Shoreline Management Model version 5.1 for Shoreline with Existing Revetments

1. Bank Height >30 feet?
   - Yes: Stop. Land Use Management
   - No: Go to SMM v.5.1

2. Is the shoreline defended?
   - Yes: Go to SMM v.5.1
   - No: Undefended

3. Does the shoreline have a bulkhead or seawall?
   - Yes: Go to SMM v.5.1
   - No: Does the shoreline have an existing revetments against the upland?

4. Highly Modified Area?
   - Yes: Stop. Seek Expert Advice
   - No: Energy/Risk Level?

5. Energy/Risk Level?
   - High: Non-Structural Living Shoreline
   - Moderate: Special Geomorphic Feature – Seek Expert Advice
   - Low: Permanent Structure close to water?

6. Permanent Structure close to water?
   - No: Non-Structural Living Shoreline
   - Yes: Nearshore water depth?

7. Nearshore water depth?
   - Deep: Revetment
   - Shallow: Plant Marsh with Sill

8. Are groins also present?
   - Yes: Groin Field with Beach Nourishment
   - No: Maintain Beach or Offshore Breakwater with Beach Nourishment

9. Wide beach present?
   - Yes: SAV or Mangroves?
   - No: Sand Spit?

10. SAV or Mangroves?
    - Yes: Ecological Conflicts – Seek Regulatory Advice
    - No: Highly Modified Existing Bulkheads