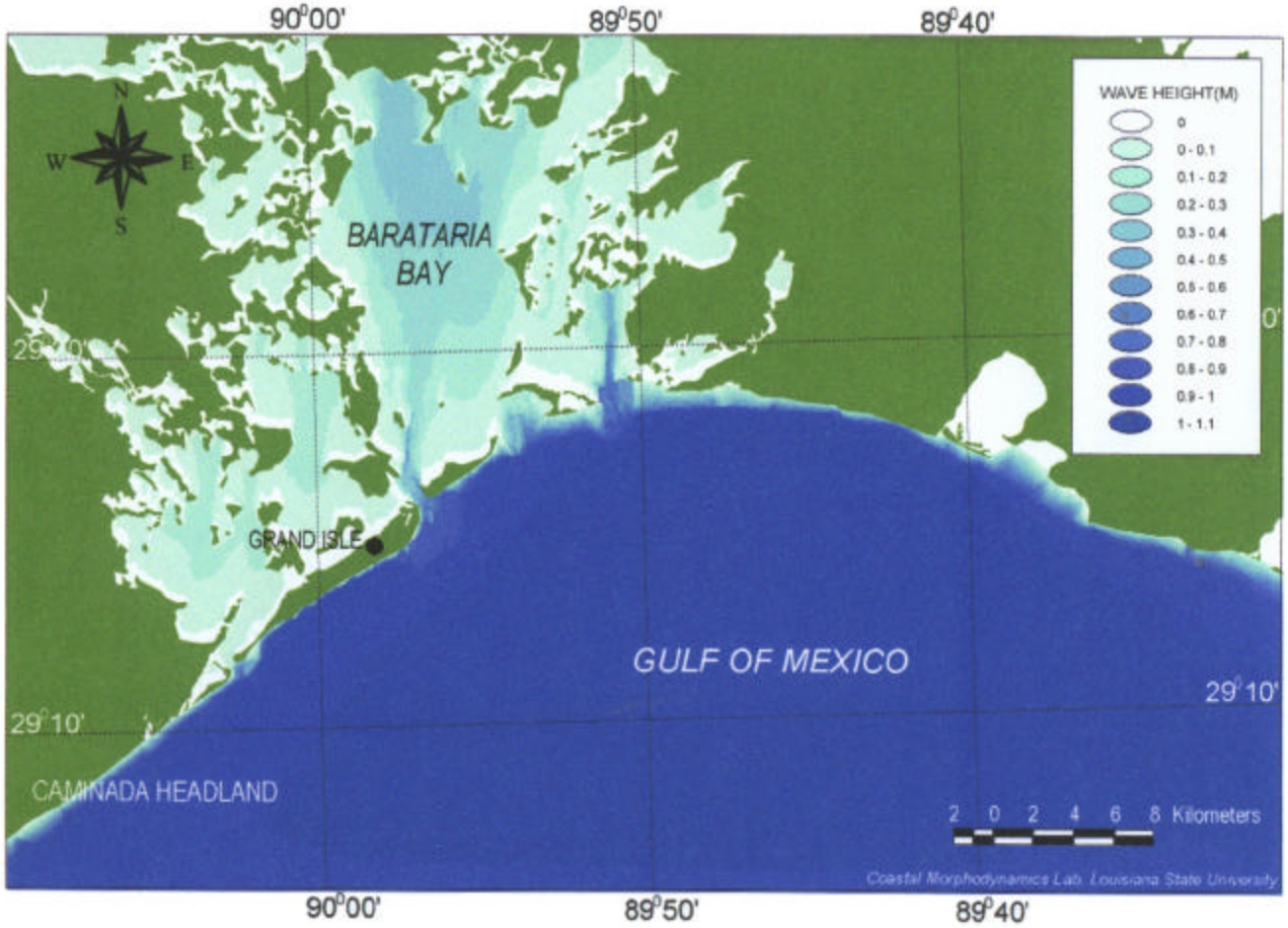


Figure 5-14. Predicted Wave Height for the 100-Year Projection During Fair Weather Wave Conditions - Area 3

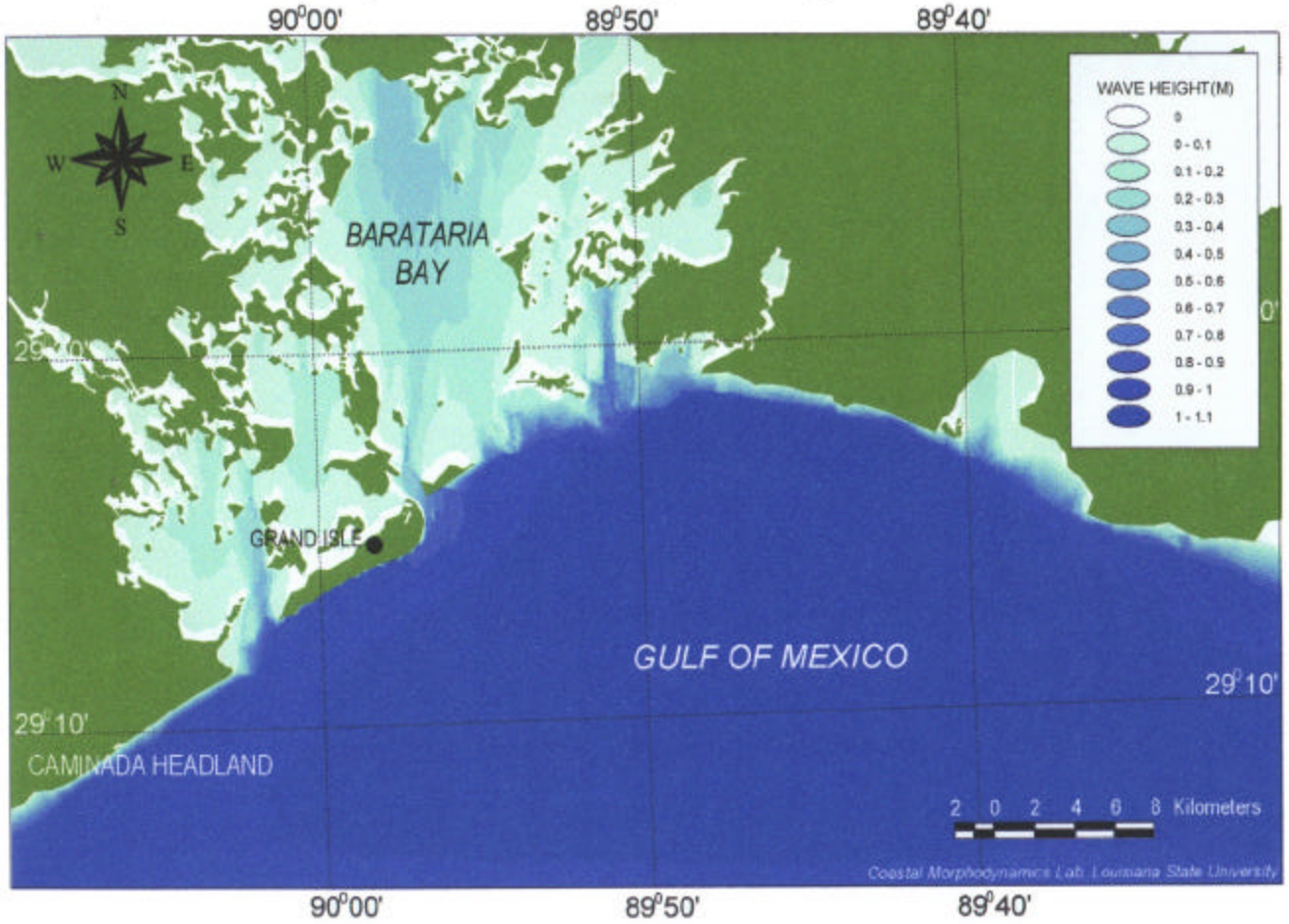


Figure 5-15. Predicted Change in Wave Height for the 30-Year Projection in the Event of Barrier Island Erosion for Fair Weather Wave Conditions - Area 3

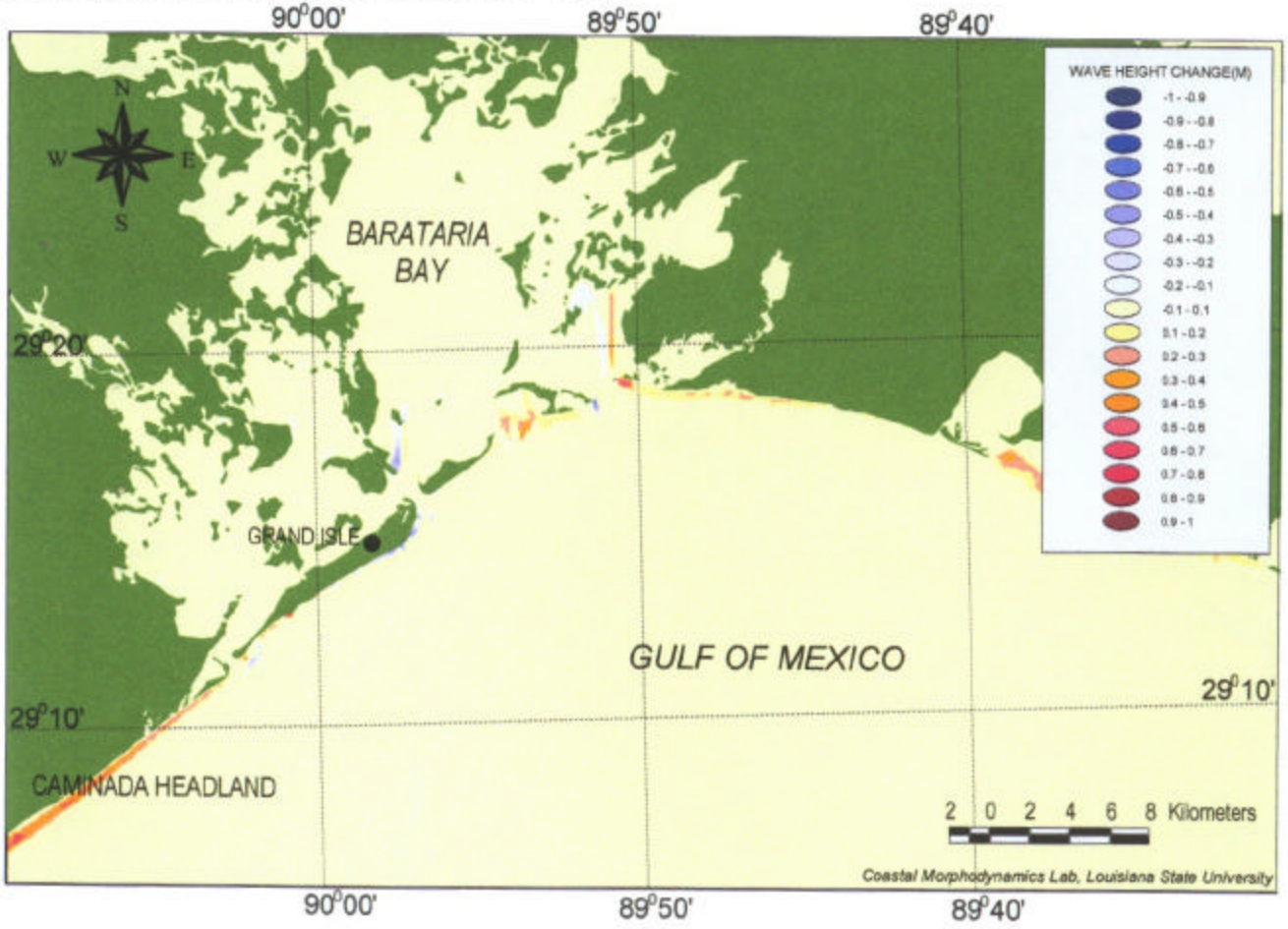


Figure 5-16. Predicted Change in Wave Height for the 100-Year Projection in the Event of Barrier Island Erosion for Fair Weather Wave Conditions - Area 3

