

From: [BrownScott, Jennifer](#)
To: [Sanguinetti, Pamela NWS](#)
Subject: Fwd: Eelgrass Survey maps
Date: Monday, September 26, 2016 1:13:40 PM
Attachments: [DNGtidelandPresAbsen Eelgrass9.26.16.pdf](#)
[DNGtidelandPresAbsen Eelgrasswtracklogs.pdf](#)
Importance: High

FYI. Looks like Jamestown is planning on submitting a permit application in the first week of October. Here is the latest version of the eelgrass maps from our presence/absence survey.

-jennifer

Jennifer Brown-Scott
Refuge Manager
Washington Maritime NWRC
715 Holgerson Rd
Sequim, WA 98382
office: (360) 457-8451 ext.22
fax: (360) 457-9778

~~Dungeness NWR~Protection Island NWR~San Juan Islands NWR~~
~~Copalis NWR~Flattery Rocks NWR~Quillayute Needles NWR~~

Ralph

Riccio <rriccio@jamestowntribe.org> Sep 23 (3 days ago)



to me, lhauser



Autumn greetings!

I hope Summer came to a close with a wake of productivity behind it. Here at Jamestown field work is slowing, but the ripples of paperwork continue on.

We are moving forward with acquiring permits through the Army Corps. Recently Pam has instructed me to hire a consultant to carry out a 106 Cultural Review of the parcel. I have contacted Gary Wessen and he will likely be carry out a survey in the coming weeks. Tuesday the 27th Gary and I will be headed out onto the parcel around 7:30am via boat so he can have an initial assessment of the work needed. If there are specific requirements on your end please let me know as soon as you can. Also, if you would like to meet us out there you are welcome.

As we make our final plan for activities on the parcel we are going off of the preliminary data we were given from the eelgrass survey. If you have further refined maps with eelgrass shoot densities, that would be helpful to get to me now as we are still in the planning process. We plan to submit the first week of October. If you do not plan to have the survey data further worked with, then please let me know and I will proceed with what you gave me.

Let's stay in touch and perhaps we will see you at the River Festival.

Have a great weekend!

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From: **BrownScott, Jennifer** <jennifer_brownscott@fws.gov>

Date: Mon, Sep 26, 2016 at 1:10 PM

Subject: Fwd: Eelgrass Survey maps

To: Ralph Riccio <rriccio@jamestowntribe.org>

I was actually at the River Festival on Friday partnering with NPS and USFS to get the fourth graders a special pass to public lands. It was a great day.

Lorenz has been working with our GIS techs in Portland and has a map that is a bit more refined than the last version. There is still some more data cleanup that could make it even more accurate, but this gives us all a good idea of the areas where eelgrass is present.

Hope this helps inform your proposal.

-jennifer

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From: **Sollmann, Lorenz** <lorenz_sollmann@fws.gov>

Date: Mon, Sep 26, 2016 at 12:47 PM

Subject: Eelgrass Survey maps

To: Jennifer BrownScott <jennifer_brownscott@fws.gov>

Jennifer,

Here are the 2 maps, one with the track logs displayed the other without for a cleaner copy. Some comments about the maps:

- There are 2 track logs displayed, one from each survey date (7/1, 7/19). The 2 units were combined by date.
- There was a short glitch with capturing the track log on 7/1. The NE quarter the blank area along the boundary was actually walked. Also, in the same NE quarter there is a big empty area with no eelgrass or track log date. This area was walked by volunteers or staff without a GPS unit. These observers were walking between observers caring the GPS units. Additionally this area appeared to be the highest in elevation, therefore, the most time out of the water, and where a harder substrate exists with shell fragments.
- The 7/1 track line was from Ralph's GPS unit.
- The breakdown for the number of plants was to separate out the 1-2 just as hits for presence, but that the 3 and up would indicate the location of what our understanding of

the ACOE definition considers as a stand alone bed.

- A number of points were collected on both days with the same information. Ones that were obviously duplicates were removed.

There certainly are many points very close to each other that could have been captured as a polygon during the survey. We were not making any determination if some of these points separated by less than a meter or so should be collected in a different way. If nothing else, the survey does inform us that when oyster production was active and there was no eelgrass stated to be present, that in the intervening closed years the eelgrass has come back.

Thanks,
Lorenz Sollmann
Deputy Project Leader
Washington Maritime National Wildlife Refuge Complex
715 Holgerson Rd. Sequim, WA 98382
360/457-8451 - fax 360/457-9778