

1993

**DEPARTMENT OF FISH, WILDLIFE AND PARKS**  
**HATCHERY COST REPORTS**

**FOR**  
**FY 1992**

**Compiled and prepared by:**

|                        |                      |
|------------------------|----------------------|
| <b>Thurston Dotson</b> | <b>Mark Hamilton</b> |
| <b>Jim Crepeau</b>     | <b>Daryl Hodges</b>  |
| <b>Gary Shaver</b>     | <b>Bruce Chaney</b>  |
| <b>Jim Schreiber</b>   | <b>Jack Boyce</b>    |
| <b>Stewart Kienow</b>  | <b>Mike Rhodes</b>   |

**Graphics by Bob McFarland**

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# **COST SUMMARY OF FISH PRODUCTION**

## **FROM MONTANA'S HATCHERY SYSTEM**

### **Introduction**

This is the annual direct cost analysis of fish production for hatchery operations in Montana for FY 1990. It includes direct costs and direct costs plus depreciation for each hatchery. In addition, each hatchery is compared to the statewide average.

Costs of producing fish from the state's hatchery system are being continually examined to assure that sportsman dollars are utilized efficiently and effectively. Hatchery production is one of the few areas of the Department's functions where output can be accurately measured in relation to funds used. It is important to note that the costs reflected in this report include all direct hatchery costs to rear and stock 18 species or strains of fish. Hatchery expenditures to obtain eggs from wild spawning species, as well as broodstock development and maintenance of captive broodstocks, are included.

This report consists of the following data sheets:

- A. Annual hatchery cost reports, by hatchery, and state summary. Because warmwater production costs cannot be compared directly with trout hatcheries, Miles City costs are listed separately.
- B. Graph showing relative costs between hatcheries.
- C. Summary sheet, by hatchery, listing hatchery inventories.
- D. Comparison of total costs of fish produced. This lists the budget expenditures by categories.
- E. Fish food purchased.

Equipment and capital construction is depreciated at 75 percent of the original cost. This assumes 25 percent salvage value is retained at the end of their useful life. Equipment is amortized over five years and capital construction over 25 years. Murray Springs Hatchery is owned by the Corps of Engineers (COE) and operated by FW&P under contract. The value used as depreciation is the cost of electricity to operate this facility. Electric power is a cost paid directly by COE and is not reflected in the operations budget of Murray Springs Hatchery.

## Growth Model

Trout growth in hatcheries was defined by Haskell (1959) as "the growth of trout, under conditions of constant water temperature and adequate food supply, is such that the rate of increase in length is constant, except during time when metabolism is altered by factors such as disease, spawning, etc."

The equation describing fish is given as:  $CF = W/L^3$  where  $W$  = weight in pounds of an individual fish and  $L$  = length in inches. The condition factor relates height and width to length. The condition factor is used directly in calculating weight-length relationships.

## Variables

A number of conditions influence cost of fish production. A hatchery whose function is strictly production, i.e., they receive eyed eggs and continue incubation can hatch, rear and stock fish at a much lower cost per pound than a station that has brood or egg collection responsibilities. Brood stations, for instance, have a high cost in brood maintenance and development. Hence the costs to produce fish at these stations are higher when compared to purely production hatcheries. The cost of collecting eggs from wild populations is absorbed in the respective hatchery budget and is charged against fish production.

To more fully account for the growth of fish and develop an economics accounting for egg transfers from brood to production station, the following methods of egg transfer and accounting is being used. A basic assumption is made that fish development begins in the egg at some point where the size and weight is effectively zero (0). When a two-inch fish is planted, it has grown a full two inches, not two inches minus the hatched length of approximately .25". This circumstance would only give credit for 1.75" of growth with no value given to broodstock maintained for the early egg development.

Using the procedures mentioned above, eggs which originate from hatchery-held broodstocks are credited for the first .25" of growth and is for all eggs produced irrespective of their disposition. Eggs taken from wild stock start their life in the hatchery at .20" and transferred to production at .25". This provides some growth credit to the collection stations of .05" of growth, which reflects some of the costs of collecting and processing eggs. Eggs obtained from other states or agencies enter the inventory at .25".

Using the above accounting methods eliminates the need for a monetary accounting of the value of eggs and gives the brood station growth credit instead. As an example, Jocko River Trout Hatchery produces approximately six million eggs per year.

Allowing .25" growth credit results in a cost of \$7.13 per thousand. This is in the mid-range of surplus egg bids which vary from \$4 to \$10 per thousand. Although these accounting procedures reduce the costs to brood stations, special stocks such as WSCT and YSCT still have higher cost per unit of production than does purely production stations.

The size, number and species of fish produced have the greatest influence on final cost figure. Overhead, such as salaries and station maintenance, are reasonably stable. The cost to produce and plant a pound of fish decreases as the size increases. Up to a length of 12", the cost of feed to produce a pound of fish is low and efficient conversions are obtained. Above 12 inches, the cost per pound of fish growth increases. Fish in this category are considered brood in our system and a considerable amount of food is consumed during the annual development of sex products and is not reflected in growth in inches or pounds gained. Also broodstock go through extended periods of erratic feeding behavior. These circumstances increase costs for each growth increment. Some species, such as westslope cutthroat, require more food than other species to produce a pound of fish. Westslope can require more than twice the amount of food to produce a pound of fish than does the Arlee rainbow, for example.

Anaconda, Big Timber and Arlee are all brood stations with elevated expenses dictated by their brood function.

Somers is somewhat unique. Total production is from eggs collected from wild runs or shipped in from other states. Egg collection is absorbed in Somers' budget and is charged against fish production. Fish are normally stocked at a very small size and exhibit a high cost per pound produced because the fish are stocked before significant growth is attained. These circumstances result in an arbitrarily high cost per pound of fish produced.

Miles City Hatchery produces warmwater fish, therefore, the production cost cannot be directly compared to coldwater fish production. Production costs for Miles City are not included in the statewide averages, which is for the eight coldwater hatcheries. For these reasons, Miles City cost figures are presented separately, so they are not influenced by coldwater production.

Ultimately, the standard of fish hatchery operations is gauged by the cost per fish or cost per pound actually stocked. During FY 1992, the Montana hatchery system stocked 34,592,579 fish which weighed 280,390 pounds. The direct costs to stock fish in FY 1992 were \$0.041 per fish and \$5.07 per pound. Direct costs to operate the nine state hatcheries in FY 1992 were \$1,420,348.

## Inventory and Cost Calculation

Inventory accounting is developed using the following guide:

+ Ending Inventory  
+ Transfers Out  
+ Plants  
- Beginning Inventory  
- Transfers In  
= Net Production

Production may be expressed in any quantity, such as pounds or inches. Cost per inch was chosen for this report as the unit for which production costs are calculated. When total production from a unit is computed in inches, all costs with the exception of feed, may be calculated on the cost-per-inch basis. When this is done, the cost of feed for fish produced can then be added to any given size and total cost of that particular size computed.

Overhead (administrative) costs are not included. This is an unalterable cost the State will always have regardless of how or where fish are produced.

Formula for calculating cost is:

Cost (heat, light, labor, etc.) / inches produced = cost per inch produced. Cost per inch x inches (2,000, if referring to 1,000 fish 2" long) + (weight of 1,000 2" fish) x feed cost per pound gained = total cost per 1,000 fish 2" long.

Costs in this report are listed per 1,000 fish.

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STATE SUMMARY BY HATCHERY  
PRODUCTION FOR JULY 1, 1991 TO JUNE 30, 1992

| Hatchery       | Beginning Inventory |               | Transfers In      |               | Transfers Out     |               | Fish Planted      |                | Ending Inventory |               |
|----------------|---------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|----------------|------------------|---------------|
|                | Numbers             | Pounds        | Numbers           | Pounds        | Numbers           | Pounds        | Numbers           | Pounds         | Numbers          | Pounds        |
| Anaconda       | 30,804              | 3,721.3       | 4,450,851         | 12,792.1      | 4,423,999         | 6,117.8       | 9,672             | 264.6          | 29,629           | 19,340.0      |
| Arlee          | 53,878              | 26,057.0      | 8,048,623         | 50.0          | 6,072,662         | 38.0          | 348,117           | 35,337.0       | 38,505           | 14,974.0      |
| Big Timber     | 275,265             | 1,090.9       | 311,290           | 160.1         | 49,032            | 376.1         | 249,939           | 1,783.9        | 241,625          | 2,484.5       |
| Bluewater      | 391,100             | 9,053.4       | 1,202,268         | 316.9         | 125,138           | 847.5         | 756,264           | 46,697.7       | 392,349          | 12,682.4      |
| Great Falls    | 486,588             | 12,184.3      | 1,298,854         | 5,743.6       | 10,660            | 6,558.6       | 1,350,941         | 57,767.4       | 226,709          | 8,404.3       |
| Lewistown      | 1,546,436           | 29,114.0      | 2,365,100         | 1,305.0       | 419,042           | 6,879.0       | 1,121,110         | 88,604.0       | 1,013,122        | 17,701.0      |
| Murray Springs | 545,302             | 8,123.0       | 894,398           | 5,841.0       | 30,721            | 9,182.0       | 757,175           | 44,679.0       | 364,380          | 3,239.0       |
| Somers         | 0                   | 0.0           | 1,175,420         | 245.0         | 50,688            | 13.0          | 1,018,286         | 912.0          | 0                | 0.0           |
| Subtotal       | 3,329,353           | 89,344        | 19,736,814        | 28,454        | 11,181,942        | 30,012        | 5,611,404         | 276,056        | 2,306,319        | 72,235        |
| Miles City     | 441,040             | 1,075.6       | 53,180,785        | 1,863.8       | 62,316            | 115.4         | 28,981,175        | 4,334.8        | 425,655          | 1,120.8       |
| <b>TOTAL</b>   | <b>3,770,393</b>    | <b>90,420</b> | <b>72,917,599</b> | <b>28,318</b> | <b>11,244,258</b> | <b>30,127</b> | <b>34,592,579</b> | <b>280,390</b> | <b>2,731,974</b> | <b>73,356</b> |

# COMPARISON OF TOTAL COSTS OF FISH PRODUCED

FOR JULY 1, 1991 TO JUNE 30 1992

| Item                                           | Anaconda - WPTH |              | Arlee - JRHT  |              | Big Timber - YSRTH |              |
|------------------------------------------------|-----------------|--------------|---------------|--------------|--------------------|--------------|
|                                                | Previous Year   | 1992         | Previous Year | 1992         | Previous Year      | 1992         |
| Salaries and Benefits                          | \$81,020.23     | \$89,611.90  | \$85,595.00   | \$89,079.00  | \$61,240.43        | \$64,435.67  |
| Operations and Maintenance<br>minus food costs | 27,915.48       | 43,339.04    | 19,908.76     | 39,021.29    | 22,161.47          | 24,003.99    |
| equipment and other<br>expenses                | 1,983.76        | 16,725.61    | 1,520.77      | 5,206.83     | 0.00               | 1,817.62     |
| Subtotal                                       | 110,919.47      | 149,676.55   | 107,024.53    | 133,307.12   | 83,401.90          | 90,257.28    |
| Feed costs                                     | 9,965.38        | 4,614.15     | 19,328.24     | 11,576.68    | 2,715.14           | 2,803.02     |
| Total Direct Costs                             | 120,884.85      | 154,290.70   | 126,352.77    | 144,883.80   | 86,117.04          | 93,060.30    |
| Depreciation of Capital Expend.                | 9,965.38        | 10,240.58    | 0.00          | 9,905.40     | 18,202.09          | 16,384.47    |
| Grand Total                                    | \$130,850.23    | \$164,531.28 | \$126,352.77  | \$154,789.20 | \$104,319.13       | \$109,444.77 |