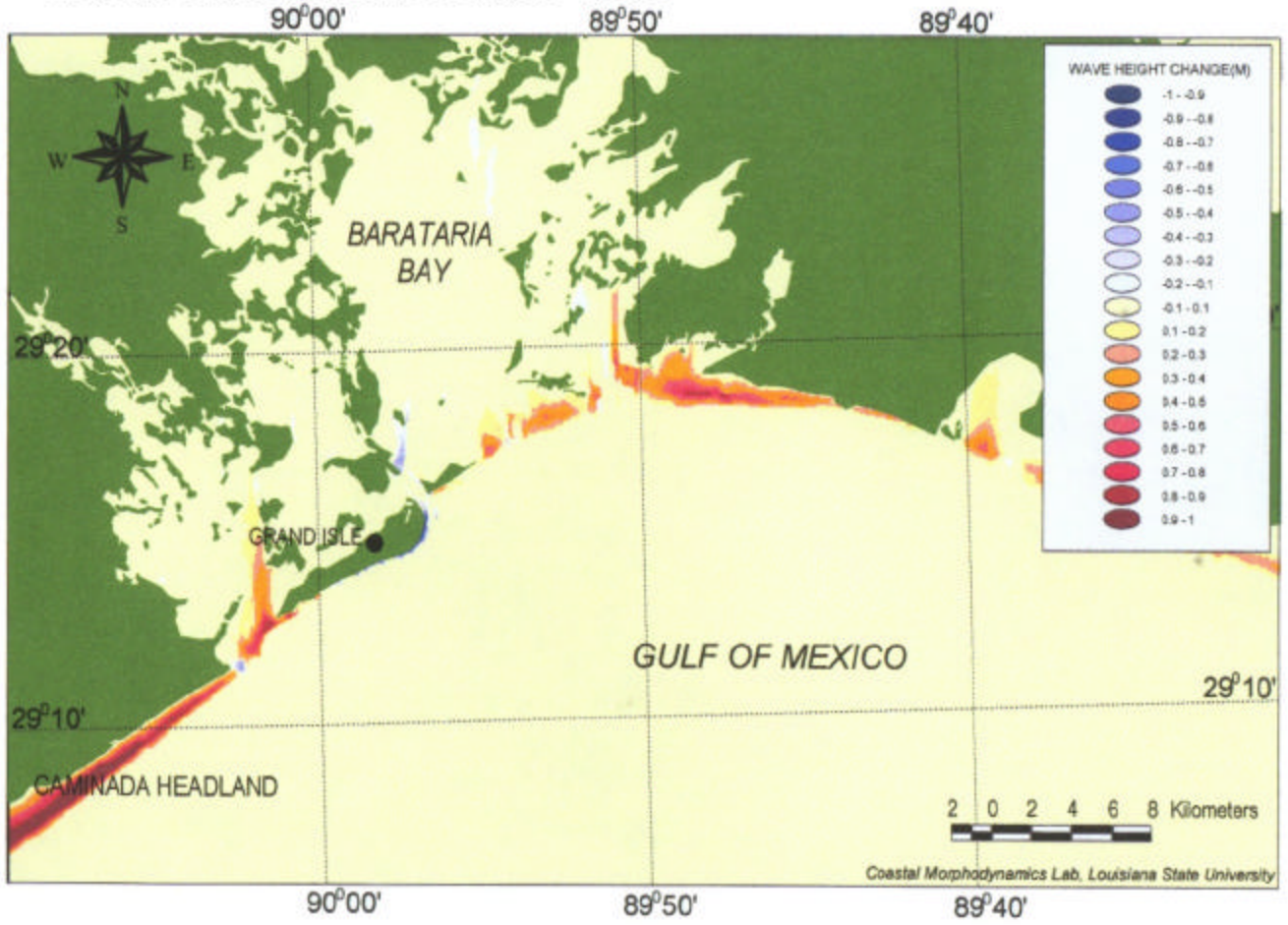


Figure 5-17. LA Barrier Island Study, Hs=6 m, Tp=11 sec., Vw=20 m/s

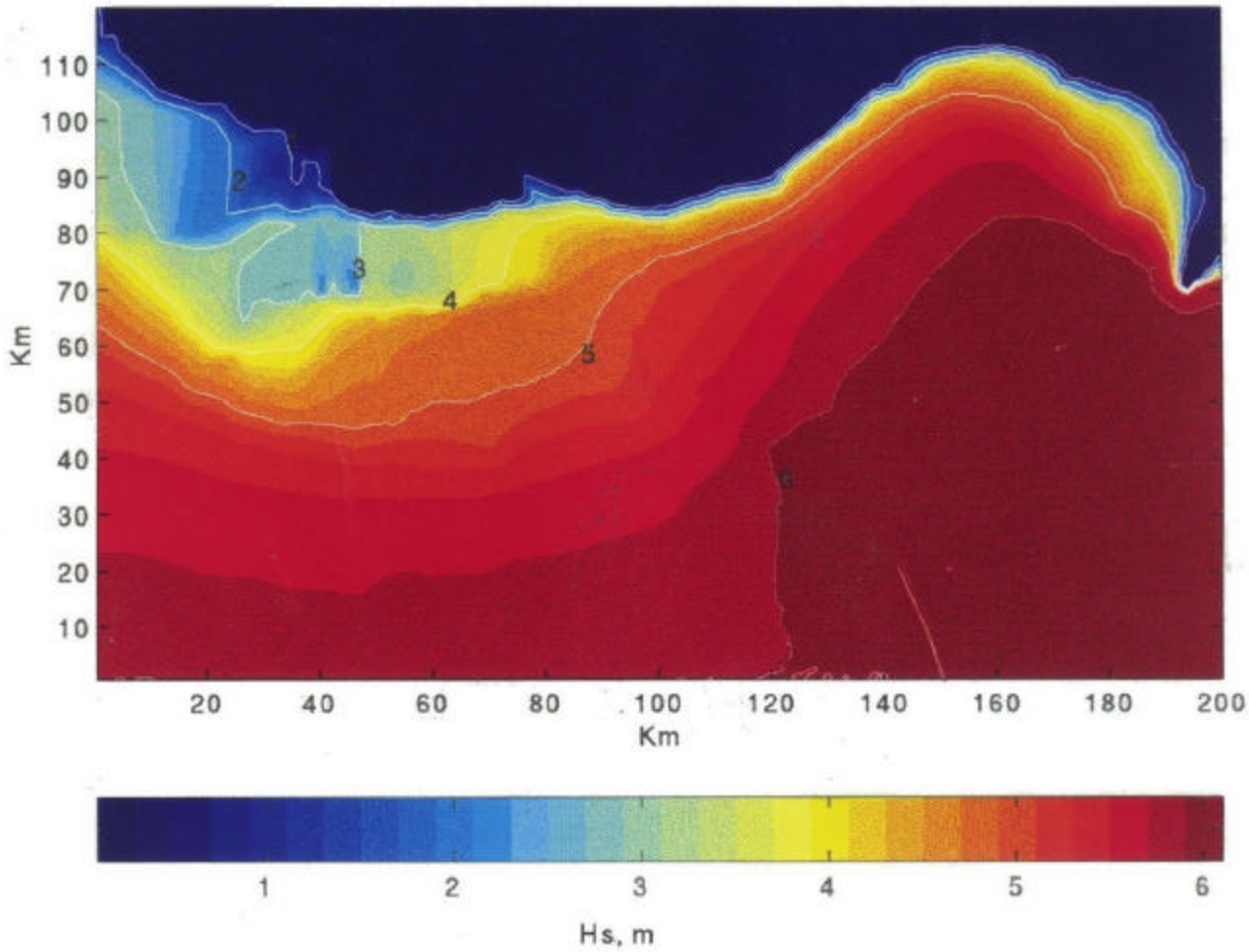


Figure 5-18. LA Barrier Island Study, Area 1, Present, HOs=6 m, Tp=11 sec., Vwind=20 m/s

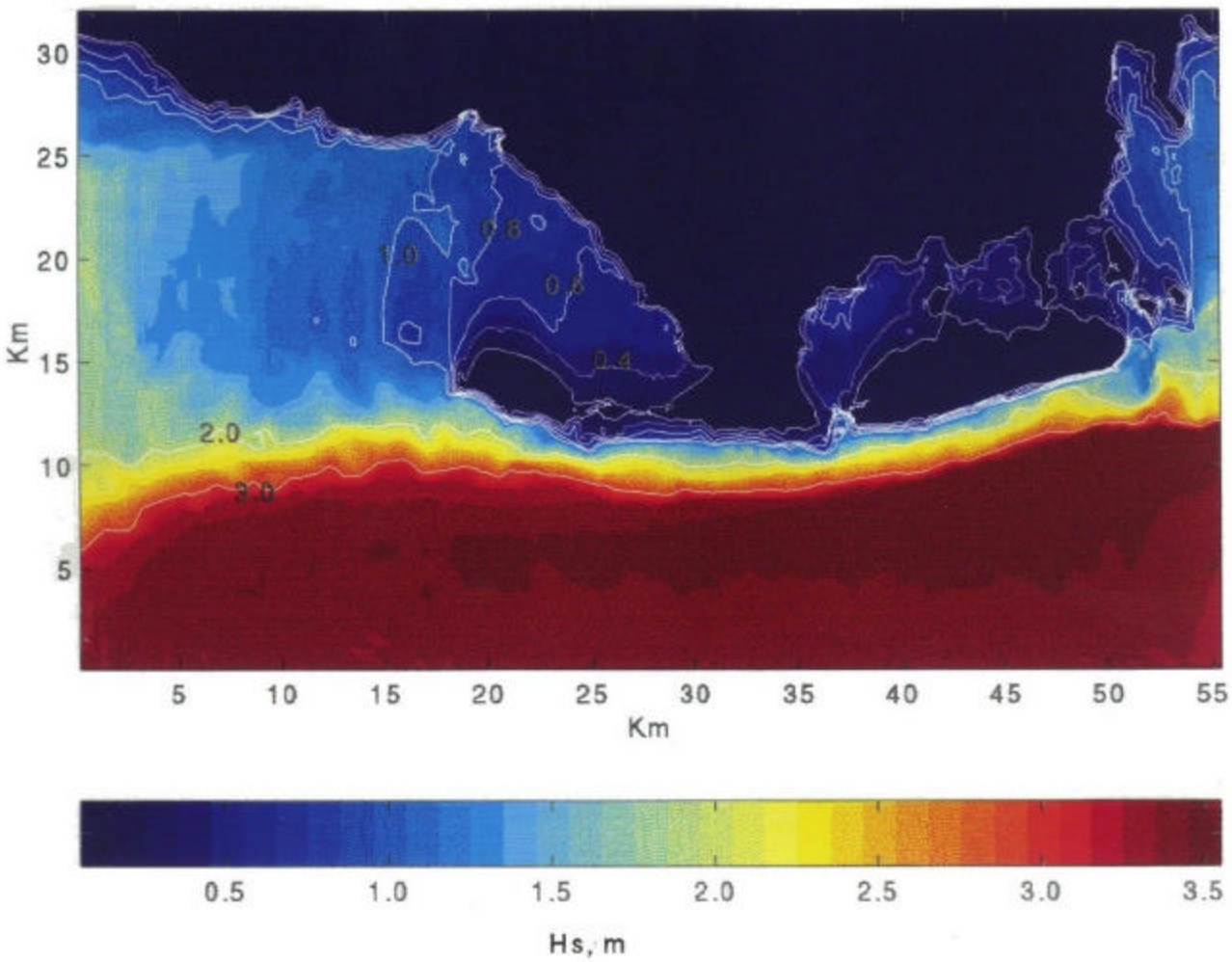


Figure 5-19. LA Barrier Island Study, Area 1, 30-Year, HOs=6 m, Tp=11 sec., Vwind=20 m/s

