AMERICAN FALLS HATCHERY
ANNUAL REPORT
October 1, 1985 to September 30, 1986

by
Gary Baker
Fish Hatchery Superintendent II
October 1987
TABLE OF CONTENTS

ABSTRACT ..............................................................................................................1
INTRODUCTION .....................................................................................................2
OBJECTIVE .............................................................................................................2
FISH PRODUCTION .................................................................................................2
FISH FEED ...............................................................................................................3
DISTRIBUTION .......................................................................................................3
RECEIVED ...............................................................................................................3
  Hatchery Improvements ......................................................................................4
  Hatchery Needs ....................................................................................................4
  Public Relations ..................................................................................................4
  Staffing ................................................................................................................4
ACKNOWLEDGEMENTS ......................................................................................5

LIST OF TABLES

Table 1. Fish production at American Falls Hatchery, 1985 to 1986 ........................2
Table 2. Fish feed utilized at American Falls Hatchery, 1985 to 1986 ....................3
Table 3. Fish distribution to other hatcheries .......................................................3
Table 4. Fish received from other hatcheries .....................................................3
ABSTRACT

American Falls is a production station for catchable and fingerling rainbow trout. Overall production was 1,430,332 rainbow trout, weighing 207,955 pounds. Overall feed conversion was 1.33.

Author:

Gary Baker
Fish Hatchery Superintendent II
INTRODUCTION

American Falls Hatchery is located one-half mile downstream of the American Falls Reservoir Dam on the northern bank of the Snake River. Reuger Springs provides approximately 20 cfs of 55°F water. Packed columns reduce nitrogen gas saturation to 104% and increase dissolved oxygen to from 8.4 to 9.0 ppm.

Facilities include three residences, temporary quarters, nursery building with office, shop and feed storage, equipment storage and fire and irrigation buildings.

Egg and fry production units include ten double stack Heath incubators and ten circular Heath vats. Ten fish production raceways are 4 ft x 8 ft x 200 ft each, with a water flow of 900 gpm. Four 50 ft x 400 ft ponds act as settling basins.

OBJECTIVE

To produce 150,000 to 175,000 lb of disease-free rainbow trout for statewide stocking programs.

FISH PRODUCTION

Table 1. Fish production at American Falls Hatchery, 1985 to 1986.

<table>
<thead>
<tr>
<th>Species</th>
<th>0&quot; - 3&quot;</th>
<th>3&quot; - 6&quot;</th>
<th>6+&quot;</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>lb</td>
<td>No.</td>
<td>lb</td>
</tr>
<tr>
<td>Rainbow</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(R-1)</td>
<td>182,618</td>
<td>631</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Rainbow</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>(R-2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

742,531 180,259
FISH FEED

Table 2. Fish food utilized at American Falls Hatchery, 1985 to 1986.

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Size</th>
<th>Pounds</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Springs</td>
<td>All sizes</td>
<td>189,373</td>
<td>$29,534</td>
</tr>
<tr>
<td>Rangen Regular</td>
<td>1/8&quot; pellet</td>
<td>84,634</td>
<td>14,347</td>
</tr>
<tr>
<td>Rangen Medicated</td>
<td>#Sand#6</td>
<td>3,325</td>
<td>975</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td>277,332</td>
<td>$44,856</td>
</tr>
</tbody>
</table>

DISTRIBUTION

Table 3. Fish distribution to other hatcheries.

<table>
<thead>
<tr>
<th>Hatchery</th>
<th>Number</th>
<th>Pound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hagerman</td>
<td>182,618</td>
<td>631</td>
</tr>
<tr>
<td>McCall</td>
<td>97,225</td>
<td>26,175</td>
</tr>
<tr>
<td>Kamiah</td>
<td>28,249</td>
<td>8,630</td>
</tr>
<tr>
<td>Clark Fork</td>
<td>117,380</td>
<td>34,250</td>
</tr>
<tr>
<td>Ashton</td>
<td>17,050</td>
<td>5,500</td>
</tr>
<tr>
<td>Hayspur</td>
<td>40,240</td>
<td>15,200</td>
</tr>
<tr>
<td>Grace</td>
<td>2,500</td>
<td>1,000</td>
</tr>
</tbody>
</table>

RECEIVED

Table 4. Fish received from other hatcheries.

<table>
<thead>
<tr>
<th>Hatchery</th>
<th>Number</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grace</td>
<td>119,500</td>
<td>1,732</td>
</tr>
</tbody>
</table>
**Hatchery Improvements**

All building exteriors were painted by the engineering crew. The interiors of the shop and two residences were painted by hatchery personnel. A fire protection pump was purchased and installed in a new 9 ft x 14 ft building. The irrigation pump and engine were overhauled by hatchery personnel. Landscaping, including tree and shrub planting, was done by hatchery personnel.

**Hatchery Needs**

1. Exposed water in spring area needs to be covered with rocks to reduce chances of disease transmission to fish.
2. Two 24,000 lb feed bins are needed to replace the existing rusted bin.
3. Hatchery grounds landscaping and irrigation system needs to be completed.
4. Residence 11 needs roofing and siding.
5. Roadway surfaces need to be asphalted.
6. Another permanent employee needs to be hired to meet workload demands.
7. Bird screening over raceways needs replaced.

**Public Relations**

In addition to fishermen contacts during stocking operations, numerous school and scout group tours were conducted.

**Staff**

The permanent staff consists of a Fish Hatchery Superintendent II and a Fish Hatchery Superintendent I. One Bio-Aide and up to three temporary laborers are employed as needed.
ACKNOWLEDGEMENTS

Hatchery staff:

Gary Baker, Fish Hatchery Superintendent II
Dave Billman, Fish Hatchery Superintendent I
Marc Arms, Bio-Aide and Laborer
Sherman Sprauge, Laborer
Submitted by:

Gary Baker
Fish Hatchery Superintendent II

Approved by:

IDAHO DEPARTMENT OF FISH & GAME

Jerry M. Tolley, Director

David L. Hanson, Chief
Bureau of Fisheries

Mike Larkin
Resident Hatchery Supervisor