

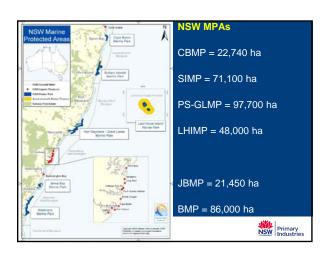
Traditional Management Roles

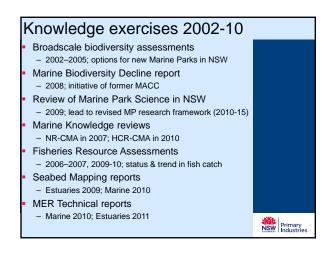
- DPI Fisheries harvest fisheries, marine pests, marine threatened species, marine habitats
- OEH pollution, oceanography, coastal erosion, oil spill response
- Marine Parks Authority marine conservation
- NSW Maritime boating, moorings, port functions
- Coastal CMAs various support activities
- Coastal councils foreshore structures

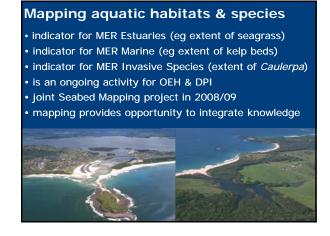


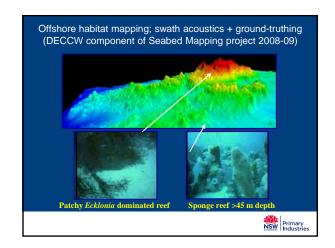




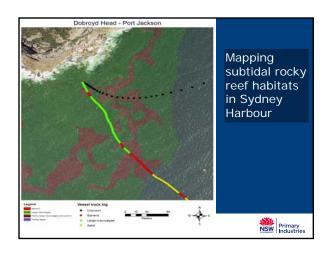


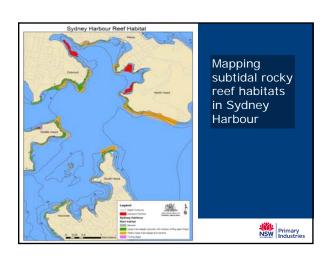




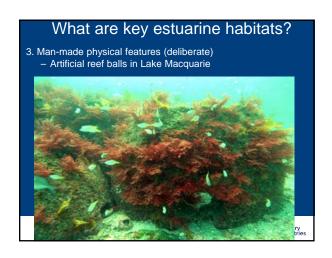






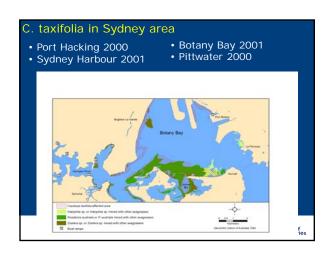




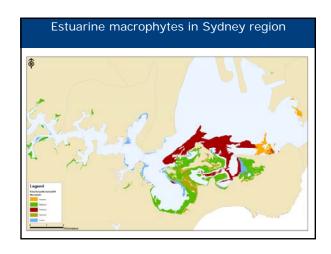


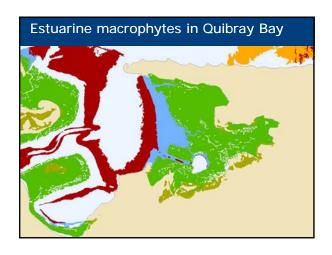


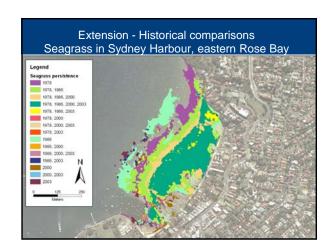


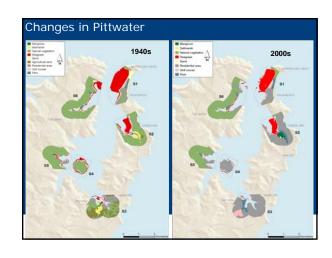




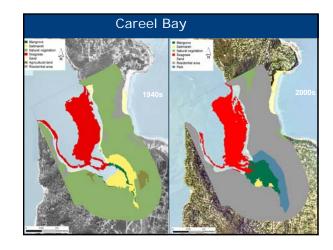


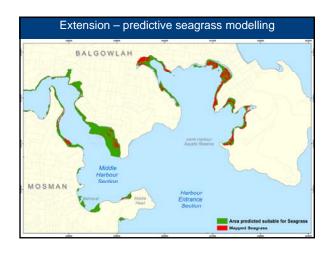


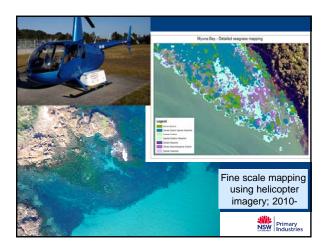


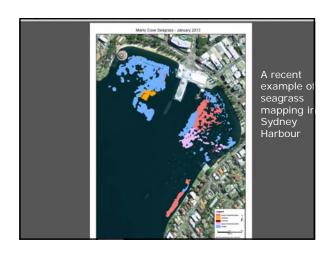


	1940s	2000s	%Change	1940s-2000s
	(ha)	(ha)	Increase	Decrease
Natural vegetation	711.44	403.22		- 43.32
Agricultural land	93.89	0.00		- 100.00
Residential area	113.20	506.37	347.32	
Recreational area	20.22	77.30	282.30	
Saltmarsh	36.03	1.45		- 95.98
Mangrove	7.40	16.32	120.54	
Seagrass	220.16	157.85		- 28.30



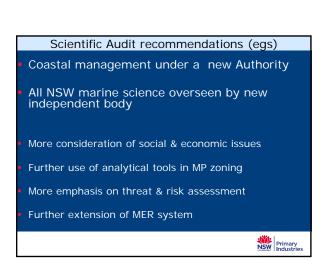














Threat	Activities	
Resource use	Fishing (Commercial, recreational, indigenous, plus illegal, unreported and unregulated	X 18.
	Aquaculture	
	Dredging and spoil dumping	72.7
	Mineral, oil, gas exploration and extraction	are the s
	Shipping	
	Tourism	STANDARD STANDARD
Land based impacts	Diffuse and point-source pollution	1
Marine biosecurity	Pests and disease	
Marine pollution	Oil spills, marine debris	
