
From: Celeste Barnes <cbarnes@48northsolutions.com>
Sent: Thursday, July 20, 2023 12:16 PM
To: DICKSON, LOWELL (DNR)
Cc: Ryan, Andrew (DNR); RECHNER, MICHAL (DNR)
Subject: RE: Tokitae Meeting - Cooke Aquaculture documents

External Email

Hi Lowell,

Thank you so much for this data. It should prove very useful in our analysis. I sincerely appreciate your help in tracking down information for us!

Kind regards,
Celeste

Celeste Barnes-Crouse | she/her
Environmental Scientist



48 North Solutions, Inc.
1275 12th Ave NW, STE 8
Issaquah, WA 98027
cbarnes@48northsolutions.com
O: (206) 900-1388 ext. 5 | C: (206) 818-5894
W: www.48northsolutions.com

From: DICKSON, LOWELL (DNR) <LOWELL.DICKSON@dnr.wa.gov>
Sent: Wednesday, July 19, 2023 3:55 PM
To: Celeste Barnes <cbarnes@48northsolutions.com>
Cc: Ryan, Andrew (DNR) <Andrew.Ryan@dnr.wa.gov>; RECHNER, MICHAL (DNR) <MICHAL.RECHNER@dnr.wa.gov>
Subject: RE: Tokitae Meeting - Cooke Aquaculture documents
Importance: High

Celeste,
We posted some bathymetry data on DNR's BOX site,
<https://deptofnaturalresources.box.com/s/sms064bq2ccsk074l0sqeysziqzcoj40>
Since I'm a BOX novice, let me know if you have any problems accessing this link.

Data posted:

1. A NOAA survey ca. 2000, with PDF report;
2. A DNR in-house data for Deepwater Bay collected right after the net pen collapse in 2017. Please make sure you read the README file describing these first two datasets;
3. A clipped CoNed elevation dataset, which may need to be corrected to MLLW (for more info see <https://www.sciencebase.gov/catalog/item/5d72b5dfe4b0c4f70cfa775>);

Let me know if you have any questions about the in-house data.

-Lowell

From: Celeste Barnes <cbarnes@48northsolutions.com>
Sent: Monday, July 17, 2023 3:53 PM
To: DICKSON, LOWELL (DNR) <LOWELL.DICKSON@dnr.wa.gov>
Cc: RECHNER, MICHAL (DNR) <MICHAL.RECHNER@dnr.wa.gov>; Gorman, Thomas (DNR) <Thomas.Gorman@dnr.wa.gov>; Cameron Fisher <cfisher@48northsolutions.com>; cvinick@mac.com
Subject: RE: Tokitae Meeting - Cooke Aquaculture documents

External Email

Hi Lowell,

Thank you very much for this information. Do you know if DNR has any fine-scale bathymetry data for Deepwater Bay and/or surrounding area that could be shared with us? We have found publicly available data at 100-meter resolution, but anything finer would greatly improve our ability to analyze the area; preferably 30-meter or finer. Appreciate your help!

All the best,
Celeste

Celeste Barnes-Crouse | she/her
Environmental Scientist



48 North Solutions, Inc.
1275 12th Ave NW, STE 8
Issaquah, WA 98027
cbarnes@48northsolutions.com
O: (206) 900-1388 ext. 5 | C: (206) 818-5894
W: www.48northsolutions.com

From: DICKSON, LOWELL (DNR) <LOWELL.DICKSON@dnr.wa.gov>
Sent: Friday, July 14, 2023 3:22 PM
To: Celeste Barnes <cbarnes@48northsolutions.com>
Cc: RECHNER, MICHAL (DNR) <MICHAL.RECHNER@dnr.wa.gov>; Gorman, Thomas (DNR) <Thomas.Gorman@dnr.wa.gov>; Cameron Fisher <cfisher@48northsolutions.com>; cvinick@mac.com
Subject: FW: Tokitae Meeting - Cooke Aquaculture documents

Hello Celeste,

Mike Rechner requested I help you guys access any available environmental documents we have, either a.) for the Cooke Aquaculture net pen site on Cypress Island, or b.) other additional resources. Unfortunately, I've found few resources with robust oceanographic or biological/environmental details at the Cypress net pen site.