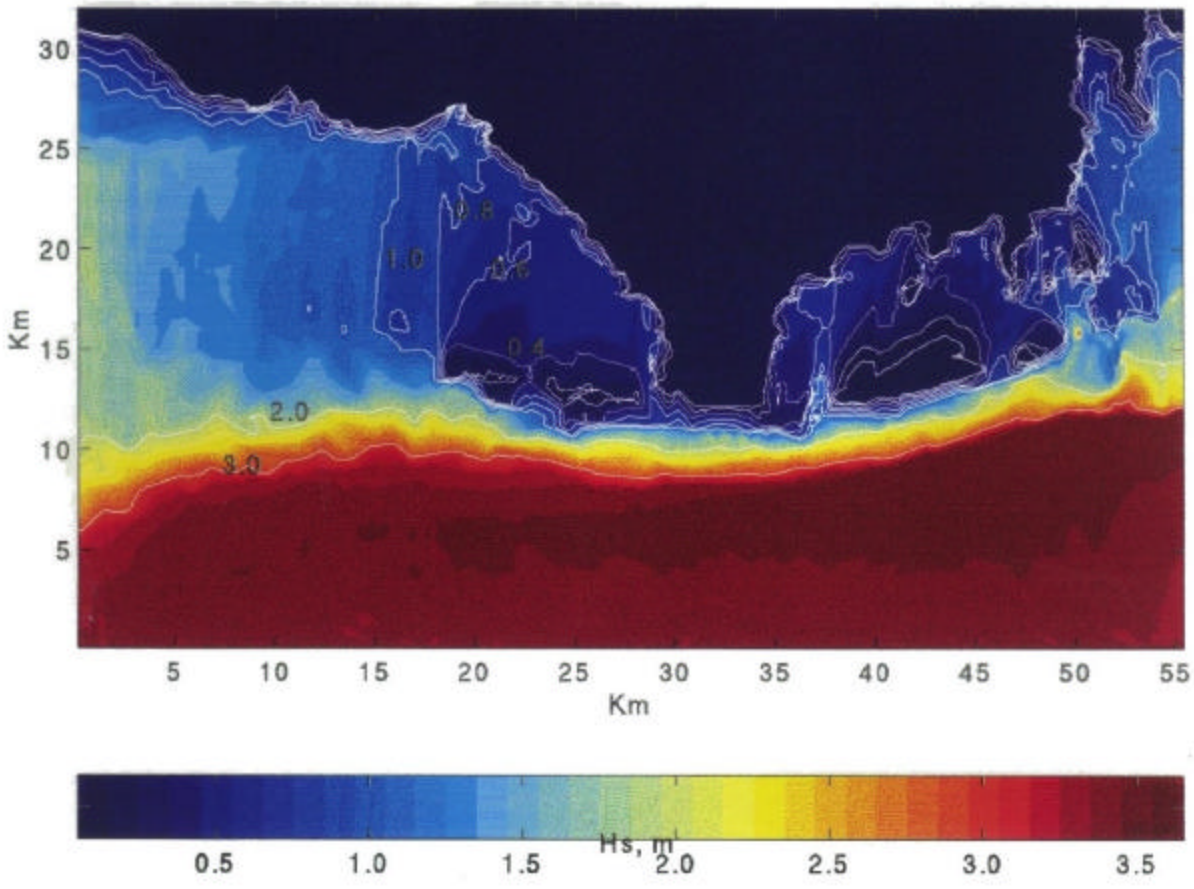


Figure 5-20. LA Barrier Island Study, Area 1, 100-Year, HOs=6 m, Tp=11 sec., Vwind=20 m/s

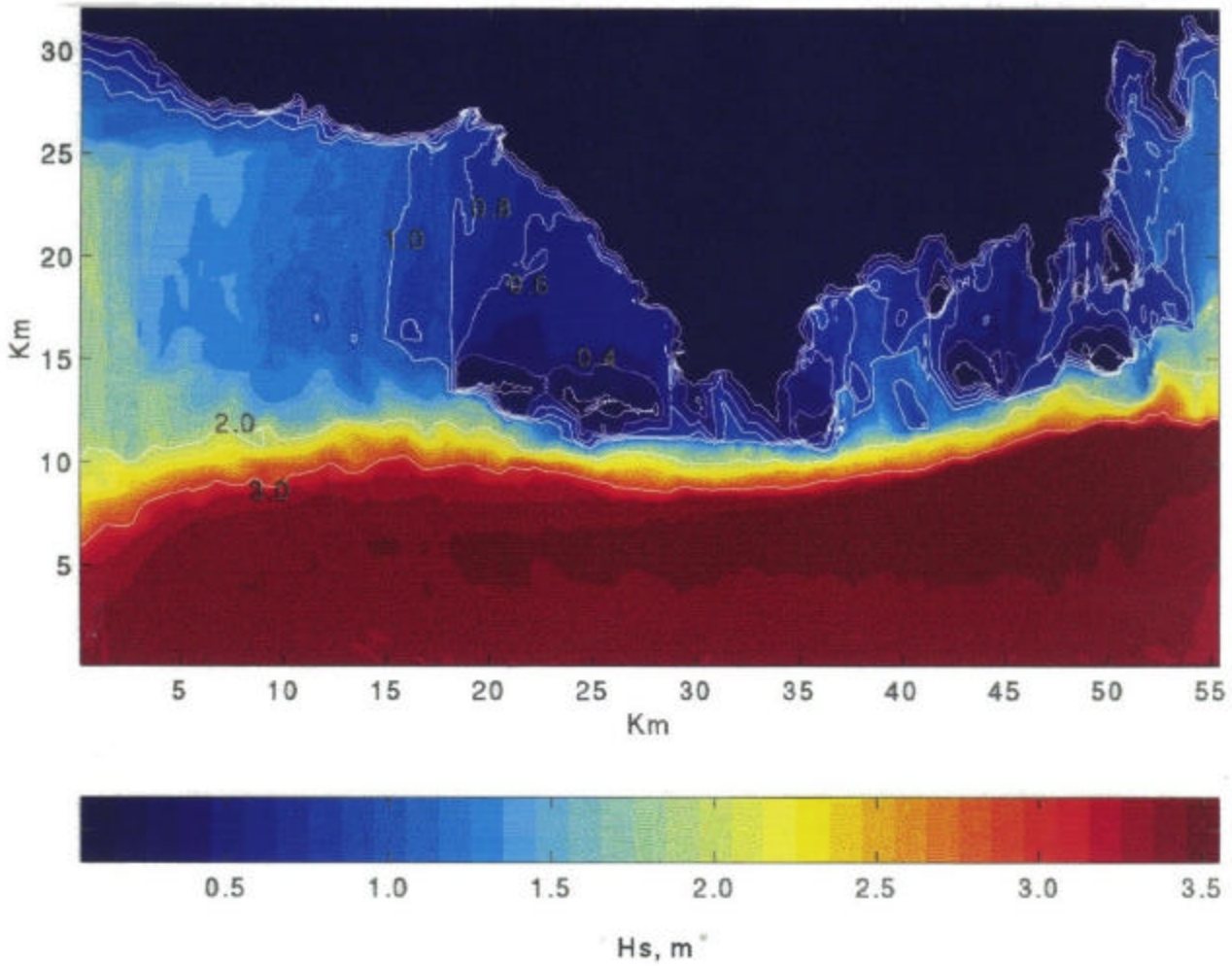


Figure 5-21. LA Barrier Island Study, Area 1, HOs=6 m, Hs Change, Present - 30-Year

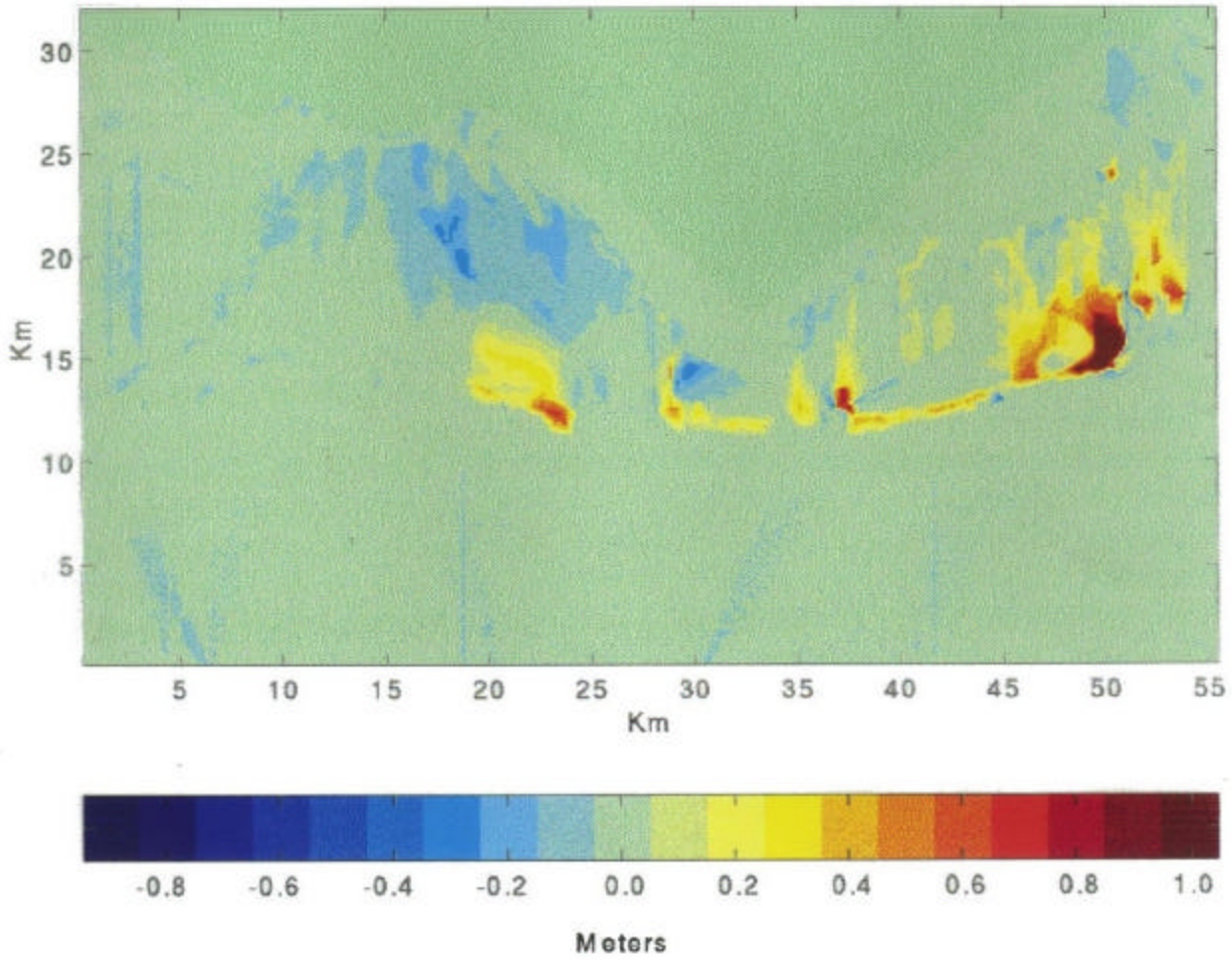


Figure 5-22. LA Barrier Island Study, Area 1, HOs=6 m, Hs Change, Present - 100-Year

