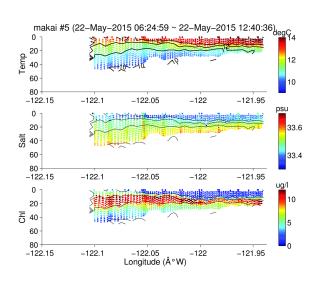
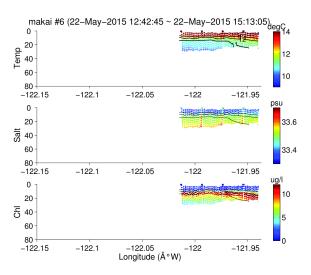
# Weekend upwelling & Makai line

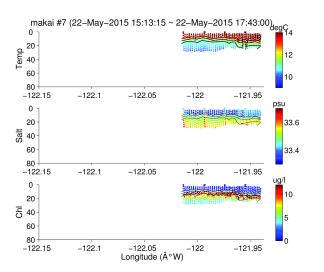


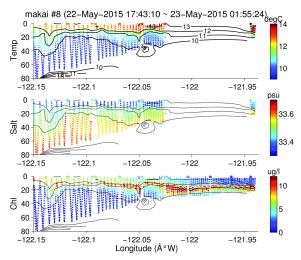
Makai line – 122.15°W to ESP north along 36.905°N

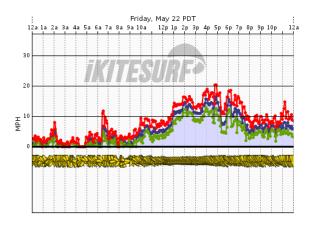
#### Friday 22 to Saturday 23 noon



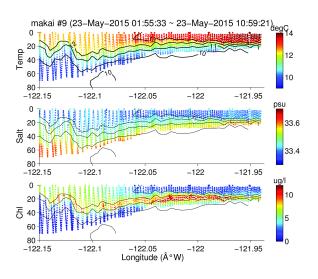




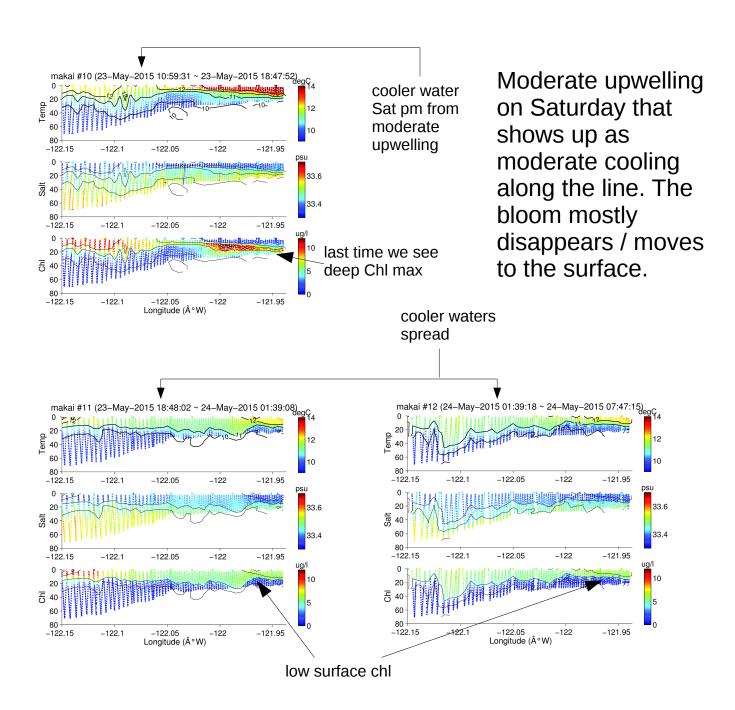


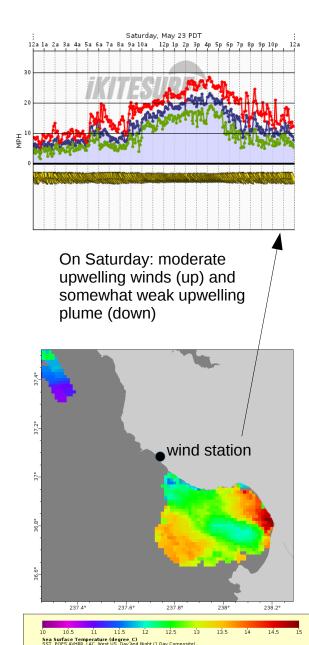


Mostly warm waters along the line, pretty weak NW weeks on Friday. Deep Chl maximum.

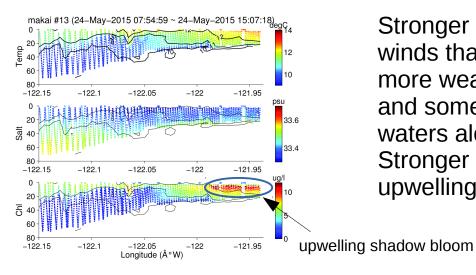


#### Saturday 23 noon to Sunday 24th morning

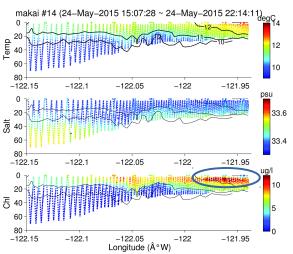


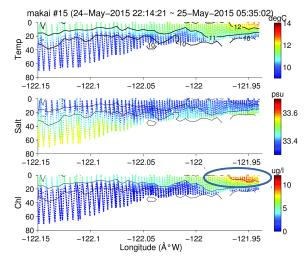


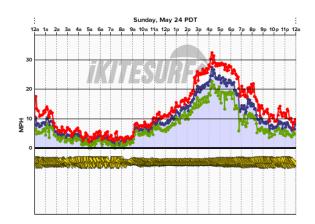
## Sunday 24<sup>th</sup> day & night



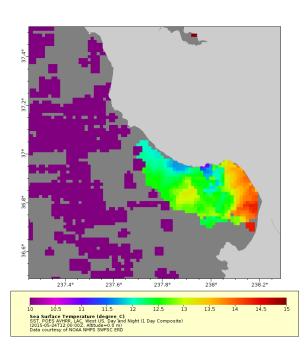
Stronger but shorter winds that lead to more weak upwelling and somewhat cool waters along the line. Stronger bloom in the upwelling shadow.



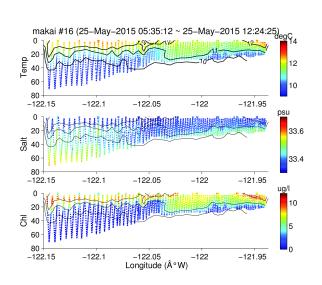




On Sunday: stronger but shorter-lived upwelling winds (up) and possibly upwelling closer to Santa Cruz (down).



### Monday 25<sup>th</sup> day & night



Weaker winds and warmer waters along the line. A deep Chl maximum seems to reform at least in the east.

Satellite indicates cooler waters just north of the line – winds were stronger at Long Marine Labs than Waddell so upwelling center possibly moved south(?).