COMPARISON OF TOTAL COSTS OF FISH PRODUCED

FOR JULY 1, 1990 TO JUNE 30 1991

| Item                                           | Bluewater - BWTH |              | Great Falls GSTH |              | Lewistown - BSTH |              |
|------------------------------------------------|------------------|--------------|------------------|--------------|------------------|--------------|
|                                                | Previous Year    | 1992         | Previous Year    | 1992         | Previous Year    | 1992         |
| Salaries and Benefits                          | \$93,475.61      | \$98,148.12  | \$87,460.78      | \$83,982.67  | \$150,077.96     | \$157,997.95 |
| Operations and Maintenance<br>minus food costs | \$47,145.72      | \$38,784.81  | 33,828.79        | 44,761.92    | 74,049.77        | 76,908.78    |
| equipment and other<br>expenses                | \$0.00           | \$0.00       | 417.00           | 567.78       | 2,878.00         | 425.00       |
| Subtotal                                       | 140,621.33       | 136,932.93   | 121,706.57       | 129,312.37   | 227,005.73       | 235,331.73   |
| Feed costs                                     | \$20,436.54      | \$21,035.96  | 16,085.00        | 17,882.16    | 37,528.45        | 35,262.51    |
| Total Direct Costs                             | 161,057.87       | 157,968.89   | 137,791.57       | 147,194.53   | 264,534.18       | 270,594.24   |
| Depreciation of Capital Expend.                | \$15,369.96      | \$14,694.96  | 69,236.05        | 71,818.81    | 19,399.00        | 26,026.00    |
| Grand Total                                    | \$176,427.83     | \$172,663.85 | \$207,027.62     | \$219,013.34 | \$283,933.18     | \$296,620.24 |

# COMPARISON OF TOTAL COSTS OF FISH PRODUCED

FOR JULY 1, 1990 TO JUNE 30 1991

| Item                                           | <u>Eureka - MSTH</u> |              | <u>Somers - FLSH</u> |             | <u>Miles City - MCFH</u> |              |
|------------------------------------------------|----------------------|--------------|----------------------|-------------|--------------------------|--------------|
|                                                | Previous Year        | 1992         | Previous Year        | 1992        | Previous Year            | 1992         |
| Salaries and Benefits                          | \$88,454.00          | \$96,708.00  | \$51,349.00          | \$59,129.00 | \$91,092.34              | \$102,826.88 |
| Operations and Maintenance<br>minus food costs | 10,863.36            | 21,820.00    | 13,141.00            | 15,447.00   | 115,903.46               | 129,769.46   |
| equipment and other<br>expenses                | 2,272.91             | 0.00         | 13,840.00            | 0.00        | 1,578.00                 | 0.00         |
| Subtotal                                       | 101,590.27           | 118,528.00   | 78,330.00            | 74,576.00   | 208,573.80               | 232,596.34   |
| Feed costs                                     | 21,039.43            | 20,144.00    | 1,373.30             | 955.68      | 8,205.44                 | 5,555.60     |
| Total Direct Costs                             | 122,629.70           | 138,672.00   | 79,703.30            | 75,531.68   | 216,779.24               | 238,151.94   |
| Depreciation of Capital Expend.                | 56,000.00            | 58,000.00    | 2,768.00             | 2,768.00    | 162,608.10               | 158,360.85   |
| Grand Total                                    | \$178,629.70         | \$196,672.00 | \$82,471.30          | \$78,299.68 | \$379,387.34             | \$396,512.79 |

# ANNUAL HATCHERY COST REPORT

Hatchery = Washoe Park Trout Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00040000 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 30804             | 3721.3          | 8.28              | 0.12080573          | 6.709               | 488872                   |
| Transfer In         | 4450851           | 12792.1         | 347.94            | 0.00287407          | 1.930               | 445452                   |
| Transfer Out        | 4442354           | 6117.8          | 726.14            | 0.00137715          | 1.510               | 1184981                  |
| Plants              | 9672              | 264.6           | 36.55             | 0.02735732          | 4.090               | 39655                    |
| Ending Inventory    | 29629             | 13340.0         | 2.22              | 0.45023456          | 10.402              | 266881                   |
| TOTALS              | 0                 | 3209.0          |                   |                     |                     | 557193                   |

COST ==> 149676.55 <==  
 DEPRECIATION ==> 10240.58 <== Cost per inch produced (direct cost)= 0.2686  
 Cost per inch produced (direct cost + depreciation)= 0.2870

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.40                   | 269.20                   | \$76.70    | 287.58                      | \$86.88    |
| 2.00                   | 3.20                   | 541.85                   | \$155.00   | 578.61                      | \$175.37   |
| 3.00                   | 10.80                  | 821.41                   | \$236.52   | 876.54                      | \$267.07   |
| 4.00                   | 25.60                  | 1111.31                  | \$322.85   | 1184.83                     | \$363.59   |
| 5.00                   | 50.00                  | 1415.02                  | \$415.60   | 1506.92                     | \$466.53   |
| 6.00                   | 86.40                  | 1735.99                  | \$516.38   | 1846.26                     | \$577.49   |
| 7.00                   | 137.20                 | 2077.66                  | \$626.80   | 2206.31                     | \$698.09   |
| 8.00                   | 204.80                 | 2443.49                  | \$748.45   | 2590.52                     | \$829.93   |
| 9.00                   | 291.60                 | 2836.92                  | \$882.95   | 3002.33                     | \$974.61   |
| 10.00                  | 400.00                 | 3261.41                  | \$1,031.89 | 3445.20                     | \$1,133.74 |
| 11.00                  | 532.40                 | 3720.41                  | \$1,196.89 | 3922.58                     | \$1,308.92 |
| 12.00                  | 691.20                 | 4217.37                  | \$1,379.55 | 4437.92                     | \$1,501.77 |

Based on 5903 Lbs. Food  
 Total feed costs ==> 4614.15 <==  
 Avg. food cost/lb.=> 0.7817 <==  
 Feed cost per lb. gained 1.4379  
 State Average \$0.4452

# ANNUAL HATCHERY COST REPORT

Hatchery = Jocko River Trout Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00040000 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 53878             | 26057.0         | 2.07              | 0.48362968          | 10.653              | 359325                   |
| Transfer In         | 8048623           | 0.0             | 0.00              | 0                   | 0.000               | 0                        |
| Transfer Out        | 7715881           | 38.0            | 203049.50         | 0.00000492          | 0.231               | 1928970                  |
| Plants              | 348117            | 35337.0         | 9.85              | 0.10150897          | 6.331               | 1618289                  |
| Ending Inventory    | 38503             | 14374.0         | 2.68              | 0.37332155          | 9.773               | 262450                   |
| TOTALS              | 0                 | 23692.0         |                   |                     |                     | 3450384                  |

COST ==> 154789.20 <==  
 DEPRECIATION ==> 9905.40 <== Cost per inch produced (direct cost)= 0.0449  
 Cost per inch produced (direct cost + depreciation)= 0.0477

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.40                   | 45.06                    | \$76.70    | 47.93                       | \$86.88    |
| 2.00                   | 3.20                   | 91.29                    | \$155.00   | 97.03                       | \$175.37   |
| 3.00                   | 10.80                  | 139.86                   | \$236.52   | 148.47                      | \$267.07   |
| 4.00                   | 25.60                  | 191.95                   | \$322.85   | 203.44                      | \$363.59   |
| 5.00                   | 50.00                  | 248.74                   | \$415.60   | 263.09                      | \$466.53   |
| 6.00                   | 86.40                  | 311.39                   | \$516.38   | 328.61                      | \$577.49   |
| 7.00                   | 137.20                 | 381.07                   | \$626.80   | 401.17                      | \$698.09   |
| 8.00                   | 204.80                 | 458.96                   | \$748.45   | 481.93                      | \$829.93   |
| 9.00                   | 291.60                 | 546.24                   | \$882.95   | 572.08                      | \$974.61   |
| 10.00                  | 400.00                 | 644.07                   | \$1,031.89 | 672.78                      | \$1,133.74 |
| 11.00                  | 532.40                 | 753.62                   | \$1,196.89 | 785.20                      | \$1,308.92 |
| 12.00                  | 691.20                 | 876.08                   | \$1,379.55 | 910.53                      | \$1,501.77 |

Based on 39134 Lbs. Food  
 Total feed costs ==> 11576.68 <== Feed cost per lb. gained 0.4886  
 Avg. food cost/lb.=> 0.2958 <== State Average \$0.4452

# ANNUAL HATCHERY COST REPORT

Hatchery = Yellowstone River Trout Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00037050 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 275265            | 1090.9          | 252.33            | 0.00396309          | 2.203               | 428152                   |
| Transfer In         | 1298741           | 1.0             | 0.00              | 0                   | 0.000               | 5336                     |
| Transfer Out        | 1082442           | 386.1           | 2803.53           | 0.00035669          | 0.987               | 394381                   |
| Plants              | 249939            | 1793.9          | 139.33            | 0.00717735          | 2.686               | 630829                   |
| Ending Inventory    | 241625            | 2484.5          | 97.25             | 0.01028246          | 3.028               | 367767                   |
| TOTALS              | 0                 | 3572.6          |                   |                     |                     | 959489                   |

COST ==> 93060.30 <==  
 DEPRECIATION ==> 16384.47 <== Cost per inch produced (direct cost)= 0.0970  
 Cost per inch produced (direct cost + depreciation)= 0.1141

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.37                   | 97.28                    | \$76.70    | 114.36                      | \$86.88    |
| 2.00                   | 2.96                   | 196.30                   | \$155.00   | 230.46                      | \$175.37   |
| 3.00                   | 10.00                  | 298.82                   | \$236.52   | 350.05                      | \$267.07   |
| 4.00                   | 23.71                  | 406.56                   | \$322.85   | 474.87                      | \$363.59   |
| 5.00                   | 46.31                  | 521.28                   | \$415.60   | 606.66                      | \$466.53   |
| 6.00                   | 80.03                  | 644.73                   | \$516.38   | 747.18                      | \$577.49   |
| 7.00                   | 127.08                 | 778.63                   | \$626.80   | 898.17                      | \$698.09   |
| 8.00                   | 189.70                 | 924.75                   | \$748.45   | 1061.36                     | \$829.93   |
| 9.00                   | 270.09                 | 1084.82                  | \$882.95   | 1238.50                     | \$974.61   |
| 10.00                  | 370.50                 | 1260.58                  | \$1,031.89 | 1431.35                     | \$1,133.74 |
| 11.00                  | 493.14                 | 1453.79                  | \$1,196.89 | 1641.63                     | \$1,308.92 |
| 12.00                  | 640.22                 | 1666.19                  | \$1,379.55 | 1871.10                     | \$1,501.77 |

Based on 4729 Lbs. Food  
 Total feed costs ==> 2803.02 <==  
 Avg. food cost/lb.==> 0.5927 <==  
 Feed cost per lb. gained 0.7846  
 State Average \$0.4452