Climate change	Sea level rise, acidification, increased temperature, storm events	NSW Primary Industries

			Soft-sediment						Rocky reef				
			Vegetated			Unvegetated							
Human Pressures		Salt- marsh		Seagrass	Intertidal	Shallow (<25m)	Intermed (25-60m)	Deep (>60m)	Intertidal	Shallow (<25m)	Intermed (25-60m)	Deep (>60m)	
	Recreational fishing	Shore and boat based											
	Commercial fishing	Ocean Haul											
		Ocean Trawl											
		Ocean Trap and Line											
		Lobster											
		Abalone											
touris Dred		Estuary General											
		Estuary Prawn Trawl											
	Recreation and tourism												
	Dredging												
	Aquaculture												
impacts de St ou St ca	Foreshore development												
	Sewage outfalls												
	Stormwater/ catchment run- off												
Marine biosecurity													
Pollution	Shipping and marine incidents	Comm. vessels											
Climate change													
											NSW	Primar Industi	y ries



Threat & Risk Assessment - Marine Biodiversity in Sydney Harbour

- The new approach to managing the NSW marine estate being announced today can, and should, be applied to the Sydney region as much as to other bioregions where MPs already exist.
- A current SIMS initiative provides an excellent platform on which to progress thinking and data collection around this approach as a "case study" for the Hawkesbury Bioregion.



Future mapping, monitoring and other assessments in the Sydney region, 2013 -

- Finalise report on temporal changes to estuarine macrophytes.
- Develop framework for characterising seagrass condition
- Continue mapping other habitat features rocky reefs, bathymetry, sediments
- Extend biodiversity assessments
- · Link with offshore habitats
- Extend models for predicting occurrence
- Assess ecological, social & economic values associated with Sydney Harbour (part of SIMS SHRP)