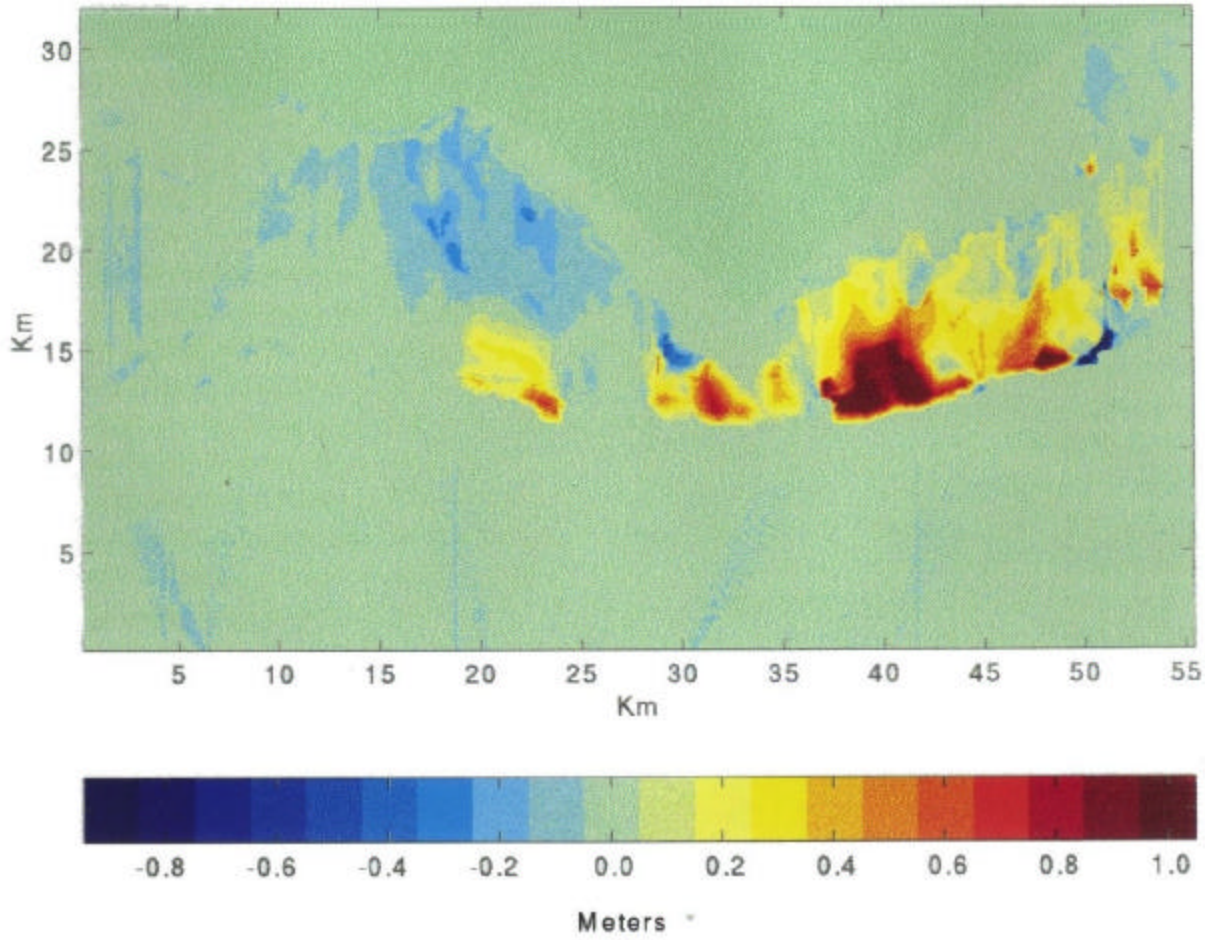


Figure 5-23. LA Barrier Island Study, Area 2, Present, HOs=6 m, Tp=11 sec., Vwind=20 m/s

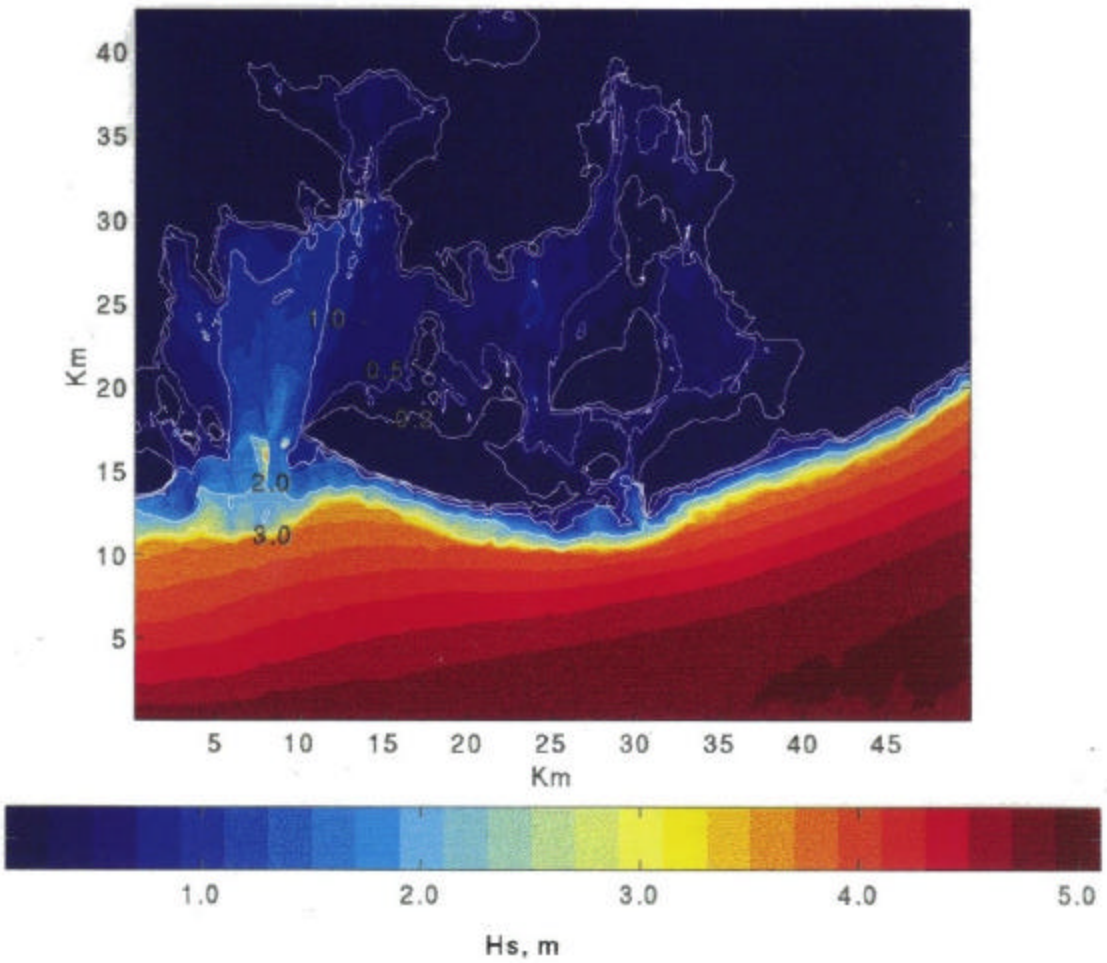


Figure 5-24. LA Barrier Island Study, Area 2, 30-Year, HOs=6 m, Tp=11 sec., Vwind=20 m/s

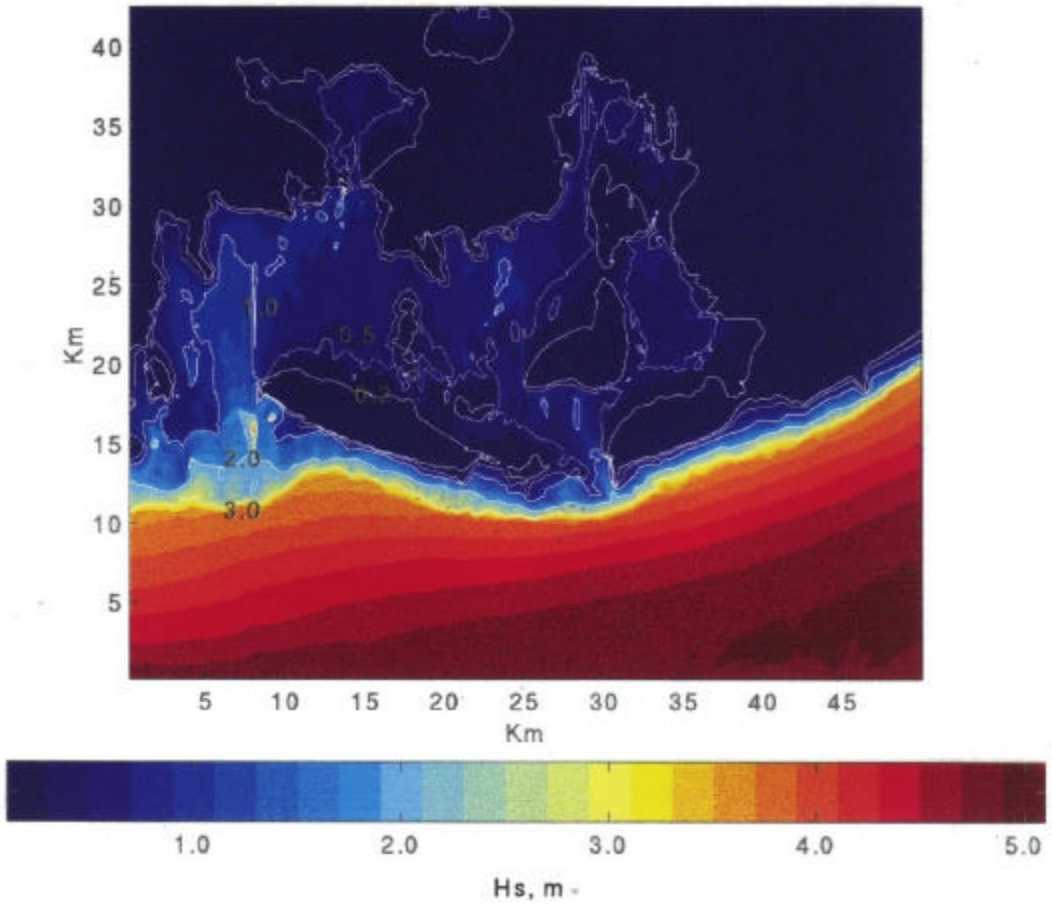


Figure 5-25. LA Barrier Island Study, Area 2, 100-Year, HOs=6 m, Tp=11 sec., Vwind=20 m/s