# ANNUAL HATCHERY COST REPORT

Hatchery = Bluewater Springs Trout Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00040000 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 391100            | 9053.4          | 43.20             | 0.02314855          | 3.868               | 931468                   |
| Transfer In         | 1202288           | 316.9           | 3793.90           | 0.00026358          | 0.870               | 460059                   |
| Transfer Out        | 444775            | 847.5           | 524.81            | 0.00190545          | 1.683               | 331767                   |
| Plants              | 756264            | 46697.7         | 16.19             | 0.06174788          | 5.364               | 3570341                  |
| Ending Inventory    | 392349            | 12692.4         | 30.91             | 0.03234977          | 4.325               | 1504397                  |
| TOTALS              | 0                 | 50867.3         |                   |                     |                     | 4014978                  |

COST ==> 136932.93 <==  
 DEPRECIATION ==> 14694.96 <== Cost per inch produced (direct cost)= 0.0341  
 Cost per inch produced (direct cost + depreciation)= 0.0378

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.40                   | 34.27                    | \$76.70    | 37.93                       | \$86.88    |
| 2.00                   | 3.20                   | 69.53                    | \$155.00   | 76.85                       | \$175.37   |
| 3.00                   | 10.80                  | 106.78                   | \$236.52   | 117.76                      | \$267.07   |
| 4.00                   | 25.60                  | 147.01                   | \$322.85   | 161.65                      | \$363.59   |
| 5.00                   | 50.00                  | 191.20                   | \$415.60   | 209.51                      | \$466.53   |
| 6.00                   | 86.40                  | 240.36                   | \$516.38   | 262.32                      | \$577.49   |
| 7.00                   | 137.20                 | 295.48                   | \$626.80   | 321.10                      | \$698.09   |
| 8.00                   | 204.80                 | 357.54                   | \$748.45   | 386.82                      | \$829.93   |
| 9.00                   | 291.60                 | 427.54                   | \$882.95   | 460.48                      | \$974.61   |
| 10.00                  | 400.00                 | 506.47                   | \$1,031.89 | 543.07                      | \$1,133.74 |
| 11.00                  | 532.40                 | 595.33                   | \$1,196.89 | 635.59                      | \$1,308.92 |
| 12.00                  | 691.20                 | 695.11                   | \$1,379.55 | 739.03                      | \$1,501.77 |

Based on 56747 Lbs. Food  
 Total feed costs ==> 21035.96 <==  
 Avg. food cost/lb.=> 0.3707 <==  
 Feed cost per lb. gained 0.4135  
 State Average \$0.4452

# ANNUAL HATCHERY COST REPORT

Hatchery = Giant Springs Trout Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00040000 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 486586            | 12184.3         | 39.94             | 0.02504038          | 3.971               | 1403556                  |
| Transfer In         | 1298854           | 5743.6          | 226.14            | 0.00442205          | 2.228               | 416402                   |
| Transfer Out        | 207890            | 6558.6          | 31.70             | 0.03154841          | 4.289               | 143795                   |
| Plants              | 1350841           | 57767.4         | 23.38             | 0.04276402          | 4.746               | 6060848                  |
| Ending Inventory    | 226709            | 8404.3          | 26.98             | 0.03707087          | 4.525               | 901469                   |
| TOTALS              | 0                 | 54802.4         |                   |                     |                     | 5286154                  |

|                  |               |                                                      |        |
|------------------|---------------|------------------------------------------------------|--------|
| COST ==>         | 129312.37 <== |                                                      |        |
| DEPRECIATION ==> | 71818.81 <==  | Cost per inch produced (direct cost)=                | 0.0245 |
|                  |               | Cost per inch produced (direct cost + depreciation)= | 0.0380 |

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.40                   | 24.59                    | \$76.70    | 38.18                       | \$86.88    |
| 2.00                   | 3.20                   | 49.97                    | \$155.00   | 77.14                       | \$175.37   |
| 3.00                   | 10.80                  | 76.91                    | \$236.52   | 117.67                      | \$267.07   |
| 4.00                   | 25.60                  | 106.20                   | \$322.85   | 160.55                      | \$363.59   |
| 5.00                   | 50.00                  | 138.63                   | \$415.60   | 206.56                      | \$466.53   |
| 6.00                   | 86.40                  | 174.97                   | \$516.38   | 256.48                      | \$577.49   |
| 7.00                   | 137.20                 | 216.01                   | \$626.80   | 311.11                      | \$698.09   |
| 8.00                   | 204.80                 | 262.53                   | \$748.45   | 371.22                      | \$829.93   |
| 9.00                   | 291.60                 | 315.31                   | \$882.95   | 437.59                      | \$974.61   |
| 10.00                  | 400.00                 | 375.15                   | \$1,031.89 | 511.01                      | \$1,133.74 |
| 11.00                  | 532.40                 | 442.81                   | \$1,196.89 | 592.26                      | \$1,308.92 |
| 12.00                  | 691.20                 | 519.09                   | \$1,379.55 | 682.12                      | \$1,501.77 |

|                       |                 |                          |          |
|-----------------------|-----------------|--------------------------|----------|
| Based on              | 48580 Lbs. Food | Feed cost per lb. gained | 0.3263   |
| Total feed costs ==>  | 17882.16 <==    | State Average            | \$0.4452 |
| Avg. food cost/lb.==> | 0.3681 <==      |                          |          |

# ANNUAL HATCHERY COST REPORT

Hatchery = Big Springs Trout Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00040340 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 1546436           | 29114.0         | 53.12             | 0.01882651          | 3.600               | 4204375                  |
| Transfer In         | 2365100           | 1305.0          | 1812.34           | 0.00055177          | 1.110               | 494407                   |
| Transfer Out        | 777304            | 6879.0          | 113.00            | 0.00884981          | 2.799               | 1229538                  |
| Plants              | 2121110           | 88604.0         | 23.94             | 0.04177246          | 4.696               | 8942845                  |
| Ending Inventory    | 1013122           | 17701.0         | 57.24             | 0.01747173          | 3.512               | 2862786                  |
| TOTALS              | 0                 | 82765.0         |                   |                     |                     | 8336387                  |

COST ==> 270594.00 <==  
 DEPRECIATION ==> 26026.00 <== Cost per inch produced (direct cost)= 0.0325  
 Cost per inch produced (direct cost + depreciation)= 0.0356

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.40                   | 32.63                    | \$76.70    | 35.75                       | \$86.88    |
| 2.00                   | 3.23                   | 66.29                    | \$155.00   | 72.54                       | \$175.37   |
| 3.00                   | 10.89                  | 102.02                   | \$236.52   | 111.38                      | \$267.07   |
| 4.00                   | 25.82                  | 140.84                   | \$322.85   | 153.33                      | \$363.59   |
| 5.00                   | 50.43                  | 183.78                   | \$415.60   | 199.39                      | \$466.53   |
| 6.00                   | 87.13                  | 231.88                   | \$516.38   | 250.61                      | \$577.49   |
| 7.00                   | 138.37                 | 286.17                   | \$626.80   | 308.02                      | \$698.09   |
| 8.00                   | 206.54                 | 347.67                   | \$748.45   | 372.65                      | \$829.93   |
| 9.00                   | 294.08                 | 417.43                   | \$882.95   | 445.53                      | \$974.61   |
| 10.00                  | 403.40                 | 496.47                   | \$1,031.89 | 527.69                      | \$1,133.74 |
| 11.00                  | 536.93                 | 585.82                   | \$1,196.89 | 620.16                      | \$1,308.92 |
| 12.00                  | 697.08                 | 686.51                   | \$1,379.55 | 723.97                      | \$1,501.77 |

Based on 89294 Lbs. Food  
 Total feed costs ==> 35263 <==  
 Avg. food cost/lb.=> 0.3949 <==  
 Feed cost per lb. gained 0.4261  
 State Average \$0.4452

# ANNUAL HATCHERY COST REPORT

Hatchery = Murray Springs Trout Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00035000 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 545302            | 8123.0          | 67.13             | 0.01489633          | 3.491               | 1903649                  |
| Transfer In         | 546468            | 5792.0          | 94.35             | 0.01059897          | 3.117               | 336370                   |
| Transfer Out        | 36140             | 12657.0         | 2.86              | 0.35022136          | 10.002              | 361400                   |
| Plants              | 691250            | 35088.0         | 19.70             | 0.05076021          | 5.254               | 3629062                  |
| Ending Inventory    | 364380            | 3239.0          | 112.50            | 0.00888907          | 2.939               | 1071277                  |
| TOTALS              | 0                 | 37069.0         |                   |                     |                     | 2821720                  |

|                  |               |                                                      |        |
|------------------|---------------|------------------------------------------------------|--------|
| COST ==>         | 138672.00 <== |                                                      |        |
| DEPRECIATION ==> | 58000.00 <==  | Cost per Inch produced (direct cost)=                | 0.0491 |
|                  |               | Cost per Inch produced (direct cost + depreciation)= | 0.0697 |

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.35                   | 49.33                    | \$76.70    | 69.89                       | \$86.88    |
| 2.00                   | 2.80                   | 99.81                    | \$155.00   | 140.92                      | \$175.37   |
| 3.00                   | 9.45                   | 152.57                   | \$236.52   | 214.23                      | \$267.07   |
| 4.00                   | 22.40                  | 208.75                   | \$322.85   | 290.97                      | \$363.59   |
| 5.00                   | 43.75                  | 269.50                   | \$415.60   | 372.27                      | \$466.53   |
| 6.00                   | 75.60                  | 335.95                   | \$516.38   | 459.28                      | \$577.49   |
| 7.00                   | 120.05                 | 409.25                   | \$626.80   | 553.13                      | \$698.09   |
| 8.00                   | 179.20                 | 490.54                   | \$748.45   | 654.97                      | \$829.93   |
| 9.00                   | 255.15                 | 580.95                   | \$882.95   | 765.95                      | \$974.61   |
| 10.00                  | 350.00                 | 681.64                   | \$1,031.89 | 887.19                      | \$1,133.74 |
| 11.00                  | 465.85                 | 793.74                   | \$1,196.89 | 1019.84                     | \$1,308.92 |
| 12.00                  | 604.80                 | 918.39                   | \$1,379.55 | 1165.05                     | \$1,501.77 |

|                       |                 |                          |          |
|-----------------------|-----------------|--------------------------|----------|
| Based on              | 42628 Lbs. Food | Feed cost per lb. gained | 0.5434   |
| Total feed costs ==>  | 20143.83 <==    | State Average            | \$0.4452 |
| Avg. food cost/lb.==> | 0.4725 <==      |                          |          |

# ANNUAL HATCHERY COST REPORT

Hatchery = Flathead Lake Salmon Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00030000 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 0                 | 0.0             | 0.00              | 0                   | 0.000               | 0                        |
| Transfer In         | 1175420           | 245.0           | 4797.63           | 0.00020843          | 0.886               | 255512                   |
| Transfer Out        | 157134            | 13.0            | 12087.23          | 0.00008273          | 0.651               | 31427                    |
| Plants              | 1018286           | 912.0           | 1116.54           | 0.00089562          | 1.440               | 1466332                  |
| Ending Inventory    | 0                 | 0.0             | 0.00              | 0                   | 0.000               | 0                        |
| TOTALS              | 0                 | 680.0           |                   |                     |                     | 1242247                  |

COST ==> 75531.00 <==  
 DEPRECIATION ==> 2768.00 <== Cost per inch produced (direct cost)= 0.0608  
 Cost per inch produced (direct cost + depreciation)= 0.0630