As you may know, net pens were established at Cypress a couple decades ago, and have changed hands at least once. Ecology's NPDES permitting site contains many [historic permitting documents](#), three of which I've attached to this email that may contain some site information. Cook's net pen #3 (NPDES #WA0031585) appears to provide the most geographically relevant information for the proposed site. I have not found any historic Biological Opinions or Biological Assessments supporting the USACE permit for the original net pens. You are probably also aware of the 2017 [Cypress Island atlantic salmon net break](#), with [joint agency report](#) on Cook's response, and associated [engineering inspection report for netpen #3](#) which contains some additional background, including a bit of bathymetric and vessel traffic data. DNR's combined [Cypress Island Comprehensive Mgt. Plan](#) broadly describes ecosystem conditions and management recommendations for both the uplands and aquatic portions. Unfortunately, we have very few historic files (i.e. data,

maps) supporting creation of the Plan. Note that DNR Aquatics Division only manages public tidelands and bedlands, while the upland portions are managed by [DNR's Natural Heritage Program](#).

DNR Aquatics also conducts [Puget Sound-wide monitoring of aquatic vegetation](#) (kelp, eelgrass), and has a new [floating kelp monitoring mapper](#). Besides the web map, this page has links to additional kelp and eelgrass resources.

Other than these, I haven't come across any other site-specific resources yet.

Let me know how I can assist you further, clarify, or answer additional questions. Hopefully all of my hyperlinks work; if not let me know! Feel free to just reach out by phone.

-Lowell Dickson

Lowell Dickson (he/him)
Habitat Stewardship Planner
Washington Department of Natural Resources
Olympia, Wa.
(360) 628-2560

From: RECHNER, MICHAL (DNR) <MICHAL.RECHNER@dnr.wa.gov>
Sent: Wednesday, July 12, 2023 1:14 PM
To: DICKSON, LOWELL (DNR) <LOWELL.DICKSON@dnr.wa.gov>
Subject: FW: Tokitae Meeting - Cooke Aquaculture documents

Lowell,

This is the email I was talking about earlier. Would you reach out to them and see how we can help?

Thanks!

Michal Rechner (he/him)
michal.rechner@dnr.wa.gov
www.dnr.wa.gov
Mobile: 360.791.3402

From: Celeste Barnes <cbarnes@48northsolutions.com>
Sent: Thursday, July 6, 2023 2:05 PM
To: RECHNER, MICHAL (DNR) <MICHAL.RECHNER@dnr.wa.gov>; Gorman, Thomas (DNR) <Thomas.Gorman@dnr.wa.gov>
Cc: CHARLES VINICK <cvinick@mac.com>; Cameron Fisher <cfisher@48northsolutions.com>
Subject: Tokitae Meeting - Cooke Aquaculture documents

External Email

Hello Mike and Thomas,

Thank you again for meeting with us last week to discuss Tokitae's relocation from the Miami Seaquarium to a new enclosure in Washington waters. We appreciate your time and support as we navigate this effort.

As we discussed during the meeting, the information from the Cooke Aquaculture documentation could provide helpful insights for this project and the site selection process. Could you please share with us any documents you have accessible? Thank you.

Please feel free to stay in touch as we move forward!

Kind regards,
Celeste

Celeste Barnes-Crouse | she/her
Environmental Scientist



48 North Solutions, Inc.
1275 12th Ave NW, STE 8
Issaquah, WA 98027
cbarnes@48northsolutions.com
O: (206) 900-1388 ext. 5 | C: (206) 818-5894
W: www.48northsolutions.com