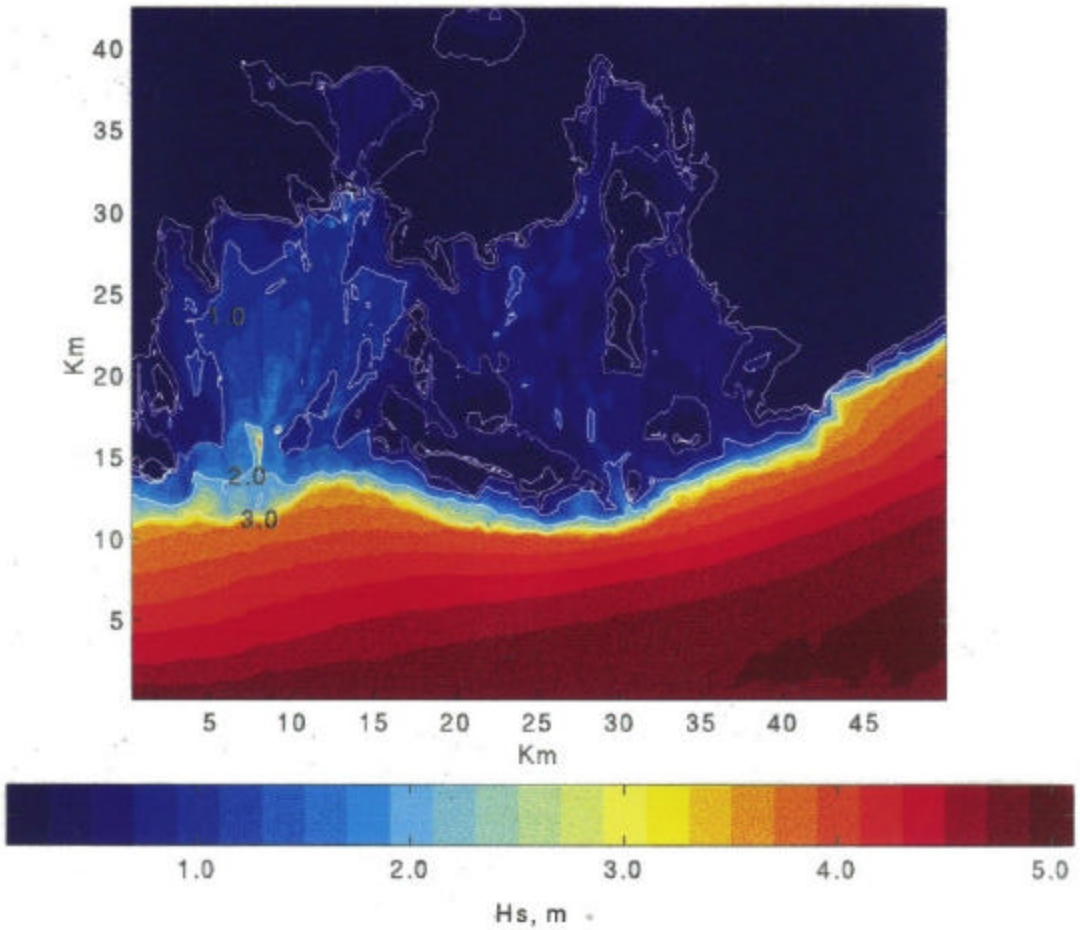


Figure 5-26. LA Barrier Island Study, Area 2, HOs=6 m, Hs Change, Present - 30-Year

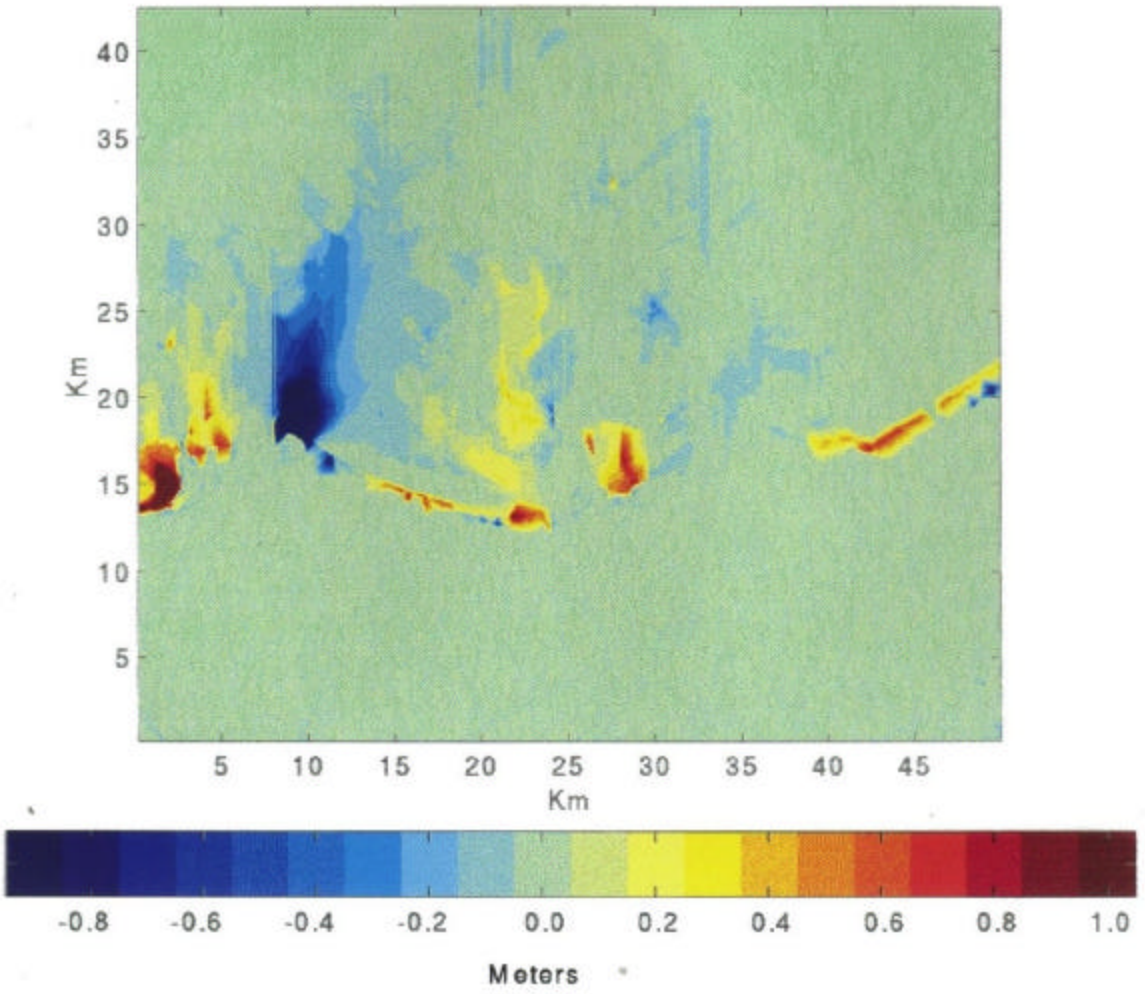


Figure 5-27. LA Barrier Island Study, Area 2, HOs=6 m, Hs Change, Present - 100-Year

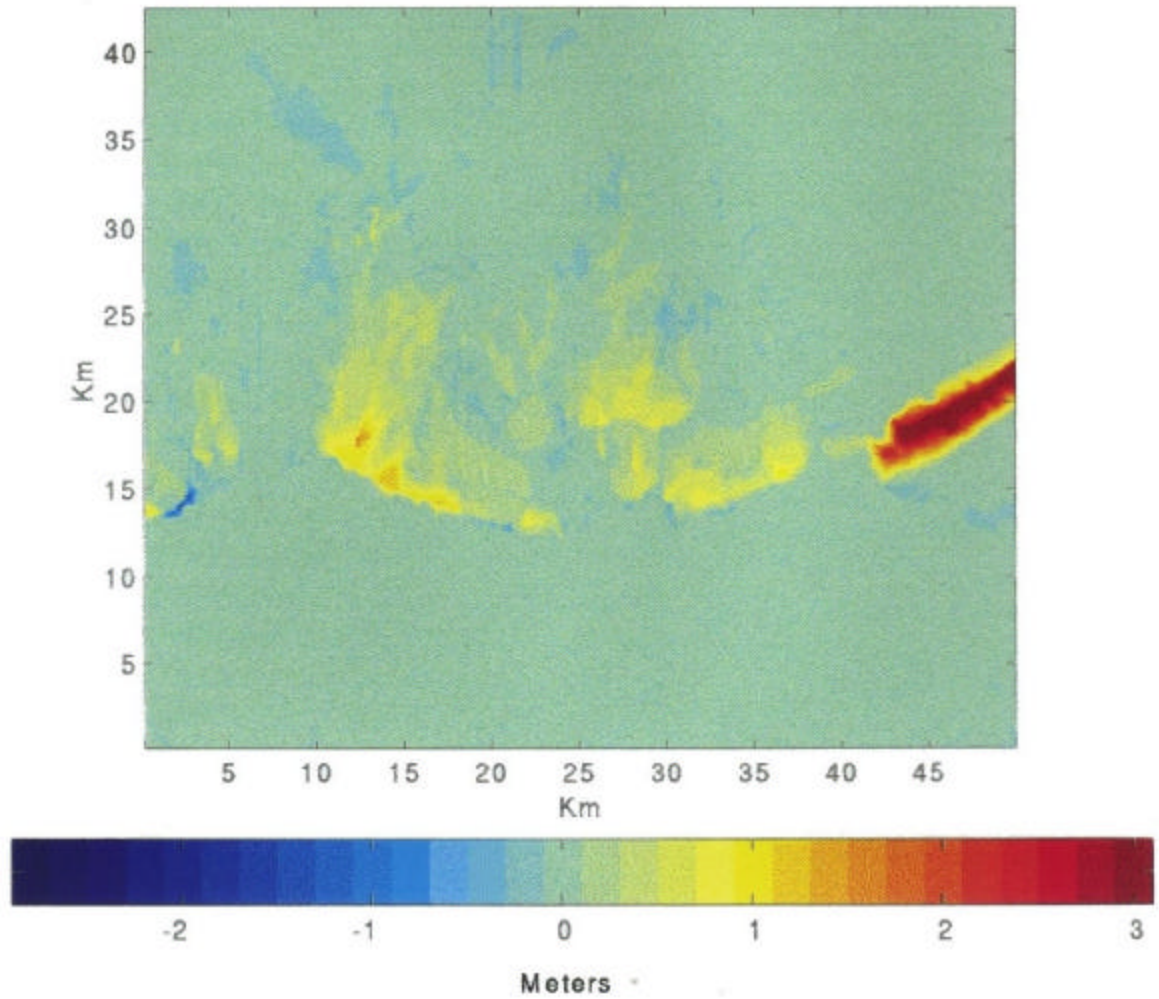


Figure 5-28. LA Barrier Island Study, Area 3, Present, HOs=6 m, T=11 sec., Vwind=20 m/s