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.30                   | 61.22                    | \$76.70    | 63.45                       | \$86.88    |
| 2.00                   | 2.40                   | 124.97                   | \$155.00   | 129.43                      | \$175.37   |
| 3.00                   | 8.10                   | 193.78                   | \$236.52   | 200.47                      | \$267.07   |
| 4.00                   | 19.20                  | 270.17                   | \$322.85   | 279.09                      | \$363.59   |
| 5.00                   | 37.50                  | 356.68                   | \$415.60   | 367.82                      | \$466.53   |
| 6.00                   | 64.80                  | 455.82                   | \$516.38   | 469.19                      | \$577.49   |
| 7.00                   | 102.90                 | 570.13                   | \$626.80   | 585.72                      | \$698.09   |
| 8.00                   | 153.60                 | 702.13                   | \$748.45   | 719.96                      | \$829.93   |
| 9.00                   | 218.70                 | 854.36                   | \$882.95   | 874.42                      | \$974.61   |
| 10.00                  | 300.00                 | 1029.34                  | \$1,031.89 | 1051.62                     | \$1,133.74 |
| 11.00                  | 399.30                 | 1229.60                  | \$1,196.89 | 1254.11                     | \$1,308.92 |
| 12.00                  | 518.40                 | 1457.67                  | \$1,379.55 | 1484.41                     | \$1,501.77 |

Based on 528 Lbs. Food  
 Total feed costs ==> 955 <==  
 Avg. food cost/lb.=> 1.8087 <==  
 Feed cost per lb. gained 1.4044  
 State Average \$0.4452

# ANNUAL HATCHERY COST REPORT

Hatchery = Miles City Fish Hatchery  
 Year = FY1992 <==  
 Condition Factor 0.00031000 <==

|                     | Number<br>of Fish | Total<br>Weight | Fish<br>Per Pound | Wt. of<br>Ave. Fish | Ave. Fish<br>Length | Total Length<br>(Inches) |
|---------------------|-------------------|-----------------|-------------------|---------------------|---------------------|--------------------------|
| Beginning Inventory | 441040            | 1075.6          | 410.04            | 0.00243878          | 1.989               | 269331                   |
| Transfer In         | 53180785          | 1863.8          | 28533.53          | 0.00003504          | 0.484               | 11464526                 |
| Transfer Out        | 24214995          | 115.4           | 209835.31         | 0.00000476          | 0.249               | 6162802                  |
| Plants              | 28981175          | 4334.8          | 6685.70           | 0.00014957          | 0.784               | 8954777                  |
| Ending Inventory    | 425655            | 1120.8          | 379.78            | 0.00263311          | 2.040               | 242827                   |
| TOTALS              | 0                 | 2631.6          |                   |                     |                     | 3626549                  |

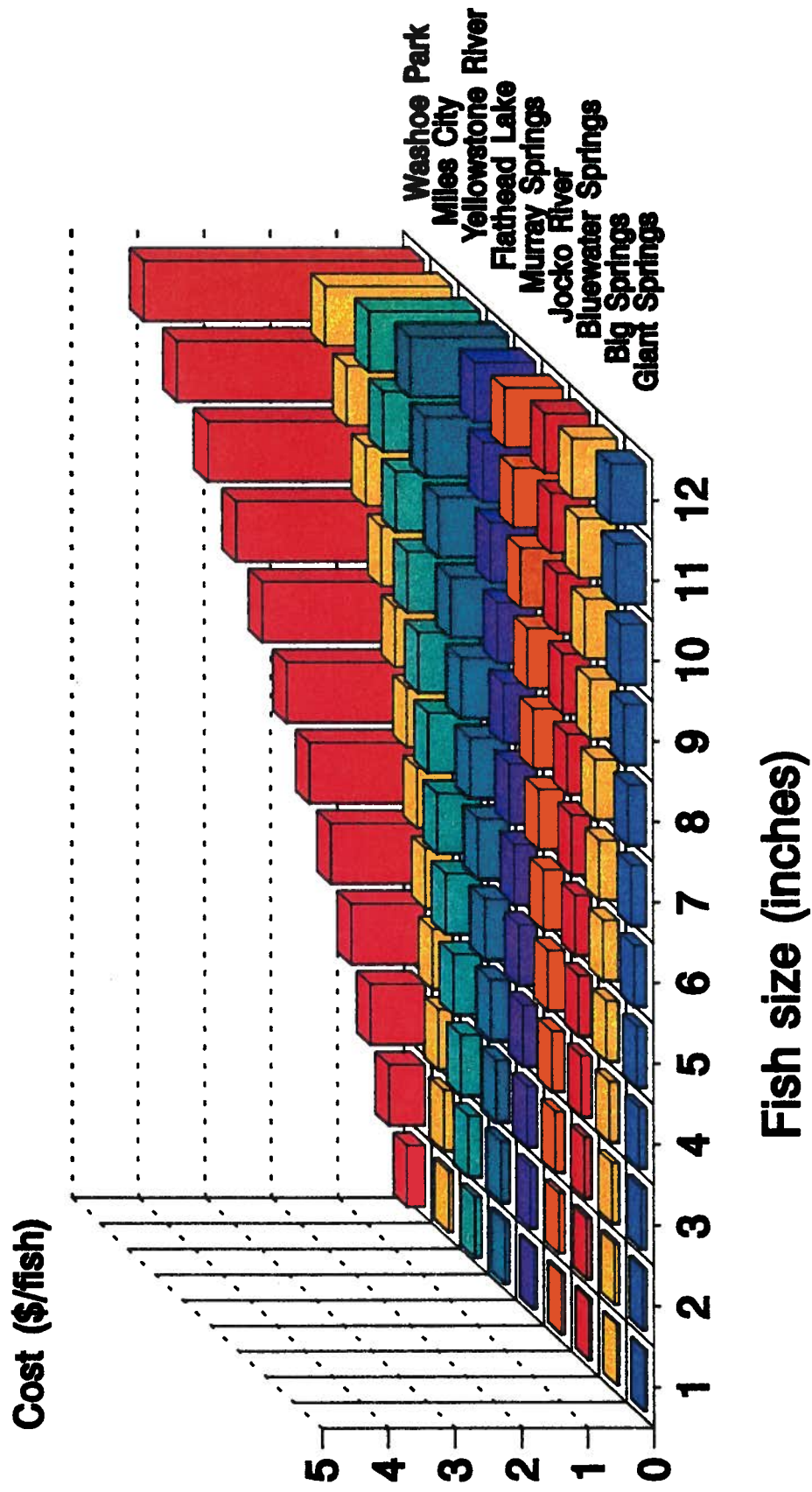
COST ==> 235596.34 <==  
 DEPRECIATION ==> 158360.85 <== Cost per Inch produced (direct cost)= 0.0650  
 Cost per inch produced (direct cost + depreciation)= 0.1086

## COST PREDICTOR BY SIZE

| Fish Size<br>In Inches | Weight of<br>1000 Fish | Direct Costs<br>For Unit | State Ave. | Cost with Depr.<br>For Unit | State Ave. |
|------------------------|------------------------|--------------------------|------------|-----------------------------|------------|
| 1.00                   | 0.31                   | 65.62                    | \$76.70    | 109.29                      | \$86.88    |
| 2.00                   | 2.48                   | 135.16                   | \$155.00   | 222.50                      | \$175.37   |
| 3.00                   | 8.37                   | 212.56                   | \$236.52   | 343.56                      | \$267.07   |
| 4.00                   | 19.84                  | 301.74                   | \$322.85   | 476.41                      | \$363.59   |
| 5.00                   | 38.75                  | 406.63                   | \$415.60   | 624.96                      | \$466.53   |
| 6.00                   | 66.96                  | 531.15                   | \$516.38   | 793.15                      | \$577.49   |
| 7.00                   | 106.33                 | 679.22                   | \$626.80   | 984.89                      | \$698.09   |
| 8.00                   | 158.72                 | 854.79                   | \$748.45   | 1204.13                     | \$829.93   |
| 9.00                   | 225.99                 | 1061.77                  | \$882.95   | 1454.77                     | \$974.61   |
| 10.00                  | 310.00                 | 1304.09                  | \$1,031.89 | 1740.76                     | \$1,133.74 |
| 11.00                  | 412.61                 | 1585.67                  | \$1,196.89 | 2066.01                     | \$1,308.92 |
| 12.00                  | 535.68                 | 1910.45                  | \$1,379.55 | 2434.46                     | \$1,501.77 |

Based on 58385.3 Lbs. Food  
 Total feed costs ==> 5555.6 <== Feed cost per lb. gained 2.1111  
 Avg. food cost/lb.=> 0.0952 <== State Average \$0.4452

# Hatchery Cost Report (FY-92)



# ANNUAL FISH FOOD ORDERS

Hatchery Summary  
Year FY1992

| Producer     | Silver Cup | Stltr    | #1         | #2         | #3          | #4          | #5       | 3/32"       | 1/8"     | 5/32"      | 1/4"     |
|--------------|------------|----------|------------|------------|-------------|-------------|----------|-------------|----------|------------|----------|
| Pounds       |            | 800      | 2450       | 11050      | 52550       | 74800       |          | 55550       |          | 29000      |          |
| Avg Price/lb |            | \$0.4525 | \$0.4525   | \$0.4525   | \$0.3876    | \$0.3794    | \$0.0000 | \$0.3303    | \$0.0000 | \$0.3250   | \$0.0000 |
| Cost         |            | \$362.02 | \$1,108.65 | \$5,000.13 | \$20,370.00 | \$28,380.50 |          | \$18,348.75 |          | \$9,425.00 |          |

## TOTALS

Pounds 226200  
Avg Price/lb \$0.3669  
Cost \$82,995.05

| Producer     | Bioproducts | St #1 & #2 | St #3 & #4 | 1.0mm      | 1.3mm      | 1.5mm      | 2.5mm      | 3.0mm      | 4.0mm      | 5.0mm    | 6.0mm      |
|--------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|----------|------------|
| Pounds       |             | 2508       | 3432       | 4484       | 2904       | 3186       | 3792       | 4438       | 12430      |          | 25752      |
| Avg Price/lb |             | \$1.1737   | \$1.0146   | \$0.8487   | \$0.7141   | \$0.5162   | \$0.4833   | \$0.5781   | \$0.5592   | \$0.0000 | \$0.3295   |
| Cost         |             | \$2,943.74 | \$3,482.23 | \$3,805.71 | \$2,073.81 | \$1,644.66 | \$1,832.63 | \$2,565.55 | \$6,950.26 |          | \$8,484.63 |

## TOTALS

Pounds 62926  
Avg Price/lb \$0.5369  
Cost \$33,783.22

| Producer     | Other | Stltr      | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|--------------|-------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |       | 54803      | 772      | 1622     | 600      | 1200     |          |          |          | 1500     |          |
| Avg Price/lb |       | \$0.0507   | \$0.6573 | \$0.5820 | \$0.4900 | \$0.3800 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.3400 | \$0.0000 |
| Cost         |       | \$2,780.94 | \$507.40 | \$944.00 | \$294.00 | \$456.00 |          |          |          | \$510.00 |          |

## TOTALS

Pounds 60497  
Avg Price/lb \$0.0908  
Cost \$5,492.34

## GRAND TOTALS

Pounds 349623.3  
Avg Price/lb \$0.3497  
Cost \$122,270.61

# ANNUAL FISH FOOD ORDERS

Hatchery Yellowstone River Trout Hatchery  
Year FY92

| Producer | Silver Cup   | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          | 500      | 50       | 50       |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.4525 | \$0.4526 | \$0.3800 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          | \$226.25 | \$22.63  | \$19.00  |          |          |          |          |          |          |

