



# Upland Fin-Fish Hatchery and Rearing Application

## Notice of Intent

NOI Version: 1

Application Type: ☐ New ☒ Renewal

Permit Number: WAG131019

Application Id: 29854

### I. Contact Information

#### Legal Responsible Party

Honorific: First Name: Kelly Last Name: Susewind  
Organization Name: WDFW Title: Director  
Mailing Address: PO Box 43200  
City: Olympia State: WA Zip Code: 98504-3200  
Email:  
Primary Phone: 360-902-2200 Secondary Phone:  
UBI Number:

#### Permittee

Honorific: First Name: Last Name:  
Organization Name: WDFW Title:  
Mailing Address: PO Box 43200  
City: Olympia State: WA Zip Code: 98504-3200  
Email:  
Primary Phone: 360-902-2200 Secondary Phone:  
UBI Number:

#### Site Contact

Honorific: First Name: Jorge Last Name: Villarreal  
Organization Name: WDFW Title: Fish Hatchery Specialist 4  
Mailing Address: 40 W Skokomish Valley Rd  
City: Shelton State: WA Zip Code: 98584-9756  
Email: Jorge.Villarreal@dfw.wa.gov  
Primary Phone: 360-877-2737 Secondary Phone:  
UBI Number:

#### Site Contact

Honorific: First Name: Kevin Last Name: Kitchell  
Organization Name: WDFW Title: Fish Hatchery Specialist 3  
Mailing Address: 40 W Skokomish Valley Rd  
City: Shelton State: WA Zip Code: 98584-9756  
Email: Kevin.Kitchell@dfw.wa.gov  
Primary Phone: 360-427-2161 Secondary Phone:  
UBI Number:

## II. Facility Information

**Facility Name:** George Adams Hatchery

**Street Address:** 40 W SKOKOMISH VALLEY RD

**City:** SHELTON

**County:** Mason

**Zip Code:** 98584

**Latitude:** 47.301361

**Longitude:**

In the last five years, has the facility been remodeled, upgraded, or expanded?

☐ Yes ☒ No

Was notice given to Ecology?

☐ Yes ☐ No

Date submitted

Was an engineering report required for the modification?

☐ Yes ☐ No

Date submitted

Being Drafted ☐

## III. Rearing Facility

Rearing Facility Type	Quantity
Raceway (permanent)	8
Rearing pond (<2 hr detention)	3
Adult holding basin or raceway	1
Incubator stacks	56
Troughs for rearing fry	12

## IV. Other Permits/Registration

None

## V. Water Sources (Intakes)

Intake Number	Intake Name	Water Source Name	Intake Type	Latitude	Longitude
IN4	Springs wells	Springs wells	Surface water	47.30139923 0957	- 123.1819839 47754
IN3	Ellis Creek	Ellis Creek	Surface water	47.30058670 04395	- 123.1849517 82227
IN2	Purdy Ck lower	Purdy Creek	Surface water	47.30022048 9502	- 123.1822204 58984
IN1	Purdy Crk up	Purdy Crk up	Surface water	47.29968261 71875	- 123.1822967 5293
IN5	Pond 10	Pond 10	Surface water	47.30364990 23438	- 123.1856155 39551

## VI. Discharge/Receiving Water

### Location of Discharge (Outfall Location)

Outfall Number	Outfall Description	Surface Waterbody Name	Outfall Type	Latitude	Longitude
001	Purdy Creek	Purdy Creek	Surface Water Body	47.30187606 81152	- 123.1815567 0166

OFF	Offline Settling Basin	Offline Settling Basin	Surface Water Body	47.30195617 67578	- 123.1838607 78809
005	Purdy Creek	Purdy Creek	Surface Water Body	47.30329132 08008	- 123.1809692 38281
004	Purdy Creek	Purdy Creek	Surface Water Body	47.30186462 40234	- 123.1833190 91797
003	Purdy Creek	Purdy Creek	Surface Water Body	47.30247116 08887	- 123.1826095 58106

**Location of Discharge/Sampling Location (Monitoring Points)**

Monitoring Point Code	Monitoring Point Name	Monitoring Point Type	Outfall Number	Active	Latitude / Longitude
PROD	Production Related Parameters	Calculated	001	Yes	47.30187606 81152 - 123.1815567 0166
LIM	Limit Net	Rearing Pond/Raceway Discharges	001	Yes	47.30187606 81152 - 123.1815567 0166
EF	Efluent Values When net limits used	Rearing Pond/Raceway Discharges	001	Yes	47.30187606 81152 - 123.1815567 0166
DIS	Rearing Vessel Disinfection	Rearing Vessel Disinfection	001	Yes	47.30187606 81152 - 123.1815567 0166
DR	Drawdown for fish release	Drawdown	001	Yes	47.30187606 81152 - 123.1815567 0166
OFF	Offline Settling	Offline settling basin discharges	OFF	Yes	47.30195617 67578 - 123.1838607 78809
IN1	Intake	Intake - Surface Water	IN1	Yes	47.29968261 71875 - 123.1822967 5293
005	Purdy Creek	Surface Water	005	Yes	47.30329132 08008 - 123.1809692 38281

004	Purdy Creek	Surface Water	004	Yes	47.30186462 40234 - 123.1833190 91797
003	Purdy Creek	Surface Water	003	Yes	47.30247116 08887 - 123.1826095 58106

## VII. Treatment Information

### Water and Wastewater Treatment Systems Information

Chapters 90.48 and 90.54 RCW require that all discharges discharging to waters of the state use All Known, Available, and Reasonable Treatment (AKART) methods to prevent and control pollution. All known, available, and reasonable treatment for the upland fin-fish hatching and rearing industry has been determined to be settling for a minimum of 60 minutes of the entire facility's wastewater prior to discharge or the inline settling of solids with periodic removal by vacuuming or similar techniques to an offline settling basin with a detention time of 24 hours or more.

