

WP 1 Task 1.1

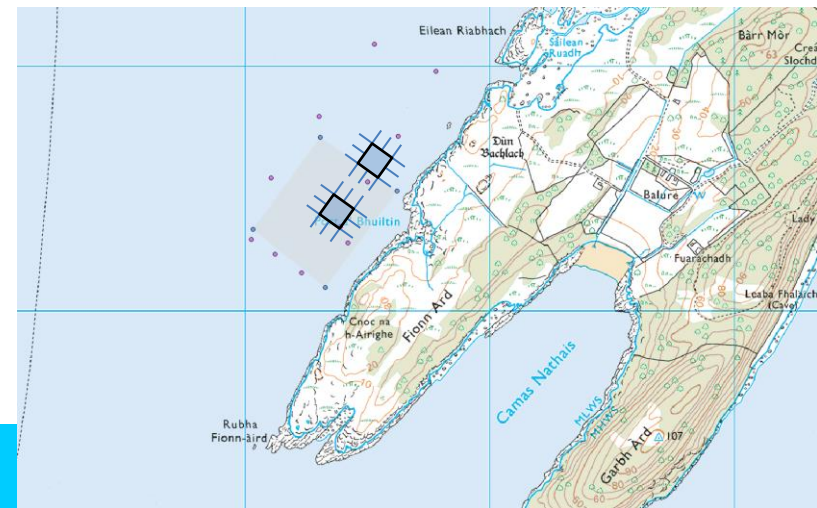
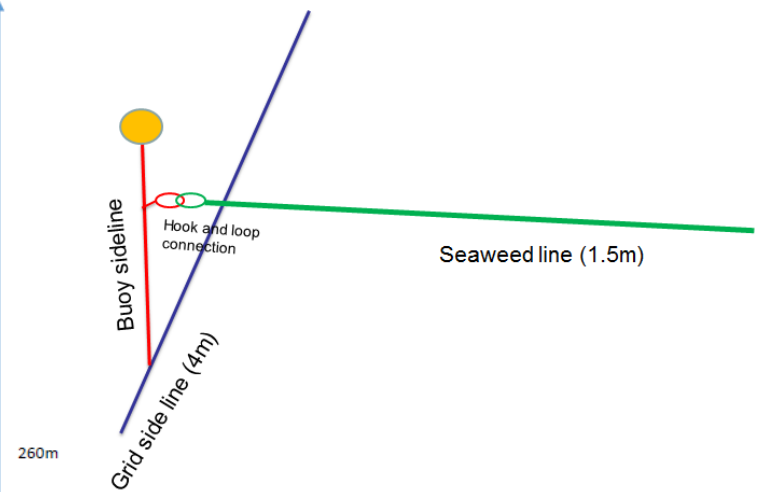
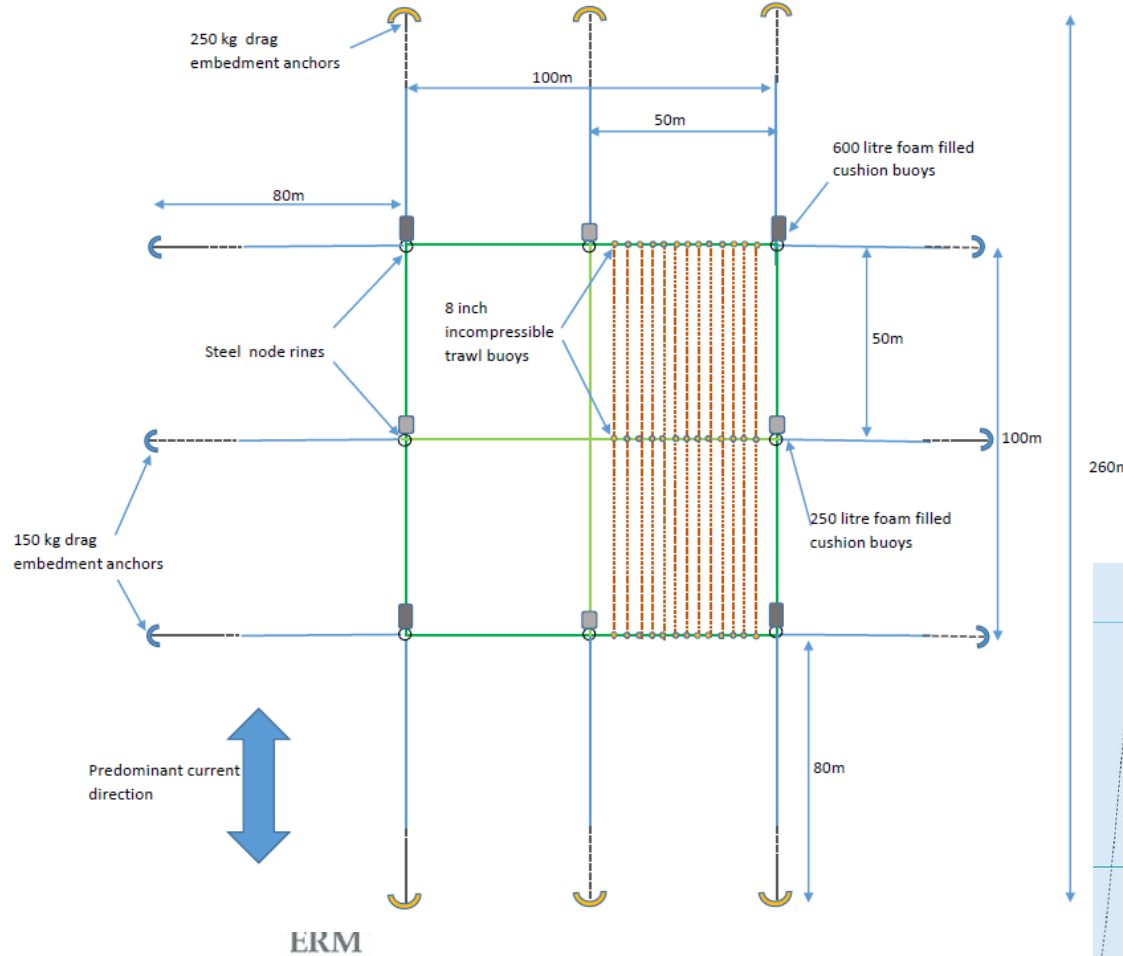
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Advancing the planning for a second tensioned grid to extend the growing area available for MacroFuels