## TOTALS

Pounds 600  
Avg Price/lb \$0.4465  
Cost \$267.88

| Producer | Bioproducts  | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm      |
|----------|--------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|------------|
|          | Pounds       | 132        |            |          |          |          |          |          | 400      |          | 3088       |
|          | Avg Price/lb | \$0.9483   | \$0.0000   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.5069 | \$0.0000 | \$0.6997   |
|          | Cost         | \$125.17   |            |          |          |          |          |          | \$202.76 |          | \$2,160.66 |

## TOTALS

Pounds 3620  
Avg Price/lb \$0.6875  
Cost \$2,488.59

| Producer | Rangers      | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          | 600      | 800      |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.4900 | \$0.4900 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          | \$294.00 | \$392.00 |          |          |          |          |          |          |          |

## TOTALS

Pounds 1400  
Avg Price/lb \$0.4900  
Cost \$686.00

## GRAND TOTALS

Pounds 5620  
Avg Price/lb \$0.6125  
Cost \$3,442.47

# ANNUAL FISH FOOD ORDERS

Hatchery Miles City Fish Hatchery  
Year FY92

| Producer | Silver Cup   | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          | 100      | 500      | 900      |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.4525 | \$0.4525 | \$0.3800 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          | \$45.25  | \$226.25 | \$342.00 |          |          |          |          |          |          |

## TOTALS

Pounds 1500  
Avg Price/lb \$0.4090  
Cost \$613.50

| Producer | Bioproducts  | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm    |
|----------|--------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       | 44         | 44         | 44       | 88       | 532      | 820      | 308      | 308      |          |          |
|          | Avg Price/lb | \$0.8711   | \$0.8711   | \$0.9645 | \$1.0250 | \$0.8430 | \$0.6740 | \$0.9838 | \$0.8903 | \$0.0000 | \$0.0000 |
|          | Cost         | \$38.33    | \$38.33    | \$42.44  | \$90.20  | \$448.48 | \$552.72 | \$303.00 | \$274.20 |          |          |

## TOTALS

Pounds 2188  
Avg Price/lb \$0.8170  
Cost \$1,787.70

| Producer | Biokyowa     | B-400     | B-400    | C-1700   | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       | 3         | 22       | 22       |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$35.9030 | \$6.3591 | \$7.2727 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         | \$118.48  | \$139.90 | \$160.00 |          |          |          |          |          |          |          |

## TOTALS

Pounds 47  
Avg Price/lb \$8.8452  
Cost \$418.38

## GRAND TOTALS

Pounds 3735.3  
Avg Price/lb \$0.7548  
Cost \$2,819.58

# ANNUAL FISH FOOD ORDERS

Hatchery Miles City Fish Hatchery  
Year FY92

| Producer | Silver Cup   | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          |          |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          |          |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

| Producer | Bioproducts  | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm    |
|----------|--------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |            |            |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000   | \$0.0000   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |            |            |          |          |          |          |          |          |          |          |

## 22 TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

| Producer | Alfalfa      | Strtr      | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       | 54800      |          |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0486   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         | \$2,662.46 |          |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 54800  
Avg Price/lb \$0.0486  
Cost \$2,662.46

## GRAND TOTALS

Pounds 54800  
Avg Price/lb \$0.0486  
Cost \$2,662.46

# ANNUAL FISH FOOD ORDERS

Hatchery Bluewater Springs Trout Hatchery  
Year FY92

| Producer     | Silver Cup | Strtr    | #1       | #2       | #3         | #4         | #5       | 3/32"      | 1/8"     | 5/32"      | 1/4"     |
|--------------|------------|----------|----------|----------|------------|------------|----------|------------|----------|------------|----------|
| Pounds       |            | 300      | 250      | 1950     | 7000       | 15800      |          | 14200      |          | 17700      |          |
| Avg Price/lb |            | \$0.4525 | \$0.4525 | \$0.4525 | \$0.3800   | \$0.3900   | \$0.0000 | \$0.3250   | \$0.0000 | \$0.3250   | \$0.0000 |
| Cost         |            | \$135.76 | \$113.13 | \$882.38 | \$2,660.00 | \$6,004.00 |          | \$4,615.00 |          | \$5,752.50 |          |

## TOTALS

Pounds 57200  
Avg Price/lb \$0.3525  
Cost \$20,162.77

| Producer     | Bioproducts | St #1 & #2 | St #3 & #4 | 1.0mm      | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm    |
|--------------|-------------|------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |             | 352        | 572        | 1188       |          |          |          |          |          |          |          |
| Avg Price/lb |             | \$0.8682   | \$0.8649   | \$0.8643   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
| Cost         |             | \$305.60   | \$494.72   | \$1,026.79 |          |          |          |          |          |          |          |

## TOTALS

Pounds 2112  
Avg Price/lb \$0.8651  
Cost \$1,827.11

| Producer     | Other | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|--------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |       |          |          |          |          |          |          |          |          |          |          |
| Avg Price/lb |       | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
| Cost         |       | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

## GRAND TOTALS

Pounds 59312  
Avg Price/lb \$0.3707  
Cost \$21,989.88

# ANNUAL FISH FOOD ORDERS

Hatchery \_ Flathead Lake Salmon Hatchery \_  
Year \_ FY92 \_

| Producer | Silver Cup   | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          |          |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          |          |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

| Producer | Bioproducts  | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm    |
|----------|--------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       | 528        |            |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$1.8100   | \$0.0000   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         | \$955.68   |            |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 528  
Avg Price/lb \$1.8100  
Cost \$955.68

| Producer | Other        | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          |          |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          |          |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

## GRAND TOTALS

Pounds 528  
Avg Price/lb \$1.8100  
Cost \$955.68

# ANNUAL FISH FOOD ORDERS

Hatchery Jocko River Trout Hatchery  
Year FY92

| Producer | Silver Cup   | Strtr    | #1       | #2       | #3         | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          |          | 200      | 5800       |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.0000 | \$0.4525 | \$0.3800   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          |          | \$90.50  | \$2,204.00 |          |          |          |          |          |          |

## TOTALS

Pounds 6000  
Avg Price/lb \$0.3824  
Cost \$2,294.50

| Producer | Bioproducts  | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm      | 4.0mm      | 5.0mm    | 6.0mm      |
|----------|--------------|------------|------------|----------|----------|----------|----------|------------|------------|----------|------------|
|          | Pounds       | 88         | 308        | 700      | 1100     | 1950     | 400      | 3250       | 4520       |          | 20318      |
|          | Avg Price/lb | \$1.1245   | \$1.1211   | \$0.5500 | \$0.5629 | \$0.2648 | \$0.0000 | \$0.4233   | \$0.2991   | \$0.0000 | \$0.2179   |
|          | Cost         | \$98.96    | \$345.30   | \$384.97 | \$619.17 | \$516.40 |          | \$1,375.69 | \$1,351.80 |          | \$4,427.44 |

## TOTALS

Pounds 32634  
Avg Price/lb \$0.2795  
Cost \$9,119.73

| Producer | Other        | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          |          |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         |          |          |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

## GRAND TOTALS

Pounds 38634  
Avg Price/lb \$0.2954  
Cost \$11,414.23

# ANNUAL FISH FOOD ORDERS

Hatchery Washoe Park Trout Hatchery  
Year FY92

| Producer     | Silver Cup | Stltr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|--------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |            |          |          |          |          |          |          |          |          | 200      |          |
| Avg Price/lb |            | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.3250 | \$0.0000 |
| Cost         |            |          |          |          |          |          |          |          |          | \$65.00  |          |

## TOTALS

Pounds 200  
Avg Price/lb \$0.3250  
Cost \$65.00

| Producer     | Bioproducts | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm      | 5.0mm    | 6.0mm      |
|--------------|-------------|------------|------------|----------|----------|----------|----------|----------|------------|----------|------------|
| Pounds       |             |            |            |          | 132      | 264      | 176      | 792      | 6362       |          | 2202       |
| Avg Price/lb |             | \$0.0000   | \$0.0000   | \$0.0000 | \$0.9645 | \$0.8051 | \$0.8624 | \$0.9917 | \$0.7254   | \$0.0000 | \$0.8256   |
| Cost         |             |            |            |          | \$127.31 | \$212.54 | \$151.78 | \$785.40 | \$4,614.86 |          | \$1,818.00 |

## TOTALS

Pounds 9928  
Avg Price/lb \$0.7766  
Cost \$7,709.89

| Producer     | Other | Stltr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|--------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |       |          |          |          |          |          |          |          |          |          |          |
| Avg Price/lb |       | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
| Cost         |       |          |          |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

## GRAND TOTALS

Pounds 10128  
Avg Price/lb \$0.7677  
Cost \$7,774.89

# ANNUAL FISH FOOD ORDERS

Hatchery Giant Springs Trout Hatchery  
Year FY92

| Producer | Silver Cup   | Strtr    | #1       | #2         | #3         | #4         | #5       | 3/32"      | 1/8"     | 5/32"      | 1/4"     |
|----------|--------------|----------|----------|------------|------------|------------|----------|------------|----------|------------|----------|
|          | Pounds       | 200      | 950      | 3700       | 10500      | 17100      |          | 7000       |          | 5200       |          |
|          | Avg Price/lb | \$0.4525 | \$0.4525 | \$0.4525   | \$0.3800   | \$0.3800   | \$0.0000 | \$0.3250   | \$0.0000 | \$0.3250   | \$0.0000 |
|          | Cost         | \$90.50  | \$429.88 | \$1,674.25 | \$3,990.00 | \$6,498.00 | \$0.0000 | \$2,275.00 | \$0.0000 | \$1,690.00 | \$0.0000 |

## TOTALS

Pounds 44650  
Avg Price/lb \$0.3728  
Cost \$16,647.63

| Producer | Bioproducts  | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm    |
|----------|--------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       | 308        |            |          |          |          |          |          |          |          |          |
|          | Avg Price/lb | \$1.1240   | \$0.0000   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
|          | Cost         | \$346.19   | \$0.0000   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |

## TOTALS

Pounds 308  
Avg Price/lb \$1.1240  
Cost \$346.19

| Producer | Rangens      | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          | Pounds       |          | 150      | 800      | 600      | 1200     |          |          |          | 1500     |          |
|          | Avg Price/lb | \$0.0000 | \$0.4900 | \$0.4900 | \$0.4900 | \$0.3800 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.3400 | \$0.0000 |
|          | Cost         | \$0.0000 | \$73.50  | \$392.00 | \$294.00 | \$456.00 | \$0.0000 | \$0.0000 | \$0.0000 | \$510.00 | \$0.0000 |

## TOTALS

Pounds 4250  
Avg Price/lb \$0.4060  
Cost \$1,725.50

## GRAND TOTALS

Pounds 49208  
Avg Price/lb \$0.3804  
Cost \$18,719.32

# ANNUAL FISH FOOD ORDERS

Hatchery Big Springs Trout Hatchery  
Year FY92

| Producer     | Silver Cup | Strtr    | #1       | #2         | #3         | #4          | #5 | 3/32"      | 1/8"     | 5/32"      | 1/4"     |
|--------------|------------|----------|----------|------------|------------|-------------|----|------------|----------|------------|----------|
| Pounds       |            | 300      | 650      | 4650       | 24400      | 32350       |    | 15900      |          | 5900       |          |
| Avg Price/lb |            | \$0.4525 | \$0.4525 | \$0.4525   | \$0.3850   | \$0.3816    |    | \$0.3250   | \$0.0000 | \$0.3250   | \$0.0000 |
| Cost         |            | \$135.76 | \$294.14 | \$2,104.12 | \$9,394.00 | \$12,344.50 |    | \$5,167.50 | \$0.0000 | \$1,917.50 | \$0.0000 |

