

INTERLOCAL COOPERATION AGREEMENT

Chelan/Grant Hatchery Sharing Agreement

Chelan PUD No. SA 11-079

Grant PUD No. 430-3139

THIS AGREEMENT is made by and between PUBLIC UTILITY NO. 1 OF CHELAN COUNTY, WASHINGTON ("Chelan"), and PUBLIC UTILITY DISTRICT NO. 2 OF GRANT COUNTY, WASHINGTON ("Grant"). Chelan and Grant are hereafter referred to, collectively, as the "Parties."

RECITALS

- a) Public Utility Districts are authorized pursuant to RCW 39.34 to enter into cooperative agreements
- b) Chelan implements hatchery production under the authority, terms and conditions of the Rocky Reach and Rock Island Habitat Conservation Plans (RR HCP and RI HCP).
- c) Chelan's HCPs established Hatchery Committees to oversee development of recommendations for implementation of the hatchery elements of the HCPs that the District is responsible for funding.
- d) Chelan's HCP hatchery production obligations are adopted in Federal Energy Regulatory Commission Licenses for Rock Island (FERC Project No. 943) and Rocky Reach (FERC Project No. 2145).
- e) Chelan owns and operates hatchery facilities including Eastbank Hatchery, Dryden Acclimation Pond, Carlton Acclimation Pond, Tumwater Weir and Trap, and Dryden Weir and Trap and Lake Wenatchee Net Pens.
- f) Grant implements hatchery production under the authority, terms and conditions of the Priest Rapids Salmon and Steelhead Settlement Agreement (Salmon Agreement), a component of the Priest Rapids Hydroelectric Project License (FERC Project No. 2114).
- g) The Priest Rapids Coordination Committee (PRCC) is the forum formed under the Priest Rapids Salmon and Steelhead Agreement for purposes of coordinating and implementing that agreement. The PRCC includes the PRCC Hatchery Subcommittee which is specifically tasked with the planning and implementation of Grants hatchery programs.
- h) The expiration date of Chelan's HCPs, Rocky Reach License and Grant's Priest Rapids License is 2052.
- i) The Parties recognize that this Agreement benefits both Chelan and Grant by reducing the hatchery construction and operational costs that would be borne individually in the absence of this Agreement
- j) The Parties recognize that water conservation is a fundamental component of hatchery operations and requires the commitment of both parties to maintain the integrity of hatchery water sources

I. COMPREHENSIVE PURPOSE and SCOPE

The purpose of this Interlocal Agreement is to set forth the Parties' agreement to utilize or develop hatchery capacity at existing Chelan owned hatchery facilities or properties to support Grant's hatchery production obligations. This agreement also covers operations, maintenance, and monitoring and evaluation activities associated with the production of hatchery fish from the capacity described herein.

For the purpose of this Agreement, hatchery capacity comprises BOTH water and vessel space (i.e., trays, tanks, raceways, ponds, etc.) and all of the associated components and systems that are required to culture fish in a hatchery environment. This includes but is not limited to buildings, pumps, pipes, alarms, vessels and all other infrastructure and equipment within the perimeter of a hatchery where fish culture occurs; as well as the vehicles, traps, and weirs that support the collection of broodstock or transport of fish or gametes external to the perimeter of a hatchery where culture occurs.

New hatchery capacity is created by combining a source of water (new or existing) with vessel space (new or existing) and all of the associated components and systems (new or existing) that are required to support specific fish culture activities that, heretofore, did not exist

Existing hatchery capacity is represented by a documented combination of a source of water , vessel space and all of the associated components and systems (new or existing) that are required to support specific fish culture activities.

Attachment 1 of this Agreement is divided into two primary sections: SECTION 1, *Design and Construction of New Capacity*; and SECTION 2, *Operations, Maintenance, Monitoring and Evaluation*.

Related to SECTION 1, *Design and Construction of New Capacity*, this section is divided into two discrete subsections: (1.1) Stage 1-Incubation and adult holding at Eastbank Hatchery; and (1.2) Stage 2-Early rearing at Eastbank Hatchery. Each stage of capacity development and construction has an individual Purpose and Scope, Period of Performance, Obligations, Ownership, and Payment subsection.

Related to SECTION 2, *Hatchery Operations, Maintenance, Monitoring and Evaluation*, this section addresses: Hatchery Operations, Maintenance, Monitoring and Evaluation. Section 2 has a Purpose and Scope, Obligations, and Payment subsection.

II. PERIOD of PERFORMANCE

The period of performance of this Agreement shall commence upon execution of the Agreement and continue until January 1, 2052, the expiration year of Chelan's HCPs, Rocky Reach License, and Grant's Priest Rapids License.

III. CHANGES TO SCOPE, COSTS ESTIMATE OR SCHEDULE

The Purpose and Scope, costs or schedule shall not be changed except in writing agreed to by both parties. The scope and cost estimates constitute the best estimate of the fees and tasks required to

create hatchery capacity and perform the services as defined. This Agreement, upon execution by both parties hereto, can be amended only in writing and signed by both parties.

IV. TERMINATION

By mutual written agreement, the Parties may terminate this Agreement at any time provided that (1) fish health and welfare is not compromised at Chelan hatchery facilities, (2) any associated fish transfers or releases are approved by the HCP and PRCC Hatchery Committees, and (3) the parties shall be liable for performance rendered and costs incurred in accordance with the terms of this Agreement up to the agreed execution date of termination.

One-way termination by Chelan may occur upon one year written notification to Grant in the event that Grant does not fulfill all of its obligations described in the Agreement. Chelan may also terminate this Agreement in the event Chelan loses the right to operate its hatchery facilities as the result of a regulatory act (e.g., the loss of water rights, termination of HCPs, loss of FERC license) or legal injunction. If Chelan loses its right to operate its hatcheries, notification to Grant would occur within 30 days of an aforementioned event.

One-way termination by Grant may occur (1) upon one year written notification to Chelan in the event that Chelan does not fulfill all of its obligations described in the Agreement or (2) upon two year written notification to Chelan for any other reason.

In the event the Agreement is terminated by Grant or Chelan, but not mutually, the final transfer or release of Grant's fish from Chelan's facilities must comply with the requirements of the HCP Hatchery Committees and PRCC Hatchery Subcommittee and related fish production agreements. The Parties recognize that the health and welfare of the hatchery fish may not be compromised and Chelan retains the authority to ensure that all fish located at Chelan owned facilities are cared for by its Hatchery Operator until final transfer or release. The Parties shall be liable for performance rendered and costs incurred in accordance with the terms of this Agreement until final transfer or release of Grant's Fish from Chelan owned hatchery facilities.

Under all circumstances, written notification of termination of this Agreement will be performed by the Parties' General Manager or his/her designee.

