

**From:** Ricardo Desantiago rdesantiago@sdsu.edu  
**Subject:** Re: Wrapup thoughts from this week  
**Date:** March 18, 2022 at 4:46 PM  
**To:** Jeremy Long jlong@sdsu.edu  
**Cc:** Bill Hoyer william.hoyer@navy.mil

RD

#### | Sites for RAPID-only survey months (eg May and September)

-I think we have established that these sites are doable with a crew of 3 (even better with a 4th if we can keep Bill away from his job and helping us instead haha)

-The sites you proposed are great since they fall under the accessible umbrella when there's no military ops happening. I would suggest including Cosign and the area adjacent to it (opposite the monitoring site) since we have data from there. Granted, the use of this site may not be great for long-term monitoring because of nesting. If there is time, I think having a running partial dataset can come in handy when we write about the experiments we did there.

-It seemed like beaches just south of the pier may be useful but we could be dealing with pinnipeds and a lack of wrack. We should at least visit this area to get an idea of whether or not wrack even lands there.

#### | Placing the vertical Dugan transects (i.e. where is the top)

-embarrassed? Sheesh I give you credit for understanding as much as you did to write up a protocol, I was very lost with the description.

-im going to check out the protocol and make suggestions on there.

-I understand that those data will have an asterisk on it but at least we were able to establish a protocol. I can see how our sampling method has issues, especially at Dutch Harbor where the kelp seemed to be ABOVE our sampling zone. My question is, we are interested in the temporal and spatial distribution of wrack so it makes sense that we count the entire area but I wonder why Jenny et al. care about the stuff that is in a place you wouldn't find hoppers... maybe I'm not fully understanding their goals.

Ric

On Mar 18, 2022, at 3:39 PM, Jeremy Long <jlong@sdsu.edu> wrote:

(Bill, Ric and I would love your input on any of this)

#### Sites for RAPID-only survey months (eg May and September)

- I would like to survey 7 sites on each of those visits.
- I propose: Tender Beach, Red eye, Bachelor, Cissy (or is it Cissi?), Artist Beach, West Coast Guard, and a south facing beach.
- As epic as that walk was to Dutch Harbor, I propose we identify a beach on the southside that is closer to and accessible from Daytona. Is that a thing?
- If we are ever in a bind and need to prioritize sites, I identified three categories (High, Mid, Low Priority). High = Tender, Red eye, Bachelor, Mid = Cissy, Artist, Low = West Coast Guard, south facer
- I know it can be hard to predict, but do these sites seem like we might regularly be able to get to them during March, May, September, December?

#### Placing the vertical Dugan transects (i.e. where is the top)

- I'm embarrassed that I didn't identify this earlier but after closer reading of Jenny's papers and an email exchange, here's what we should be doing : "e.g. the bluff toe, perennial vegetation line, or primary foredune toe. We will score wrack that is cast above that boundary too but note it is above the long term intertidal boundary. Spring can be tricky since there are new veg recruits but we go to the older vegetation and score the new recruits." Here is her description from Dugan et al. 2003 "On each beach, three transects were established extending from the landward boundary of the beach (the lowest edge of terrestrial vegetation or the base of the sea bluff) to below the lowest swash level. When possible, an area of the beach with a natural landward boundary and a measurable supralittoral zone was sampled."
- We need to make a note that the following sites were wayyyy off on this week's trip, and therefore should be considered very cautiously (if at all) when considering their inclusion in a long-term monitoring dataset: Tender, Dutch Harbor, West Coast Guard.

peace,  
jl