## TOTALS

Pounds 84150  
Avg Price/lb \$0.3726  
Cost \$31,357.52

| Producer     | Bioproducts | St #1 & #2 | St #3 & #4 | 1.0mm    | 1.3mm    | 1.5mm    | 2.5mm    | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm    |
|--------------|-------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |             | 352        | 528        |          |          |          |          |          |          |          |          |
| Avg Price/lb |             | \$1.1245   | \$1.1268   | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
| Cost         |             | \$395.83   | \$594.95   |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 880  
Avg Price/lb \$1.1259  
Cost \$990.78

| Producer     | Other | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|--------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |       | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
| Avg Price/lb |       | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
| Cost         |       | \$0.00   | \$0.00   | \$0.00   | \$0.00   | \$0.00   | \$0.00   | \$0.00   | \$0.00   | \$0.00   | \$0.00   |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

## GRAND TOTALS

Pounds 85030  
Avg Price/lb \$0.3804  
Cost \$32,348.30

# ANNUAL FISH FOOD ORDERS

Hatchery Murray Springs Trout Hatchery  
Year FY92

| Producer     | Silver Cup | Strtr    | #1       | #2       | #3         | #4         | #5       | 3/32"      | 1/8"     | 5/32"    | 1/4"     |
|--------------|------------|----------|----------|----------|------------|------------|----------|------------|----------|----------|----------|
| Pounds       |            |          |          |          |            |            |          | 18450      |          |          |          |
| Avg Price/lb |            | \$0.0000 | \$0.0000 | \$0.0000 | \$0.4515   | \$0.3701   | \$0.0000 | \$0.3410   | \$0.0000 | \$0.0000 | \$0.0000 |
| Cost         |            |          |          |          | \$1,761.00 | \$3,534.00 |          | \$6,291.25 |          |          |          |

## TOTALS

Pounds 31900  
Avg Price/lb \$0.3632  
Cost \$11,586.25

| Producer     | Bioproducts | St #1 & #2 | St #3 & #4 | 1.0mm      | 1.3mm      | 1.5mm    | 2.5mm      | 3.0mm    | 4.0mm    | 5.0mm    | 6.0mm    |
|--------------|-------------|------------|------------|------------|------------|----------|------------|----------|----------|----------|----------|
| Pounds       |             | 704        | 1980       | 2552       | 1584       | 440      | 2396       | 88       | 840      |          | 144      |
| Avg Price/lb |             | \$0.9630   | \$1.0146   | \$0.9214   | \$0.7810   | \$1.0619 | \$0.4708   | \$1.1530 | \$0.6031 | \$0.0000 | \$0.5453 |
| Cost         |             | \$677.98   | \$2,008.93 | \$2,351.51 | \$1,237.13 | \$467.24 | \$1,128.13 | \$101.46 | \$506.64 |          | \$78.53  |

## TOTALS

Pounds 10728  
Avg Price/lb \$0.7977  
Cost \$8,557.55

| Producer     | Other | Strtr    | #1       | #2       | #3       | #4       | #5       | 3/32"    | 1/8"     | 5/32"    | 1/4"     |
|--------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Pounds       |       |          |          |          |          |          |          |          |          |          |          |
| Avg Price/lb |       | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 | \$0.0000 |
| Cost         |       |          |          |          |          |          |          |          |          |          |          |

## TOTALS

Pounds 0  
Avg Price/lb \$0.0000  
Cost \$0.00

## GRAND TOTALS

Pounds 42628  
Avg Price/lb \$0.4725  
Cost \$20,143.80

SALE OF SURPLUS EYED FISH EGGS FROM  
HATCHERY BROODSTOCKS  
FY92

| BID<br>#      | PURCHASING FIRM             | CONTACT PERSON | DATE OF<br>SALE | NUMBER<br>SOLD | PRICE<br>PER<br>1000 | TOTAL   | EGG<br>SALES CODE | TAKE<br>HAT | COMMENTS                 |
|---------------|-----------------------------|----------------|-----------------|----------------|----------------------|---------|-------------------|-------------|--------------------------|
| 91-2          | Trout Haven                 | Ed Furnish     | 09/25/91        | 100000         | 8.25                 | 825.00  | A001 B            | 02          | Some loss - Made up Bid  |
| 91-2          | Spring Creek Trout Hatchery | Tony Nowak     | 09/25/91        | 161000         | 8.25                 | 1328.25 | A001 B            | 02          | Some loss - made up      |
| 91-5          | Trout Haven                 | Ed Furnish     | 12/16/91        | 240000         | 9.25                 | 2220.00 | A001 H            | 02          |                          |
| 91-6          | Trout Haven                 | ED Furnish     | 01/13/92        | 200000         | 5.50                 | 1100.00 | A001 I            | 02          |                          |
| 92-1          | nelson Spring Creek Ranch   | Roger Nelson   | 01/28/92        | 30000          | 6.00                 | 180.00  | A001 J            | 02          | High Bidder              |
| 92-1          | Rainbow Springs Hatchery    | Tom Morgan     | 01/28/92        | 10000          | 6.00                 | 60.00   | A001 J            | 02          |                          |
| 92-1          | Harriman Trout Farms        | Allen Harriman | 01/28/92        | 30000          | 6.00                 | 180.00  | A001 J            | 02          |                          |
| 92-2          | Trout Haven                 | Dennis Sparks  | 02/02/92        | 125000         | 3.00                 | 375.00  | A001 K            | 02          | Last lot for this season |
| 92-3          | Rainbow Springs             | Tom Morgan     | 05/13/92        | 15000          | 10.00                | 150.00  | M013 I            | 03          |                          |
| *** Total *** |                             |                |                 | 911000         |                      | 6418.25 |                   |             |                          |

EGG PRODUCTION REPORT  
JOCKO RIVER TROUT HATCHERY  
FY 1992

RECEIVED

JAN 27 1993

FISHERIES DIV.  
DEPT. FISH WILDLIFE & PARKS

| HAT           | SPEC |          | L |         |       | EGGS | TOTAL | EYED    | EGGS    | TOTAL   | %EYED |
|---------------|------|----------|---|---------|-------|------|-------|---------|---------|---------|-------|
| CODE          | IES  | DATE     | T | FEMALES | MALES | OZ   | OZ    | EGGS    | FEMALE  | EGGS    | EGGS  |
| 02            | A001 | 08/14/91 | A | 24      | 28    | 381  | 281   | 85725   | 4460.87 | 107061  | 80.07 |
| 02            | A001 | 08/15/91 | A | 150     | 162   | 536  | 683   | 259960  | 2440.59 | 366088  | 71.01 |
| 02            | A001 | 08/28/91 | B | 114     | 115   | 334  | 1814  | 361722  | 5314.70 | 605876  | 59.70 |
| 02            | A001 | 08/28/91 | B | 197     | 202   | 536  | 1028  | 391816  | 2796.99 | 551008  | 71.11 |
| 02            | A001 | 09/11/91 | C | 118     | 120   | 334  | 1648  | 424514  | 4664.68 | 550432  | 77.12 |
| 02            | A001 | 09/11/91 | C | 149     | 150   | 507  | 1060  | 403065  | 3606.85 | 537420  | 75.00 |
| 02            | A001 | 09/25/91 | D | 65      | 65    | 318  | 871   | 207336  | 4261.20 | 276978  | 74.86 |
| 02            | A001 | 09/25/91 | D | 86      | 86    | 454  | 561   | 192950  | 2961.56 | 254694  | 75.76 |
| 02            | A001 | 10/23/91 | F | 39      | 40    | 304  | 530   | 133152  | 4131.28 | 161120  | 82.64 |
| 02            | A001 | 10/23/91 | F | 41      | 48    | 381  | 230   | 75438   | 2137.32 | 87630   | 86.09 |
| 02            | A001 | 10/24/91 | F | 10      | 12    | 277  | 163   | 34902   | 4515.10 | 45151   | 77.30 |
| 02            | A001 | 10/24/91 | F | 20      | 24    | 369  | 147   | 48708   | 2712.15 | 54243   | 89.80 |
| 02            | A001 | 11/06/91 | G | 51      | 52    | 253  | 952   | 191268  | 4722.67 | 240856  | 79.41 |
| 02            | A001 | 11/06/91 | G | 79      | 80    | 351  | 646   | 181818  | 2870.20 | 226746  | 80.19 |
| 02            | A001 | 11/06/91 | G | 9       | 12    | 253  | 170   | 38456   | 4778.89 | 43010   | 89.41 |
| 02            | A001 | 11/07/91 | G | 14      | 15    | 423  | 113   | 36801   | 3414.21 | 47799   | 76.99 |
| 02            | A001 | 11/20/91 | H | 152     | 152   | 238  | 3079  | 558348  | 4821.07 | 732802  | 76.19 |
| 02            | A001 | 11/21/91 | H | 213     | 213   | 334  | 1900  | 523378  | 2979.34 | 634600  | 82.47 |
| 02            | A001 | 10/09/91 | E | 45      | 48    | 369  | 358   | 102213  | 2935.60 | 132102  | 77.37 |
| 02            | A001 | 10/09/91 | E | 45      | 44    | 277  | 681   | 112462  | 4191.93 | 188637  | 59.62 |
| 02            | A001 | 12/04/91 | I | 169     | 168   | 253  | 3352  | 645656  | 5018.08 | 848056  | 76.13 |
| 02            | A001 | 12/05/91 | I | 217     | 216   | 334  | 2000  | 577152  | 3078.34 | 668000  | 86.40 |
| 02            | A001 | 12/17/91 | J | 55      | 36    | 318  | 530   | 103668  | 3064.36 | 168540  | 61.51 |
| 02            | A001 | 12/18/91 | J | 66      | 68    | 238  | 1347  | 239666  | 4857.36 | 320586  | 74.76 |
| 02            | A001 | 01/02/92 | K | 18      | 18    | 264  | 410   | 77616   | 6013.33 | 108240  | 71.71 |
| 02            | A001 | 01/02/92 | K | 27      | 32    | 318  | 286   | 64872   | 3368.44 | 90948   | 71.33 |
| *** Total *** |      |          |   | 2173    | 2206  |      | 24840 | 6072662 |         | 8048623 |       |

