

PRELIMINARY RESULTS



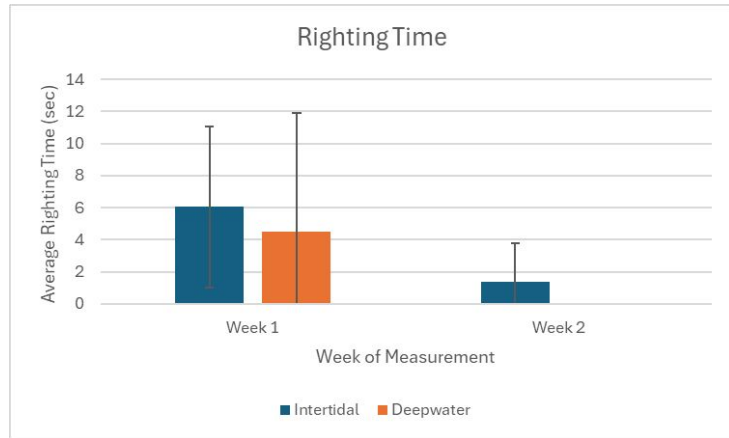
Intertidal treatment set-up

“How will hypoxia affect the physiology of hairy shore crabs?”

Will Mixon, Maddy Glasser, GG Foster,
Erik Bengtson

Behavior & Respiration

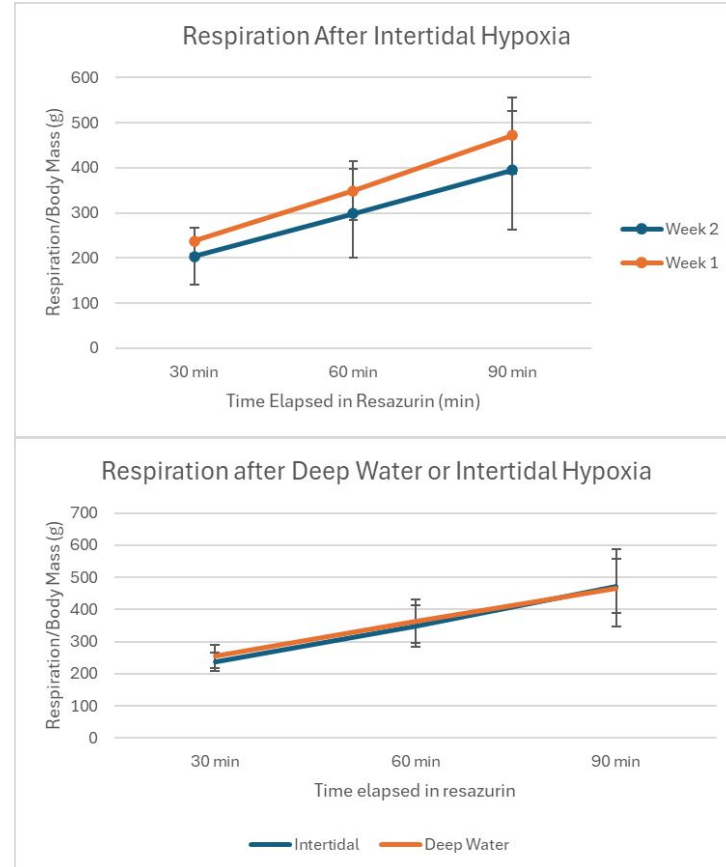
Righting Time



- Mortality of deepwater treatment in week 2
- Overwhelming error
- Needed more replications

* 100% mortality of deepwater treatment after two weeks, one deceased from intertidal after two weeks

Resazurin



Dissection - Gill Tissue

Control



Deepwater



Intertidal



Gill Tissue					
	Semi-hypoxic	Gill tissue quality		Gill tissue key	
crab individual	[1]	Bad		Bad: Grey, dark, atrophy	
	[2]	Bad		Partial: Grey with some yellow	
	[3]	Bad		Good: yellow, orange-ish color	
	[4]	Pink		Pink: pink-ish possibly from resazurin	
	[5]	Partial	*lost track of 5		
	[6]	Bad			
	[7]	Partial	*lost track of 7		
	[8]	Partial			
	[9]	DECEASED			
	Hypoxic	Gill tissue quality			
crab individual	[1]	Bad			
	[2]	Bad			
	[3]	Bad			
	[4]	Partial			
	[5]	Bad			
	[6]	Bad (one side worse than the other) *have photo			
	[7]	Bad (pregnant one)			
	[8]	Bad			
	[9]	Bad			
	Control	Gill tissue quality			
crab individual	C1	Good			
	C2	Good			