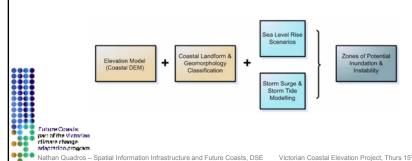
Future Coasts: Victorian Coastal Elevation Project

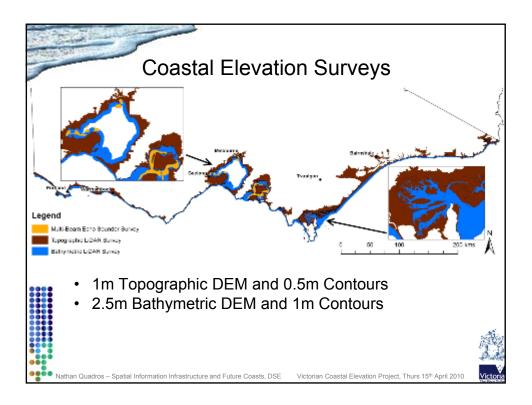


Victorian Coastal Vulnerability Assessment

- The Victorian Coastal DEM represents a multi-million dollar investment by the Victorian Government.
- The project is being funded by the Department of Sustainability and Environment (DSE) and is jointly managed by the Future Coasts Program and Spatial Information Infrastructure (SII).
- The coastal DEM is a key component of the Victorian Coastal Vulnerability Assessment (VCVA)
- The VCVA is the Future Coasts Program response to assessing the physical vulnerability of the Victorian coast.







Topographic LiDAR specifications: - Australian Height Datum (AHD) - ±10cm vertical accuracy @ 1σ - ±25cm horizontal accuracy @ 1σ - Generally an average point separation of 0.8m was used to produce the 1m DEM - Laser foot print size was between 0.25m-0.30m - Foreshore areas should be captured within 2 hours of a low tide unless otherwise specified as per Western Port and Corner Inlet

Bathymetric LiDAR Survey

Bathymetric LiDAR specifications:

- Australian Height Datum (AHD)
- IHO Order 1 (±50cm) vertical accuracy @ 2σ
- ±3.17m horizontal accuracy @ 2σ
- An average point separation of 5m was used to produce the 2.5m DEM
- Laser foot print size was 2.5m
- Coverage requirements
- AHD heights were computed using a combination of a hydrodynamic modeling and linear interpolation tidal models based on observed tides



Nathan Quadros – Spatial Information Infrastructure and Future Coasts, DSE

Victorian Coastal Elevation Project, Thurs 15th April 201