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YELLOWSTONE RIVER TROUT HATCHERY  
EGG PRODUCTION  
1992

FISHERIES DIV.  
DEPT. FISH WILDLIFE & PARKS

| DATE          | A A   | # B  | #     | OZS EGG | # EGGS | EGGS   | OZS  | OZ      | #    | %      | EYED   | EYED    | EYED  |        |       |        |
|---------------|-------|------|-------|---------|--------|--------|------|---------|------|--------|--------|---------|-------|--------|-------|--------|
|               | G G   | FE A | MALES | EGGS S  | /FE    | BAD    | EYED | EYED    | EYED | EYED   | SHIP   | SAVED   | SAVED |        |       |        |
|               | E E   | D    | /OZ   | AT      | EYE    | BROOD  | PROD |         |      |        |        |         |       |        |       |        |
|               | FE MA | FE   |       |         |        |        |      |         |      |        |        |         |       |        |       |        |
| 03/11/92      | 4     | 3    | 9     | 2       | 12     | 99.00  | 334  | 33066   | 3674 | 9.30   | 89.70  | 29960   | 90.6  | 0      | 668   | 29292  |
| 03/11/92      | 3     | 3    | 1     | 0       | 3      | 4.00   | 438  | 1752    | 1752 | 0.74   | 3.26   | 1428    | 81.5  | 0      | 0     | 1428   |
| 03/18/92      | 4     | 3    | 15    | 0       | 15     | 140.00 | 318  | 44520   | 2968 | 7.85   | 132.15 | 42024   | 94.4  | 0      | 890   | 41134  |
| 03/18/92      | 3     | 3    | 6     | 0       | 6      | 32.00  | 381  | 12192   | 2032 | 2.03   | 29.97  | 11419   | 93.7  | 0      | 0     | 11419  |
| 03/25/92      | 4     | 3    | 21    | 0       | 21     | 200.00 | 334  | 66800   | 3181 | 7.00   | 193.00 | 64462   | 96.5  | 0      | 1336  | 63126  |
| 03/25/92      | 3     | 3    | 13    | 0       | 13     | 70.40  | 381  | 26822   | 2063 | 9.00   | 61.40  | 23393   | 87.2  | 0      | 0     | 23393  |
| 04/01/92      | 4     | 3    | 27    | 0       | 27     | 269.00 | 334  | 89846   | 3328 | 12.34  | 255.66 | 85724   | 95.4  | 0      | 1837  | 83887  |
| 04/01/92      | 3     | 3    | 15    | 0       | 15     | 80.20  | 381  | 30556   | 2037 | 7.30   | 72.90  | 27775   | 90.9  | 0      | 0     | 27775  |
| 04/08/92      | 4     | 3    | 46    | 0       | 45     | 422.50 | 334  | 141115  | 3068 | 47.70  | 374.80 | 125183  | 88.7  | 121910 | 2839  | 0      |
| 04/08/92      | 3     | 3    | 45    | 3       | 48     | 253.00 | 369  | 93357   | 2075 | 12.00  | 76.00  | 88929   | 95.3  | 88929  | 0     | 0      |
| 04/15/92      | 4     | 3    | 41    | 0       | 40     | 397.00 | 334  | 132598  | 3234 | 25.80  | 371.20 | 123981  | 93.5  | 117234 | 2672  | 0      |
| 04/15/92      | 3     | 3    | 46    | 2       | 48     | 222.40 | 401  | 89182   | 1939 | 25.00  | 197.40 | 79157   | 88.8  | 77393  | 0     | 0      |
| 04/22/92      | 4     | 3    | 30    | 1       | 31     | 279.60 | 334  | 93386   | 3113 | 0.00   | 0.00   | 93386   | 100.0 | 0      | 0     | 0      |
| 04/22/92      | 3     | 3    | 35    | 4       | 36     | 177.00 | 381  | 67437   | 1927 | 0.00   | 0.00   | 67437   | 100.0 | 0      | 0     | 0      |
| 04/25/92      | 3     | 3    | 24    | 0       | 24     | 134.50 | 369  | 49630   | 2068 | 0.00   | 0.00   | 49630   | 100.0 | 0      | 0     | 0      |
| 04/29/92      | 4     | 3    | 23    | 1       | 24     | 208.90 | 334  | 69773   | 3034 | 0.00   | 0.00   | 69773   | 100.0 | 0      | 0     | 0      |
| 04/29/92      | 3     | 3    | 47    | 0       | 47     | 234.00 | 381  | 89154   | 1897 | 0.00   | 0.00   | 89154   | 100.0 | 0      | 0     | 0      |
| 05/06/92      | 4     | 3    | 18    | 2       | 20     | 167.00 | 318  | 53106   | 2950 | 13.20  | 153.80 | 48908   | 92.1  | 47827  | 1062  | 0      |
| 05/06/92      | 3     | 3    | 38    | 1       | 39     | 184.00 | 381  | 70104   | 1845 | 33.80  | 150.20 | 57226   | 81.6  | 57226  | 0     | 0      |
| 05/13/92      | 4     | 3    | 7     | 4       | 10     | 68.00  | 318  | 21624   | 3089 | 4.00   | 64.00  | 20352   | 94.1  | 19875  | 477   | 0      |
| 05/13/92      | 3     | 3    | 22    | 7       | 29     | 119.00 | 334  | 39746   | 1807 | 21.00  | 98.00  | 32732   | 82.4  | 32732  | 0     | 0      |
| 05/20/92      | 4     | 3    | 2     | 0       | 2      | 21.00  | 351  | 7371    | 3685 | 0.00   | 19.30  | 7371    | 100.0 | 6633   | 140   | 0      |
| 05/20/92      | 3     | 3    | 21    | 6       | 21     | 91.00  | 401  | 36491   | 1738 | 22.00  | 69.00  | 27669   | 75.8  | 27669  | 0     | 0      |
| 05/27/92      | 4     | 3    | 5     | 1       | 6      | 45.00  | 318  | 14310   | 2862 | 10.00  | 35.00  | 11130   | 77.8  | 11130  | 0     | 0      |
| 05/27/92      | 3     | 3    | 12    | 6       | 12     | 59.10  | 381  | 22517   | 1876 | 8.10   | 51.00  | 19431   | 86.3  | 19431  | 0     | 0      |
| 06/03/92      | 3     | 3    | 8     | 0       | 10     | 48.90  | 369  | 18044   | 2256 | 0.00   | 0.00   | 18044   | 100.0 | 18044  | 0     | 0      |
| 06/25/92      | 3     | 3    | 11    | 0       | 11     | 58.00  | 381  | 22098   | 2009 | 0.00   | 0.00   | 22098   | 100.0 | 21500  | 0     | 0      |
| 06/24/92      | ?     | ?    | 112   | 0       | 56     | 84.50  | 438  | 37011   | 330  | 20.00  | 64.50  | 28251   | 76.3  | 28251  | 0     | 0      |
| *** Total *** |       |      | 700   | 40      | 671    | 4169.0 |      | 1473610 |      | 298.16 | 2562.2 | 1366028 |       | 695784 | 11921 | 281454 |

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EGG PRODUCTION REPORT  
MILES CITY HATCHERY  
FY-92

| HAT           | SPEC |          | L |   |         | EGGS  | TOTAL  | EYED  | EGGS     | TOTAL  | KEYED    |         |
|---------------|------|----------|---|---|---------|-------|--------|-------|----------|--------|----------|---------|
| CODE          | IES  | DATE     | O | T | FEMALES | MALES | OZ     | OZ    | EGGS     | FEMALE | EGGS     |         |
| ----          | ---- | ----     | - | - | -----   | ----- | ----   | ----  | -----    | -----  | -----    |         |
| 14            | A001 | 11/14/91 | F |   | 0       | 0     | 304    | 22    | 6688     | 0      | 6688     | 100.00  |
| 14            | A001 | 11/14/91 | F |   | 0       | 0     | 277    | 124   | 34348    | 0      | 34348    | 100.00  |
| 14            | A082 | 03/26/92 | 1 |   | 0       | 0     | 3696   | 110   | 184800   | 0      | 406560   | 45.45   |
| 14            | A082 | 03/29/92 | 1 |   | 0       | 0     | 3791   | 140   | 204714   | 0      | 530740   | 38.57   |
| 14            | A082 | 03/31/92 | 1 |   | 0       | 0     | 4620   | 493   | 711480   | 0      | 2277660  | 31.24   |
| 14            | A082 | 04/03/92 | 1 |   | 0       | 0     | 4348   | 345   | 217400   | 0      | 1500060  | 14.49   |
| 14            | A082 | 04/06/92 | 1 |   | 0       | 0     | 4620   | 226   | 351120   | 0      | 1044120  | 33.63   |
| 14            | A082 | 04/08/92 | 1 |   | 0       | 0     | 4348   | 175   | 282620   | 0      | 760900   | 37.14   |
| 14            | A082 | 04/09/92 | 1 |   | 0       | 0     | 4620   | 164   | 272580   | 0      | 757680   | 35.98   |
| 14            | C082 | 04/14/92 | 1 |   | 0       | 0     | 4348   | 111   | 260619   | 0      | 482628   | 54.00   |
| 14            | F006 | 11/06/91 | 1 |   | 0       | 0     | 263    | 480   | 118087   | 0      | 126240   | 93.54   |
| 14            | F082 | 04/15/92 | 1 |   | 0       | 0     | 3698   | 208   | 315365   | 0      | 769184   | 41.00   |
| 14            | F082 | 04/17/92 | 1 |   | 0       | 0     | 3698   | 352   | 689000   | 0      | 1301696  | 52.93   |
| 14            | F082 | 04/20/92 | 1 |   | 0       | 0     | 3979   | 888   | 1802000  | 0      | 3533352  | 51.00   |
| 14            | F082 | 04/21/92 | 1 |   | 0       | 0     | 3570   | 985   | 1863718  | 0      | 3516450  | 53.00   |
| 14            | F082 | 04/22/92 | 1 |   | 0       | 0     | 3698   | 640   | 1372697  | 0      | 2366720  | 58.00   |
| 14            | F082 | 04/23/92 | 1 |   | 0       | 0     | 3838   | 763   | 1874172  | 0      | 2928394  | 64.00   |
| 14            | F082 | 04/24/92 | 1 |   | 0       | 0     | 3838   | 468   | 969939   | 0      | 1796184  | 54.00   |
| 14            | F082 | 04/25/92 | 1 |   | 0       | 0     | 3698   | 1114  | 2512938  | 0      | 4119572  | 61.00   |
| 14            | F082 | 04/26/92 | 1 |   | 0       | 0     | 3838   | 892   | 1677513  | 0      | 3423496  | 49.00   |
| 14            | F082 | 04/27/92 | 1 |   | 0       | 0     | 4134   | 888   | 1615236  | 0      | 3670992  | 44.00   |
| 14            | F082 | 04/28/92 | 1 |   | 0       | 0     | 3979   | 676   | 1398698  | 0      | 2689804  | 52.00   |
| 14            | F082 | 04/29/92 | 1 |   | 0       | 0     | 4289   | 182   | 373687   | 0      | 780598   | 47.87   |
| 14            | F082 | 04/30/92 | 1 |   | 0       | 0     | 4134   | 400   | 760656   | 0      | 1653600  | 46.00   |
| 14            | P023 | 03/17/92 | 1 |   | 0       | 0     | 2100   | 476   | 1000000  | 0      | 999600   | 100.04  |
| 14            | P082 | 04/05/92 | 1 |   | 0       | 0     | 3696   | 1395  | 5159000  | 0      | 5155920  | 100.06  |
| 14            | P148 | 04/30/92 | 1 |   | 0       | 0     | 2300   | 11    | 25155    | 0      | 25300    | 99.43   |
| 14            | W148 | 04/12/92 | 1 |   | 0       | 0     | 1600   | 67    | 107000   | 0      | 107200   | 99.81   |
| 14            | Y082 | 04/17/92 | 1 |   | 0       | 0     | 4107   | 317   | 820208   | 0      | 1301919  | 63.00   |
| 14            | Y082 | 04/24/92 | 1 |   | 0       | 0     | 3570   | 364   | 870651   | 0      | 1299480  | 67.00   |
| 14            | Y082 | 04/27/92 | 1 |   | 0       | 0     | 4134   | 210   | 564291   | 0      | 868140   | 65.00   |
| *** Total *** |      |          |   |   | 0       | 0     | 107133 | 13686 | 28416380 | 0      | 50235225 | 1852.19 |

