

NSRAA

Hidden Falls Hatchery

Allow up to 40 million Macaulay Salmon Hatchery stock chum salmon green eggs to be incubated for release in Thomas Bay.

**PERMIT ALTERATION REQUEST**

Page 1

**STATE OF ALASKA  
DEPARTMENT OF FISH AND GAME  
PRIVATE NONPROFIT PROGRAM**

**I. IDENTIFICATION OF APPLICANT**

**A. Applicant Information**

<u>Scott Wagner</u>		<u>NSRAA</u>
Applicant Name		Organization
<u>1308 Sawmill Creek Rd</u>		<u>907 747-6850</u>
Address		Phone Number
<u>Sitka</u>	<u>AK</u>	<u>99835</u>
City	State	Zip

**B. Hatchery Information**

<u>Hidden Falls Hatchery</u>	<u>#28</u>
Hatchery Name	PNP Permit Number

**II. STATEMENT OF APPLICANT'S GOALS AND OBJECTIVES**

- A. Describe the nature of the requested alteration, why you have decided to request it, and what you generally expect to accomplish by the expansion of your program, including answers to the following questions. Will the proposed project affect wild salmon stocks or existing fisheries? How will a significant contribution to common property fisheries be made? How will potential effects and interactions between introduced or enhanced stocks and wild stocks be assessed? What marking and recovery studies are being proposed that will allow the project to be evaluated? What are the potential benefits to fisheries or wild stocks from the proposed project? Has this project been discussed with the department's area or regional management biologists? (Attach additional pages as necessary.)

NSRAA proposes to incubate at HFH up to 40 million DIPAC chum salmon, for release in Thomas Bay, during shortfalls of Hidden Falls Hatchery (HFH) chum broodstock. NSRAA possesses an NPA for 20 million DIPAC chum, for release at SE Cove (expires 2019), during shortfalls of chum broodstock at HFH. This NPA has a 2 stipulations;

- 1) Different chum salmon stocks released at SE Cove will have differential otolith marks (100%).
- 2) If Gunnuk Creek Hatchery (GCH) is being operated as a chum salmon hatchery at a time when Gastineau stock chum salmon are returning to SE Cove: and otolith sampling at the GCH rack during egg take indicates Gastineau stock are present in the spawned broodstock at

an unacceptable rate, as determined by ADF&G genetics staff, to the degree that those mixed stock eggs will not be permitted to be released; then replacement eggs of the appropriate stock and number must be made available to the GCH operator by NSRAA at a reasonable market value.

In 2015 when the MCH to HFH chum NPA was obtained NSRAA did not own or operate GCH nor have Thomas Bay as a permitted release site under the HFH permit. Since then both of those conditions have changed. Stipulation 2 has the potential to result in eggs taken at GCH having to be destroyed due to presence of DIPAC stock chum mixed in the hatchery returns. NSRAA does not propose to request for an extension of the 2015 NPA, expiring in 2019, allowing release of MCH chum stock at SE Cove if this request is approved. Thomas Bay is a more appropriate release site for this stock due to distance from both HFH and GCH.

The requested 40 million green eggs is to match the Thomas Bay permitted number for HFH chum salmon stock of up to 40 million green eggs. In 2018 HFH had a broodstock shortfall of approximately 40 million eggs and was able to obtain 18 million MCH chum salmon eggs. Under the existing HFH permit these have to be released at SE Cove. This request would allow those eggs to go to Thomas Bay in early 2019 and alleviate the concern in stipulation 2 of the NPA. NSRAA requests that this NPA does not have an expiration similar to all other HFH NPA's.

NSRAA will 100% otolith mark fry, with a unique HFH-DIPAC/Thomas Bay mark, to determine marine survival and interception rates in existing fisheries in the Chatham corridor. Otolith sampling will occur on catches in the THA/SHA during common property fisheries and cost recovery operations.

This PAR was discussed at the fall 2017 RPT.

**PERMIT ALTERATION REQUEST**

Continued-page 2

III. **IMPACTS ON EXISTING HATCHERY PROGRAM**

A. **Present Permitted Capacity**  
(numbers of green eggs by species)

Pink	_____	Coho	7.7 million + 1 million non-NSRAA
Chum	101 million (HF) + 24 million (MCIF) + 55 million non-NSRAA	Chinook	3.8 million
Sockeye	_____	Other	_____

B. **Capacity After Request**  
(numbers of green eggs by species)

Pink	_____	Coho	No Change
Chum	No Change	Chinook	No Change
Sockeye	_____	Other	_____

C. **Water Use**

1. **List the total amount of water available and the source.**

Approximately 40 cfs is available (based on water rights, far more water is available in the watershed) from Hidden Falls Lake. Water can be taken from one of two inlet pipes in the lake (A-line upper water column or B-line lower water column). A portion of the intake water is run through the hydro plant and re-used for incubation and rearing. Intake water can bypass the hydro plant for multiple production uses.

2. **List the amount of water presently being used.**

41 cfs is used at peak demand.

3. **List the additional amount of water needed for this alteration.**

No additional water is needed for this request.

**PERMIT ALTERATION REQUEST**

Continued-page 3

**IV. HATCHERY DESIGN**

- A. Please provide a detailed description of new facilities needed with this alteration (e.g., buildings, incubators, rearing space, piping, etc.). This description should represent a solid concept of the proposed hatchery changes/expansion. Drawings showing the layout of new structures should be attached when appropriate.

No Changes to hatchery design or facilities.

**V. DECLARATION AND SIGNATURE**

I declare that the information given in this application is, to my knowledge, true, correct, and complete.

Scott Wagner

\_\_\_\_\_  
Name of Applicant

\_\_\_\_\_  
Date Signed

See attached email for receipt.

\_\_\_\_\_  
Signature of Applicant

**From:** Scott Wagner  
**To:** [Vercessi, Lorraine J \(DFG\)](#)  
**Subject:** NSRAA PAR HFH to Thomas Bay Dipac chum  
**Date:** Friday, October 12, 2018 9:32:47 AM  
**Attachments:** [HF-Thomas Bay DIPAC chum 2018.docx](#)

---

Lorraine,  
See attached. Please give me a call to discuss once you have reviewed.

Scott Wagner  
NSRAA-Operations Manager  
1308 Sawmill Creek Rd  
Sitka, AK 99835

office: 907 747-6850  
cell: 907 738-2729