V. FORCE MAJEURE

No Party shall be liable to the other Party for breach of this Agreement as a result of a failure to perform or for delay in performance of any provision of this Agreement if such performance is delayed or prevented by Force Majeure. Force Majeure shall be defined as an event not foreseeable by or within control of the Party. The Party whose performance is affected by Force Majeure shall notify the other Party in writing within 24 hours, or as soon thereafter as practicable, after becoming aware of any event that such affected Party contends constitutes Force Majeure. Such notice will identify the event causing the delay or anticipated delay, estimate the anticipated length of delay, state the measures taken or to be taken to minimize the delay, and estimate the timetable for implementation of the measures. The affected Party shall make all reasonable efforts to promptly resume performance of this Agreement and, when able, to resume performance of its

obligations and give the other Party written notice to that effect. Upon receipt of notice of a Force Majeure event, any Party may request that the Parties engage in discussion in an effort to modify this Agreement in a mutually satisfactory manner.

VI. INDEMNITY OF WAIVER OF CLAIMS

Grant and Chelan agree to hold each other harmless for injuries suffered by their own employees or contractors/subcontractors. This indemnity obligation specifically includes liability or alleged liability that may arise from injury or loss suffered by an employee of either party regardless of any immunity provided by the Washington Industrial Insurance Act, RCW Title 51, or any other applicable law.

The terms of this section, specifically including the waiver of immunity, shall be deemed mutually negotiated to the fullest extent allowed by the laws of Washington.

VII. DISPUTE RESOLUTION

In the event that there is a dispute regarding any matter arising under this Agreement, the Parties will engage in the following dispute resolution process:

1. The disputing party will immediately provide written notice to the other Parties of this Agreement, and within ten (10) Business Days of the receipt of the written notice, the Parties' Project Coordinators shall meet in person or by telephone to attempt to resolve the dispute.
2. In the event the Project Coordinators cannot resolve the dispute, within five (5) Business Days following the meeting in subsection (a), the Project Coordinators shall provide written documentation of the dispute to their respective supervisors.
3. Within ten (10) Business Days following receipt of the written documentation of the dispute from the Parties' Project Coordinators, the Project Coordinators' supervisors will meet in person to try to resolve the dispute.
4. Following the meeting set out in subsection (c) and if the Project Coordinators supervisors agree, a further meeting amongst the General Managers, will be held in person within ten (10) working days to try to resolve the dispute.
5. In the event that the foregoing dispute resolution process is not successful in resolving the dispute either Party may proceed to court.

VIII. GOVERNING LAW/VENUE

This Agreement is made, executed under and is to be construed by the laws of the State of Washington. In the event of a suit, the undersigned agree that a visiting judge shall be assigned to

the case so that a resident judge, who is also a customer of either Chelan or Grant, will not hear the case. The substantially prevailing party in any legal action herein shall be entitled to reasonable attorney fees and all reasonable costs, including, but not limited to, expert witness fees and travel and lodging expenses.

IX. EFFECT OF OTHER AGREEMENTS

This Agreement shall not change or affect the responsibilities and obligations of Chelan under its Rocky Reach and Rock Island Habitat Conservation Plans.

This Agreement shall not change or affect the responsibilities and obligations of Grant under its Salmon and Steelhead Settlement Agreement.

This Agreement supersedes Interlocal Agreement 09-074 (Chelan)/430-2794 (Grant) regarding Lake Wenatchee net pens.

X. ALL WRITINGS CONTAINED HEREIN

This Agreement contains all the terms and conditions agreed upon by the Parties. No other understandings, oral or otherwise, regarding the subject matter of this Agreement shall be deemed to exist or to bind any of the Parties hereto.

XI. CONTRACT MANAGEMENT

The Project Coordinator for each of the Parties shall be responsible for and shall be the contact person for all communications and billings regarding the performance of this Agreement.

| | |
|--|---|
| The Project Coordinator for Grant PUD is: | The Project Coordinator for Chelan PUD is: |
| Shannon Lowry, Todd Pearsons (alternate) | Joe Miller, Alene Underwood (alternate) |
| PO Box 878 | 327 N. Wenatchee Avenue |
| Ephrata, WA 98823 | Wenatchee, WA 98801 |
| Phone: (509) 754-0500 | Phone: (509) 661-4472 |
| Fax: (509) 754-5695 | Fax: (509) 661-8108 |

XII. RELATIONSHIP OF THE PARTIES

The employees or agents of each party who are engaged in the performance of this Agreement shall continue to be employees or agents of that party and shall not be considered for any purpose to be employees or agents of the other party.

XIII. COMPLIANCE WITH LAWS, RULES, AND REGULATIONS

The Parties shall comply with all applicable federal, state, and local laws and regulations, all of which are deemed to be incorporated into this Agreement as if fully set forth. All such services provided shall be conducted in accordance with RCW 39.80. Chelan shall ensure compliance with RCW 39.80, if applicable to any services provided under, or related to this Agreement, the Parties shall ensure compliance with RCW 39.80.

XIV. FILING

The Parties shall, in compliance with RCW 39.34, upon execution of this Agreement, post an electronic copy of the Agreement on Grant and Chelan's Websites at the following addresses:

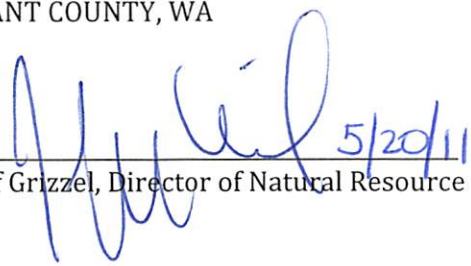
Grant: <http://www.gcpud.org>
and

Chelan: <http://www.chelanpud.org/interlocal-agreements.html>

IN WITNESS WHEREOF, the Parties have executed this Agreement each by its proper respective officers and officials thereunto duly authorized the day and year below.

PUBLIC UTILITY DISTRICT NO. 2
OF GRANT COUNTY, WA

PUD NO. 1 OF CHELAN COUNTY

By:  5/20/11
Jeff Grizzel, Director of Natural Resource

By:  4/13/11
John Janney, General Manager

Attachment 1

1 Design and Construction of New Capacity

Section 1 of this Agreement provides for the design and construction of new hatchery capacity at Eastbank Hatchery to support Grant's hatchery programs. The construction of new capacity is divided into two stages: (1) Adult Holding and Incubation and (2) Early Rearing (occurs after incubation and until transfer to acclimation sites, which typically occurs in October or November).

The maximum capacity constructed for Grant's programs shall be limited by the requirement to reduce existing Eastbank Aquifer withdrawals by at least 10% from the current Eastbank hatchery operations (i.e., based on 2010 hatchery operations for all species and activities at Eastbank). This reduction is specific to the Eastbank Aquifer and reduction could be achieved through water re-use technology, or the utilization of alternative sources of water such as the piping of Rocky Reach Annex water to Eastbank Hatchery. The calculation of the 10% reduction of Eastbank withdrawals utilizes a 2010 basis value of 21,000 gallons per minute; therefore, the maximum water withdrawal from the Eastbank Aquifer, after reduction by 10%, shall not exceed 18,900 gallons per minute.