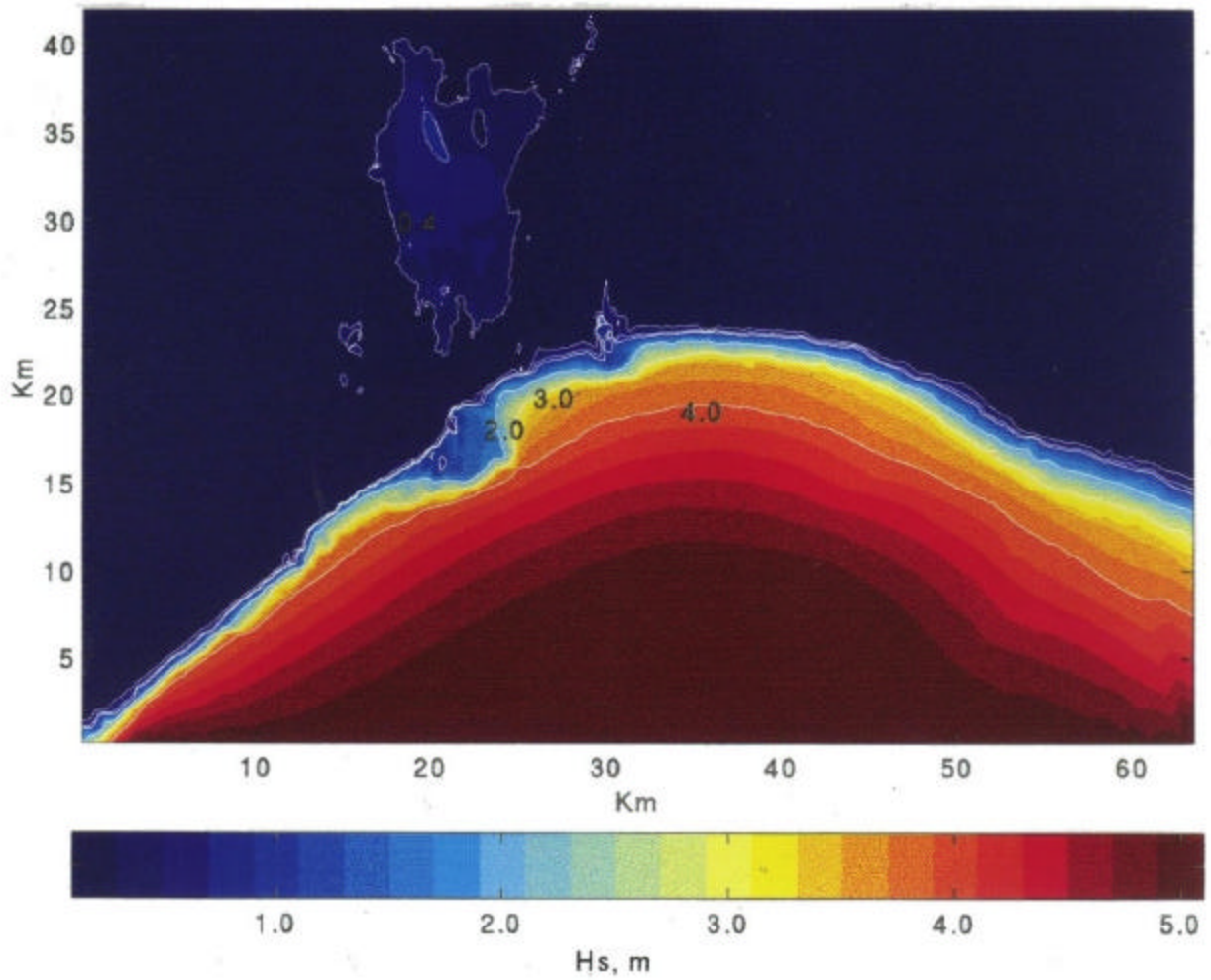


Figure 5-29. LA Barrier Island Study, Area 3, 30-Year, HOs=6 m, T=11 sec., Vwind=20 m/s

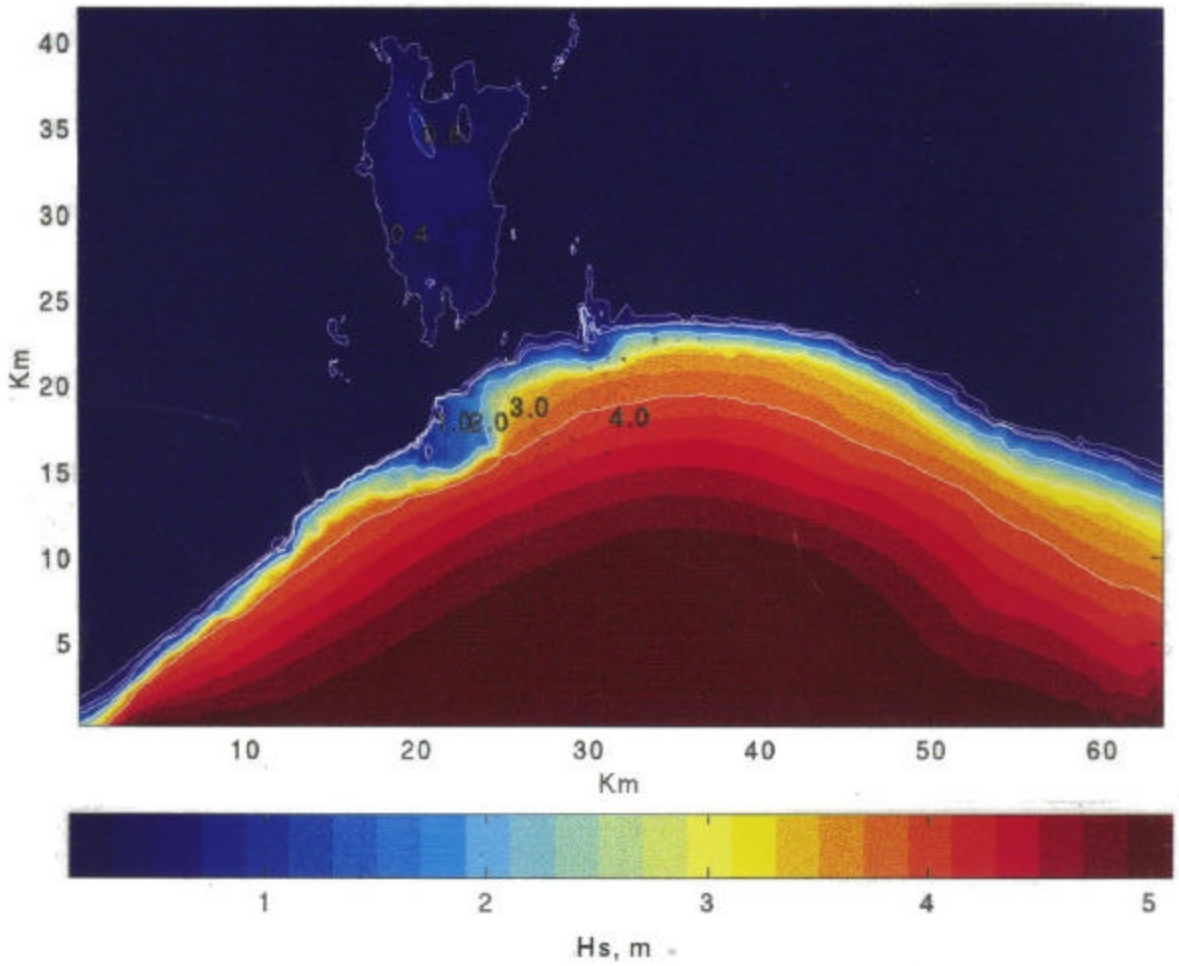


Figure 5-30. LA Barrier Island Study, Area 3, 100-Year, HOs=6 m, T=11 sec., Vwind=20 m/s

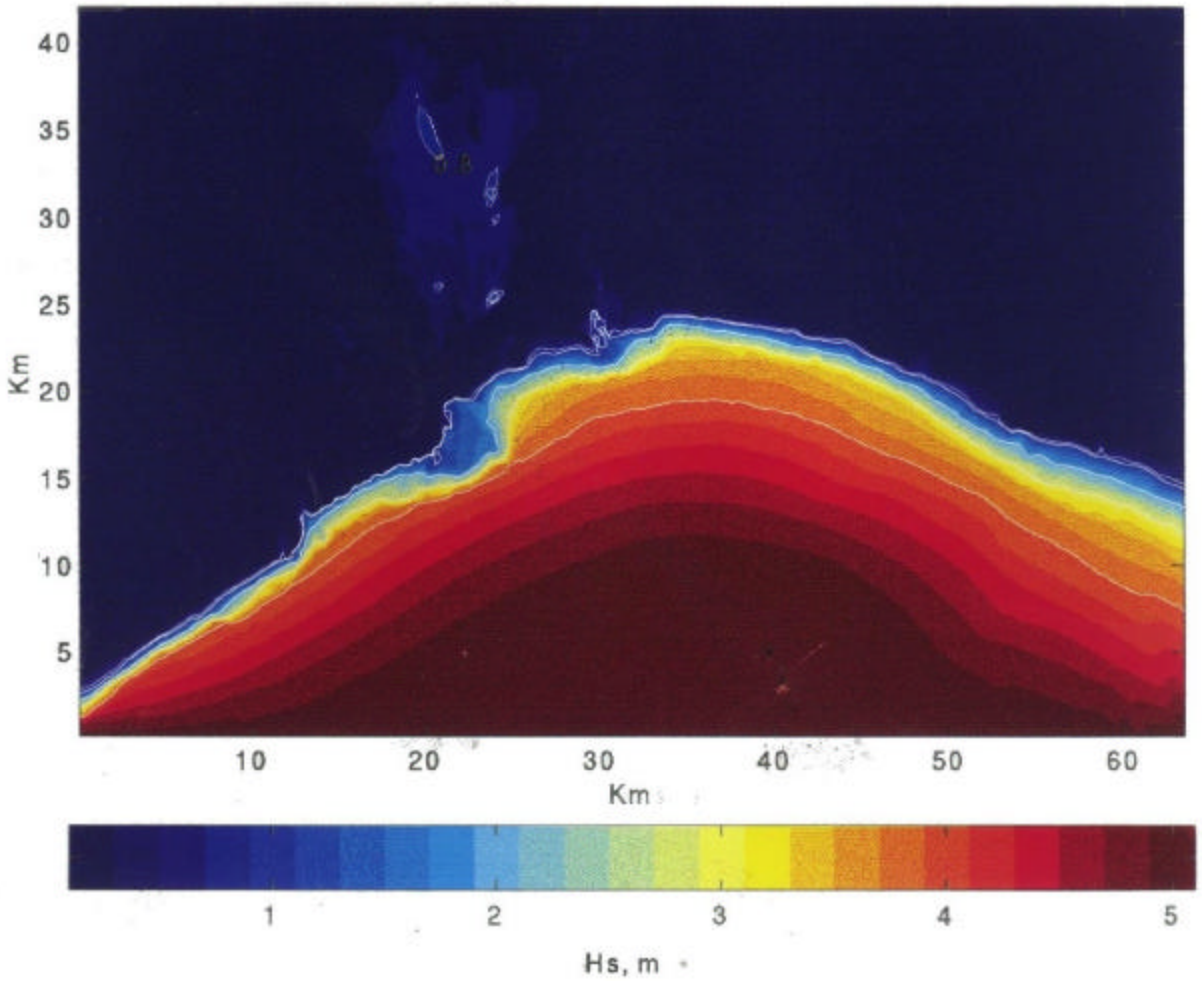


Figure 5-31. LA Barrier Island Study, Area 3, HOs=6 m, Hs Change, Present - 30-Year

