



Marine Science in WA 2010 Show-&-Tell

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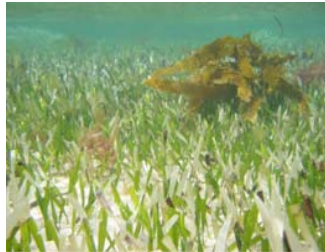
Newsflash title: Keep wrack as a prophic subsidy
in seagrass ecosystems



Kelp wrack as a trophic subsidy in seagrass ecosystems

Charu Lata Singh

Supervisors: Prof Paul Lavery & Prof Glenn Hyndes



AIMS:

Does kelp subsidise productivity in seagrass ecosystems?

This will be tested by examining:

1. Movement of kelp into seagrass meadows;
2. Release of nutrients from kelp; and
3. Uptake of kelp-derived nutrients by the seagrass community.

APPROACHES:

- Radio-track kelp movement in seagrass meadows (VRAP);
- Retention time of the kelp wrack in the seagrass meadows;
- Degradation and release of nutrients to seagrass community;
- Consumption experiments; and
- Tracing pathways of incorporation into a seagrass food web using isotopic and FA labels