The funding of new capacity by Grant does not obligate Chelan or their hatchery operators to distribute fish or utilize hatchery capacity according to origin of funding of specific rearing vessels unless required by the HCP or PRCC for biological reasons. More specifically, Chelan's Hatchery Operator will adhere to rearing standards described in this Agreement and only segregate fish by stock and disease profile and not by funding source.

1.1 Adult Holding and Incubation (Stage 1 of New Capacity)

1.1.1 PURPOSE and SCOPE Grant requires new capacity for adult holding and incubation for their White River spring Chinook, Nason Creek spring Chinook, Wenatchee summer Chinook and Methow Summer Chinook programs (Table 1) at Eastbank Hatchery in Wenatchee Washington.

The creation of new incubation and new adult holding capacity will require hatchery improvements at Eastbank Hatchery. These improvements consist of construction projects that will be cost-shared by the Parties at the relative percentages described in Table 2.

Table 1. Grant hatchery program sizes described in smolts as basis for derivation of incubation and adult holding capacity requirements. Italicized text indicates that existing capacity will be utilized to meet Grant’s program needs. The new incubation and adult holding capacity described in this table is the deliverable for Stage 1. Adult holding capacities were taken from Grant PUD HGMPs and include an additional 10% design capacity.

| Production group | Target smolt number plus 10% extra PRCC requirement | Incubation capacity (eggs) | Adult holding capacity (adult spawners) |
|----------------------------|--|-----------------------------------|--|
| White River Spring Chinook | 165,000 | 254,000 | 100 |
| Nason Creek Spring Chinook | 275,000 | 339,500 | 160 |
| Wenatchee Summer Chinook | 306,000 | 402,500 | <i>184 Existing Capacity</i> |
| Methow Summer Chinook | 306,000 | 402,500 | <i>184 Existing Capacity</i> |

Table 2. Incubation and adult holding projects required to support Grant PUD hatchery production capacity at Eastbank. The relative costs borne by Grant and Chelan for each project appear as a percentage of the total (i.e., 100%). These costs include design and construction and are final estimates for the 60% design stage. The percentage share for each party reflects the cost of creating new capacity to support Grant’s programs and thresholds of scaling associated with each improvement.

| Capacity Improvement | Total Estimated Cost | Grant Share | Estimated Grant Cost | Chelan share | Estimated Chelan Cost |
|-----------------------------------|-----------------------------|--------------------|-----------------------------|---------------------|------------------------------|
| Chiller upgrade | \$1,626,405 | 50% | \$813,203 | 50% | \$813,203 |
| Incubation building | \$757,000 | 50% | \$378,500 | 50% | \$378,500 |
| Chemical/fish food storage | \$258,000 | 25% | \$64,500 | 75% | \$193,500 |
| Well motor control center upgrade | \$894,716 | 50% | \$447,358 | 50% | \$447,358 |
| Adult holding pond | \$1,800,000 | 50% | \$900,000 | 50% | \$900,000 |
| TOTAL | \$5,336,121 | | \$2,603,561 | | \$2,732,561 |

1.1.2 **PERIOD of PERFORMANCE** The capacity described in Table 1 represents the deliverable for Stage 1-Incubation and Adult Holding and will be available to Grant PUD by September 1, 2011 and, thereafter, for the period of performance of the Agreement. The Parties may, by mutual written agreement, amend or modify the construction schedule of incubation and holding facilities.

1.1.3 **OBLIGATIONS** The parties agree to the following obligations

CHELAN SHALL

1.1.3.1 Obtain all permits and regulatory approvals necessary for constructing new capacity

1.1.3.2 Design all of the new incubation and adult holding capacity

1.1.3.3 Procure all supplies, equipment, and materials necessary for construction of hatchery capacity

1.1.3.4 Administer and manage all aspects of capacity construction

1.1.3.5 Create new capacity for incubation and adult holding to support Grant's production obligations described in Table 1 and design criteria agreed to by the parties in Tables 7 and 8

1.1.3.6 Obtain approvals from the Rocky Reach and Rock Island Hatchery Committees necessary for incubation and adult holding of Grant's hatchery production at Eastbank Hatchery.

GRANT SHALL

1.1.3.7 (1) Review and verify the capacity represented in Chelan's 60% project designs as sufficient to meet Grant's production obligations and (2) by November 1, 2010, provide written authorization to Chelan to concurrently complete design work and initiate construction of capacity.

1.1.3.8 Fund Grant PUD's portion of the design and construction of all projects described in Table 2.

1.1.3.9 Obtain approvals from the PRCC Hatchery Sub-Committee necessary to utilize incubation and adult holding capacity at Chelan's Eastbank Hatchery

- 1.1.4 **PAYMENT** Grant shall provide payment for the creation of new hatchery capacity upon the completion of design and construction. Grant will reimburse Chelan, in full, for Grant PUD's portion of the design work upon execution of this Agreement. The design phase will be deemed complete when the projects are sent out to bid. The estimated reimbursement date for design work is March 1, 2011. Grant will reimburse Chelan, in full, for Grant PUD's portion of the construction of hatchery capacity upon substantial completion of construction. The estimated reimbursement date for construction of incubation and adult holding capacity is September 1, 2011. Estimated total costs (design and construction) are provided in Table 2. Grant's share of the total cost of designing and constructing its portion of new incubation and adult holding capacity shall not exceed \$2,603,561 dollars. For purposes of this section substantial completion shall occur when the work has progressed to the extent that Chelan has full use and benefit of the facilities, both from an operational and safety standpoint, and only minor incidental work, replacement of temporary substitute facilities, or correction or repair remains to physically complete the total work, Chelan's engineer or project manager shall determine when substantial completion has occurred.
- 1.1.5 **OWNERSHIP** All existing and new incubation and adult holding hatchery capacity is the property of Chelan PUD. Grant has no right to reimbursement or refund for capacity constructed under this agreement. Grant will have the option to be able to use the purchased capacity for other species if the space is not used for the original purpose and if it is consistent with the requirements of the facility operations and biosecurity and other terms and conditions of the Agreement.

1.2 Early-Rearing (Stage 2 of New Capacity)

1.2.1 PURPOSE and SCOPE Grant PUD may require new capacity for early-rearing their White River spring Chinook, Nason Creek spring Chinook, Wenatchee summer Chinook and Methow summer Chinook programs (Table 3). The new early-rearing capacity would be located at Eastbank Hatchery near East Wenatchee, Washington.

If the existing hatchery capacity at Eastbank Hatchery is sufficient to early-rear Grant's programs without the construction of new capacity, or Grant does not require early rearing capacity at Eastbank Hatchery, this section of the Agreement will not be implemented. Specifically, Stage 2 will not be executed unless Grant requests new early-rearing capacity in a written request to Chelan.