Comparison of biomass production using different cultivation methods for *S. latissima* and *A. esculenta*.



Growth of *A. esculenta* directly seeded to the AlgaeTex ribbon. Photo taken on the 17th of May.

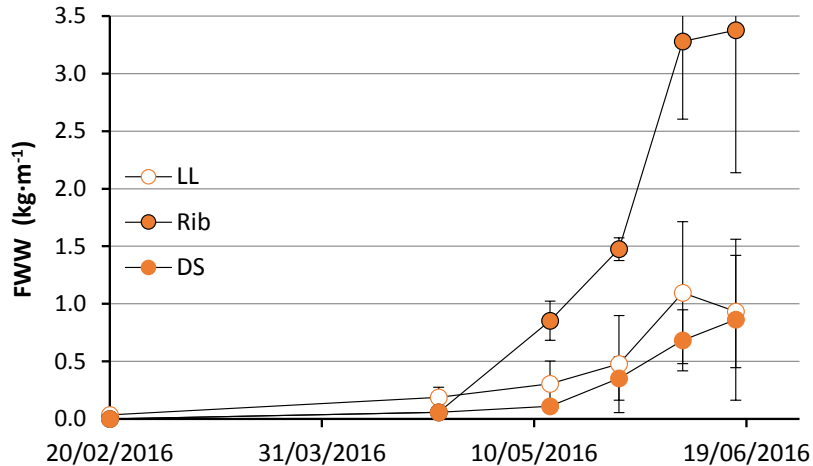
Juvenile *S. latissima* and *A. esculenta* were seeded:

- Directly on 3 X 45 m ribbons (5cm wide AlgaeTex),
- Directly on 4 X 50 m rope (Technored),
- Using twine on approximately 12 X 50 m of standard line.

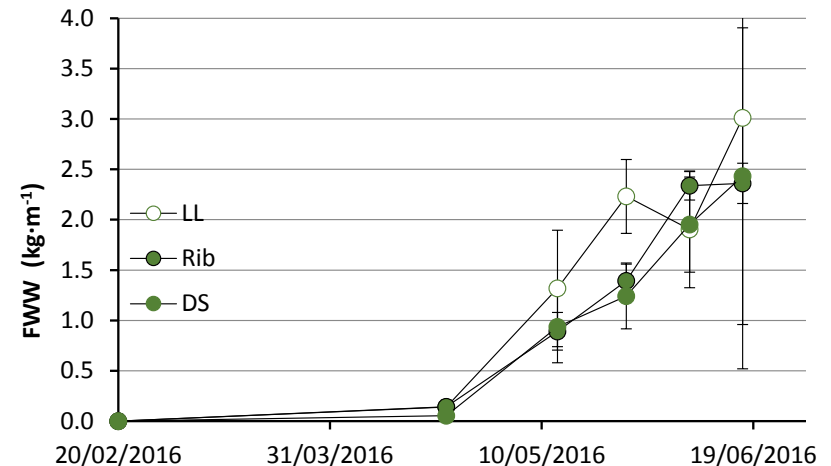
Assuming the mean length of algae at the time of harvest (end of June) will be 1.5 m and the biomass will be $\sim 4 \text{ kg m}^{-1}$, this represents a growing area of approximately 2940 m^2 .

Preliminary Results

S. latissima



A. esculanta



Mean biomass (Kg wet weight per meter length) monitored over the growth cycle. Lines were seeded using three different methods. (LL) Long-line with individuals seeded with twine, (Rib) ribbon with individuals seeded, (DS) rope with individuals seeded directly. Error bars represent SD/2.

Update on other activities

- Harvesting methodology and preparation for scaling up
- Drying and storage activities
- Advance the culturing and seeding techniques for *Palmaria palmata* and *Ulva lactuca*.