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FEB 3 - 1993

FISHERIES DIV.  
DEPT. FISH WILDLIFE & PARKS

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## EGG PRODUCTION REPORT FLATHEAD LAKE SALMON HATCHERY FY-92

| TOTAL | %EYED | HAT           | SPEC  |          | L |         |       | EGGS  | TOTAL | EYED   | EGGS    |    |
|-------|-------|---------------|-------|----------|---|---------|-------|-------|-------|--------|---------|----|
| EGGS  | EGGS  | CODE          | IES   | DATE     | T | FEMALES | MALES | OZ    | OZ    | EGGS   | FEMALE  |    |
| ----- | ----- | -----         | ----- | -----    | - | -----   | ----- | ----- | ----- | -----  | -----   |    |
|       |       | 01            | M012  | 07/31/91 | C | 0       | 0     | 398   | 26    | 9950   | 0.00    |    |
| 10348 | 96.15 | 13            | a011  | 04/20/92 | a | 4       | 3     | 253   | 17    | 3542   | 1075.25 |    |
| 4301  | 82.35 | 13            | a011  | 04/21/92 | b | 6       | 5     | 253   | 39    | 8855   | 1644.50 |    |
| 9867  | 89.74 | 13            | m010  | 06/08/92 | a | 66      | 36    | 700   | 350   | 193200 | 3712.12 | 2  |
| 45000 | 78.86 | 13            | M010  | 07/03/91 | A | 113     | 156   | 700   | 218   | 114800 | 1350.44 | 1  |
| 52600 | 75.23 | 13            | S008  | 10/31/91 | A | 0       | 0     | 260   | 20    | 4940   | 0.00    |    |
| 5200  | 95.00 | 13            | S008  | 11/06/91 | B | 0       | 0     | 260   | 32    | 7800   | 0.00    |    |
| 8320  | 93.75 | 13            | S008  | 11/13/91 | C | 0       | 0     | 260   | 42    | 10140  | 0.00    |    |
| 10920 | 92.86 | 13            | S008  | 11/19/91 | D | 0       | 0     | 260   | 30    | 4160   | 0.00    |    |
| 7800  | 53.33 | 13            | S008  | 12/04/91 | E | 0       | 0     | 260   | 16    | 2860   | 0.00    |    |
| 4160  | 68.75 | 13            | Z008  | 11/13/91 | A | 0       | 0     | 264   | 238   | 45408  | 0.00    |    |
| 62832 | 72.27 | 13            | Z008  | 11/15/91 | B | 0       | 0     | 264   | 260   | 49368  | 0.00    |    |
| 68640 | 71.92 | 13            | Z008  | 11/22/91 | C | 0       | 0     | 264   | 732   | 155496 | 0.00    | 1  |
| 93248 | 80.46 | 13            | D008  | 12/03/91 | A | 0       | 0     | 290   | 122   | 26680  | 0.00    |    |
| 35380 | 75.41 | 13            | D008  | 12/11/91 | B | 0       | 0     | 290   | 26    | 4930   | 0.00    |    |
| 7540  | 65.38 | 13            | 008   | 01/10/92 | A | 0       | 0     | 438   | 154   | 32412  | 0.00    |    |
| 67452 | 48.05 | 13            | 008   | 01/16/92 | B | 0       | 0     | 438   | 88    | 10512  | 0.00    |    |
| 38544 | 27.27 | 13            | 008   | 01/21/92 | C | 0       | 0     | 438   | 22    | 2628   | 0.00    |    |
| 9636  | 27.27 | 97            | Y008  | 10/28/91 | A | 0       | 0     | 324   | 458   | 145476 | 0.00    | 1  |
| 48392 | 98.03 | *** Total *** |       |          |   |         |       |       |       |        |         |    |
|       |       |               |       |          |   | 189     | 200   |       | 2890  | 833157 |         | 10 |
| 90180 |       |               |       |          |   |         |       |       |       |        |         |    |

EGG PRODUCTION REPORT  
WASHOE PARK TROUT HATCHERY  
FY-92

| HAT             | SPEC | L   | DATE       | FEMALES | MALES | EGGS   | TOTAL   | EYED    | EGGS   | TOTAL   | %EYED |
|-----------------|------|-----|------------|---------|-------|--------|---------|---------|--------|---------|-------|
| CODE            | IES  | O   | T          |         |       | OZ     | OZ      | EGGS    | FEMALE | EGGS    | EGGS  |
| ----            | ---- | --- | ----       | -----   | ----- | ----   | ----    | -----   | -----  | -----   | ----- |
| ** SPECIES D001 |      |     |            |         |       |        |         |         |        |         |       |
| 01              | D001 |     | 03/19/92 A | 60      | 38    | 318.00 | 542.00  | 107484  | 2873   | 172356  | 62    |
| 01              | D001 |     | 03/26/92 B | 56      | 34    | 304.00 | 411.00  | 71136   | 2231   | 124944  | 57    |
| 01              | D001 |     | 04/02/92 C | 77      | 42    | 304.00 | 626.50  | 81168   | 2473   | 190456  | 43    |
| 01              | D001 |     | 04/09/92 D | 46      | 28    | 304.00 | 332.00  | 94848   | 2194   | 100928  | 94    |
| 01              | D001 |     | 04/17/92 E | 88      | 53    | 290.00 | 675.00  | 185020  | 2224   | 195750  | 95    |
| ** Subtotal **  |      |     |            | 327     | 195   | 303.3  | 2586.50 | 539656  | 2399   | 784434  | 68.8% |
| ** SPECIES M012 |      |     |            |         |       |        |         |         |        |         |       |
| 01              | M012 |     | 07/02/91 I | 157     | 80    | 454.00 | 152.00  | 20884   | 440    | 69008   | 30    |
| 01              | M012 |     | 07/02/91 I | 25      | 20    | 381.00 | 44.00   | 5220    | 671    | 16764   | 31    |
| 01              | M012 |     | 07/02/91 I | 20      | 20    | 423.00 | 52.00   | 3807    | 1100   | 21996   | 17    |
| 01              | M012 |     | 07/02/91 I | 12      | 12    | 381.00 | 18.00   | 1429    | 571    | 6858    | 21    |
| 01              | M012 |     | 07/08/91 J | 141     | 55    | 395.00 | 154.00  | 7110    | 431    | 60830   | 12    |
| 01              | M012 |     | 07/08/91 J | 14      | 20    | 361.00 | 22.00   | 4072    | 567    | 7942    | 51    |
| 01              | M012 |     | 07/08/91 J | 10      | 21    | 433.33 | 26.00   | 5772    | 1127   | 11267   | 51    |
| 01              | M012 |     | 07/08/91 J | 13      | 11    | 423.00 | 11.50   | 0       | 374    | 4864    | 0     |
| 01              | M012 |     | 05/14/92 A | 7       | 8     | 381.00 | 20.00   | 6286    | 1089   | 7620    | 83    |
| 01              | M012 |     | 05/20/92 B | 44      | 45    | 415.00 | 136.00  | 45733   | 1283   | 56440   | 81    |
| 01              | M012 |     | 05/20/92 B | 30      | 24    | 345.00 | 121.00  | 33824   | 1391   | 41745   | 81    |
| 01              | M012 |     | 05/27/92 C | 66      | 68    | 380.00 | 184.00  | 47378   | 1059   | 69920   | 68    |
| 01              | M012 |     | 05/27/92 C | 49      | 43    | 380.00 | 167.00  | 49400   | 1295   | 63460   | 78    |
| 01              | M012 |     | 05/27/92 C | 22      | 21    | 450.00 | 23.00   | 4950    | 470    | 10350   | 48    |
| 01              | M012 |     | 06/02/92 D | 183     | 182   | 380.00 | 512.00  | 111986  | 1063   | 194560  | 58    |
| 01              | M012 |     | 06/03/92 D | 65      | 60    | 446.00 | 112.50  | 19289   | 772    | 50175   | 38    |
| 01              | M012 |     | 06/03/92 D | 64      | 62    | 381.00 | 248.00  | 59150   | 1476   | 94488   | 63    |
| 01              | M012 |     | 06/10/92 E | 274     | 272   | 380.00 | 768.00  | 173850  | 1065   | 291840  | 60    |
| 01              | M012 |     | 06/11/92 E | 220     | 143   | 435.40 | 340.00  | 101884  | 673    | 148036  | 69    |
| 01              | M012 |     | 06/11/92 E | 220     | 160   | 397.80 | 788.00  | 204270  | 1425   | 313466  | 65    |
| 01              | M012 |     | 06/16/92 F | 455     | 140   | 428.00 | 689.00  | 160072  | 648    | 294892  | 54    |
| 01              | M012 |     | 06/17/92 F | 396     | 410   | 389.70 | 1056.00 | 287599  | 1039   | 411523  | 70    |
| 01              | M012 |     | 06/18/92 F | 166     | 143   | 401.00 | 483.00  | 126315  | 1167   | 193683  | 65    |
| 01              | M012 |     | 06/23/92 G | 225     | 200   | 381.00 | 631.50  | 162154  | 1069   | 240601  | 67    |
| 01              | M012 |     | 06/24/92 G | 471     | 240   | 423.00 | 711.00  | 176391  | 639    | 300753  | 59    |
| 01              | M012 |     | 06/24/92 G | 79      | 70    | 362.00 | 228.00  | 52128   | 1045   | 82536   | 63    |
| 01              | M012 |     | 06/30/92 H | 179     | 160   | 411.00 | 492.00  | 152892  | 1130   | 202212  | 76    |
| 01              | M012 |     | 06/30/92 H | 38      | 35    | 381.00 | 110.00  | 30099   | 1103   | 41910   | 72    |
| 01              | M012 |     | 06/30/92 H | 476     | 250   | 423.00 | 711.00  | 177660  | 632    | 300753  | 59    |
| ** Subtotal **  |      |     |            | 4121    | 2975  | 400.7  | 9010.50 | 2231604 | 876    | 3610493 | 61.8% |
| ** SPECIES Q001 |      |     |            |         |       |        |         |         |        |         |       |
| 01              | Q001 |     | 03/27/92 A | 8       | 10    | 281.30 | 27.50   | 5485    | 967    | 7736    | 71    |
| 01              | Q001 |     | 04/02/92 B | 15      | 20    | 277.00 | 43.50   | 10803   | 803    | 12049   | 90    |

EGG PRODUCTION REPORT  
WASHOE PARK TROUT HATCHERY  
FY-92

| HAT SPEC       | DATE | L | FEMALES | MALES | EGGS<br>OZ | TOTAL<br>OZ | EYED<br>EGGS | EGGS<br>FEMALE | TOTAL<br>EGGS | %EYED<br>EGGS |
|----------------|------|---|---------|-------|------------|-------------|--------------|----------------|---------------|---------------|
| ** Subtotal ** |      |   |         |       |            |             |              |                |               |               |
|                |      |   | 23      | 30    | 278.6      | 71.00       | 16288        | 860            | 19785         | 82.3%         |
| *** Total ***  |      |   |         |       |            |             |              |                |               |               |
|                |      |   | 4471    | 3200  | 378.4      | 11668.0     | 2787548      | 987            | 4414712       | 63.1%         |