In the event that Grant determines that new early-rearing capacity is needed to support Grant's hatchery production at Eastbank Hatchery, the minimum capacity constructed shall be for 400,000 summer Chinook at 0.24 lbs./ft³ in. density index, in circular rearing vessels with water re-use. The creation of new summer Chinook capacity would contribute to the overall capacity of Eastbank Hatchery and may be necessary to accommodate Grant's summer or spring Chinook production requirements.

Any new early-rearing capacity constructed on Grant's behalf will be provided by water re-use technology and circular ponds. The parties agree to use this approach to maximize water conservation.

The preliminary cost estimate for the design, construction and materials required to create early rearing capacity for 400,000 summer Chinook at 0.24 lbs./ft³ in. density index, using water re-use technology, is depicted in Table 4. The cost estimate is based upon Chelan's existing water re-use pilot at Eastbank Hatchery. The actual cost may vary from this estimate.

1.2.2 NOTIFICATION of INTENT to IMPLEMENT STAGE 2 In the event Grant determines that new early rearing capacity is desired under the provisions of Stage 2 of the Agreement (e.g., Table 3), Grant shall provide written notice to Chelan at least one year prior to the desired date of capacity utilization. This notice shall include (1) the desired quantity of new early rearing capacity (2) the date the new capacity is required by, and (3) a description of the synchronization of early rearing at Chelan owned facilities and transport to acclimation ponds (Chelan or Grant owned) that ensures any fish reared at Chelan’s facilities have a final functional acclimation destination. Chelan will approve or deny the capacity request submitted in Grant’s notification within 30 days. Chelan may request additional information from Grant or extend the approval period if new analyses are required to evaluate the request for additional early rearing capacity

The requirement to provide the capacity request one year in advance of the desired date of capacity utilization does not guarantee any design or construction completion date.

Table 3. Grant hatchery program sizes described in smolts as basis for derivation of early rearing capacity plus a design capacity of an additional 10%. The numbers presented in this table represent final release numbers.

| Production group | Target smolt release number including 10% additional capacity requirement from PRCC |
|----------------------------|--|
| White River Spring Chinook | 165,000 |
| Nason Creek Spring Chinook | 275,000 |
| Wenatchee Summer Chinook | 306,000 |
| Methow Summer Chinook | 306,000 |

Table 4. Potential cost of capacity increase to support early rearing for Grant’s hatchery production at Eastbank Hatchery. The actual cost may vary from this estimate.

| Capacity Improvement | Estimated Total Cost | Grant PUD share | Estimated Grant Cost |
|---|-----------------------------|------------------------|-----------------------------|
| Water re-use system for 400,000 summer Chinook at Eastbank Hatchery | \$1,500,000 | 100% | \$1,500,000 |

1.2.3 **PERIOD of PERFORMANCE** If the parties agree to execute subsection 1.2 of the Agreement, the period of performance would commence upon Chelan's approval of new early-rearing capacity requested in the Notification of intent to Execute. The timeline and schedule of design and construction will be determined by the parties following approval.

1.2.4 **OBLIGATIONS** The parties agree to the following obligations

CHELAN SHALL

1.2.4.1 *Obtain all permits and regulatory approvals necessary for constructing new capacity*

1.2.4.2 *Design all of the new early-rearing hatchery capacity*

1.2.4.3 *Procure all supplies, equipment, and materials necessary for construction of new hatchery capacity*

1.2.4.4 *Administer and manage all aspects of capacity construction*

GRANT SHALL

1.2.4.5 *Provide Notification of Intent to Implement Stage 2 of this Agreement if new early-rearing capacity is desired*

1.2.4.6 *Review and verify the capacity represented in Chelan's 60% project designs as sufficient to meet Grant's production obligations*

1.2.4.7 *Following review and verification of capacity represented in Chelan's 60% project designs, Grant shall provide written authorization to Chelan to concurrently complete design work and initiate construction of capacity on behalf of Grant by a mutually agreed-to date*

1.2.5 **PAYMENT** Grant shall provide payment for the creation of new hatchery capacity upon the completion of design and construction. Grant will reimburse Chelan, in full, for design work upon completion of the design phase. The design phase will be deemed complete when the projects are sent out to bid. The estimated reimbursement date for design work will be determined after the Parties agree to the scope and schedule of constructing early rearing capacity. Grant will reimburse Chelan, in full, for construction of hatchery capacity upon substantial completion of construction. The estimated reimbursement date for construction of incubation and adult holding capacity will be determined after the Parties agree to the scope and schedule of constructing early rearing capacity. Estimated total costs (design and construction) for the minimum constructed capacity for early rearing 400,000 summer Chinook is provided in Table 4.

1.2.6 **OWNERSHIP** All existing and new early rearing hatchery capacity is the property of Chelan PUD. Grant has no right of reimbursement or refund for capacity constructed under this agreement. Grant will have the option to be able to use the purchased capacity for other species if the space is not used for the original purpose and if it is consistent with the requirements of the facility operations and biosecurity and other terms and conditions of the Agreement.

2 Operations, Maintenance, Monitoring and Evaluation

Section 2 of the agreement describes operational activities conducted to produce hatchery fish for Grant using new or existing capacity at Chelan owned hatchery facilities.

Chelan will produce hatchery fish for Grant where it has the capacity to do so. By implementing Section 1 of the Agreement, Grant agrees that the provided capacity is sufficient capacity for adult holding and incubation of their White River spring Chinook, Nason Creek spring Chinook, Wenatchee summer Chinook and Methow Summer Chinook programs.

Chelan may have sufficient existing capacity to early-rear a portion or all of Grant's summer and spring Chinook programs but makes no explicit guarantees of available existing capacity. However, Chelan may have changes to production levels, as early as 2012, which will confirm the existing capacity available to Grant. Prior to 2012, or thereafter, Grant may execute *subsection 1.2 Stage 2-Early Rearing* to guarantee that new capacity exists at the level desired by Grant. Chelan will provide Grant with the maximum amount of vacant existing early-rearing capacity available at Eastbank Hatchery.

Chelan may have sufficient existing capacity (prior to upgrades described in this agreement) to acclimate a portion or all of Grant's Wenatchee Summer Chinook and Methow Summer Chinook programs but makes no guarantees about the use of this capacity. The number of fish to be produced by Grant and Chelan would currently exceed the rearing capabilities of Chelan's facilities. However, Chelan may have changes to production levels, as early as 2012, which would make additional existing non-overwinter acclimation capacity available to Grant.

Grant has overwinter acclimation requirements that may or may not be achievable at the Dryden and Carlton Acclimation Facilities. Chelan is committed to evaluate modifications proposed by Grant to support overwinter acclimation at Dryden and Carlton. Any modifications to Dryden or Carlton acclimation facilities are outside the scope of this Agreement and will be addressed in a separate agreement.

Chelan may have sufficient existing capacity to acclimate a portion or all of Grant's White River spring Chinook at the Lake Wenatchee Net Pens but makes no commitments to provide tributary acclimation capacity for either the White River or Nason Creek spring Chinook programs.