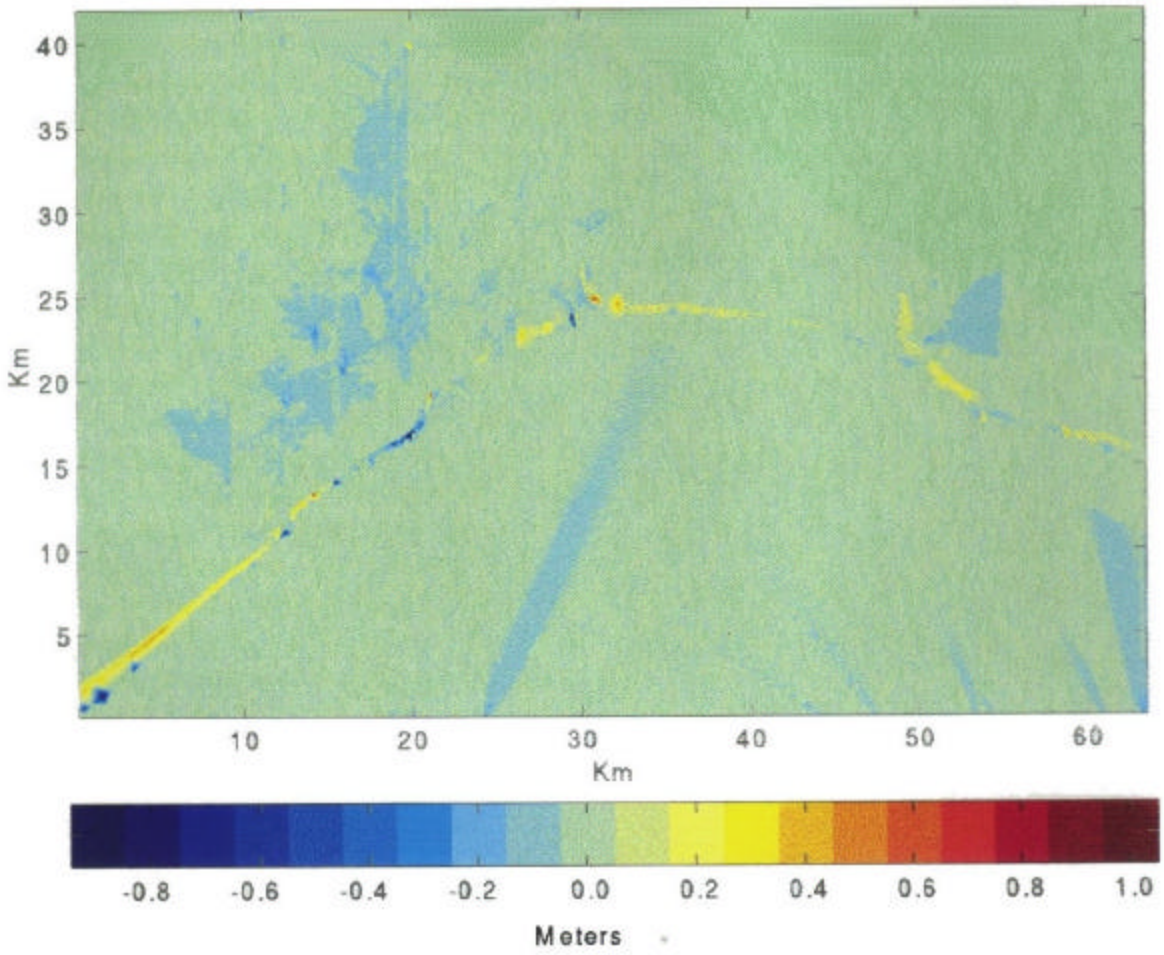
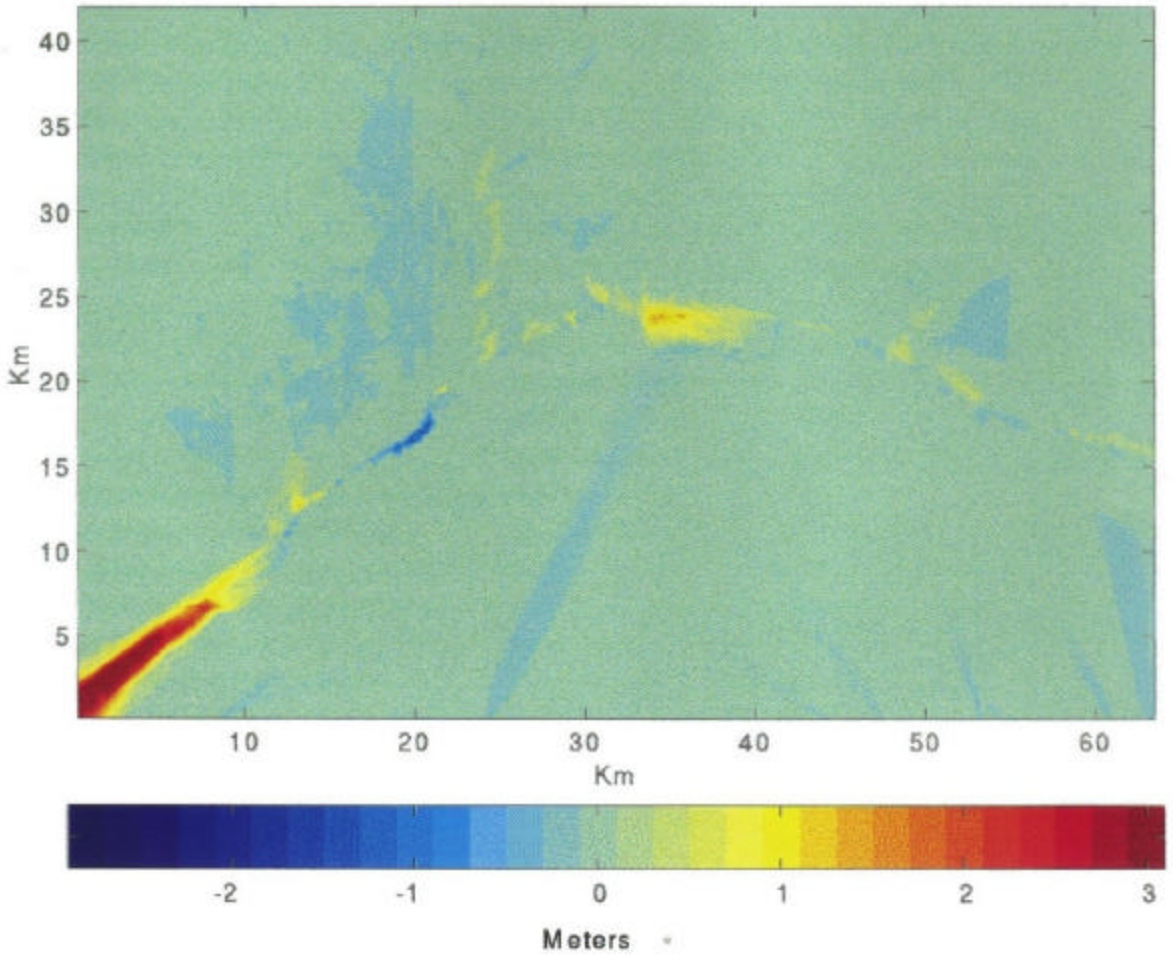


Figure 5-32. LA Barrier Island Study, Area 3, HOs=6 m, Hs Change, Present - 100-Year



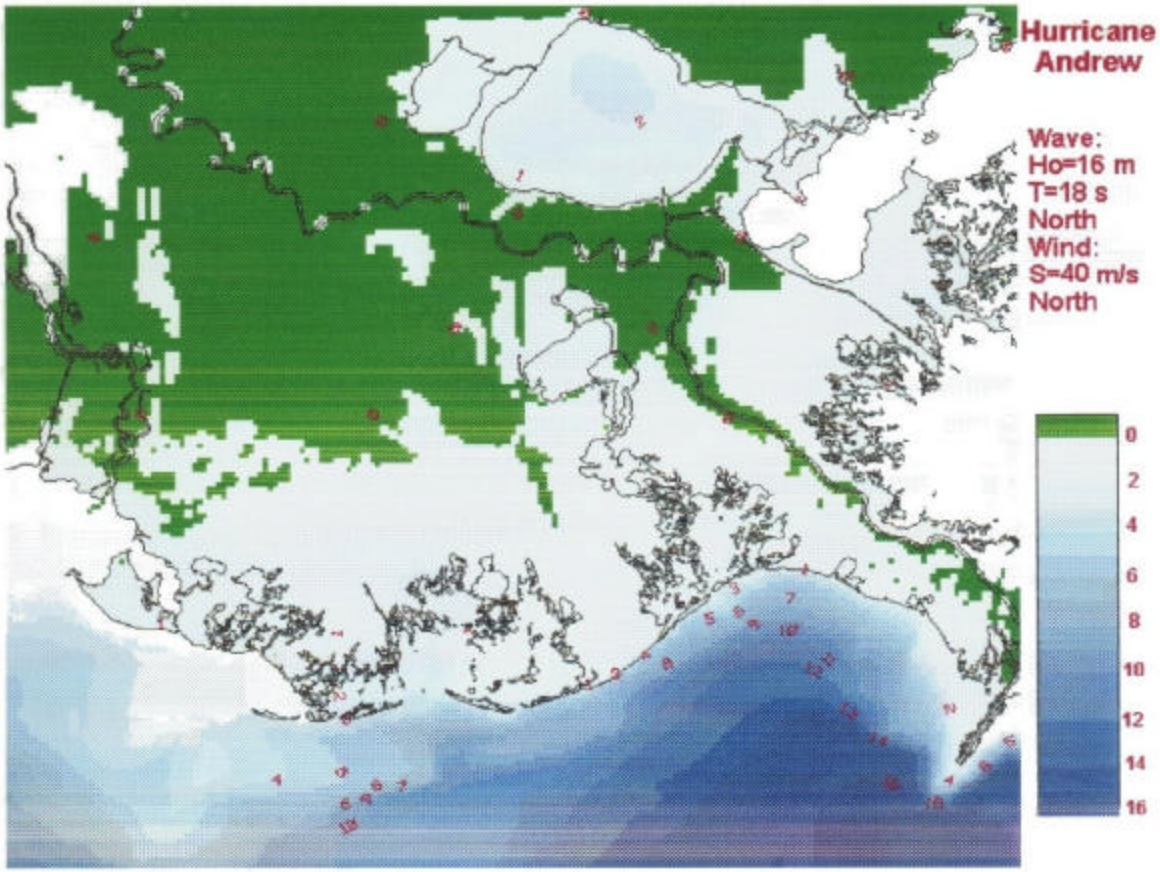


Figure 5-33. Modeled wave heights during Hurricane Andrew.

