



Marine Science in WA 2010 Show-&-Tell

Name: Glenn Hyndes

Affiliation: ECU

**Newsflash title: Tracing sources and fate of
production using fatty acids in Jurien Bay**



Tracing sources and fate of production using fatty acids in Jurien Bay

- Fatty acids = food-web biomarkers
- Many PUFAs (e.g. omega 3 & 6 FAs) essential
 - Flow unchanged through food web

	C18:2	18:2n-6	18:4n-3	20:2n-9	20:3 (36.5)	20:4n-6	20:5n-3	22:2	22:4n-6	22:5n-3	22:6n-3
	de novo	Seagrass	Brown/ Red	de novo	Brown?	Brown	Red (Brown)	de novo	de novo	de novo	de novo
Cantharidus											
Pyrene-S						X					
Pyrene -R						X					
Turbo											
Astraliium						X					
Heliocidaris											
Thais											
Phylacanthus						X					
Panulirus							X				
Paguristes											
Chondrilla											
Herdmania											
Stichopis						X					