2.1 Hatchery Operations

- 2.1.1 PURPOSE and SCOPE** Grant PUD desires that Chelan PUD conduct hatchery operations to culture some or all of Grant's White River spring Chinook, Nason Creek spring Chinook, Wenatchee summer Chinook and Methow Summer Chinook.

For the purpose of this Agreement, hatchery operations include all activities required to produce salmon smolts from adult spawners in a hatchery environment. These activities typically include adult collection, adult holding, spawning, incubation, rearing, acclimation, disease treatment, transport of juvenile and adult fish, and release of juvenile fish.

Hatchery operations are primarily conducted at Eastbank Hatchery, Dryden Acclimation Pond, Carlton Acclimation Pond, Tumwater Weir and Trap, Dryden Weir and Trap and Lake Wenatchee net pens (Table 5). Additional hatchery operations may be conducted in the field or at locations identified in the future.

Hatchery operations are conducted by a hatchery operator with fish culture expertise and the explicit approval of Chelan's HCP Hatchery Committees. Chelan's choice of an operator may be influenced by Endangered Species Act permit provisions, cost, and effectiveness. Chelan's current primary hatchery operator is the Washington State Department of Fish and Wildlife. The Yakama Nation and Confederated Colville Tribes also currently conduct hatchery operations for Chelan.

From an operational perspective, new hatchery capacity may or may not directly contain Grant's programs, but will increase the overall capacity at Eastbank Hatchery to ensure that Grant's production groups meet their specific culture requirements. For Grant's spring Chinook groups, water re-use systems may not be used so Chelan will provide capacity in existing raceway vessels currently occupied by Chelan's summer Chinook. Chelan's displaced summer Chinook, in turn, may be moved to new, circular re-use ponds constructed under this Agreement. Chelan's Hatchery Operator will adhere to rearing standards described in this Agreement and only segregate fish by stock and disease profile and not by funding source.

Grant's and Chelan's hatchery production groups will not be treated differently on the basis of funding. Where Grant and Chelan share responsibility for a production group (i.e., Wenatchee River summer Chinook and Methow summer Chinook) both Parties' fish will be considered 100% comingled at all times. Where the responsibility for a production group is specific to Grant or Chelan (e.g., Nason spring Chinook is Grant's obligation whereas Chiwawa spring Chinook is Chelan's obligation) the fish will be reared according to approved standards in Hatchery Genetic Management Plans.

For compliance reporting, fish mortality occurring at Chelan's Hatchery facilities would be reported differently where (1) the responsibility for the affected group is shared between the parties (i.e., Wenatchee River summer Chinook and Carlton summer Chinook) or (2) the responsibility is unique to Chelan or Grant (e.g., Nason spring Chinook is Grant's obligation whereas Chiwawa spring Chinook is Chelan's obligation). Where Chelan and Grant share responsibility for a production group, mortalities would be apportioned to both parties based upon the proportion of total fish each party is responsible for. For example: if 1,000 Wenatchee summer Chinook (shared production group) died in a raceway and Chelan and Grant were responsible for 70% and 30%, respectively, of the total Wenatchee summer Chinook production, in multiple raceways, the mortalities would be reported as 700 for Chelan and 300 for Grant. More specifically, for a shared production group, the proportion of each party's fish in each rearing vessel reflects the overall proportion of shared production between Chelan and Grant because the Parties' fish are considered to be 100% comingled. Where mortality occurs for a party's unique production group, compliance reporting will assign 100% of the mortalities to the party responsible for production. For example: if 1,000 Nason Creek spring Chinook died in a raceway at Eastbank Hatchery, the mortalities would be described as 1,000 spring Chinook from Grant's Nason Creek program.

Table 5: Hatchery operation facilities used for the production of Grant’s hatchery production groups at different life history stages. Italicized facilities are not owned by Chelan.

| Production Group | Hatchery Operation Facilities by Life History Stage | | | | |
|----------------------------|---|----------------------------|------------|---------------|---|
| | Broodstock Collection | Adult Holding and Spawning | Incubation | Early Rearing | Final Rearing and Acclimation |
| White River Spring Chinook | Tumwater or TBD | Eastbank | Eastbank | Eastbank | Lake Wenatchee Net Pens or <i>Grant owned facility</i> ¹ |
| Nason Creek Spring Chinook | Tumwater or TBD | Eastbank | Eastbank | Eastbank | <i>Grant owned facility</i> ² |
| Wenatchee Summer Chinook | Dryden Weir and Tumwater Weir | Eastbank | Eastbank | Eastbank | Dryden Acclimation Pond ³ |
| Methow Summer Chinook | <i>Wells Dam Ladder Trap</i> | Eastbank | Eastbank | Eastbank | Carlton Acclimation Pond ⁴ or <i>Methow Hatchery</i> |

2.1.2 NOTIFICATION

Grant will provide Chelan with a written annual Production Request in the form of a letter for the quantities of each production group it intends Chelan to produce by June 1 of the year preceding broodstock collection for those production groups. This request will be used to (1) verify anticipated production levels, (2) ensure budget accuracy, and (3) provide an administrative record for both Parties and their respective hatchery committees. Chelan will provide approval to Grant within 15 days unless the request contains new capacity that increases or substantively differs from previous years and the (1) availability of existing capacity has not been identified or (2) new capacity has not yet been funded by Grant.

¹ Grant is currently using the Lake Wenatchee net pens but is constructing a new rearing and acclimation facility for White River spring Chinook

² Grant is constructing a rearing and acclimation facility for Nason Creek spring Chinook

³ Grant and Chelan have agreed to investigate a future project that would provide overwinter rearing at Dryden Pond

⁴ Grant and Chelan have agreed to investigate a future project that would provide overwinter rearing at Carlton Pond

2.2 Maintenance

2.2.1 PURPOSE and SCOPE For the purposes of this agreement, maintenance is defined broadly as those activities required to keep hatchery capacity operating. More specifically, maintenance comprises (1) reactive maintenance, (2) proactive maintenance, and (3) major maintenance.

Reactive maintenance includes those activities, personnel, equipment, materials, and supplies required to repair or restore the functionality of hatchery capacity due to unanticipated damage or failure of a hatchery capacity component or process. Reactive maintenance may occur on annual basis but cannot be anticipated in annual budgets.

Proactive maintenance includes those activities, personnel, equipment, materials, and supplies required to prevent damage or failure of hatchery capacity components or processes. Proactive maintenance occurs on a routine basis and is anticipated annually in maintenance plans and budgets. Proactive maintenance also categorically includes well field monitoring and studies at Eastbank.

Major maintenance includes those activities, personnel, equipment, materials, and supplies required to replace a hatchery capacity component or process to prevent the future loss of capacity or to improve the performance or efficiency or regulatory compliance of existing hatchery capacity. Generally, major maintenance is anticipated to occur to replace hatchery components and processes near the end of their life cycle, but prior to failure (e.g., replacement of pumps, hatchery vehicles, intake screens, etc.). Major maintenance is not routine but is anticipated and budgeted annually.

