

# Rainbow Trout HACCP Plan

(Hazard Analysis and Critical Control Point)

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## 1. Product Description

<b>Firm Name:</b>	Willow Beach National Fish Hatchery
<b>Firm Address:</b>	HC 37 PO Box 17 Willow Beach, AZ, 86445
<b>Species of fish:</b>	Rainbow Trout
<b>Cultured, wild harvested, or both:</b>	Cultured
<b>Harvest method:</b>	Crowding, netting, and or pumping
<b>Method of distribution and storage:</b>	Raceway reared, distributed by truck
<b>Intended use and consumer:</b>	Public Waters for fishing

## 2. Flow Diagram

<b>Step 1</b>	Eyed eggs are received in February, April, July, and September
<b>Step 2</b>	Eggs are rolled until hatching is complete
<b>Step 3</b>	Fry are screened and placed in indoor flow-through raceways
<b>Step 4</b>	Fry are fed and tanks are cleaned daily for approximately 3 months
<b>Step 5</b>	Fingerlings are moved to outdoor flow-through raceways
<b>Step 6</b>	Fish are fed and raceways are cleaned daily
<b>Step 7</b>	Fish are monitored for growth monthly
<b>Step 8</b>	Fish are split as needed
<b>Step 9</b>	Trout are loaded into distribution tanks
<b>Step 10</b>	Trout are stocked into public waters

## 3. Potential Hazards

List aquatic species here that are found in hatchery water supply or local waters that could potentially hitchhike to receiving waters and cause ecological harm. These are called *Aquatic Nuisance Species* (ANS).

- a. **ANS Fish:** Includes common carp, and striped bass
- b. **ANS Other Vertebrates:** none
- c. **ANS Invertebrates:** none
- d. **ANS Plants:** Includes algae (*Spyrogyra*)

## 4. Hazard Analysis Worksheet

(1) Harvest or Aquaculture Step	(2) Identify potential ANS hazards introduced or controlled at this step (1)	(3) Are any potential ANS hazards significant? (Yes/No)	(4) Justify your decisions for column 3.	(5) What preventive measures can be applied to prevent the significant hazards?	(6) Is this step a critical control point? (Yes/No)	
1) Eggs are received in February, April, July, and September	Fish	No	Eggs are sorted at shipping hatchery	n/a	No	
	Other Vertebrates	No	A	n/a	No	
	Invertebrate	No	A	n/a	No	
	Plant	No	A	n/a	No	
2) Eggs are rolled until hatching is complete	Fish	No	Water is sand filtered prior to use	n/a	No	
	Other Vertebrates	No	A	n/a	No	
	Invertebrate	No	A	n/a	No	
	Plant	No	A	n/a	No	
3) Fry are screened and placed in indoor flow-through raceways	Fish	No	No ANS can be introduced at this step	n/a	No	
	Other Vertebrates	No		n/a	No	
	Invertebrate	No		A	n/a	No
	Plant	No		A	n/a	No
4) Fry are fed and tanks are cleaned daily for approximately 3 months	Fish	No	Entrainment in pipeline is unlikely at this step due to small diameter of pipes	n/a	No	
	Other Vertebrates	No	A	n/a	No	
	Invertebrate	No	A	n/a	No	
	Plant	Yes	ANS could be present	Daily cleaning removes ANS from tanks	No	
5) Fingerlings are moved to outdoor flow-through raceways	Fish	No	No ANS can be introduced at this step	n/a	no	
	Other Vertebrates	No		n/a	no	
	Invertebrate	No		A	n/a	no
	Plant	No		A	n/a	no
6) Fish are fed and raceways are cleaned daily	Fish	No	Water passes through settling basin and then through small screens before entering raceways	n/a	no	
	Other Vertebrates	No	A	n/a	no	
	Invertebrate	No	A	n/a	no	
	Plant	Yes	ANS could be present	Daily cleaning removes ANS from raceways	no	
7) Fish are monitored for growth monthly	Fish	No	No ANS can be introduced at this step	n/a	No	
	Other Vertebrates	No		n/a	No	
	Invertebrate	No		A	n/a	No
	Plant	No		A	n/a	No
8) Fish are split as needed	Fish	No	No ANS can be introduced at this step	n/a	No	
	Other Vertebrates	No		n/a	No	
	Invertebrate	No		A	n/a	No
	Plant	No		A	n/a	No
9) Trout are loaded into distribution tanks	Fish	No	No ANS can be introduced at this step	n/a	No	
	Other Vertebrates	No		n/a	No	
	Invertebrate	No		A	n/a	No

(1) Harvest or Aquaculture Step	(2) Identify potential ANS hazards introduced or controlled at this step (1)	(3) Are any potential ANS hazards significant? (Yes/No)	(4) Justify your decisions for column 3.	(5) What preventive measures can be applied to prevent the significant hazards?	(6) Is this step a critical control point? (Yes/No)
	Plant	No	A	n/a	No
10) Trout are stocked into public waters	Fish	No	No ANS can be introduced	n/a	No
	Other Vertebrates	No	at this step	n/a	No
	Invertebrate	No	A	n/a	No
	Plant	No	A	n/a	No

## 5. HACCP Plan Form

(1) Critical Control Point (CCP)	(2) Significant Hazard(s)	(3) Control Measures	Monitoring				(8) Corrective Actions(s)	(9) Records	(10) Verification
			(4) What	(5) How	(6) Frequency	(7) Who			
None									

Firm Name:	Willow Beach National Fish Hatchery	Species of Fish:	Rainbow Trout
Firm Address:	HC 37 PO Box 17 Willow Beach, AZ, 86445	Method of Storage and Distribution:	Indoor and outdoor raceways, and distribution truck
Signature:		Intended Use and Consumer:	Sport fishing by public
Date:			