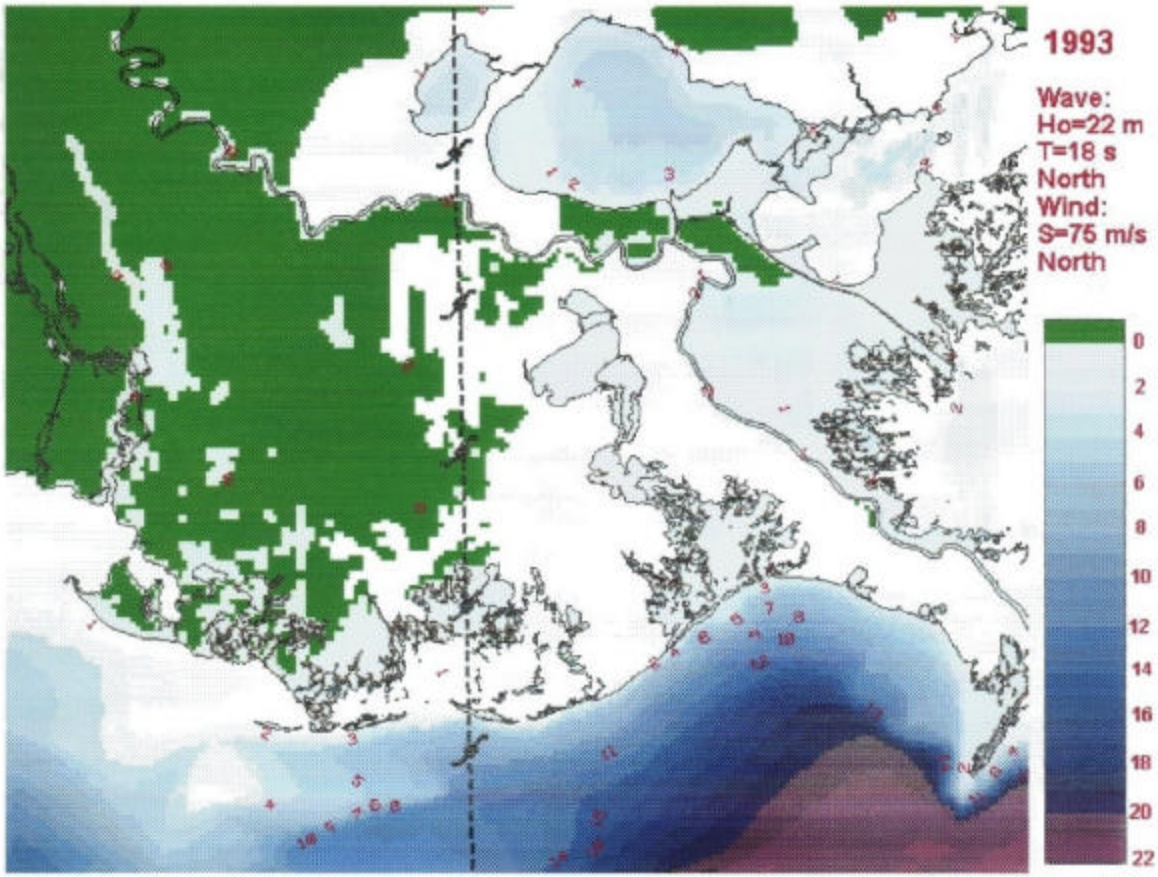


Figure 5-34. Modeled wave height distribution for a Category 5 hurricane and modern day shoreline and bathymetric scenario.

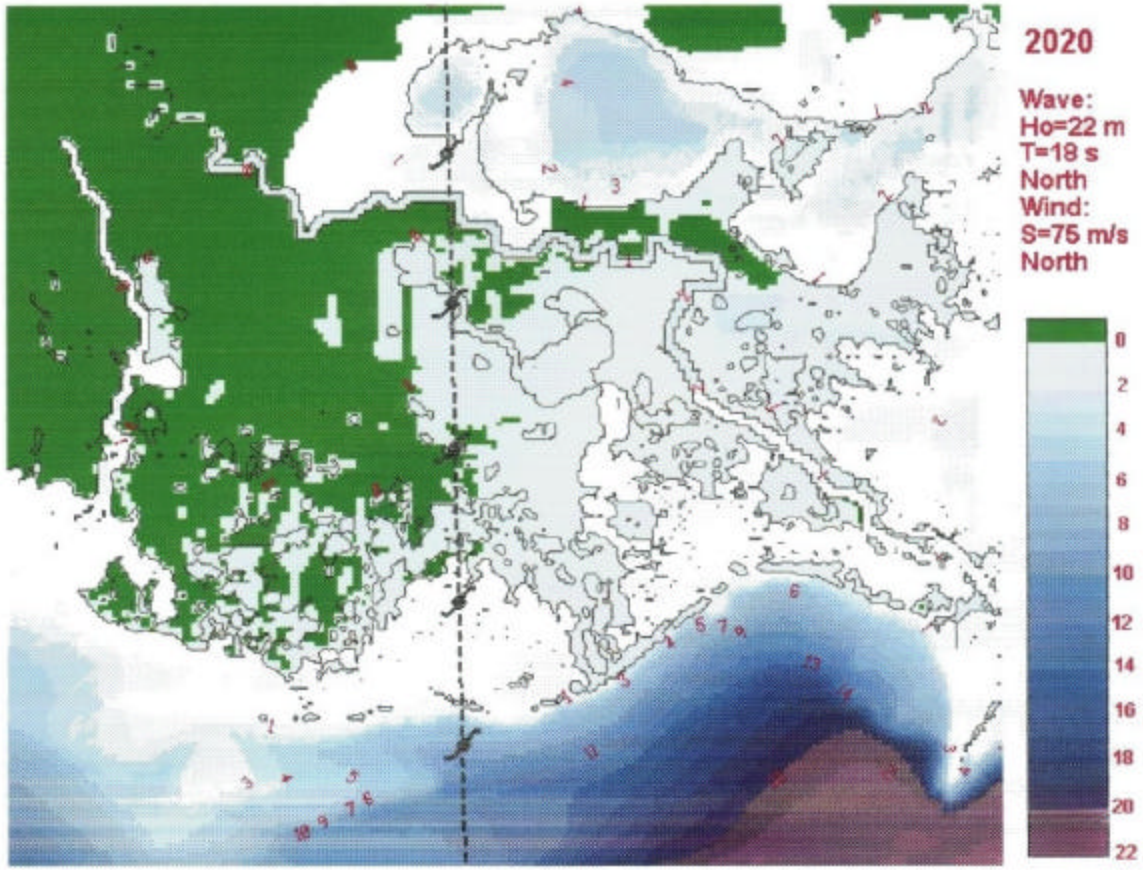


Figure 5-35. Modeled wave height distribution for a Category 5 hurricane and 30-Year shoreline and bathymetric scenario.

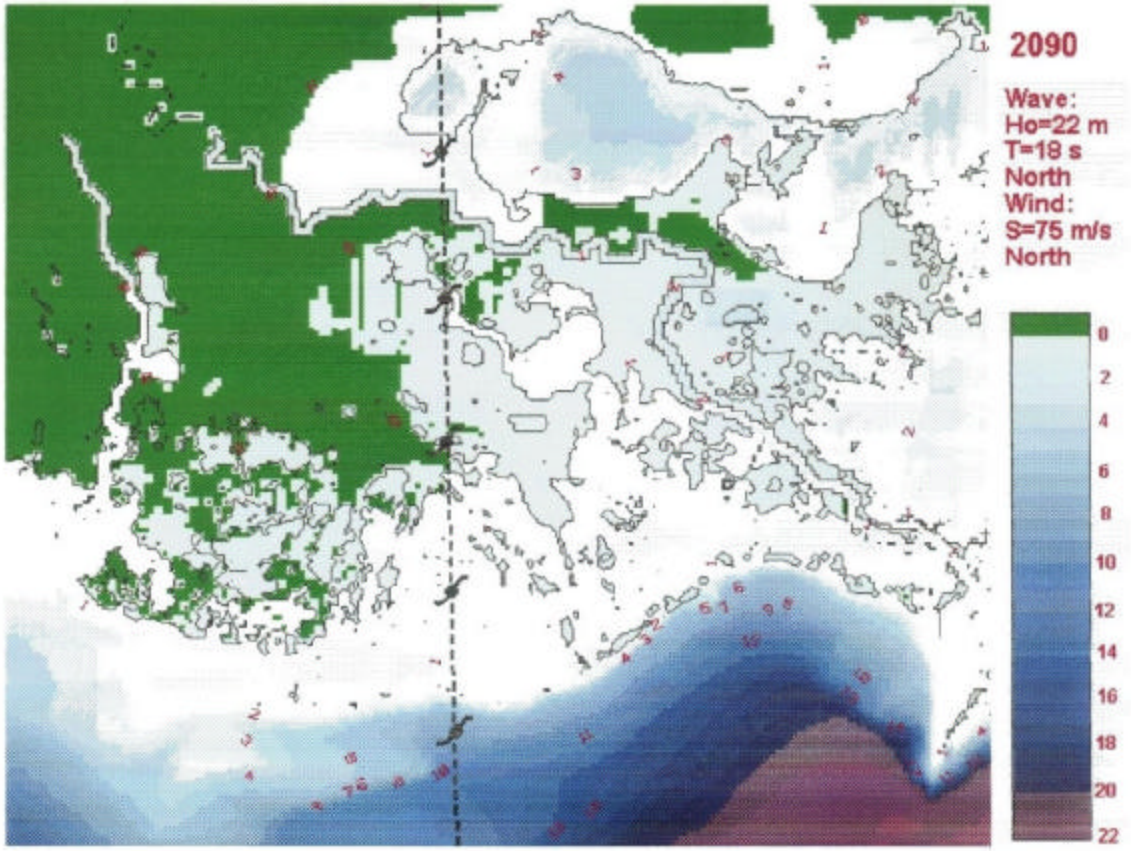


Figure 5-36. Modeled wave height distribution for a Category 5 hurricane and 100-Year shoreline and bathymetric scenario.