The Period of Performance of the Agreement extends beyond the anticipated life cycle of the existing and new hatchery capacity; therefore, participation in the Agreement comes with the explicit recognition that Major Maintenance may be required to replace some or all of the hatchery capacity relevant to this Agreement.

Chelan maintains internal maintenance capabilities but also relies on external contractors to achieve maintenance objectives. Chelan retains sole authority to choose, hire, and administer the contract or workplan with internal or external hatchery maintenance personnel during the period of this Agreement and pertaining to any new or existing hatchery capacity at Chelan owned facilities.

2.3 Monitoring and Evaluation

- 2.3.1 PURPOSE and SCOPE** Where there is overlap between the goals and objectives of Grant's and Chelan's monitoring and evaluation plans, the parties agree to equitably share the funding obligation to conduct monitoring and evaluation activities.

Monitoring and evaluation activities include but are not limited to tag interrogation; tag recovery; passive integrated tag (PIT) tagging; carcass surveys; run timing observations and analyses; spawner surveys; spawn timing observations and analyses; escapement and spawner productivity analyses; proportionate natural influence analyses; smolt trap operations; juvenile abundance and productivity analyses; within hatchery survival estimates, juvenile size and condition measurements; ageing; broodstock size and condition measurements; collection of genetic samples; analyses of population variability, genetic diversity, effective population size; statistical analyses of primary and derived data, report writing and comparisons of data and analyses to monitoring and evaluation plans and objectives. These activities may occur in the hatchery environment or in the field.

The Parties agree to collaboratively develop a monitoring and evaluation request for proposal (RFP) for implementation in 2014. This RFP would cover overlapping requirements related to monitoring and evaluation plans developed by the HCP and PRCC hatchery committees. The Parties will specifically identify shared monitoring and evaluation activities that are required of both Parties for inclusion in the RFP.

Chelan shall administer the Service Agreements with any external monitoring and evaluation contractors.

2.4 OBLIGATIONS The parties agree to the following obligations

CHELAN SHALL

- 2.4.1.1 Provide Hatchery Operations, Maintenance, and Monitoring and Evaluation to produce Grant's White River spring Chinook, Nason Creek spring Chinook, Wenatchee summer Chinook and Methow Summer Chinook at the life history stages and quantities agreed to annually and described generally in Tables 1 and 5 of this Agreement*
- 2.4.1.2 Provide Grant with the maximum amount of vacant existing hatchery capacity available at Chelan owned facilities*
- 2.4.1.3 Obtain all permits necessary for the operation of hatchery facilities with the exception of Endangered Species Act Section 10 permits which must be obtained by both parties for their respective programs*
- 2.4.1.4 Comply with all permits necessary for the operation of its hatchery facilities*
- 2.4.1.5 Choose, hire, and administer the contract with the hatchery operator during the period of this Agreement and pertaining to any new or existing hatchery capacity*
- 2.4.1.6 Meet all external funding and contractual commitments related to Hatchery Operations, Maintenance and Monitoring and Evaluation*
- 2.4.1.7 Choose, hire, and administer the contract or workplan with internal or external hatchery maintenance personnel during the period of this Agreement and pertaining to any new or existing hatchery capacity*
- 2.4.1.8 Conduct maintenance activities to keep hatchery capacity operating*
- 2.4.1.9 In coordination with Grant, develop a request for proposal for 3-5 years of Monitoring and Evaluation activities (for implementation in 2014)*
- 2.4.1.10 Administer the Service Agreements with any external monitoring and evaluation contractors*
- 2.4.1.11 Provide written notice to Grant in the event Chelan has selected a new hatchery operator*

GRANT SHALL

- 2.4.1.12 Provide Chelan with written notification of any changes in the regulatory status or production requirements for fish it intends Chelan to produce*
- 2.4.1.13 Provide Chelan with written annual production requests for the quantities and species/production groups it intends Chelan to produce by June 1 of the year preceding broodstock collection for those production groups*
- 2.4.1.14 Obtain all Endangered Species Act permits necessary for production of Grant's summer Chinook and spring Chinook at Chelan's hatchery facilities*
- 2.4.1.15 Provide annual funding to Chelan for Grant PUD's portion of Hatchery Operations, Maintenance and Monitoring and Evaluation activities in accordance with Section 2.5 below*
- 2.4.1.16 Provide funding for 15% administration to Chelan on Grant PUD's portion of all Hatchery Operations, Maintenance and Monitoring and Evaluation costs that are administered by Chelan*
- 2.4.1.17 In coordination with Chelan, develop a 3-5 year request for proposal for Monitoring and Evaluation activities (for implementation in 2014)*

2.5 PAYMENT

Chelan will invoice Grant on a monthly basis for Grant PUD's portion of Hatchery Operations, Maintenance, and Monitoring and Evaluation.

Hatchery Operations-The Parties agree to share Hatchery Operation costs on a proportional basis to hatchery use at Chelan's facilities. Hatchery use is determined on a per facility basis where the number of fish requested to be produced by Grant is divided by the total number of fish (i.e., Grant's requested production level + Chelan's required production level = total number of fish programmed for a facility); see Tables 5, 6, and 9).

In the event that Grant's hatchery production is significantly reduced by broodstock availability (i.e., less than 50% of the broodstock are available to meet Grant's requested production) Chelan will adjust Grant's funding obligation for hatchery capacity to exclude a proportionate amount of fish food or other consumables that can be reasonably adjusted to reflect the actual production level at the facilities affected. The Parties agree to evaluate the cost adjustments related to broodstock constrained production on a case-by case basis (where less than 50% of a program is expected), but recognize that the staffing and other capacity costs that require *a priori* commitments are explicitly not subject to adjustment from the requested production levels and associated proportionate distribution of costs reflected in Tables 6 and 9.

Example of cost reduction resulting from a situation where less than 50% of the broodstock are available to produce Grant's program: If Grant requests the production of 100,000 fish at Eastbank Hatchery and this quantity represents 50% of the total fish production at Eastbank (i.e., Grant's requested production is 100,000 + Chelan's required production of 100,000 = 200,000 fish), Grant would be obligated to fund 50% of the total actual hatchery operation costs related to their proportionate use of Eastbank Hatchery. If however, only 20% of the broodstock were available to support Grant's production (i.e., less than 50% of the broodstock needed) and therefore only 20,000 fish were produced for Grant and 120,000 are produced overall at Eastbank, Chelan would not charge Grant for fish food or other consumables in excess of the actual cost related to the production of the 20,000 fish, independent of the proportional requested use of Eastbank Hatchery. Therefore, if the total cost of fish food was \$10,000 to support the actual production of 120,000 fish (\$0.08/fish), Grant would not pay 50% of the fish food cost, instead the cost would be adjusted to the actual production levels (i.e., 20,000 fish @ \$0.08 = \$1,600). The staffing and other capacity costs that required *a priori* commitments would still be subject to the proportionate distribution of costs reflected in the initial 50% expected program level.