#### Indicate the type of effluent treatment provided at this facility.

##### In-line settling basins

Do any rearing units discharge through the in-line settling basin?

☐ Yes ☒ No

If yes, explain:

##### Offline settling basins

Does the facility use an offline settling basin for wastes from cleaning raceways?

☒ Yes ☐ No

If yes, provide the following information:

Overflow rate (gpd per sq ft):

0

Basin size:

Length:

96.0 ft

Width:

19.0 ft

Depth:

4.7 ft

Is there a mechanism to block discharge of floating material?

☒ Yes ☐ No

Estimate the number of discharges from offline setting basin per year:

12.0

##### Construction of offline settling basin

Liner Material	Thickness	Year Constructed
Concrete	<input checked="" type="checkbox"/>	2009
Asphalt	<input type="checkbox"/>	
Clay or Earthen	<input type="checkbox"/>	
Plastic PVC/HDPE/other	<input type="checkbox"/>	

How many times per year are these cleaned?

0.1

If an offline settling basin is used for cleaning wastes, is there a quiescent zone at the end of the last raceway or rearing pond in each series?

☐ Yes ☒ No

If yes, explain:

##### Rearing pond and raceway cleaning process

How many times per year are ponds cleaned?

8

How many times per year are raceways cleaned?

140

Methods of cleaning:

Vacuuming and Hosing

What is done with the removed solids?

Vacuumed into the OSB

Are ponds cleaned before fish release?

☒ Yes ☐ No

Does this facility have a permit from the local Health District for solids disposal?

☐ Yes ☒ No

If yes, explain:

### Other wastes

Are any liquid or solid wastes discharged to ground?

☐ Yes ☒ No

If yes, explain:

Are any wastes (other than domestic sewage) discharged to a septic system?

☐ Yes ☒ No

If yes, explain:

Are any solids or wastes (other than domestic waste) discharged to a publicly owned treatment works (POTW)?

☐ Yes ☒ No

If yes, name of POTW:

Are wastes discharged to any other waste treatment system?

☐ Yes ☒ No

If yes, explain:

### Water

Provide the following information on water sources used by the facility for rearing fish.

Indicate the types of water sources used at the facility:

Springs	<input checked="" type="checkbox"/>
Stream	<input checked="" type="checkbox"/>
Surface water	<input type="checkbox"/>
Well	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/> Spring Water

Are flows measured at source?

☐ Yes ☒ No

If yes, explain:

Are flows measured at outlet?

☒ Yes ☐ No

If yes, explain:

At outflow of ponds or at inflow from manifold into ponds

Are flows measured at other?

☒ Yes ☐ No

If yes, explain:

At outflow of ponds or at inflow from manifold into ponds

### VIII. Production Information

## Production and Process Information

### Fish Production

Fill in the following table for the highest production expected in the next five years. List the maximum amount of fish on hand and the maximum amount of food fed per month for the year of maximum production.

Month	Fish (pounds)	Food (pounds)	Month	Fish (pounds)	Food (pounds)
January	44342	5759	July	13406	2647
February	49458	9029	August	19184	3660
March	51051	11479	September	23926	4689
April	65225	18422	October	28488	3523
May	63372	7230	November	35304	4202
June	10682	2322	December	38171	4148

List your maximum amount of fish on hand in one month from your 2015 application:

53368

Have you expanded or changed production or do you anticipate a production expansion from your initial application (or since 1995)?

☒ Yes ☐ No

If yes, explain:

Received an additional 125,000 Quilcene Coho for transfer to the Port Gamble Net pens

Method of feeding:

Estimate the percent of food fed using that method.

Hand Feed Percent	Automatic Timed Feed Percent	Automatic Demand Feed Percent
100	0	0

### Other Processes

Does this facility process fish for market at this location?

☐ Yes ☒ No

Are fish spawned on-site?

☒ Yes ☐ No

Describe wastes generated as a result of on-site spawning: (For example, blood, anesthetics, disinfectants, carcasses.)

Blood, eggs, tissue, carcasses

Describe how spawning wastes are handled:

Tissue, eggs and carcasses removed. Blood diluted with hatchery effluent. Carcasses disposed/removed from site.

### IX. State Environmental Policy Act (SEPA)

This Notice of Intent (NOI) is incomplete and cannot be approved until the applicable SEPA requirements under Chapter 197-11 WAC are met.

SEPA and Public Notice sections apply only to facilities that began operations after August 1, 2021. If the facility began operations before this date, these sections do not need to be filled out.

### X. Public Notice

**Public Notice applies to facilities that began operations on or after August 1, 2021.**

You must publish a public notice at least **once** a week for **two** consecutive weeks with **seven days** between publications, in at least a **single** newspaper of general circulation in the county in which the facility is located. Ecology cannot grant permit coverage sooner than the end of the 30-day public comment period, which begins on the date of the **second** public notice.

Newspaper Name	First Public Notice Date	Second Public Notice Date
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**XI. Certification of Permittees**

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*"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

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Permittee Signature

9/21/2020

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Date