Chelan will provide a budget to Grant for Grant's portion of hatchery operations by August 1 of the year preceding the anticipated work. Chelan's fiscal year begins January 1. Grant will be invoiced for actual expenditures.

Maintenance-The Parties agree to share Maintenance costs on a proportional basis to hatchery use at Chelan's facilities. Hatchery use is determined on a per facility basis where the number of fish requested to be produced for Grant is divided by the total number of fish produced at the facility to arrive at Grant's funding obligation for its portion of associated maintenance at that facility (Tables 5, 6, and 9).

Reactive maintenance invoices will be submitted to Grant on a monthly basis.

Proactive maintenance costs will be budgeted annually and submitted to Grant for Grant PUD's portion by August 1 of the year preceding the anticipated work.

Major Maintenance items will be identified in accordance with the steps and schedule outlined below and disclosed to Grant as far in advance as possible and at least one year in advance of any expected payment. Grant's share of major maintenance costs will be based on its proportional use of the specific facility affected (Table 9).

The following represents the steps taken for implementation of a "typical" major maintenance project:

1. Need for project identified (6 months)
2. Feasibility completed for project (6 months - 1 year)
3. Full budgeting of project occurs (must occur during budget cycle of fiscal year which is roughly June -September of year preceding the year in which work is expected to occur)
4. Implementation (1 -2 years based on scope of project)

Monitoring and Evaluation- The Parties agree to share Monitoring and Evaluation costs on a proportional basis to the total number of summer and spring Chinook requested to be produced at Chelan's facilities (Table 9) until a joint RFP is written and funded. The joint RFP will not be let until the parties have agreed to a funding plan that identifies Grant's and Chelan's funding commitments for subsequent monitoring and evaluation work (including marking and tagging activities).

Monitoring and Evaluation costs will be budgeted annually and the budget submitted to Grant for Grant PUD's portion by August 1, of the year preceding the anticipated work.

TABLE 6. Estimated annual hatchery operations, maintenance and monitoring and evaluation costs as derived from Grant's relative proportion of the total hatchery capacity used. The *Reference cell* column documents the origin of the adjacent *Grants Proportion of Total Program* column from Table 9. The values in this table reflect recent historic costs and are subject to change annually.

| | Estimated Total Program Cost | Grant's Proportion of Total Program | Grant's Estimated Annual Cost |
|---|---------------------------------|--|-------------------------------------|
| Hatchery Operations | | | |
| Eastbank operations | 1,506,315.00 | 0.32 | 482,020.80 |
| Carlton operations | 48,000.00 | 0.74 | 35,520.00 |
| Dryden operations | 52,060.00 | 0.38 | 19,782.80 |
| Broodstock collection and Tumwater and Dryden | 40,000.00 | 0.37 | 14,800.00 |
| Broodstock collection at Wells | 16,616.00 | 0.74 | 12,295.84 |
| Electrical | 164,000.00 | 0.32 | 52,480.00 |
| Subtotal | 1,826,991.00 | | 616,899.44 |
| Maintenance | | | |
| Reactive and Proactive Eastbank | 172,478.00 | 0.32 | 55,192.96 |
| Reactive and Proactive Carlton | 45,809.00 | 0.74 | 33,898.66 |
| Reactive and Proactive Dryden | 5,354.00 | 0.38 | 2,034.52 |
| Reactive and Proactive Tumwater and Dryden Weirs | 15,000.00 | 0.37 | 5,550.00 |
| Reactive and Proactive Lake Wenatchee Net Pens | 5,000.00 | 0.45 | 2,250.00 |
| Proactive Well Monitoring and Studies Eastbank | 350,000.00 | 0.32 | 112,000.00 |
| Reactive and Proactive Hatchery Vehicle Maintenance | 108,720.00 | 0.32 | 34,790.40 |
| Major Maintenance (all facilities) | TBD | | TBD |
| Subtotal | 702,361.00 | | 245,716.54 |
| Monitoring and Evaluation | | | |
| WDFW and BioAnalysts M&E and Annual Report | 757,000.00 | 0.37 | 280,090.00 |
| Chelan PUD Wenatchee Summer Chinook Surveys | 90,000.00 | 0.38 | 34,200.00 |
| Subtotal | 847,000.00 | | 314,290.00 |
| Subtotal all Categories | 3,376,352.00 | | 1,176,905.98 |
| 15% Administration | | 15% | 176,535.90 |
| Grand Total | | | 1,353,441.88 |

Table 7: Design criteria for capacity at Chelan hatcheries.

| Stock | Species | Chelan PUD Program (#) | Grant PUD Program (#) | Combined Capacity (#) | Rearing DI (lbs/ft ³ *in) | Rearing FI (lbs/gpm*in) | Acclimation DI (lbs/ft ³ *in) | Final Weight at Release (FPP) |
|-------|---|------------------------|-----------------------|------------------------|--------------------------------------|-------------------------|--|-------------------------------|
| CSC | Chiwawa Spring Chinook | 298,000 | N/A | 298,000 | 0.125 | 0.75 | 0.100 | 15 |
| NSC | Nason Creek Spring Chinook (low ELISA) | N/A | 225,000 | 247,500 ^a | 0.125 | 0.75 | 0.125 | 10-15 |
| NSC | Nason Creek Spring Chinook (High ELISA) | N/A | 25,000 | 27,500 ^a | 0.060 | 0.6 | 0.060 | 10-15 |
| WRC | White River Spring Chinook (High ELISA) | N/A | 150,000 | 165,000 ^a | 0.060 | 0.6 | 0.600 | 10-15 |
| MSC | Methow Summer Chinook | 400,000 | 278,000 | 706,000 ^a | 0.125/0.250 ^b | 0.75 | 0.100 | 13 to 17 |
| OSC | Okanogan Summer Chinook | 576,000 | N/A | 576,000 | 0.125/0.250 ^b | 0.75 | 0.100 | 14 |
| TCY | Chelan Falls Summer Chinook | 600,000 | N/A | 600,000 | 0.125/0.250 ^b | 0.75 | 0.200 ^c | 8 |
| WSC | Wenatchee Summer Chinook | 864,000 | 278,000 | 1,170,000 ^a | 0.125/0.250 ^b | 0.75 | 0.100 | 13 to 17 |
| LWS | Lake Wenatchee Sockeye | 280,000 | N/A | 280,000 | 0.130 | 0.75 | 0.060 | 9 |
| HHS | Wenatchee Summer Steelhead (HxH) | 200,000 | N/A | 200,000 | 0.130 | 0.75 | 0.100 | 7 |
| WWS | Wenatchee Summer Steelhead (WxW) | 200,000 | N/A | 200,000 | 0.130 | 0.75 | 0.100 | 6 |

Notes

- a. Includes 10% extra capacity for Grant PUD programs
- b. Summer Chinook in flow through raceways are held at 0.125 DI and summer Chinook in circular tank-based reuse systems are held at 0.250 DI.
- c. Summer Chinook in circular tanks are held at 0.200 DI.
- d. Refers to the target weight criteria for species that will not be acclimated at Chelan PUD facilities

Abbreviations

- N/A = Not Applicable
- DI = Density Index
- FI = Flow Index
- FPP = Fish Per Pound

Table 8. Adult Holding Parameters

| Stock | Species | Adult Holding Flow Rate (gpm/fish) | Adult Holding Density (cf/fish) | Total Adult Holding Capacity |
|-------|---|------------------------------------|---------------------------------|------------------------------|
| CSC | Chiwawa Spring Chinook | 2 | 10 | 178 ⁴ |
| NSC | Nason Creek Spring Chinook (Low ELISA) | 2 | 10 | 160 ¹ |
| NSC | Nason Creek Spring Chinook (High ELISA) | 2 | 10 | |
| WRC | White River Spring Chinook (High ELISA) | 2 | 10 | 100 ¹ |
| MSC | Methow Summer Chinook | 2 | 10 | 726 ² |
| OSC | Okanogan Summer Chinook | 2 | 10 | |
| TCY | Chelan Falls Summer Chinook | 2 | 10 | 366 ² |
| WSC | Wenatchee Summer Chinook | 2 | 10 | 662 ² |
| LWS | Lake Wenatchee Sockeye | 0.4 | 6 | 218 |
| HHS | Wenatchee Summer Steelhead (H x H) | 2 | 2.5 | |
| WWS | Wenatchee Summer Steelhead (W x W) | 2 | 2.5 | 208 ³ |

1. Grant PUD Nason HGMP specifies 160 adults and White River HGMP specifies 100 adults which includes the 10% design capacity. This includes High and Low ELISA fish.
2. Per Broodstock Collection protocol 2010 WDFW, Methow and Okanogan Broodstock are combined.
3. Per Broodstock Collection protocol 2010 WDFW for both Hatchery and Wild Steelhead
4. Calculated based on Broodstock Collection protocol 2010 WDFW and planned stock reduction to 298,000 smolts.

Table 9. Calculation of percentage of relative use by facility and activity. Reference cell documents the origin of the adjacent percentage and is used as a cross-tabular reference for estimating annual costs.

Eastbank Hatchery

| Production Groups | Owner | Quantity Produced | Percent of Total |
|-----------------------------|--------|-------------------|------------------|
| Chiwawa Spring Chinook | Chelan | 298,000 | |
| Wenatchee Sockeye | Chelan | 200,000 | |
| Wenatchee Summer Chinook | Chelan | 500,000 | |
| Methow Summer Chinook | Chelan | 108,000 | |
| Chelan Falls Summer Chinook | Chelan | 600,000 | |
| Okanogan Summer Chinook | Chelan | 300,000 | |

| | | | |
|----------------------------|-----------------|------------------|------|
| Wenatchee Steelhead | Chelan | 250,000 | |
| | Chelan subtotal | 2,256,000 | 68% |
| White River Spring Chinook | Grant | 165,000 | |
| Nason Spring Chinook | Grant | 275,000 | |
| Wenatchee Summer Chinook | Grant | 306,000 | |
| Methow Summer Chinook | Grant | 306,000 | |
| | Grant subtotal | 1,052,000 | 32% |
| | Total | 3,308,000 | 100% |

Carlton Acclimation Facility

| Production Groups | Owner | Quantity Produced | Perc |
|-----------------------|-----------------|-------------------|------|
| Methow Summer Chinook | Chelan | 108,000 | |
| | Chelan subtotal | 108,000 | |
| Methow Summer Chinook | Grant | 306,000 | |
| | Grant subtotal | 306,000 | |
| | Total | 414,000 | |

Dryden Acclimation Facility

| Production Groups | Owner | Quantity Produced | Perc |
|--------------------------|-----------------|-------------------|------|
| Wenatchee Summer Chinook | Chelan | 500,000 | |
| | Chelan subtotal | 500,000 | |
| Wenatchee Summer Chinook | Grant | 306,000 | |
| | Grant subtotal | 306,000 | |
| | Total | 806,000 | |

Broodstock Collection at Dryden and Tumwater Weir

| Production Groups | Owner | Quantity Produced | Percent of Tot |
|----------------------------|-----------------|-------------------|----------------|
| Chiwawa Spring Chinook | Chelan | 298,000 | |
| Wenatchee Sockeye | Chelan | 200,000 | |
| Wenatchee Summer Chinook | Chelan | 500,000 | |
| Wenatchee Steelhead | Chelan | 250,000 | |
| | Chelan subtotal | 1,248,000 | 63% |
| White River Spring Chinook | Grant | 165,000 | |
| Nason Spring Chinook | Grant | 275,000 | |

| | | | |
|--------------------------|----------------|------------------|------|
| Wenatchee Summer Chinook | Grant | 306,000 | |
| | Grant subtotal | 746,000 | 37% |
| | Total | 1,994,000 | 100% |

Broodstock Collection at Wells Dam

| Production Groups | Owner | Quantity Produced | Percent of Total |
|-----------------------|-----------------|-------------------|------------------|
| Methow Summer Chinook | Chelan | 108,000 | |
| | Chelan subtotal | 108,000 | |
| Methow Summer Chinook | Grant | 306,000 | |
| | Grant subtotal | 306,000 | |
| | Total | 414,000 | |

Lake Wenatchee Net Pens

| Production Groups | Owner | Quantity Produced | Percent of Total | Reference Cell |
|----------------------------|-----------------|-------------------|------------------|----------------|
| Wenatchee sockeye | Chelan | 200,000 | | |
| | Chelan subtotal | 200,000 | 55% | C6 |
| White River Spring Chinook | Grant | 165,000 | | |
| | Grant subtotal | 165,000 | 45% | G6 |
| | Total | 365,000 | 100% | |

Monitoring and Evaluation Related to Summer & Spring Chinook

| Production Groups | Owner | Quantity Produced | Percent of Total | Reference Cell |
|-----------------------------|-----------------|-------------------|------------------|----------------|
| Chiwawa Spring Chinook | Chelan | 298,000 | | |
| Methow Summer Chinook | Chelan | 108,000 | | |
| Chelan Falls Summer Chinook | Chelan | 600,000 | | |
| Okanogan Summer Chinook | Chelan | 300,000 | | |
| Wenatchee Summer Chinook | Chelan | 500,000 | | |
| | Chelan subtotal | 1,806,000 | 63% | C7 |
| White River Spring Chinook | Grant | 165,000 | | |
| Nason Spring Chinook | Grant | 275,000 | | |
| Wenatchee Summer Chinook | Grant | 306,000 | | |
| Methow Summer Chinook | Grant | 306,000 | | |
| | Grant subtotal | 1,052,000 | 37% | G7 |
| | Total | 2,858,000 | 100% | |